

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD013124\  
 Data File : VD078289.D  
 Acq On : 31 Jan 2024 13:08  
 Operator : RP/MD  
 Sample : VD0131SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBS01

Quant Time: Feb 01 02:58:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 00:23:33 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 112754   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 201381   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 184577   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 86874    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 65516    | 46.937   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 93.880% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 63930    | 44.591   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 89.180% |
| 50) Toluene-d8              | 10.269 | 98    | 247602   | 45.616   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.240% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 75073    | 46.184   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 92.360% |

|                              |       |     |        |         |        |      |
|------------------------------|-------|-----|--------|---------|--------|------|
| Target Compounds             |       |     |        |         | Qvalue |      |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 30732  | 23.831  | ug/l   | 95   |
| 3) Chloromethane             | 2.152 | 50  | 51541  | 21.974  | ug/l   | 99   |
| 4) Vinyl Chloride            | 2.287 | 62  | 67223  | 21.727  | ug/l   | 97   |
| 5) Bromomethane              | 2.681 | 94  | 40198  | 21.461  | ug/l   | 97   |
| 6) Chloroethane              | 2.828 | 64  | 44336  | 20.746  | ug/l   | 99   |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 55666  | 21.251  | ug/l   | 88   |
| 8) Diethyl Ether             | 3.599 | 74  | 16269  | 20.995  | ug/l   | 83   |
| 9) 1,1,2-Trichlorotrifluo... | 3.963 | 101 | 34059  | 21.186  | ug/l   | 93   |
| 10) Methyl Iodide            | 4.158 | 142 | 29346  | 20.068  | ug/l   | # 88 |
| 11) Tert butyl alcohol       | 5.057 | 59  | 9999   | 112.306 | ug/l   | # 87 |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 31001  | 19.986  | ug/l   | 91   |
| 13) Acrolein                 | 3.799 | 56  | 12948  | 119.670 | ug/l   | 94   |
| 14) Allyl chloride           | 4.563 | 41  | 42772  | 20.914  | ug/l   | 88   |
| 15) Acrylonitrile            | 5.263 | 53  | 37404  | 109.205 | ug/l   | 98   |
| 16) Acetone                  | 4.028 | 43  | 41006  | 117.524 | ug/l   | 88   |
| 17) Carbon Disulfide         | 4.275 | 76  | 108643 | 20.747  | ug/l   | 99   |
| 18) Methyl Acetate           | 4.575 | 43  | 14502  | 19.493  | ug/l   | 92   |
| 19) Methyl tert-butyl Ether  | 5.328 | 73  | 68269  | 21.162  | ug/l   | 96   |
| 20) Methylene Chloride       | 4.805 | 84  | 41054  | 22.730  | ug/l   | # 85 |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 36174  | 20.625  | ug/l   | 91   |
| 22) Diisopropyl ether        | 6.228 | 45  | 95013  | 21.834  | ug/l   | # 94 |
| 23) Vinyl Acetate            | 6.157 | 43  | 292922 | 110.329 | ug/l   | # 90 |
| 24) 1,1-Dichloroethane       | 6.110 | 63  | 63887  | 21.207  | ug/l   | 95   |
| 25) 2-Butanone               | 7.087 | 43  | 52790  | 113.499 | ug/l   | 87   |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 52273  | 21.242  | ug/l   | 94   |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 39545  | 20.344  | ug/l   | 89   |
| 28) Bromochloromethane       | 7.422 | 49  | 21656  | 20.154  | ug/l   | # 74 |
| 29) Tetrahydrofuran          | 7.451 | 42  | 26634  | 107.041 | ug/l   | 88   |
| 30) Chloroform               | 7.598 | 83  | 63745  | 20.695  | ug/l   | 92   |
| 31) Cyclohexane              | 7.881 | 56  | 52676  | 20.150  | ug/l   | 90   |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 56199  | 21.170  | ug/l   | 99   |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 51190  | 21.532  | ug/l   | 93   |
| 37) Ethyl Acetate            | 7.169 | 43  | 20987  | 22.936  | ug/l   | 97   |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 49449  | 21.154  | ug/l   | 94   |
| 39) Methylcyclohexane        | 9.275 | 83  | 58131  | 20.681  | ug/l   | 93   |
| 40) Benzene                  | 8.251 | 78  | 146402 | 21.105  | ug/l   | 95   |

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 Sample : VD0131SBS01  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBS01

Quant Time: Feb 01 02:58:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 00:23:33 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.410  | 41   | 9685     | 19.688  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 37693    | 20.950  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 37130    | 22.632  | ug/l # | 89       |
| 44) Trichloroethene           | 9.028  | 130  | 34742    | 20.396  | ug/l   | 83       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 36059    | 21.261  | ug/l   | 92       |
| 46) Dibromomethane            | 9.398  | 93   | 20313    | 21.586  | ug/l # | 87       |
| 47) Bromodichloromethane      | 9.587  | 83   | 48655    | 21.015  | ug/l # | 90       |
| 48) Methyl methacrylate       | 9.381  | 41   | 17037    | 21.732  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 4450     | 421.557 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 100410   | 113.136 | ug/l   | 89       |
| 52) Toluene                   | 10.334 | 92   | 89824    | 21.348  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 44918    | 20.771  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 52839    | 20.639  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 27314    | 22.243  | ug/l   | 87       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 30667    | 22.017  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 46637    | 22.026  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 63366    | 100.038 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 77448    | 115.868 | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.075 | 129  | 31116    | 21.828  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 25546    | 22.034  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 27555    | 21.404  | ug/l # | 81       |
| 65) Chlorobenzene             | 11.604 | 112  | 92143    | 20.866  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 32904    | 20.928  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 162580   | 20.325  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.792 | 106  | 126788   | 41.200  | ug/l   | 89       |
| 69) o-Xylene                  | 12.122 | 106  | 58890    | 20.823  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 101109   | 20.935  | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 17966    | 23.202  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.422 | 105  | 153227   | 20.846  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 34769    | 22.871  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 31491    | 22.185  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 39235    | 43.210  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 33351    | 20.619  | ug/l   | 83       |
| 78) n-propylbenzene           | 12.763 | 91   | 194846   | 21.280  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 104835   | 21.389  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 127821   | 21.376  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 10178    | 22.293  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 113643   | 21.748  | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 107538   | 21.077  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 125566   | 20.755  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 167939   | 20.972  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 136017   | 20.738  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 68436    | 20.366  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 71937    | 21.637  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 134869   | 21.102  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.051 | 117  | 28240    | 21.557  | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 60915    | 21.189  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 4636     | 23.299  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 34511    | 20.754  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 16298    | 20.002  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 70646    | 21.308  | ug/l # | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 31184    | 21.299  | ug/l   | 99       |

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Sample : VD0131SBSD01  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

Quant Time: Feb 01 02:58:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 31 00:23:33 2024  
Response via : Initial Calibration

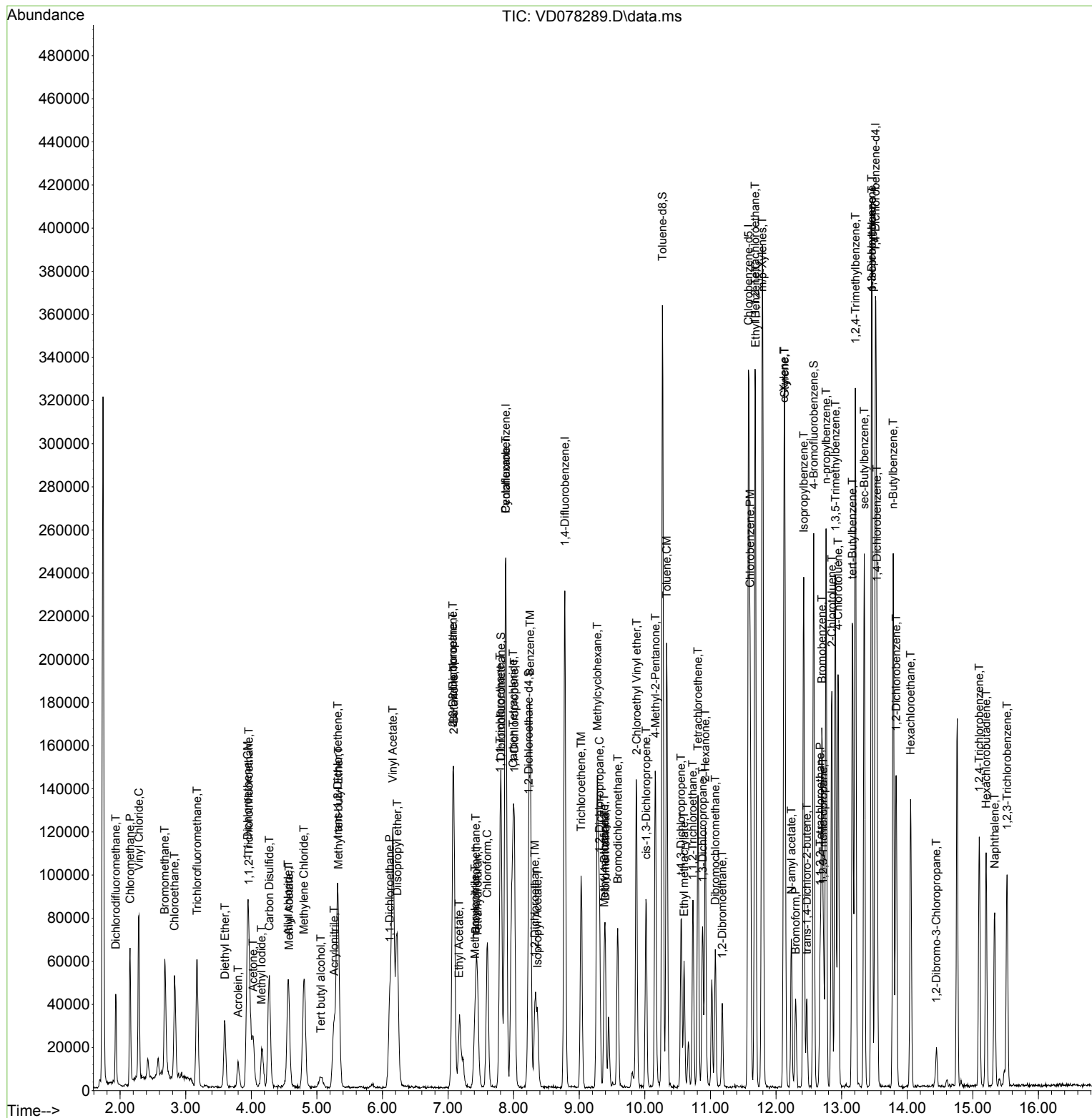
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

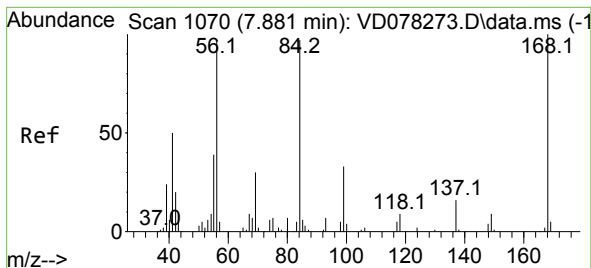
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD013124\  
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Quant Time: Feb 01 02:58:40 2024  
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 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 00:23:33 2024  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

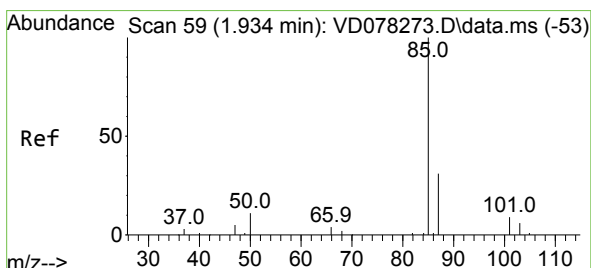
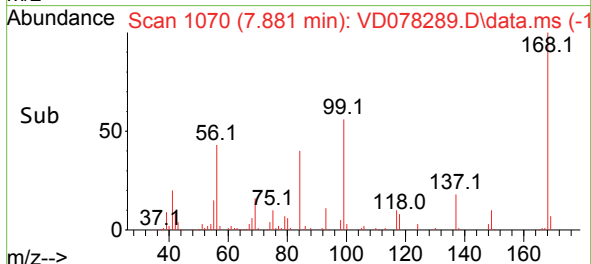
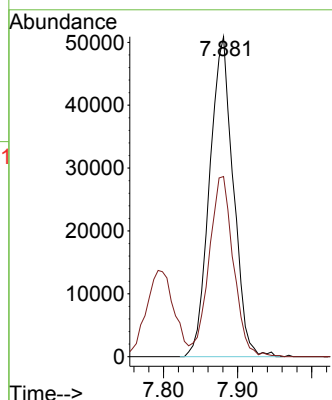
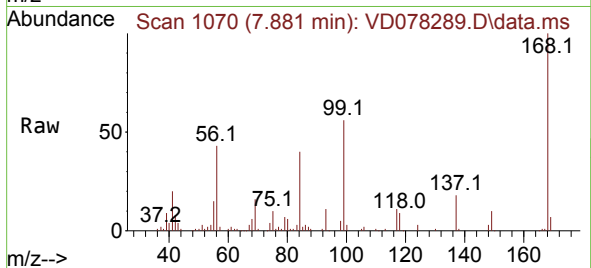
VD0131SBSD01

Tgt Ion:168 Resp: 112754

Ion Ratio Lower Upper

168 100

99 56.0 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 23.831 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078289.D

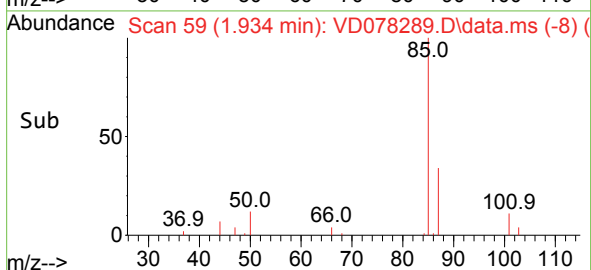
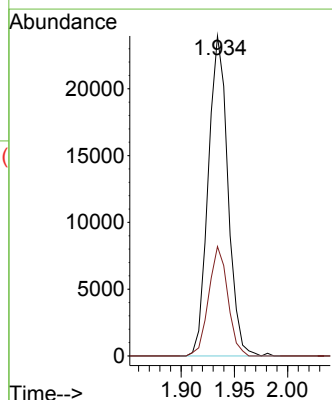
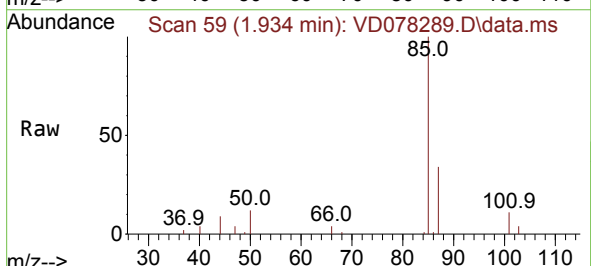
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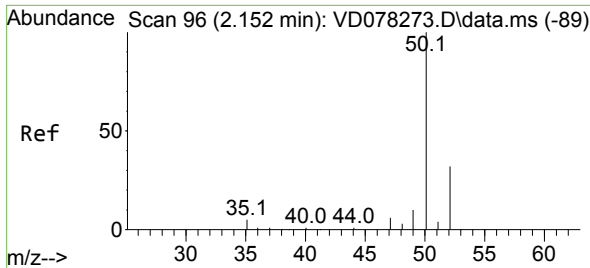
Tgt Ion: 85 Resp: 30732

Ion Ratio Lower Upper

85 100

87 34.2 15.7 47.0

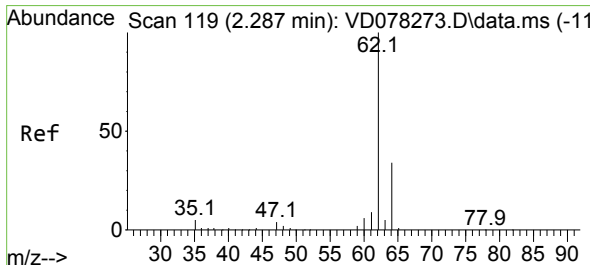
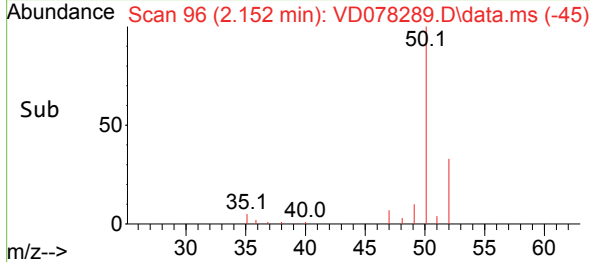
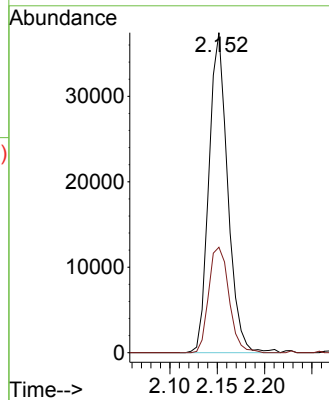
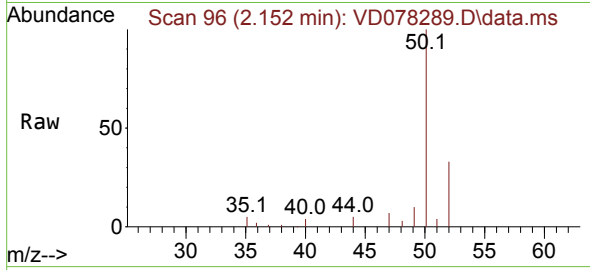




#3  
Chloromethane  
Concen: 21.974 ug/l  
RT: 2.152 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

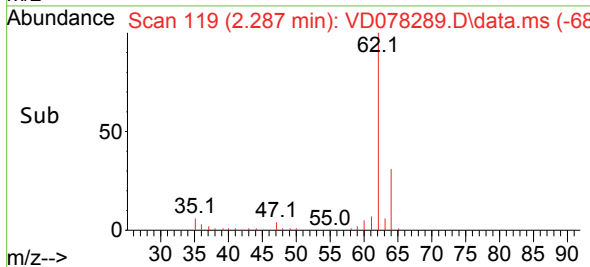
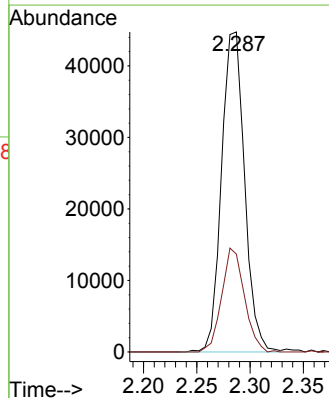
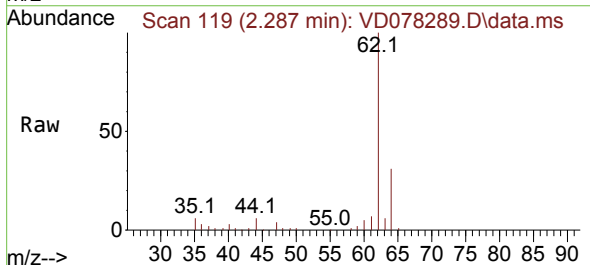
Instrument :  
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ClientSampleId :  
VD0131SBSD01

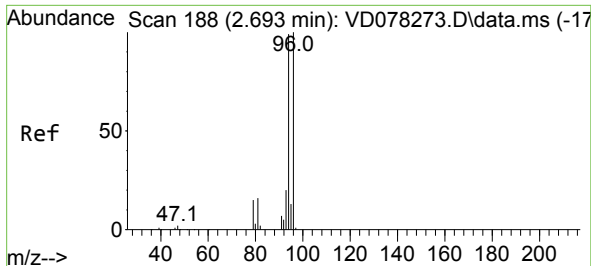
Tgt Ion: 50 Resp: 51541  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.6 40.0



#4  
Vinyl Chloride  
Concen: 21.727 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 62 Resp: 67223  
Ion Ratio Lower Upper  
62 100  
64 30.6 26.0 39.0

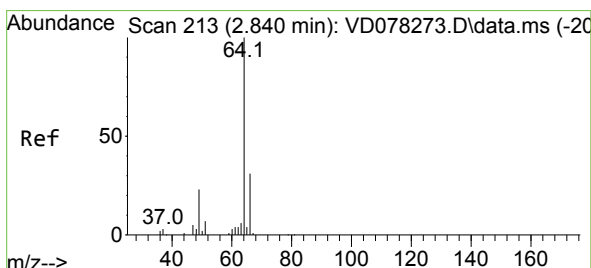
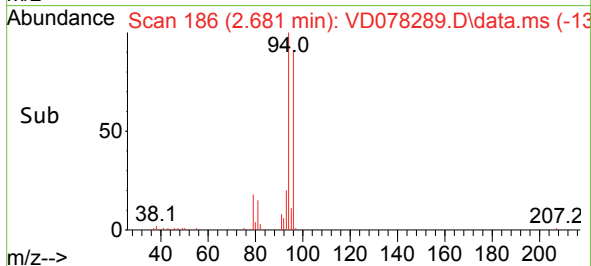
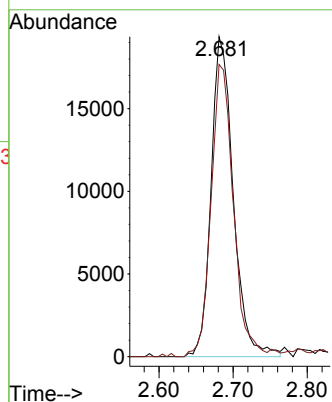
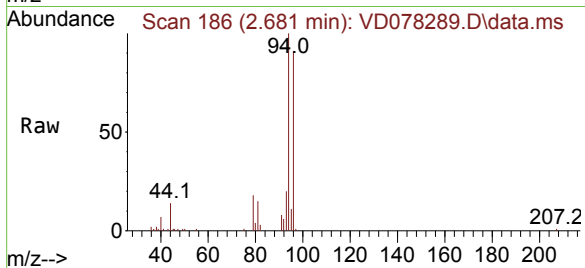




#5  
Bromomethane  
Concen: 21.461 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

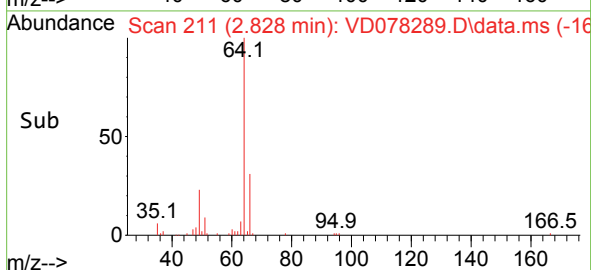
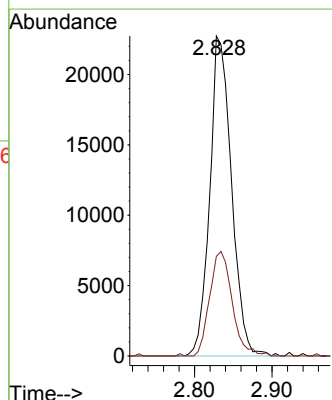
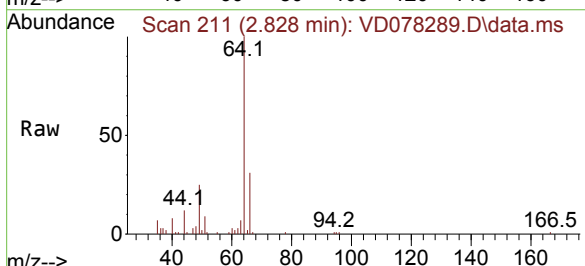
Instrument :  
MSVOA\_D  
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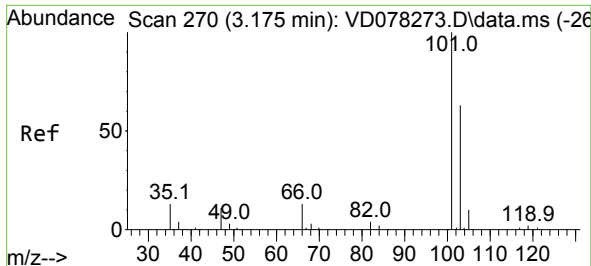
Tgt Ion: 94 Resp: 40198  
Ion Ratio Lower Upper  
94 100  
96 91.6 75.8 113.8



#6  
Chloroethane  
Concen: 20.746 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 64 Resp: 44336  
Ion Ratio Lower Upper  
64 100  
66 31.2 25.5 38.3

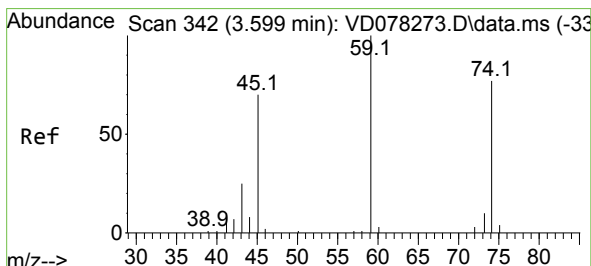
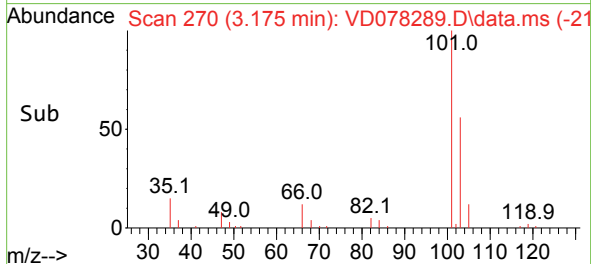
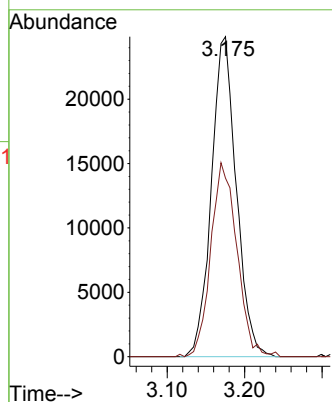
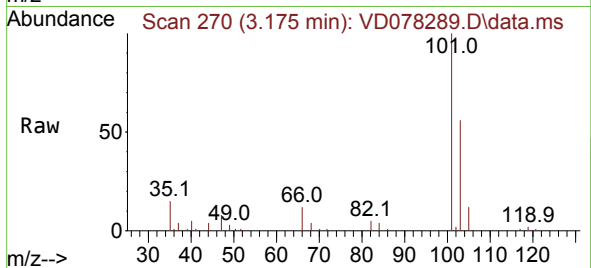




#7  
Trichlorofluoromethane  
Concen: 21.251 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

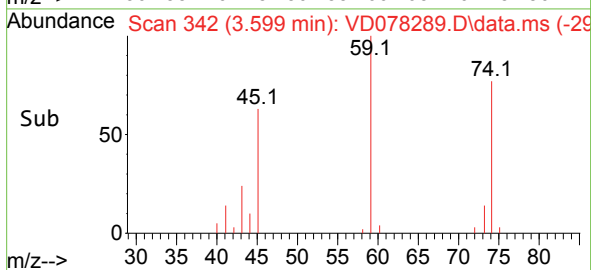
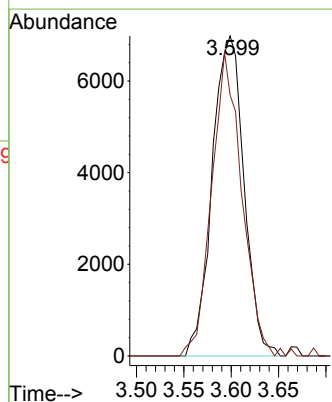
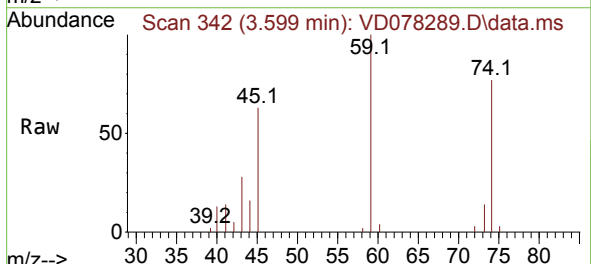
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

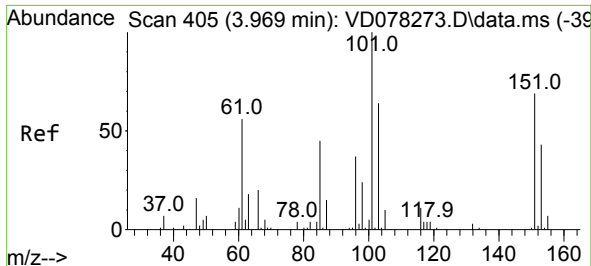
Tgt Ion:101 Resp: 55666  
Ion Ratio Lower Upper  
101 100  
103 55.8 52.3 78.5



#8  
Diethyl Ether  
Concen: 20.995 ug/l  
RT: 3.599 min Scan# 342  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 74 Resp: 16269  
Ion Ratio Lower Upper  
74 100  
45 89.9 37.5 112.7

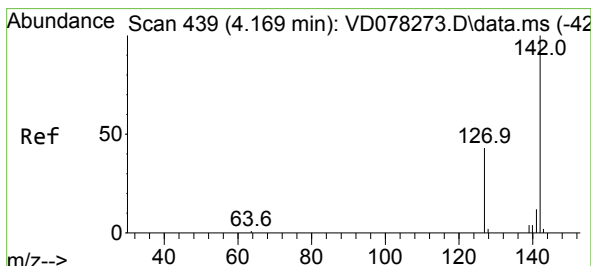
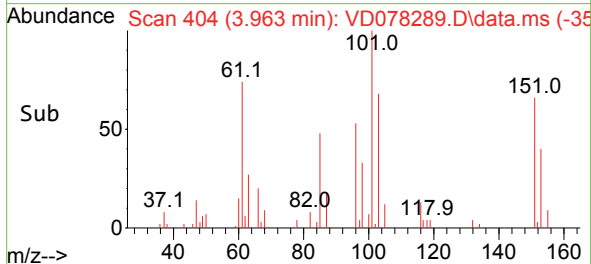
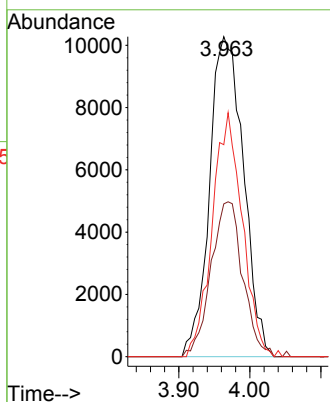
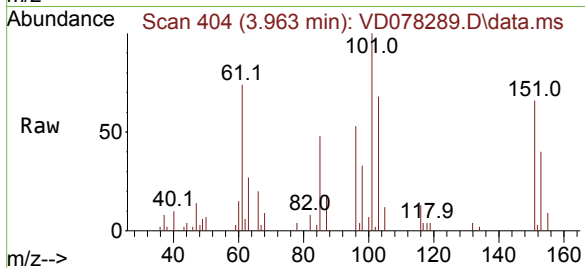




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.186 ug/l  
RT: 3.963 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

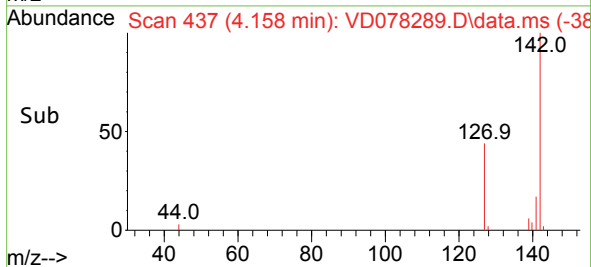
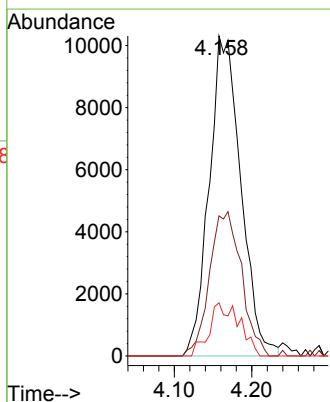
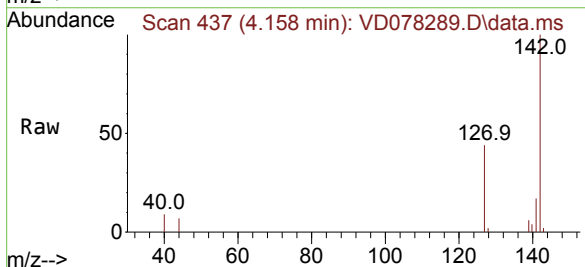
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

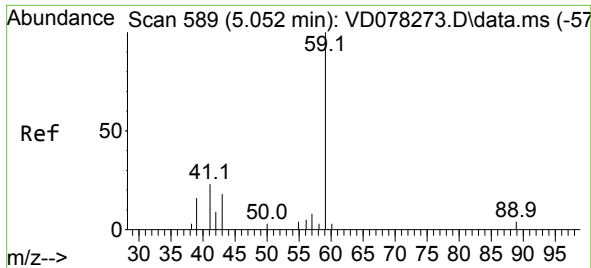
Tgt Ion:101 Resp: 34059  
Ion Ratio Lower Upper  
101 100  
85 45.5 33.8 50.6  
151 67.7 59.8 89.6



#10  
Methyl Iodide  
Concen: 20.068 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.012 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:142 Resp: 29346  
Ion Ratio Lower Upper  
142 100  
127 45.4 29.4 44.0#  
141 15.8 11.1 16.7

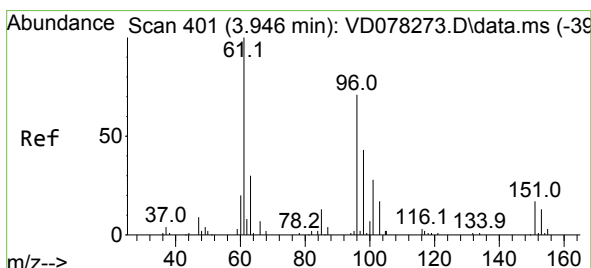
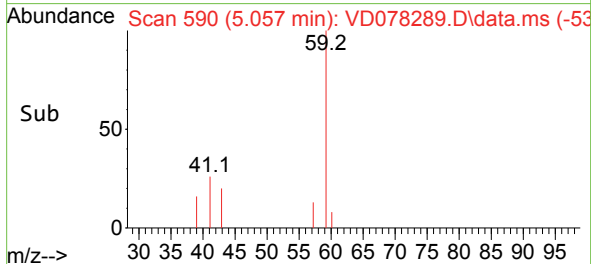
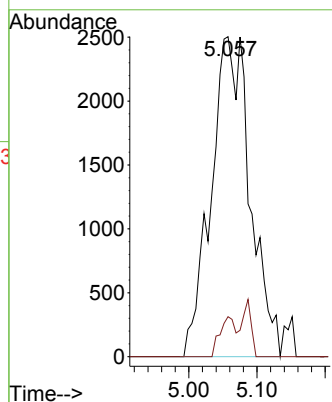
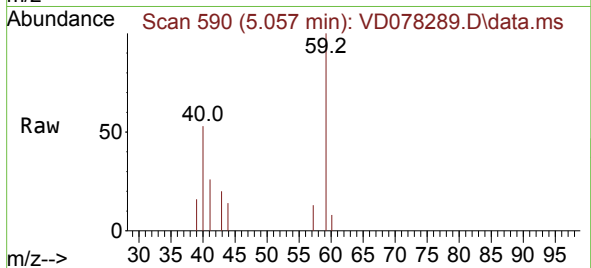




#11  
Tert butyl alcohol  
Concen: 112.306 ug/l  
RT: 5.057 min Scan# 591  
Delta R.T. 0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

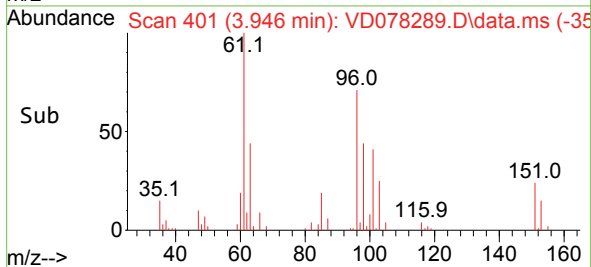
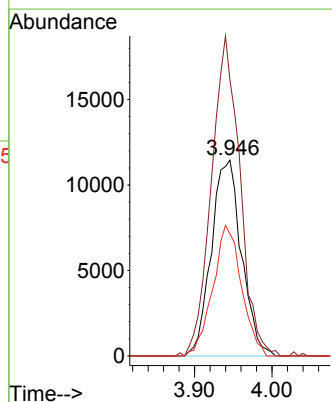
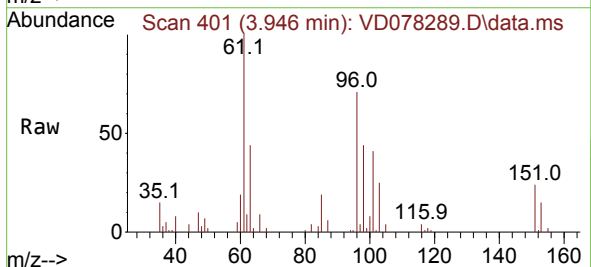
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

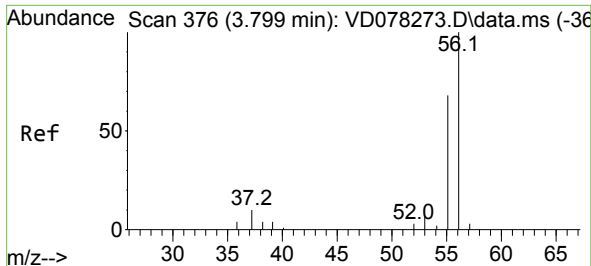
Tgt Ion: 59 Resp: 9999  
Ion Ratio Lower Upper  
59 100  
57 4.9 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 19.986 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 96 Resp: 31001  
Ion Ratio Lower Upper  
96 100  
61 140.7 100.6 150.8  
98 62.4 50.2 75.2





#13

Acrolein

Concen: 119.670 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

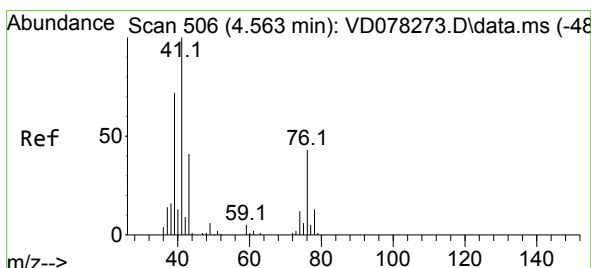
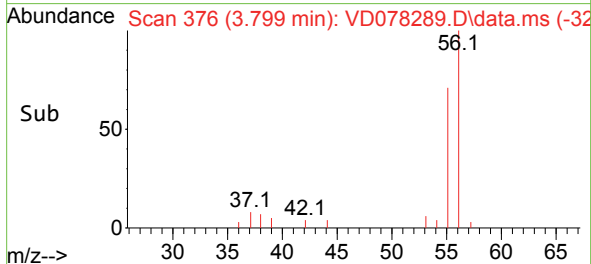
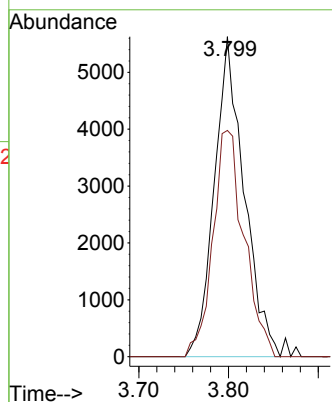
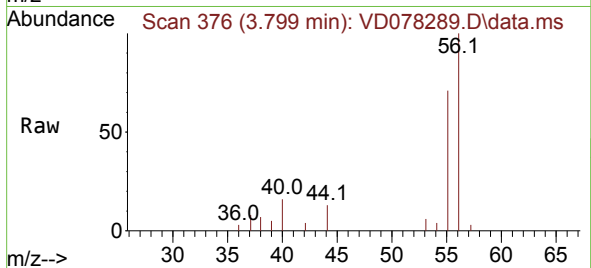
VD0131SBSD01

Tgt Ion: 56 Resp: 12948

Ion Ratio Lower Upper

56 100

55 74.0 55.1 82.7



#14

Allyl chloride

Concen: 20.914 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

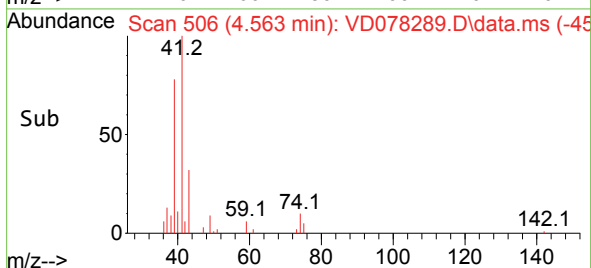
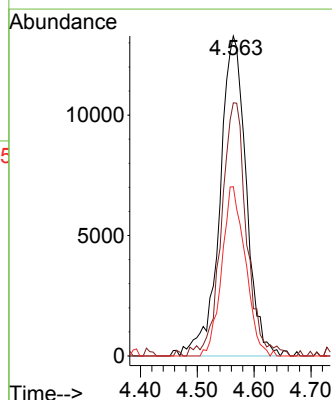
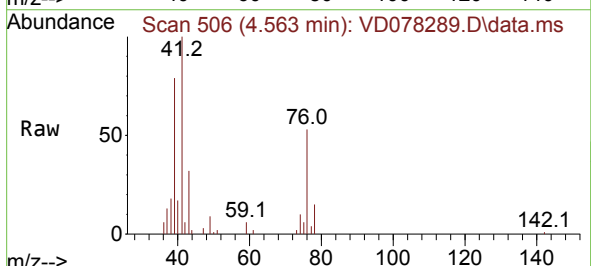
Tgt Ion: 41 Resp: 42772

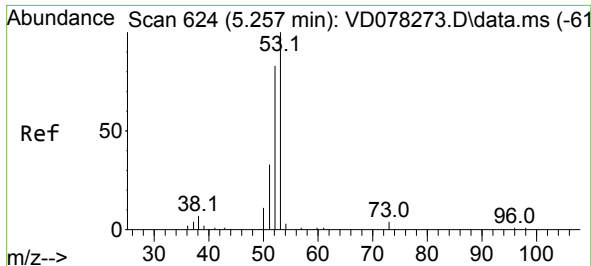
Ion Ratio Lower Upper

41 100

39 75.8 53.8 80.6

76 47.5 45.8 68.8

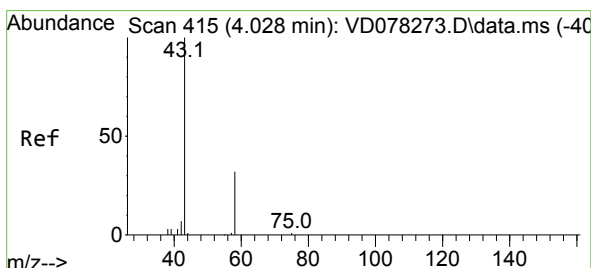
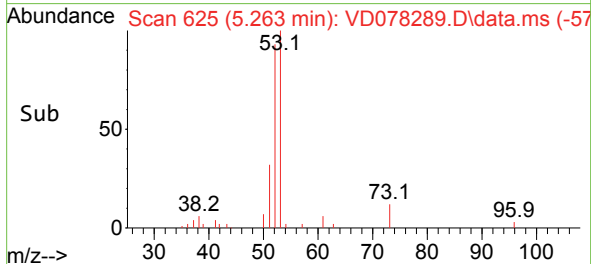
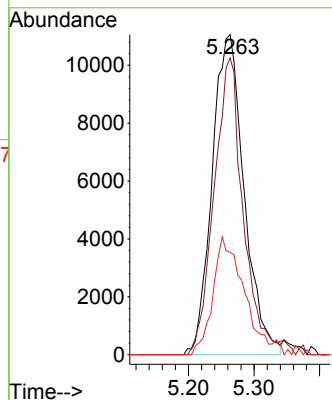
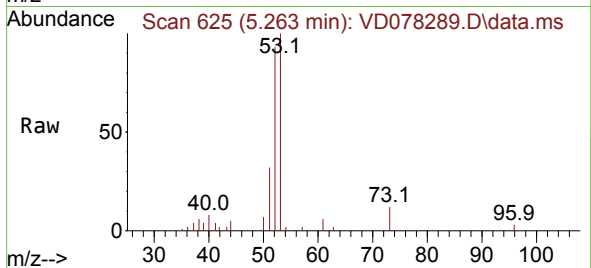




#15  
Acrylonitrile  
Concen: 109.205 ug/l  
RT: 5.263 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

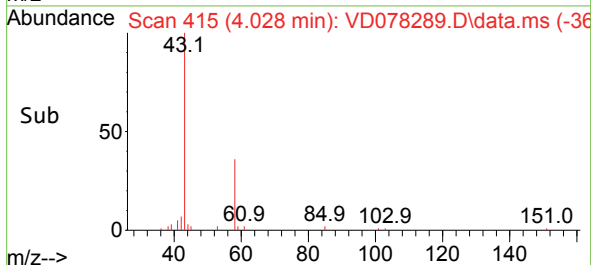
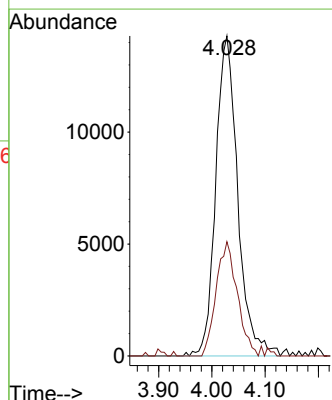
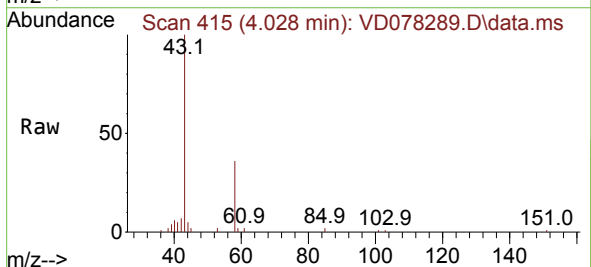
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

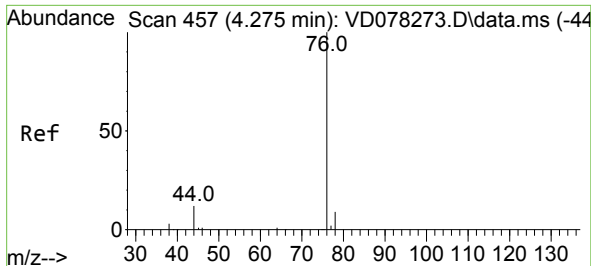
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 53 | Resp: | 37404       |
| Ion         | Ratio | Lower Upper |
| 53          | 100   |             |
| 52          | 83.6  | 65.0 97.4   |
| 51          | 36.4  | 28.3 42.5   |



#16  
Acetone  
Concen: 117.524 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 41006       |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 35.7  | 34.7 52.1   |

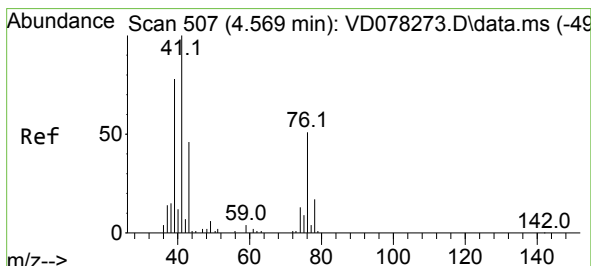
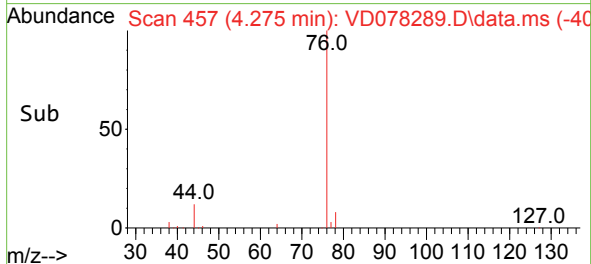
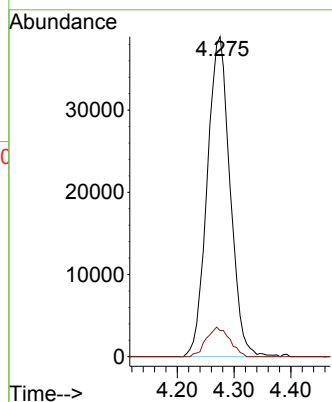
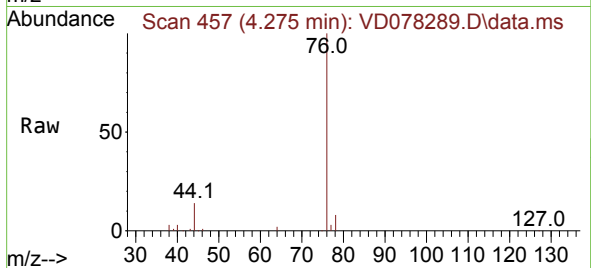




#17  
Carbon Disulfide  
Concen: 20.747 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

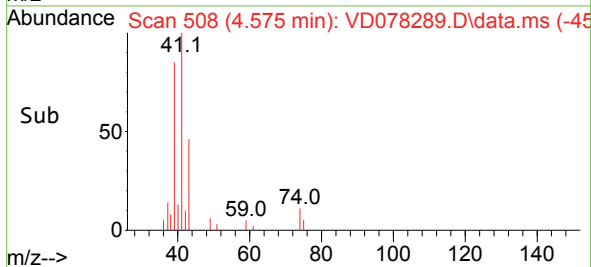
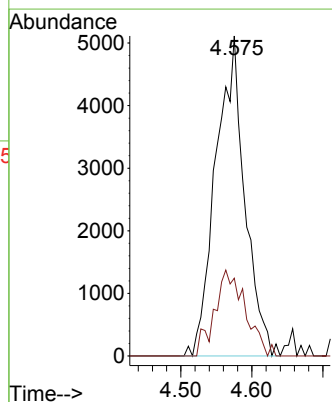
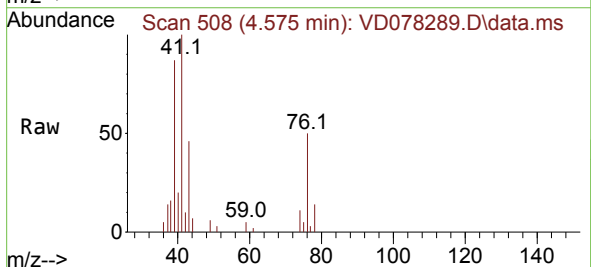
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

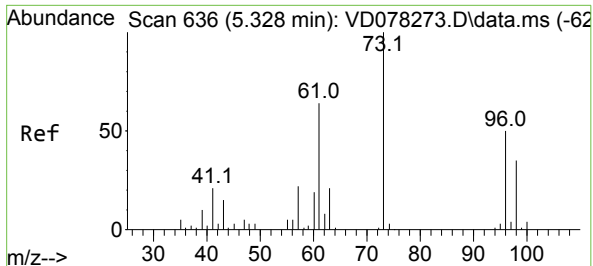
Tgt Ion: 76 Resp: 108643  
Ion Ratio Lower Upper  
76 100  
78 8.1 6.8 10.2



#18  
Methyl Acetate  
Concen: 19.493 ug/l  
RT: 4.575 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 43 Resp: 14502  
Ion Ratio Lower Upper  
43 100  
74 28.4 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 21.162 ug/l

RT: 5.328 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

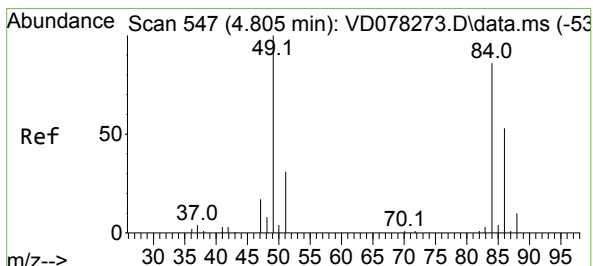
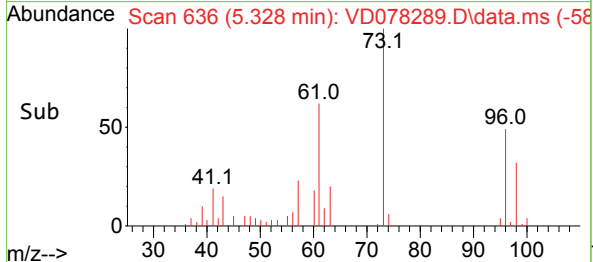
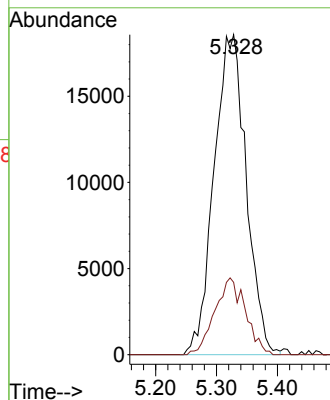
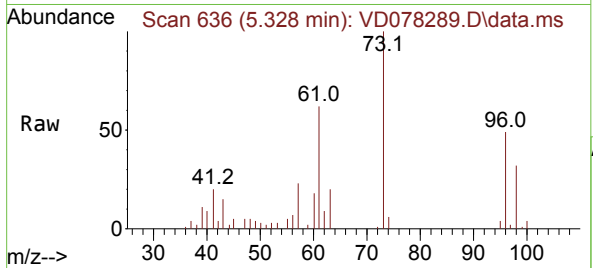
VD0131SBSD01

Tgt Ion: 73 Resp: 68269

Ion Ratio Lower Upper

73 100

57 22.6 16.6 25.0



#20

Methylene Chloride

Concen: 22.730 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Tgt Ion: 84 Resp: 41054

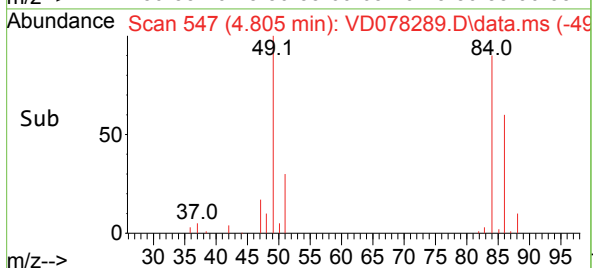
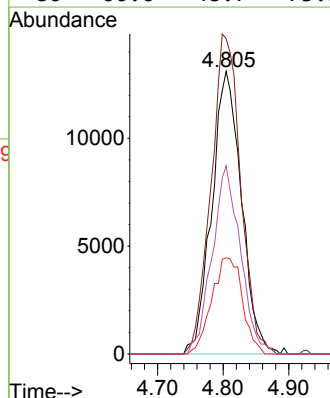
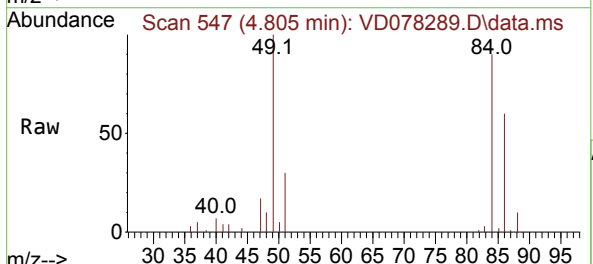
Ion Ratio Lower Upper

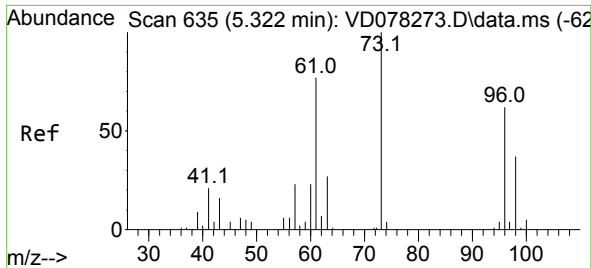
84 100

49 111.6 71.4 107.2#

51 34.0 24.5 36.7

86 66.6 48.7 73.1

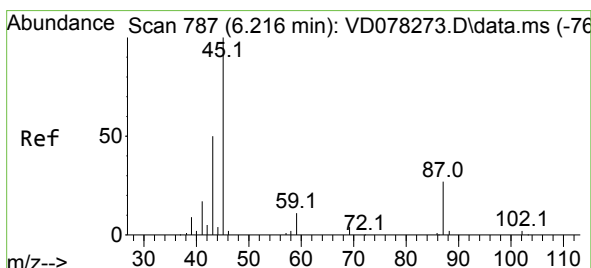
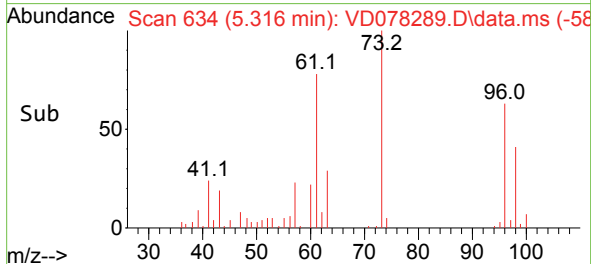
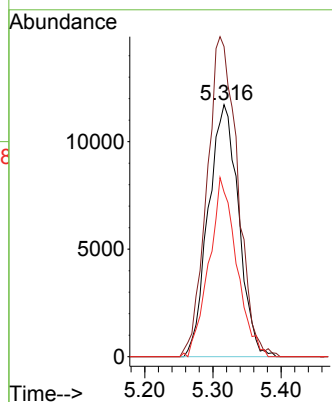
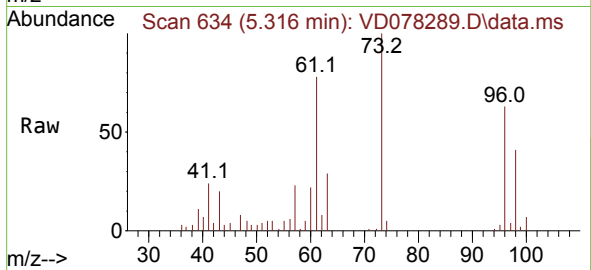




#21  
trans-1,2-Dichloroethene  
Concen: 20.625 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

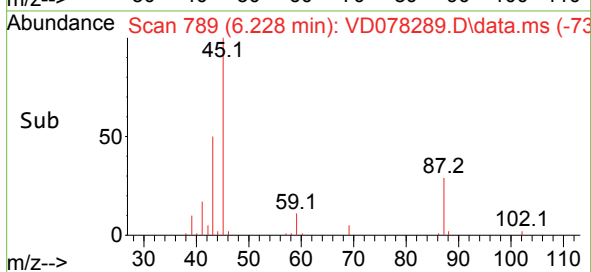
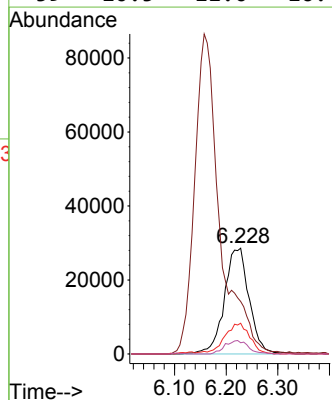
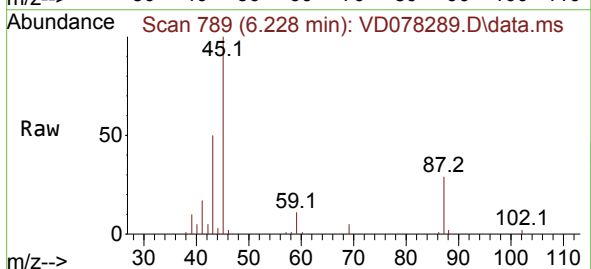
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

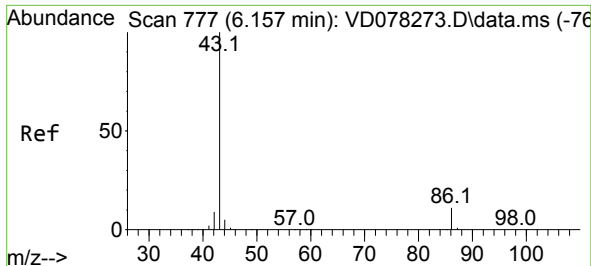
Tgt Ion: 96 Resp: 36174  
Ion Ratio Lower Upper  
96 100  
61 123.1 89.3 133.9  
98 65.3 48.6 73.0



#22  
Diisopropyl ether  
Concen: 21.834 ug/l  
RT: 6.228 min Scan# 789  
Delta R.T. 0.012 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 45 Resp: 95013  
Ion Ratio Lower Upper  
45 100  
43 47.8 40.0 60.0  
87 29.1 28.2 42.4  
59 10.5 11.0 16.4#

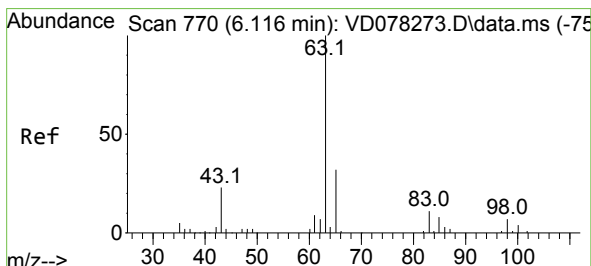
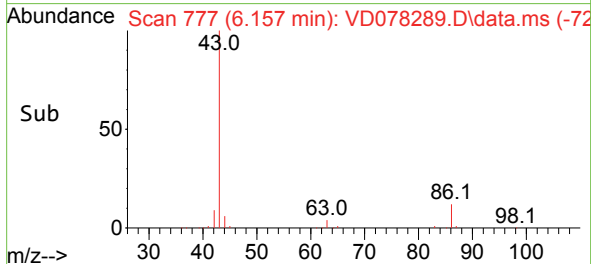
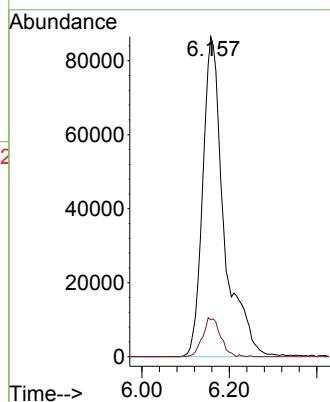
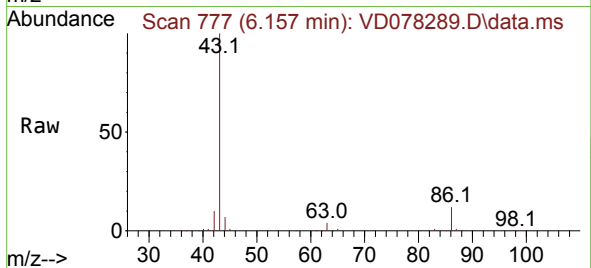




#23  
 Vinyl Acetate  
 Concen: 110.329 ug/l  
 RT: 6.157 min Scan# 777  
 Delta R.T. -0.000 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

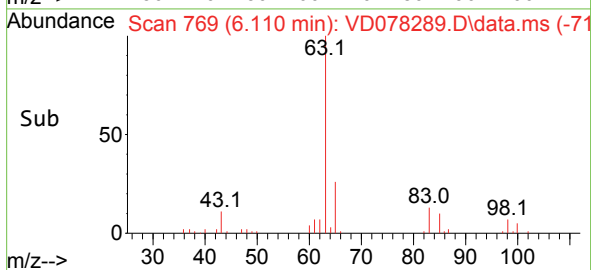
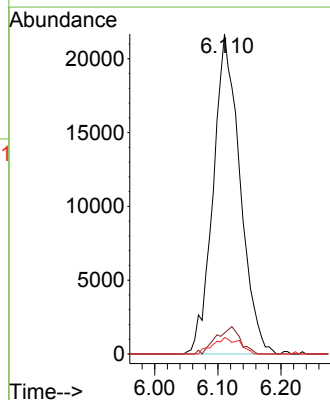
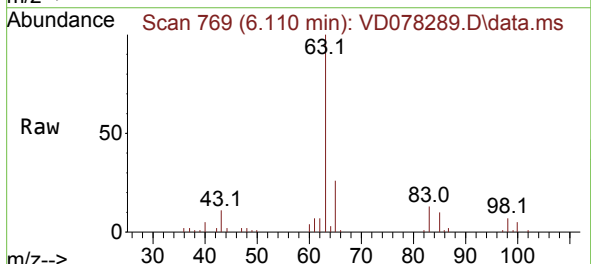
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBSD01

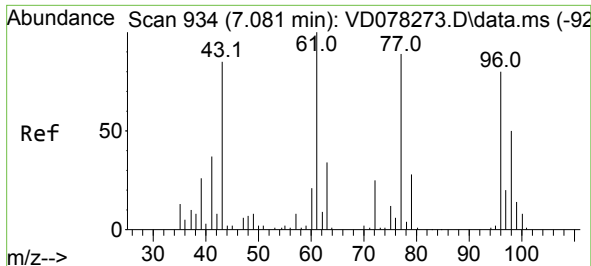
Tgt Ion: 43 Resp: 292922  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 21.207 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. -0.006 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

Tgt Ion: 63 Resp: 63887  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 4.5 13.7  
 100 5.2 2.5 7.5





#25

2-Butanone

Concen: 113.499 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

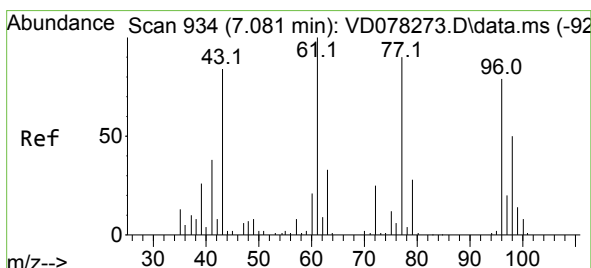
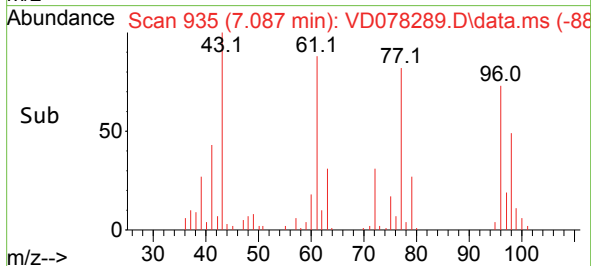
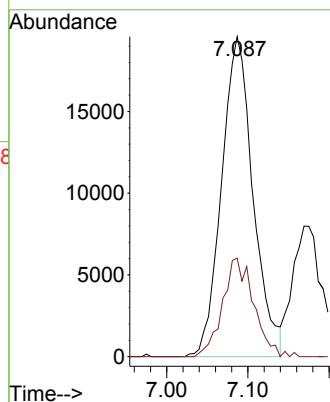
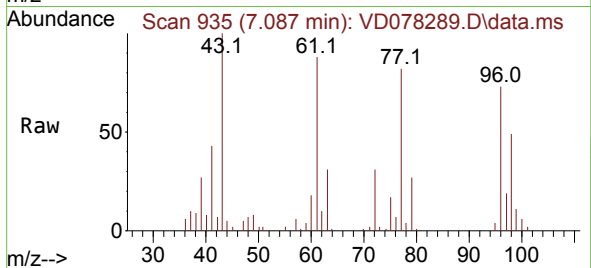
VD0131SBSD01

Tgt Ion: 43 Resp: 52790

Ion Ratio Lower Upper

43 100

72 30.8 30.7 46.1



#26

2,2-Dichloropropane

Concen: 21.242 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD078289.D

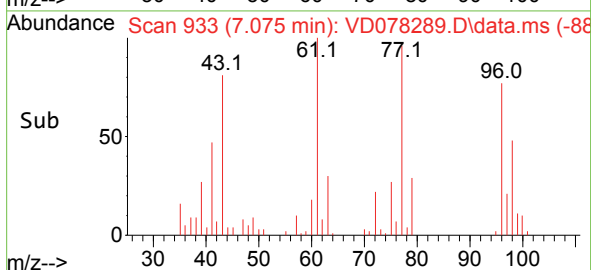
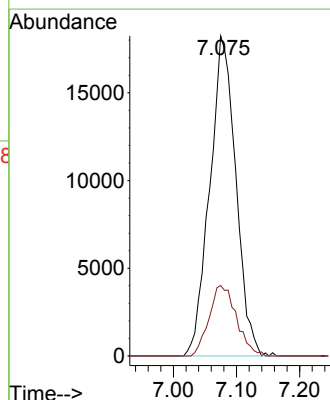
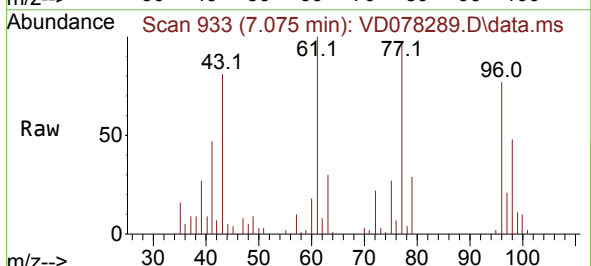
Acq: 31 Jan 2024 13:08

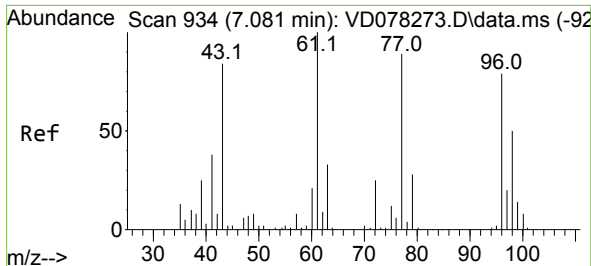
Tgt Ion: 77 Resp: 52273

Ion Ratio Lower Upper

77 100

97 23.1 13.2 39.6

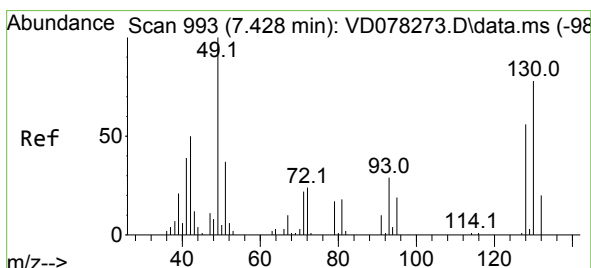
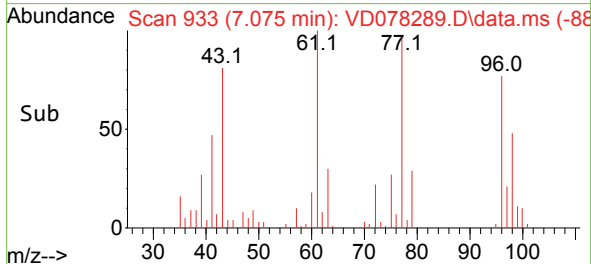
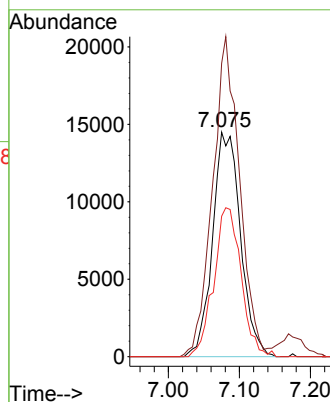
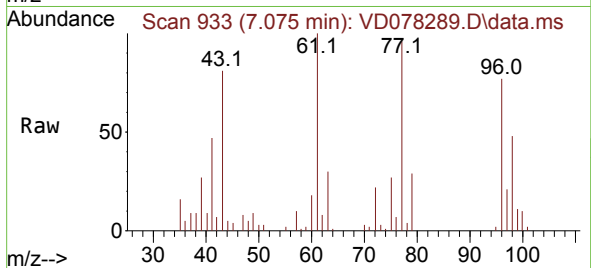




#27  
cis-1,2-Dichloroethene  
Concen: 20.344 ug/l  
RT: 7.075 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

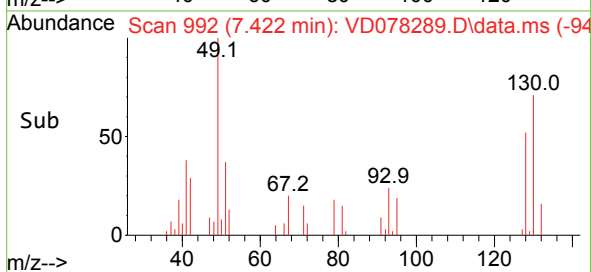
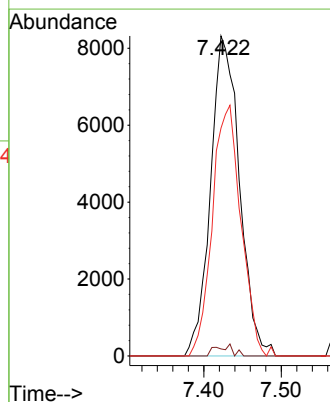
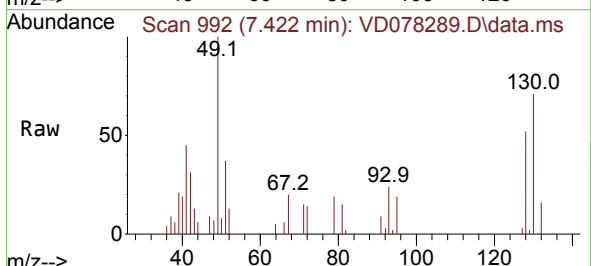
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

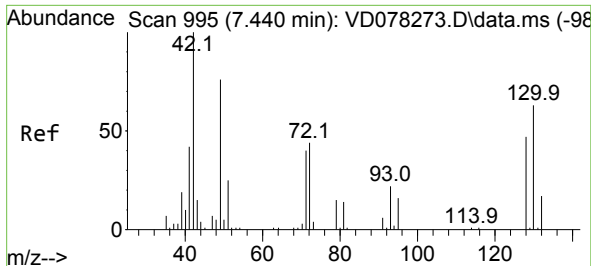
Tgt Ion: 96 Resp: 39545  
Ion Ratio Lower Upper  
96 100  
61 138.0 0.0 239.2  
98 65.0 0.0 128.6



#28  
Bromochloromethane  
Concen: 20.154 ug/l  
RT: 7.422 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 49 Resp: 21656  
Ion Ratio Lower Upper  
49 100  
129 2.0 0.0 6.0  
130 77.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 107.041 ug/l

RT: 7.451 min Scan# 995

Delta R.T. 0.012 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

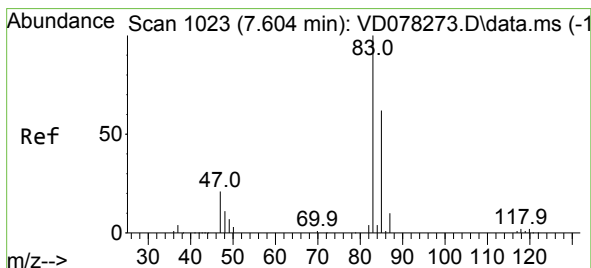
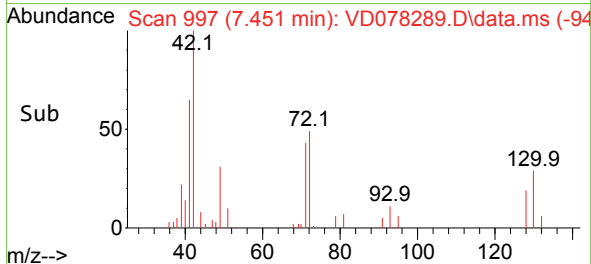
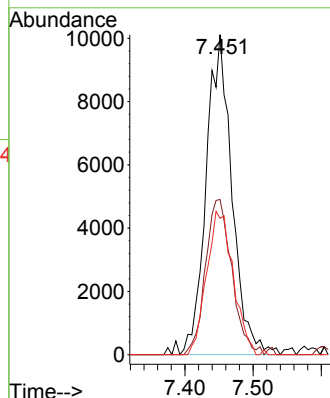
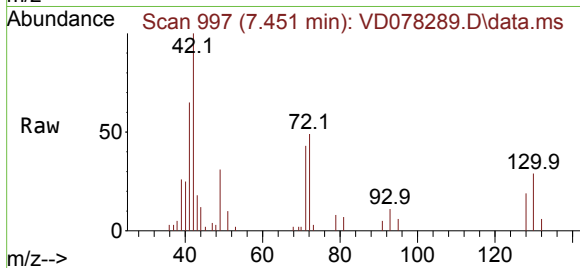
Tgt Ion: 42 Resp: 26634

Ion Ratio Lower Upper

42 100

72 49.5 46.5 69.7

71 46.2 44.5 66.7



#30

Chloroform

Concen: 20.695 ug/l

RT: 7.598 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD078289.D

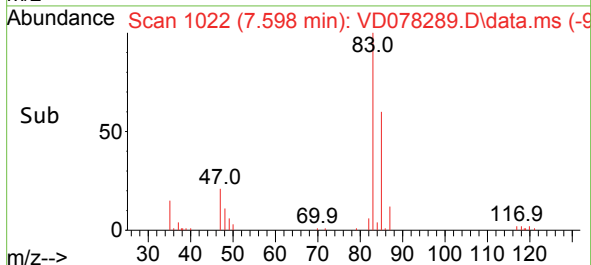
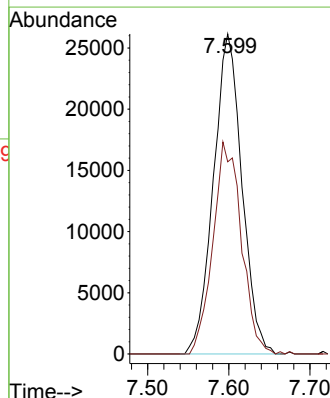
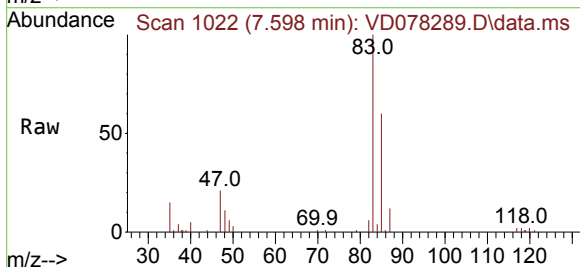
Acq: 31 Jan 2024 13:08

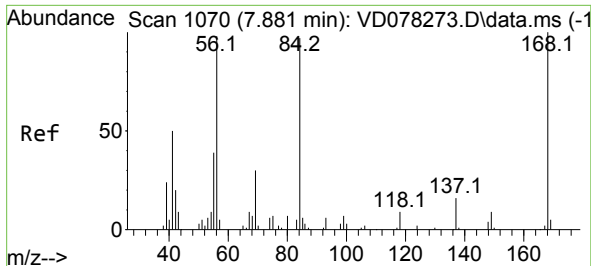
Tgt Ion: 83 Resp: 63745

Ion Ratio Lower Upper

83 100

85 60.0 53.4 80.2

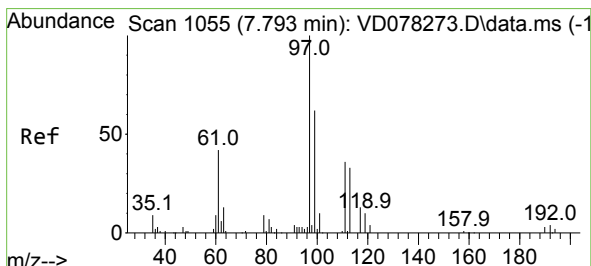
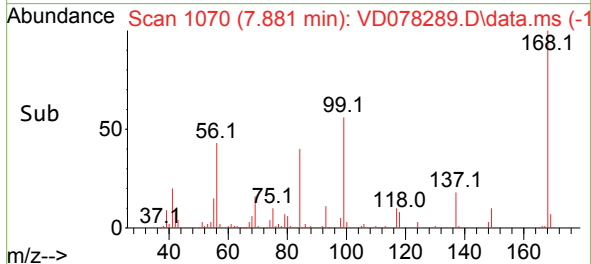
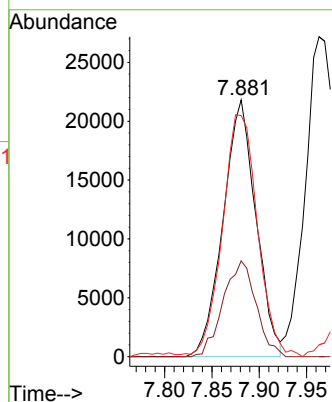
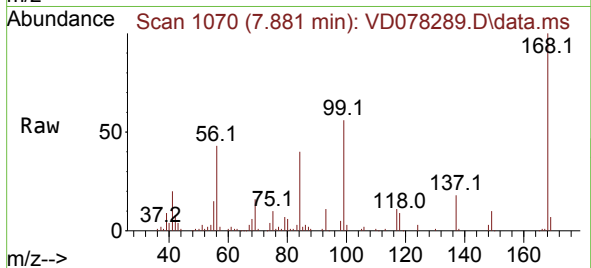




#31  
Cyclohexane  
Concen: 20.150 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

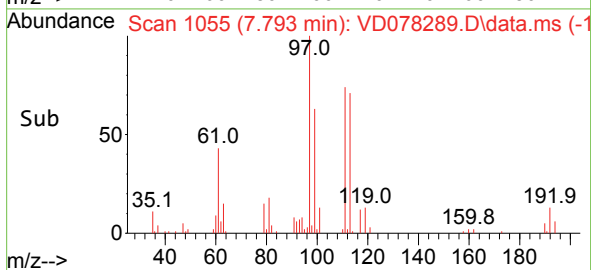
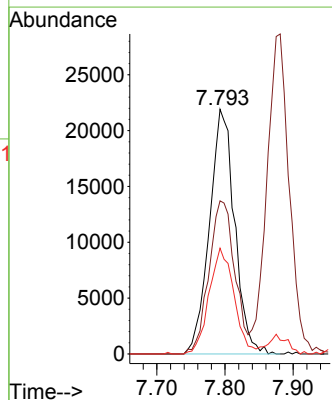
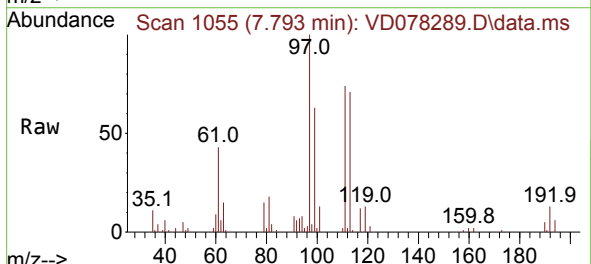
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

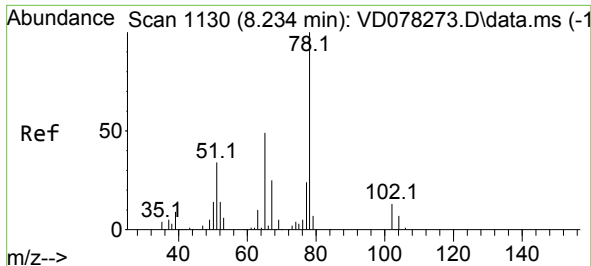
Tgt Ion: 56 Resp: 52676  
Ion Ratio Lower Upper  
56 100  
69 37.3 28.6 43.0  
84 93.1 84.8 127.2



#32  
1,1,1-Trichloroethane  
Concen: 21.170 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 97 Resp: 56199  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.0 78.0  
61 42.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 46.937 ug/l

RT: 8.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

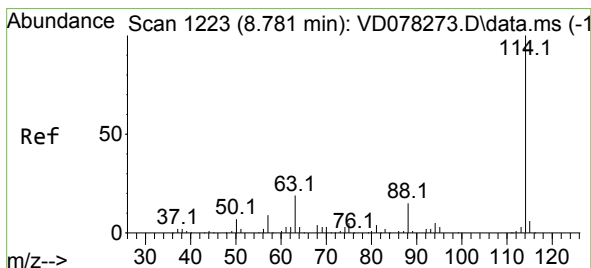
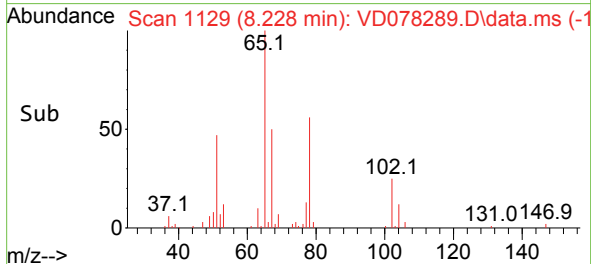
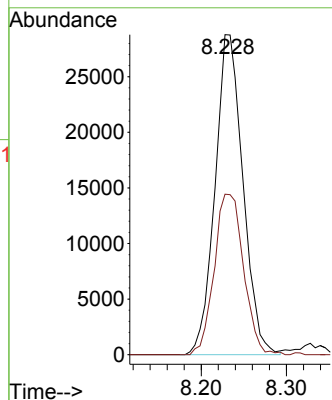
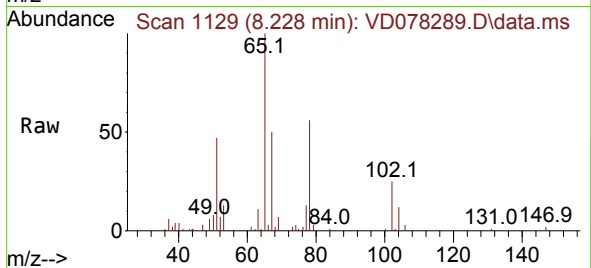
VD0131SBSD01

Tgt Ion: 65 Resp: 65516

Ion Ratio Lower Upper

65 100

67 52.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

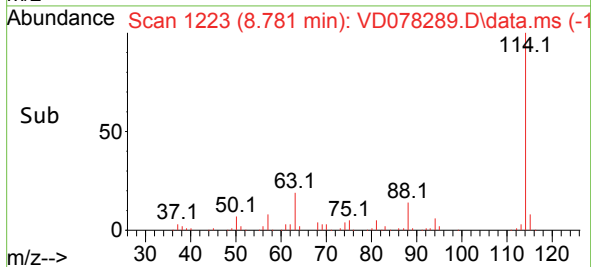
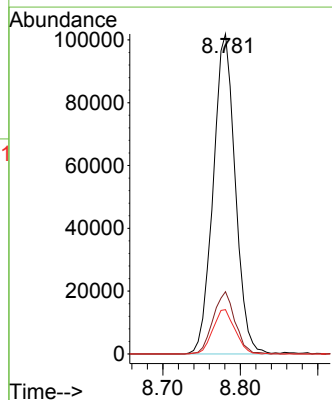
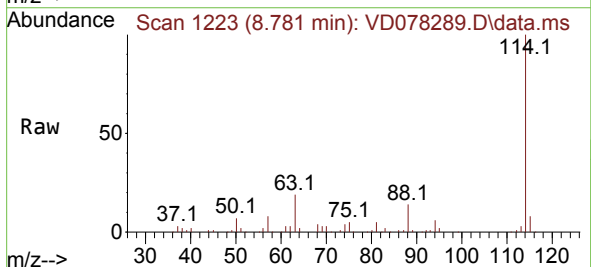
Tgt Ion:114 Resp: 201381

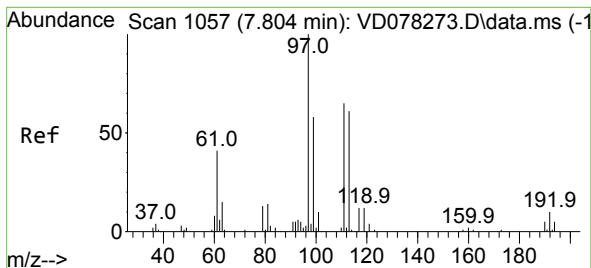
Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.4

88 13.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.591 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

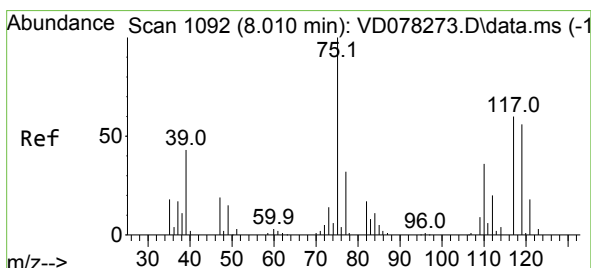
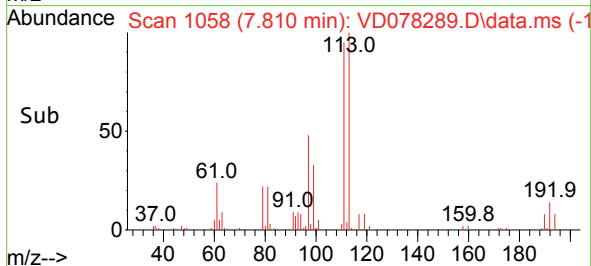
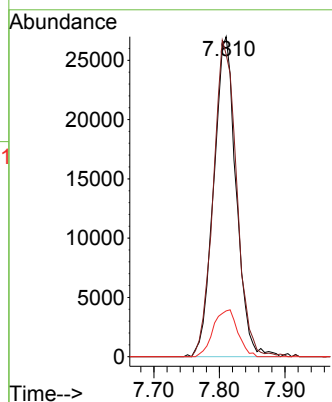
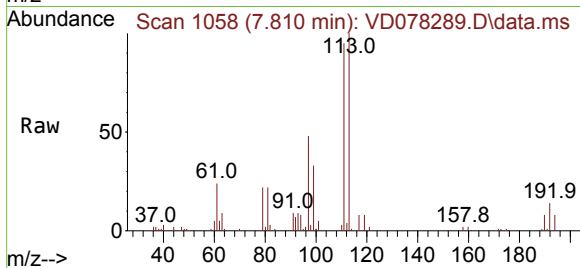
Tgt Ion:113 Resp: 63930

Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 15.9 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 21.532 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

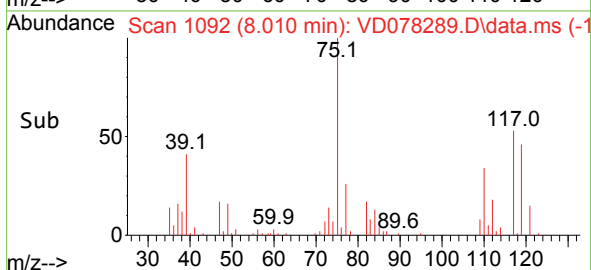
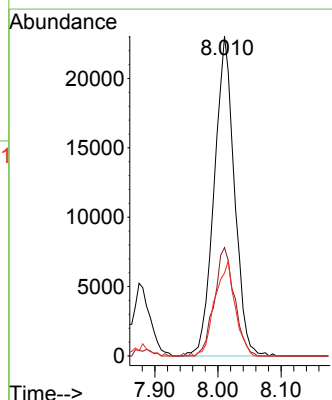
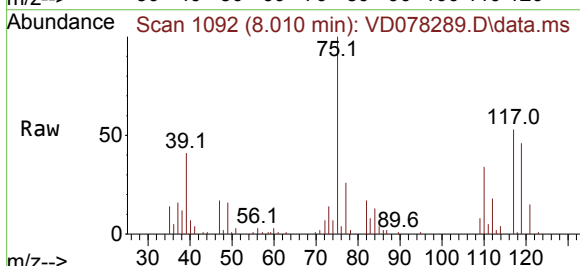
Tgt Ion: 75 Resp: 51190

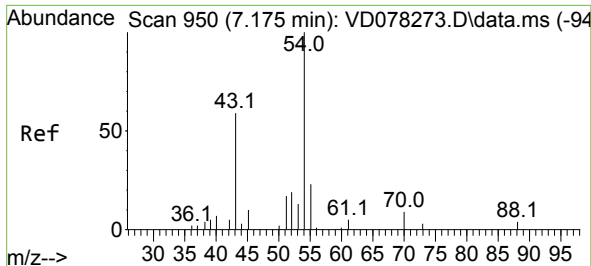
Ion Ratio Lower Upper

75 100

110 33.6 19.9 59.6

77 29.6 24.7 37.1





#37

Ethyl Acetate

Concen: 22.936 ug/l

RT: 7.169 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

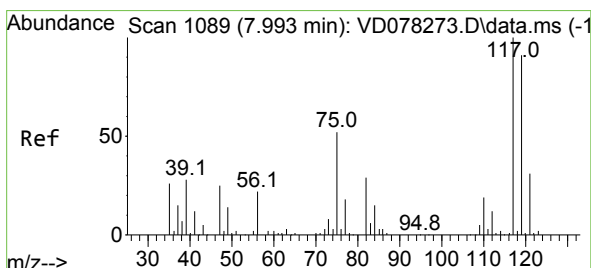
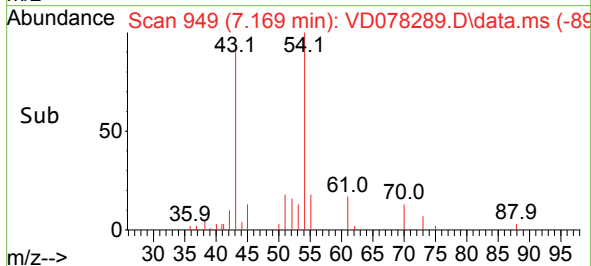
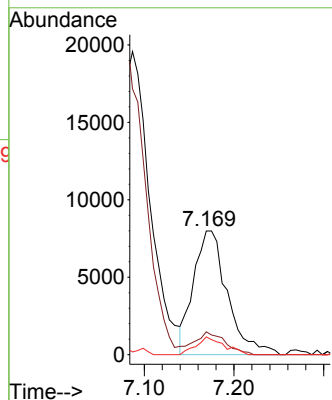
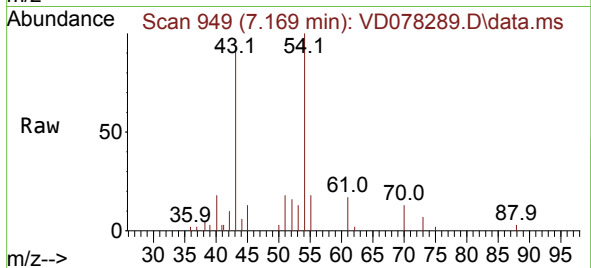
Tgt Ion: 43 Resp: 20987

Ion Ratio Lower Upper

43 100

61 16.7 14.9 22.3

70 11.7 10.0 15.0



#38

Carbon Tetrachloride

Concen: 21.154 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

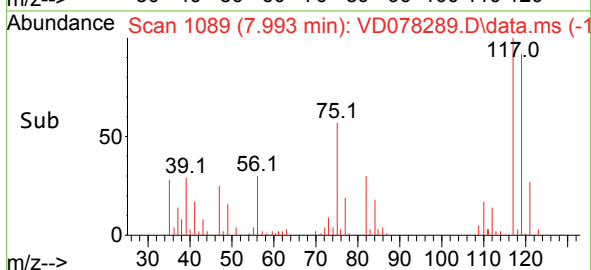
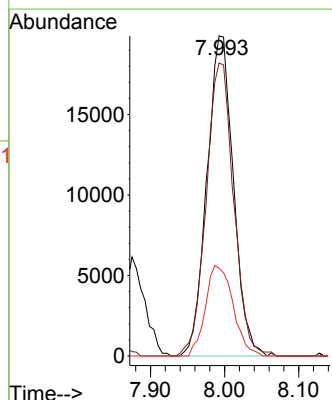
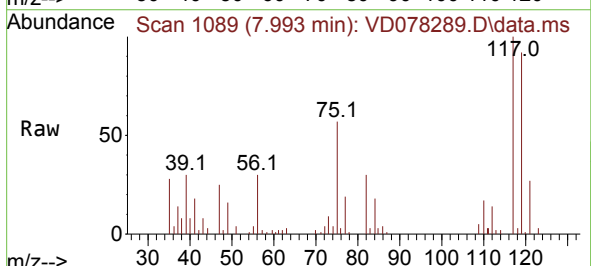
Tgt Ion: 117 Resp: 49449

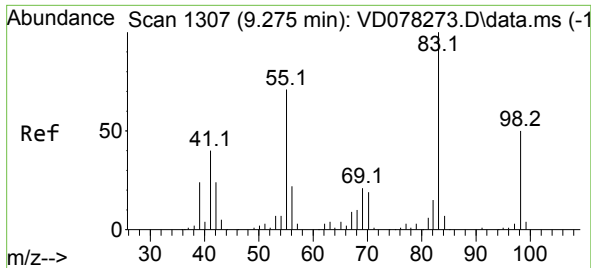
Ion Ratio Lower Upper

117 100

119 91.5 78.0 117.0

121 27.4 24.2 36.2

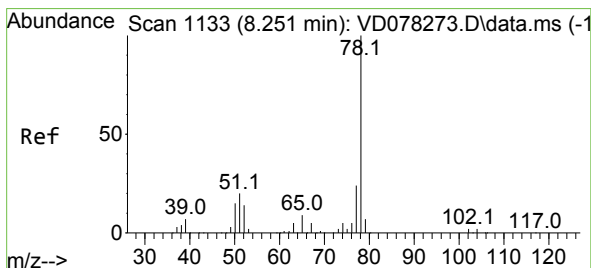
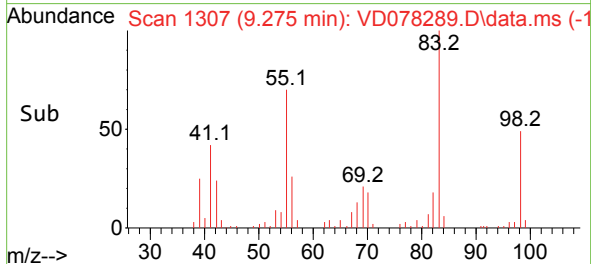
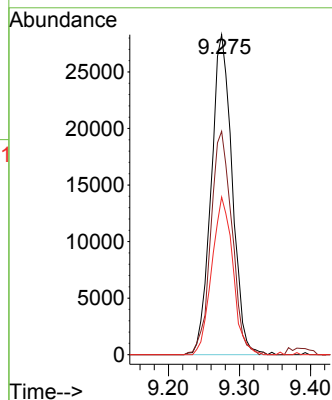
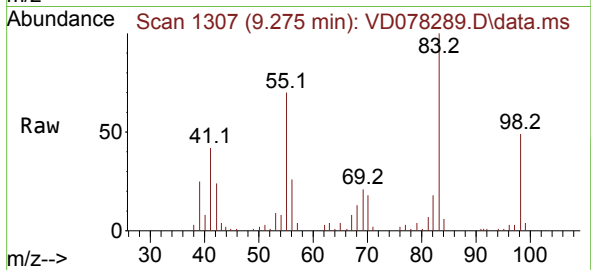




#39  
Methylcyclohexane  
Concen: 20.681 ug/l  
RT: 9.275 min Scan# 11307  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

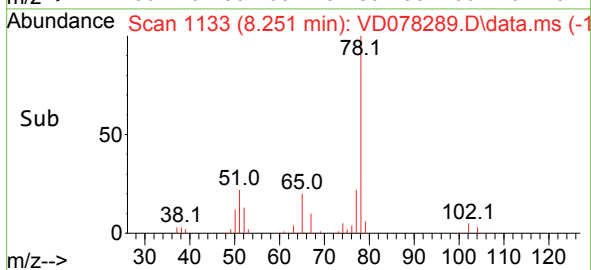
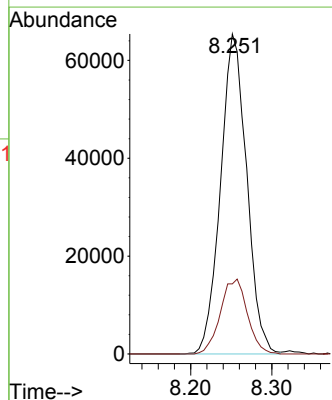
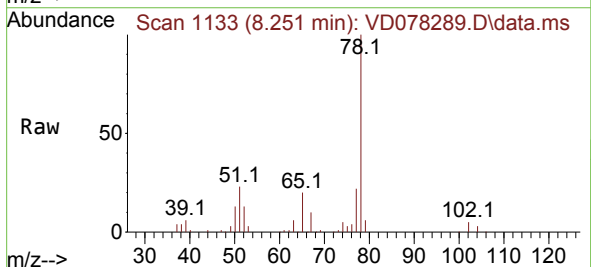
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

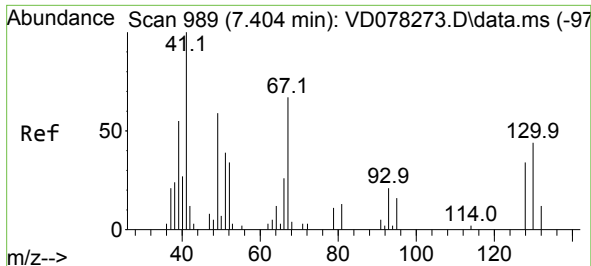
Tgt Ion: 83 Resp: 58131  
Ion Ratio Lower Upper  
83 100  
55 69.8 49.4 74.0  
98 49.3 38.4 57.6



#40  
Benzene  
Concen: 21.105 ug/l  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 78 Resp: 146402  
Ion Ratio Lower Upper  
78 100  
77 21.9 19.4 29.0

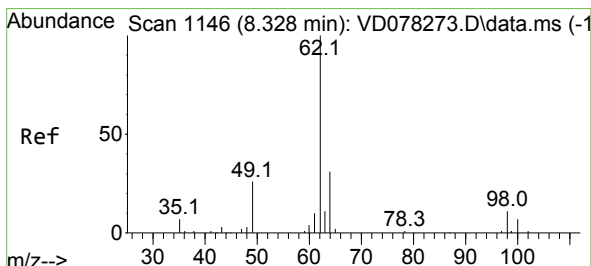
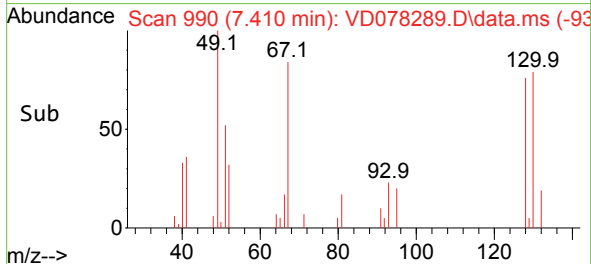
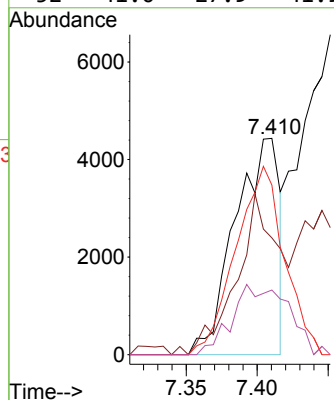
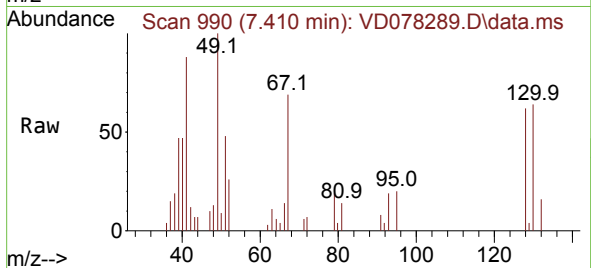




#41  
Methacrylonitrile  
Concen: 19.688 ug/l  
RT: 7.410 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

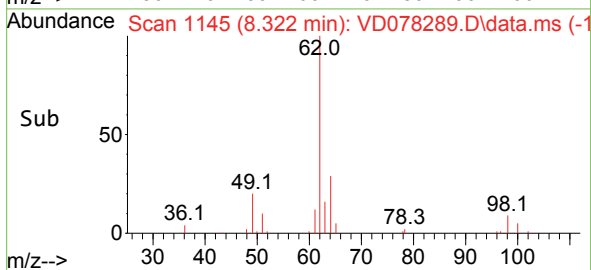
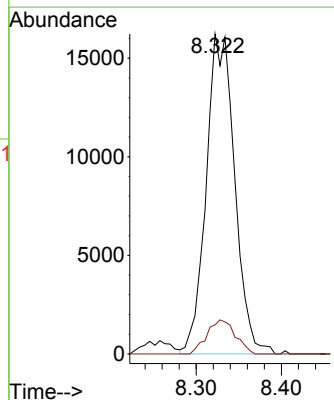
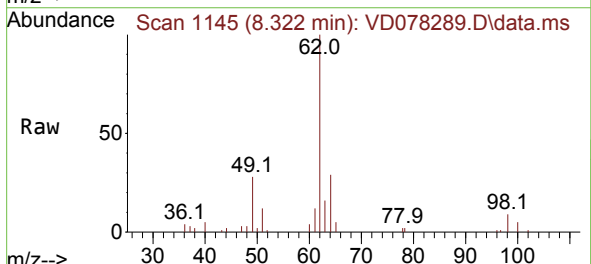
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

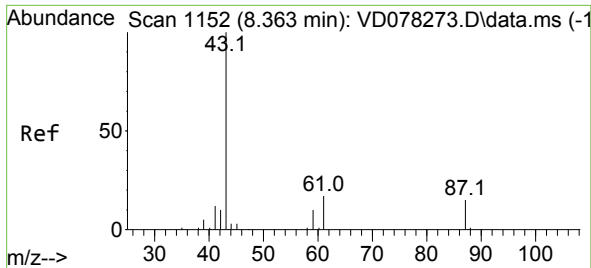
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 9685  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 70.5  | 34.0  | 51.0# |
| 67       | 94.6  | 77.0  | 115.4 |
| 52       | 41.0  | 27.9  | 41.9  |



#42  
1,2-Dichloroethane  
Concen: 20.950 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 37693 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.6  | 0.0   | 25.4  |

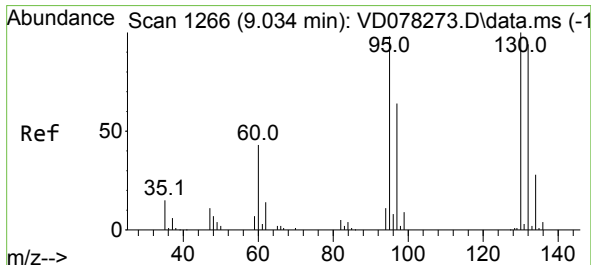
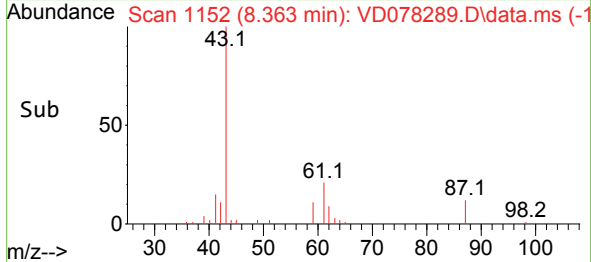
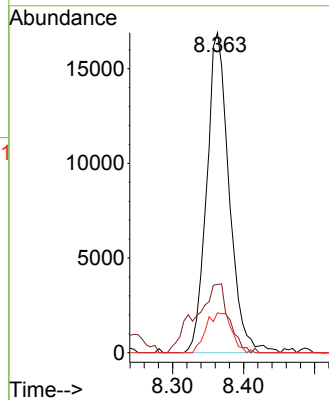
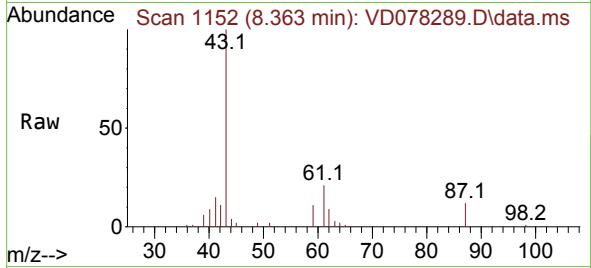




#43  
Isopropyl Acetate  
Concen: 22.632 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

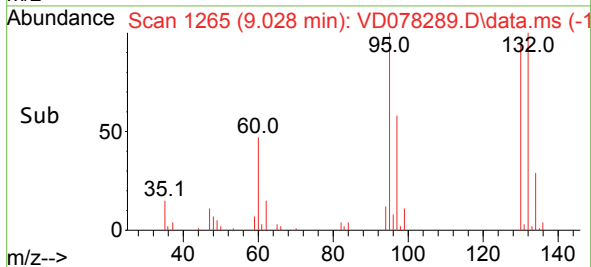
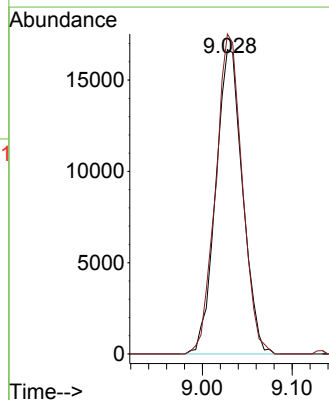
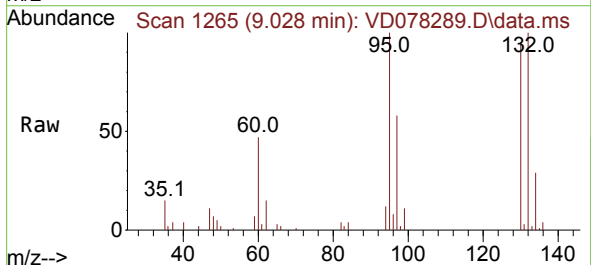
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

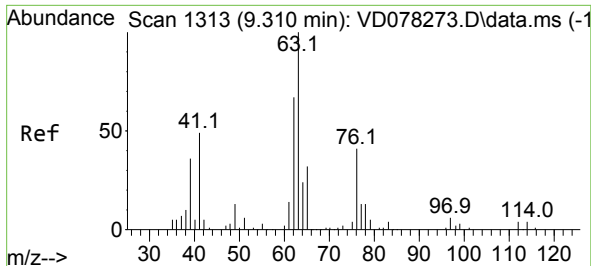
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.8  | 31.4  | 47.0  |
| 87      | 14.2  | 14.9  | 22.3  |



#44  
Trichloroethene  
Concen: 20.396 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 105.1 | 0.0   | 179.2 |





#45

1,2-Dichloropropane

Concen: 21.261 ug/l

RT: 9.310 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

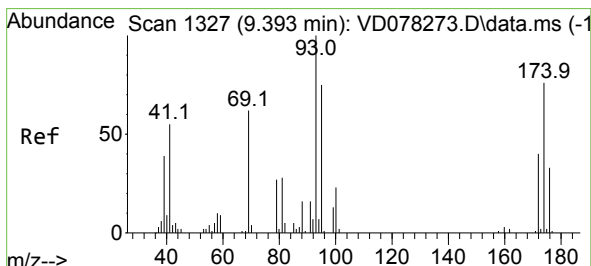
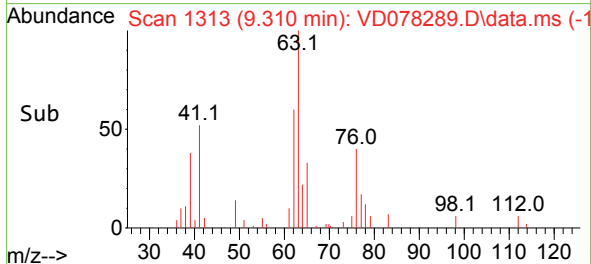
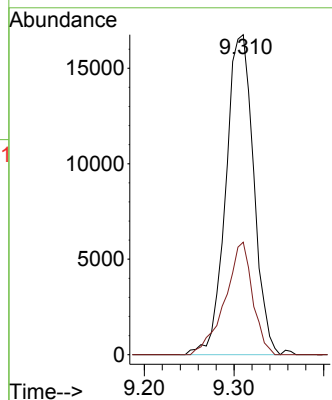
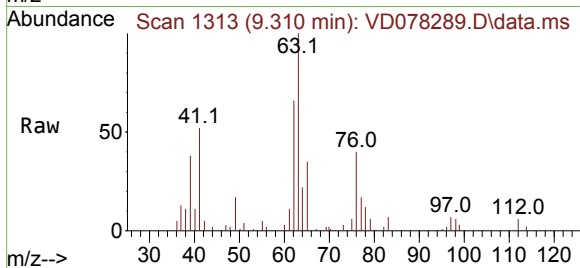
VD0131SBSD01

Tgt Ion: 63 Resp: 36059

Ion Ratio Lower Upper

63 100

65 35.2 24.5 36.7



#46

Dibromomethane

Concen: 21.586 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

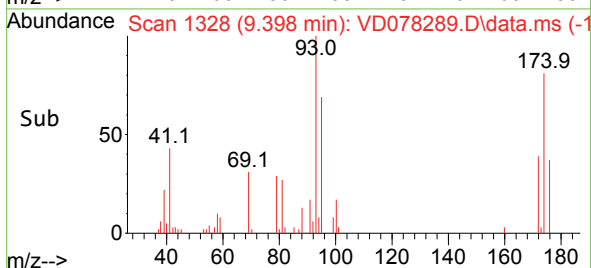
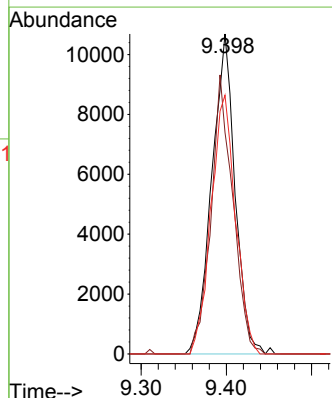
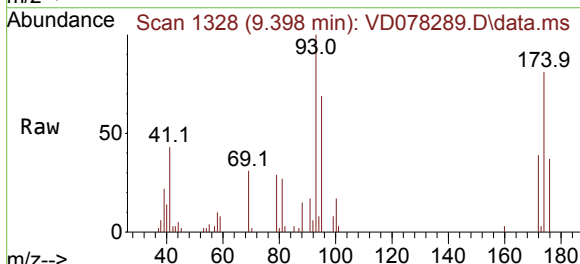
Tgt Ion: 93 Resp: 20313

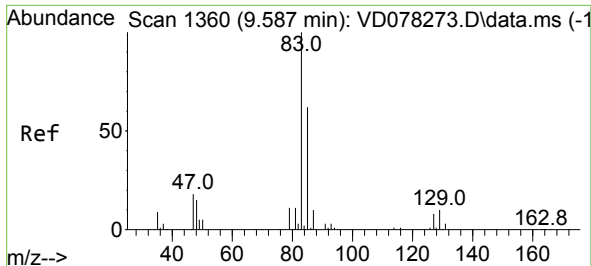
Ion Ratio Lower Upper

93 100

95 82.0 67.7 101.5

174 84.9 85.4 128.2#

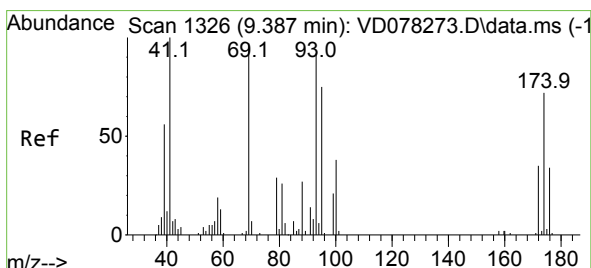
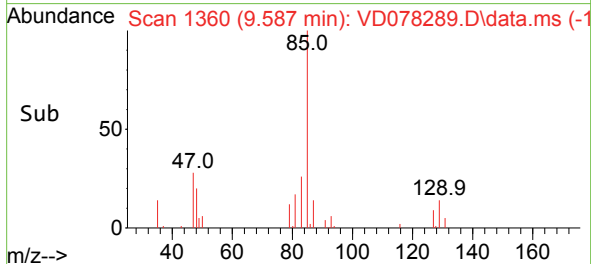
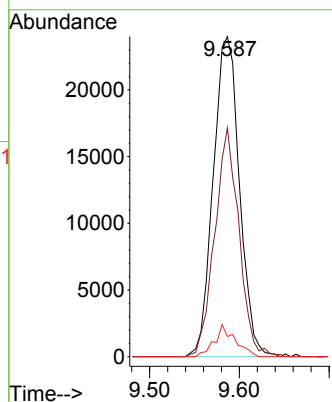
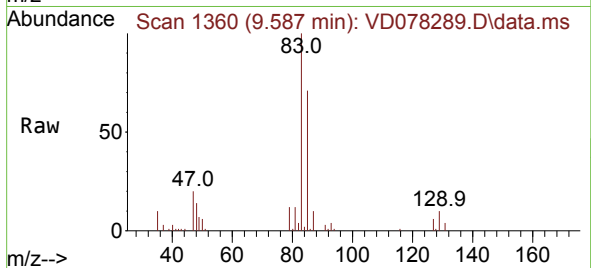




#47  
Bromodichloromethane  
Concen: 21.015 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

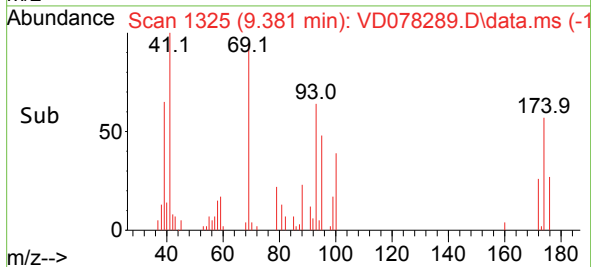
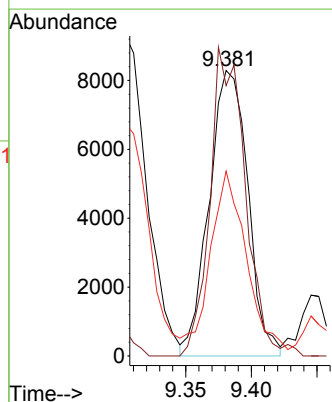
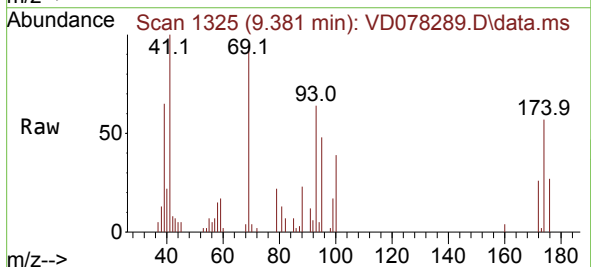
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

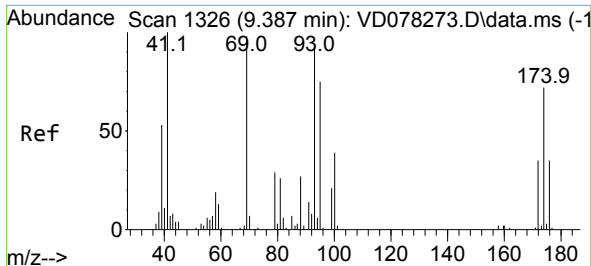
Tgt Ion: 83 Resp: 48655  
Ion Ratio Lower Upper  
83 100  
85 71.4 50.2 75.4  
127 6.3 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 21.732 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 41 Resp: 17037  
Ion Ratio Lower Upper  
41 100  
69 98.3 102.2 153.2#  
39 56.0 41.4 62.2

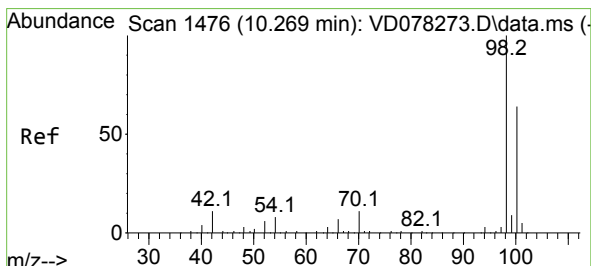
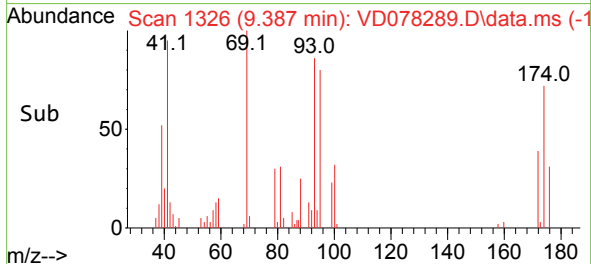
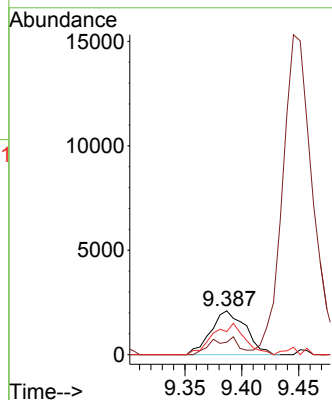
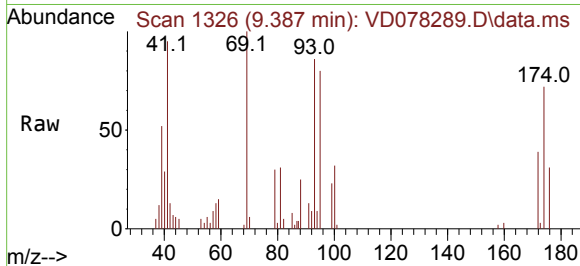




#49  
1,4-Dioxane  
Concen: 421.557 ug/l  
RT: 9.387 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

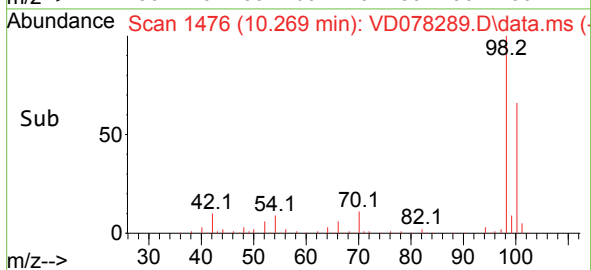
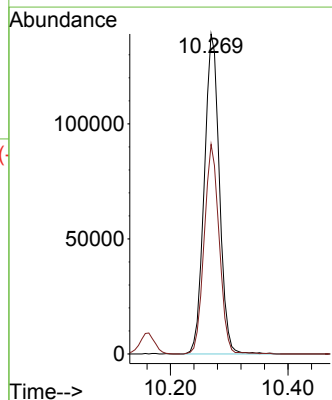
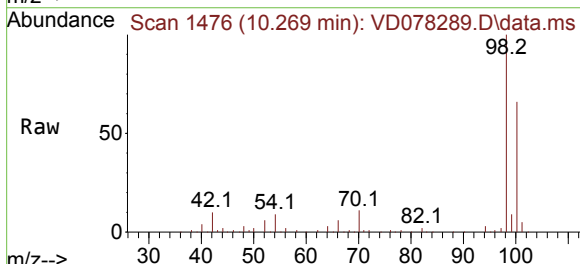
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

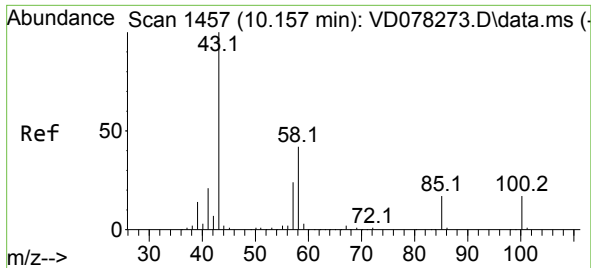
Tgt Ion: 88 Resp: 4450  
Ion Ratio Lower Upper  
88 100  
43 30.0 19.0 28.6#  
58 65.6 43.5 65.3#



#50  
Toluene-d8  
Concen: 45.616 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 98 Resp: 247602  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.3 75.5

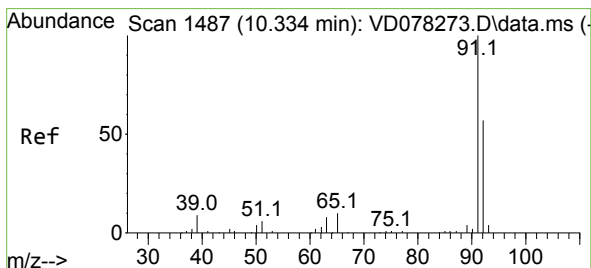
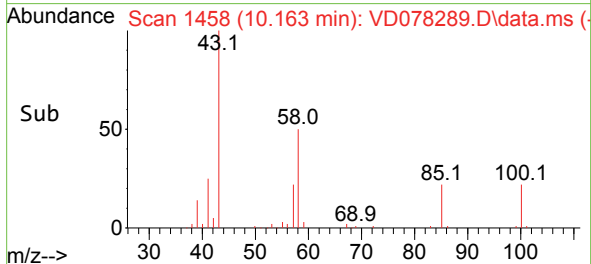
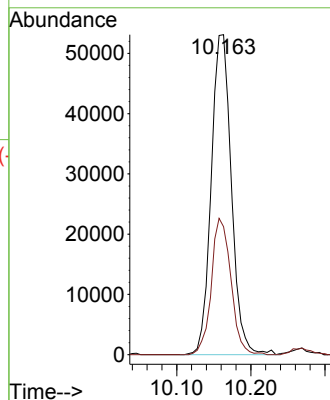
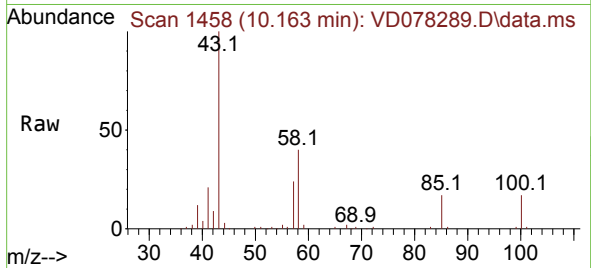




#51  
4-Methyl-2-Pentanone  
Concen: 113.136 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

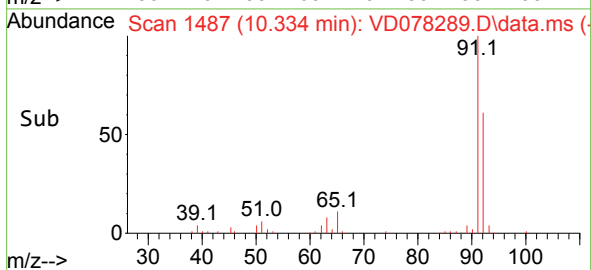
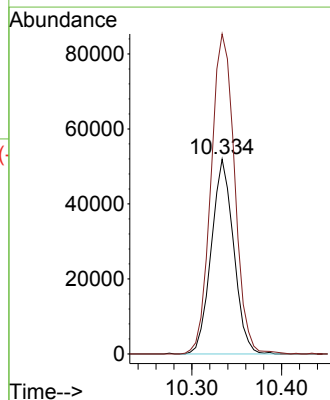
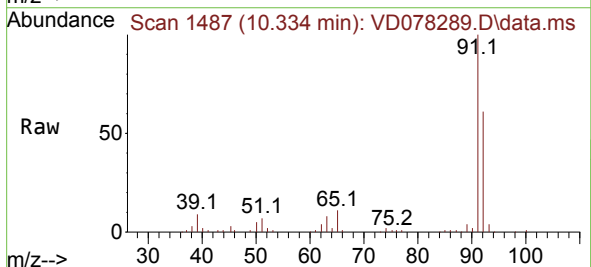
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBS01

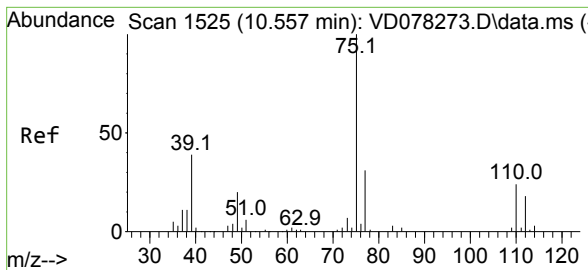
Tgt Ion: 43 Resp: 100410  
Ion Ratio Lower Upper  
43 100  
58 41.3 38.9 58.3



#52  
Toluene  
Concen: 21.348 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 92 Resp: 89824  
Ion Ratio Lower Upper  
92 100  
91 173.8 143.0 214.4

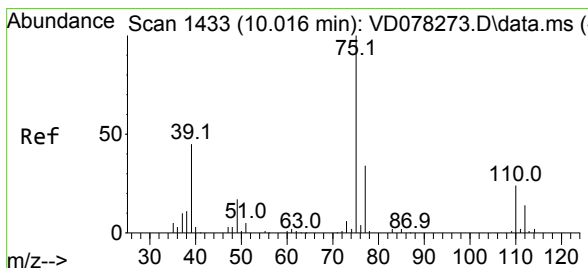
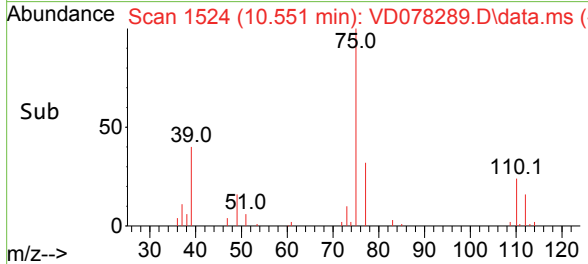
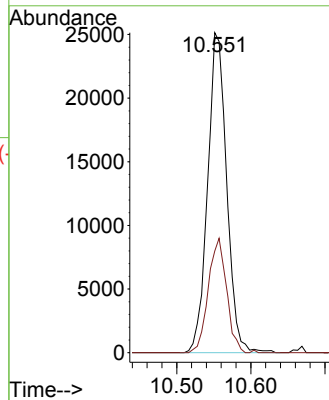
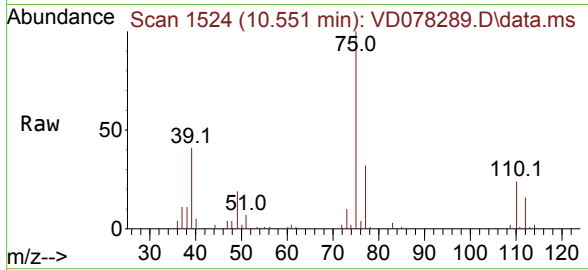




#53  
 t-1,3-Dichloropropene  
 Concen: 20.771 ug/l  
 RT: 10.551 min Scan# 1525  
 Delta R.T. -0.006 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

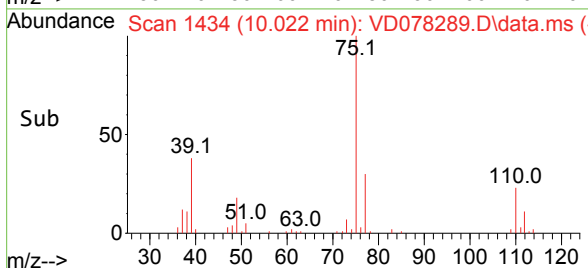
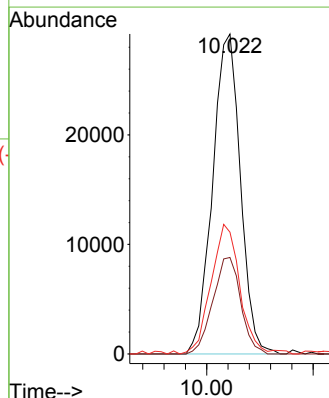
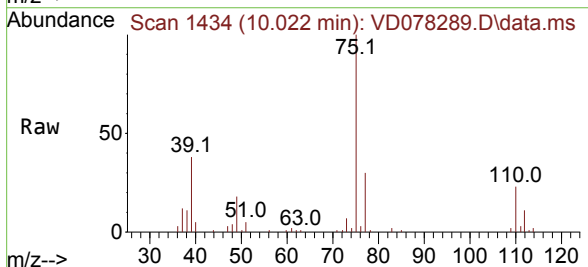
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBSD01

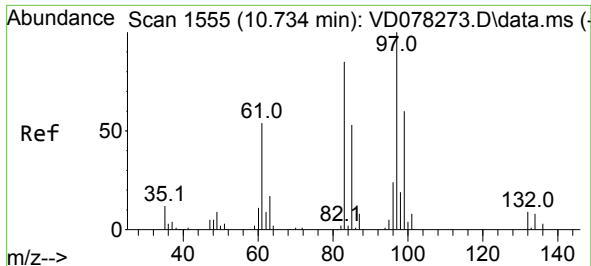
Tgt Ion: 75 Resp: 44918  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.639 ug/l  
 RT: 10.022 min Scan# 1434  
 Delta R.T. 0.006 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

Tgt Ion: 75 Resp: 52839  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 25.5 38.3  
 39 38.1 22.1 33.1#

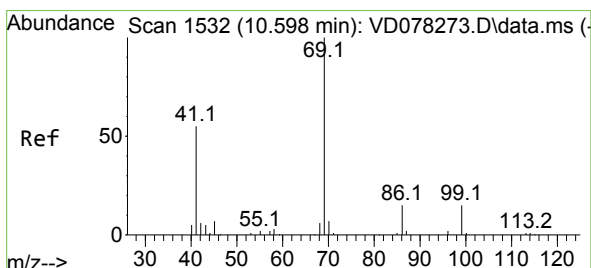
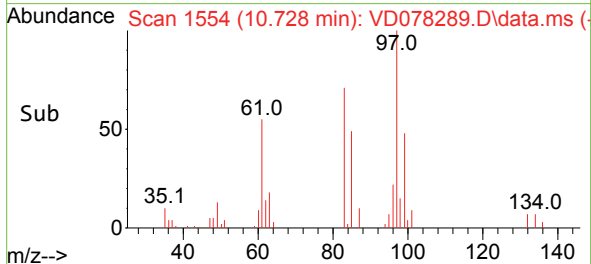
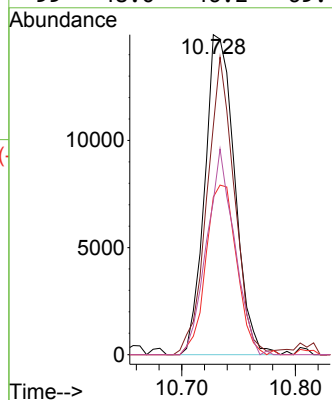
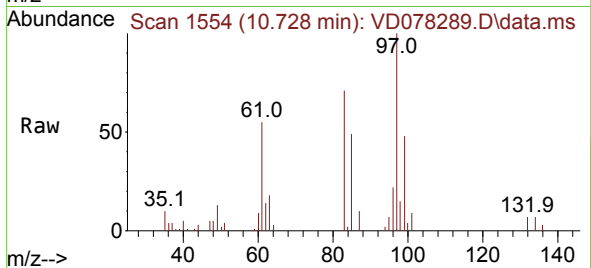




#55  
1,1,2-Trichloroethane  
Concen: 22.243 ug/l  
RT: 10.728 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

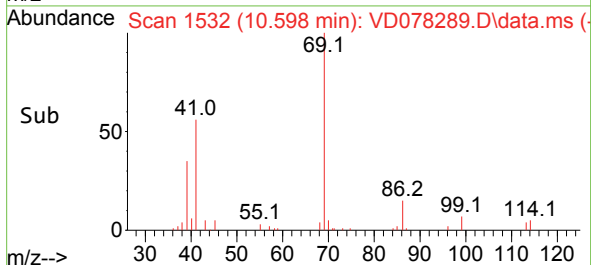
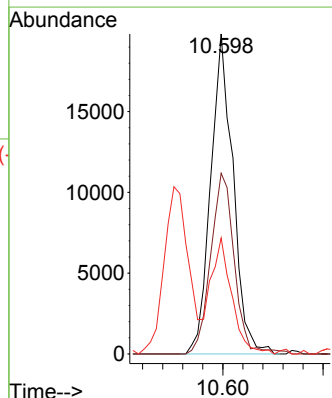
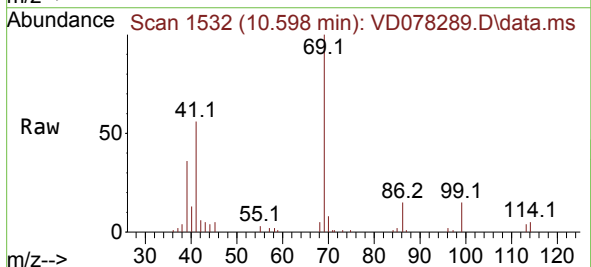
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

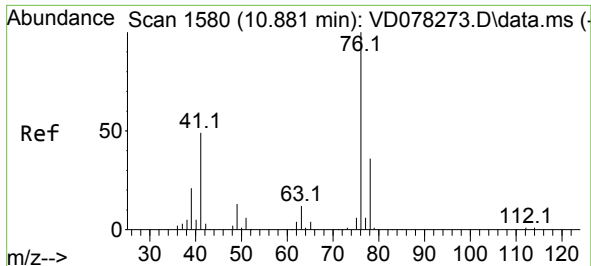
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 27314 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 70.1     | 65.8 98.6   |
| 85 49.3     | 45.7 68.5   |
| 99 48.0     | 46.2 69.4   |



#56  
Ethyl methacrylate  
Concen: 22.017 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 30667 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 59.7     | 39.1 58.7#  |
| 39 35.7     | 20.0 30.0#  |





#57

1,3-Dichloropropane

Concen: 22.026 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

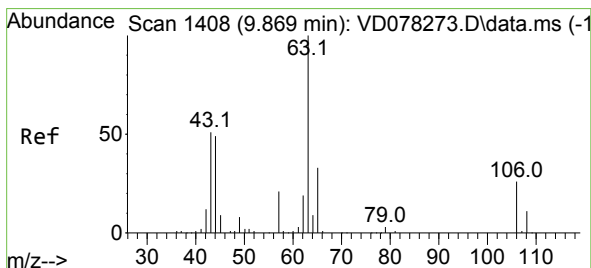
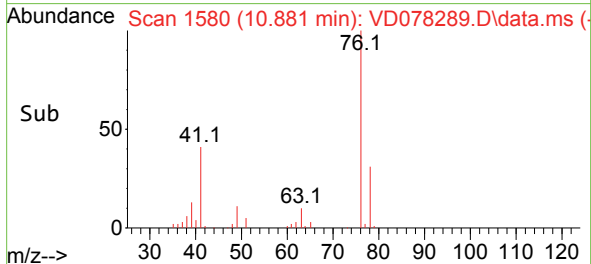
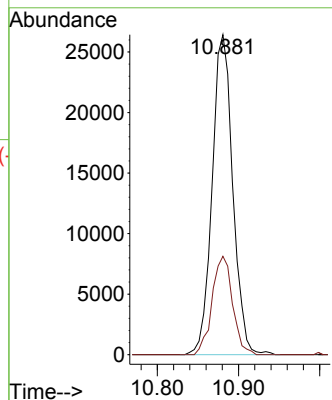
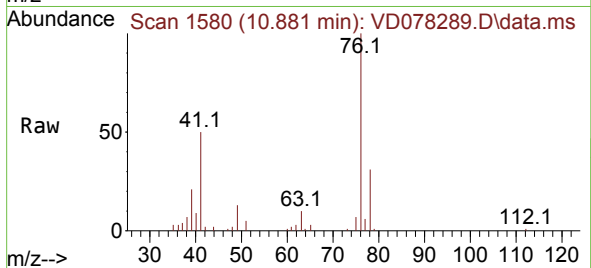
VD0131SBSD01

Tgt Ion: 76 Resp: 46637

Ion Ratio Lower Upper

76 100

78 30.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 100.038 ug/l

RT: 9.875 min Scan# 1409

Delta R.T. 0.006 min

Lab File: VD078289.D

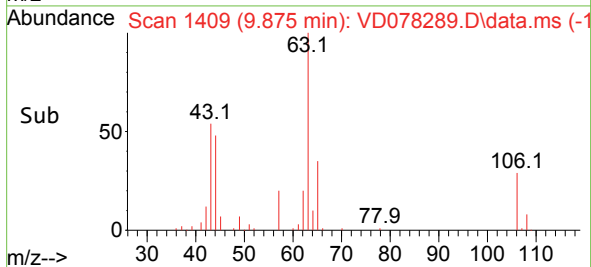
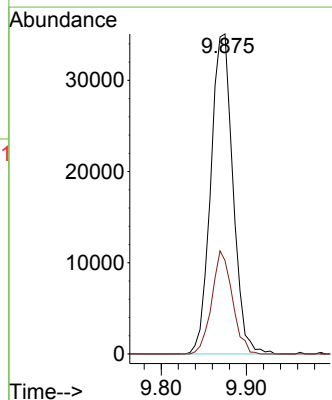
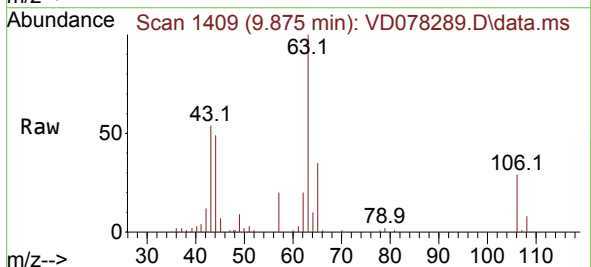
Acq: 31 Jan 2024 13:08

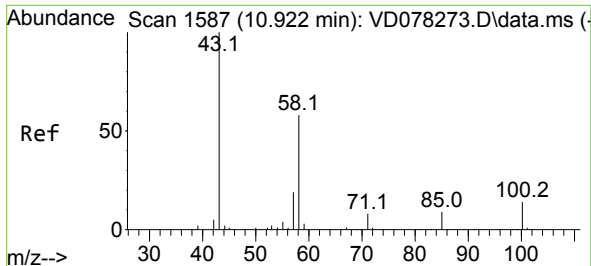
Tgt Ion: 63 Resp: 63366

Ion Ratio Lower Upper

63 100

106 29.9 25.3 37.9

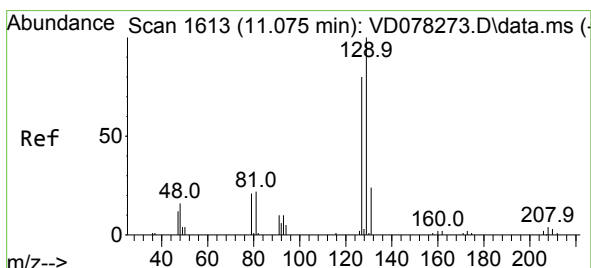
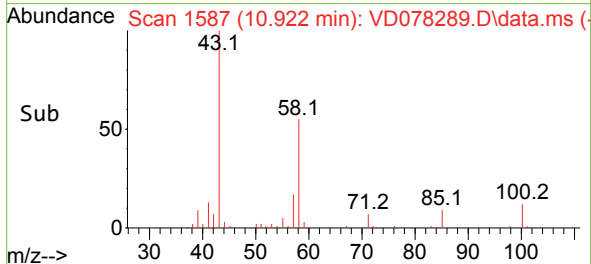
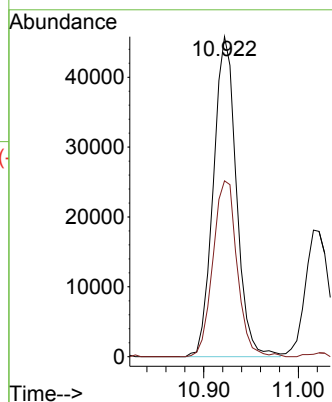
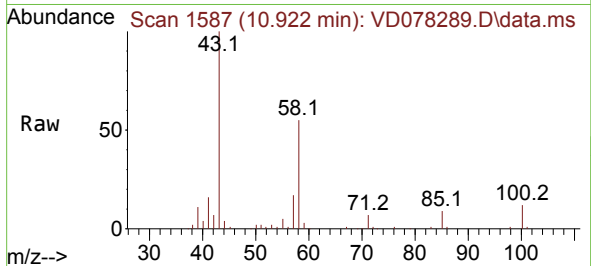




#59  
2-Hexanone  
Concen: 115.868 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

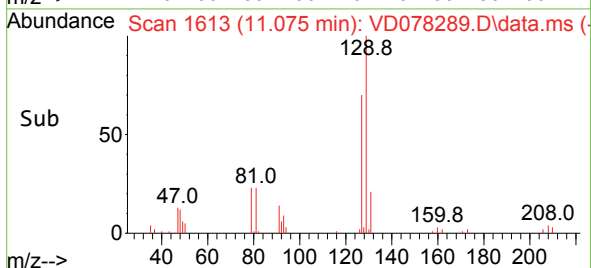
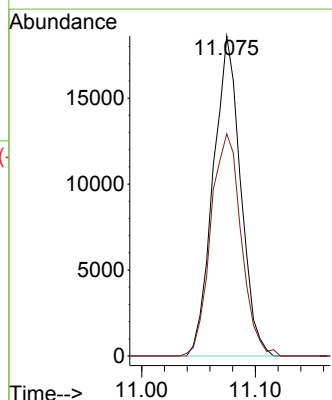
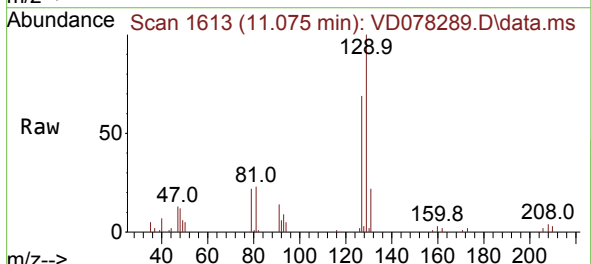
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

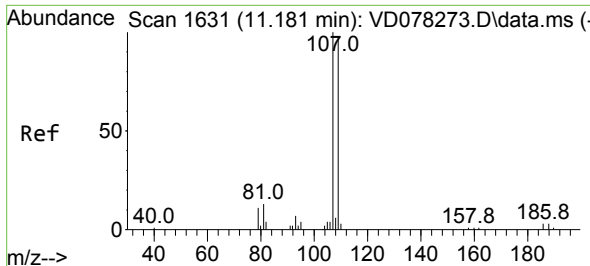
Tgt Ion: 43 Resp: 77448  
Ion Ratio Lower Upper  
43 100  
58 57.7 34.1 102.2



#60  
Dibromochloromethane  
Concen: 21.828 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 129 Resp: 31116  
Ion Ratio Lower Upper  
129 100  
127 77.1 37.1 111.5

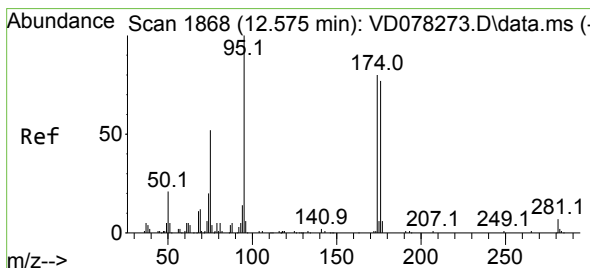
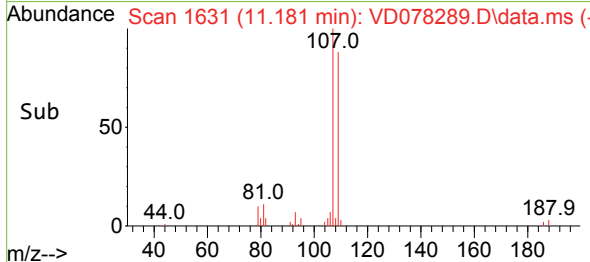
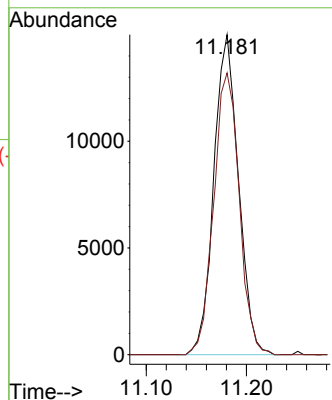
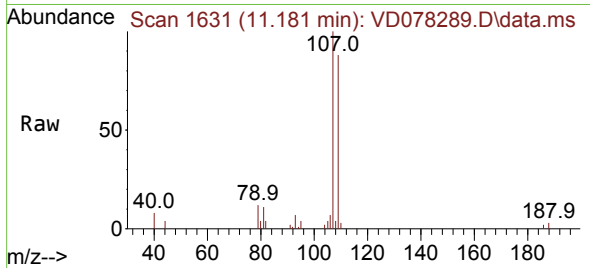




#61  
1,2-Dibromoethane  
Concen: 22.034 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

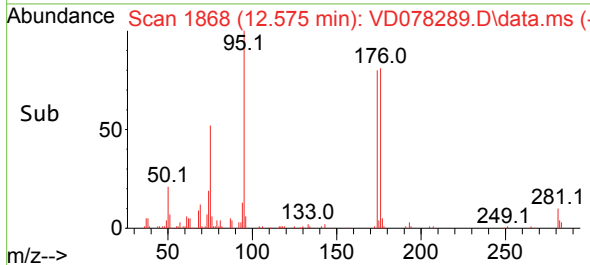
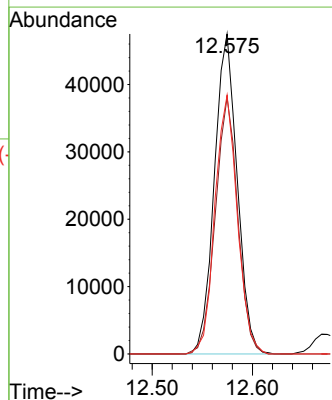
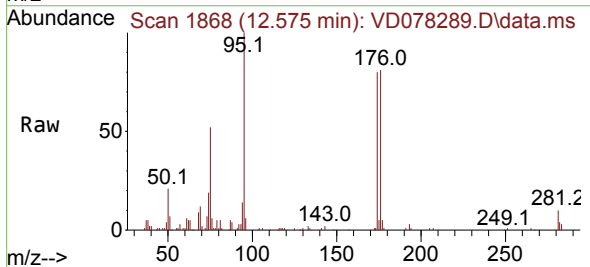
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

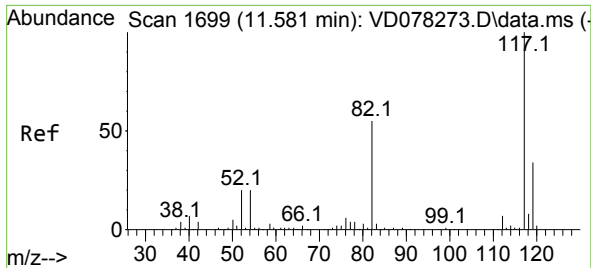
Tgt Ion:107 Resp: 25546  
Ion Ratio Lower Upper  
107 100  
109 91.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 46.184 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 95 Resp: 75073  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 201.8  
176 79.4 0.0 191.8

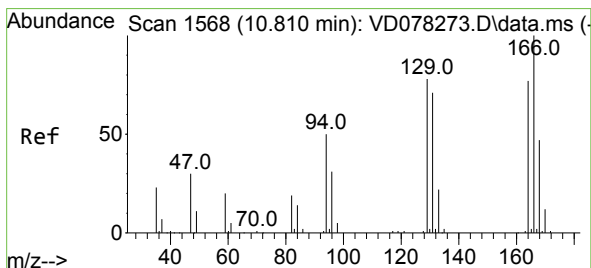
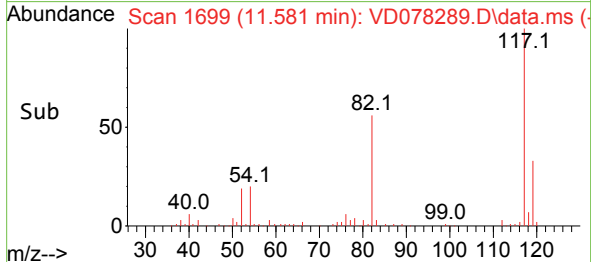
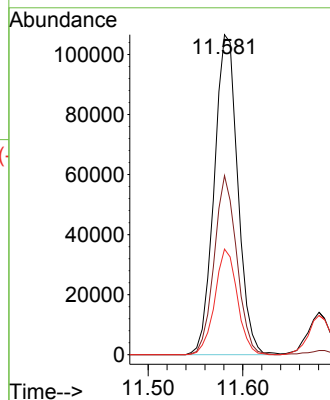
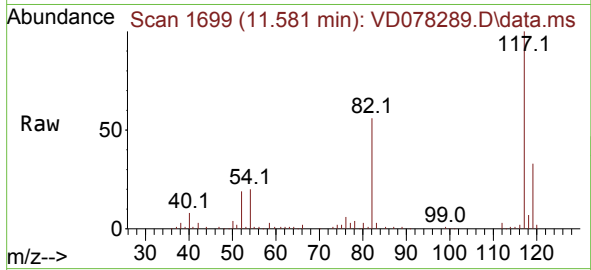




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

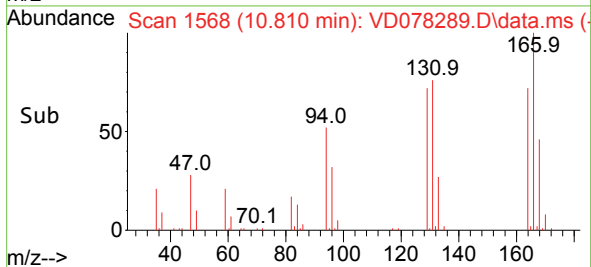
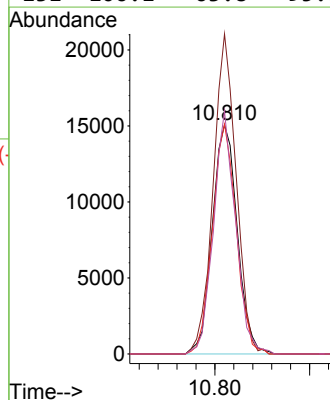
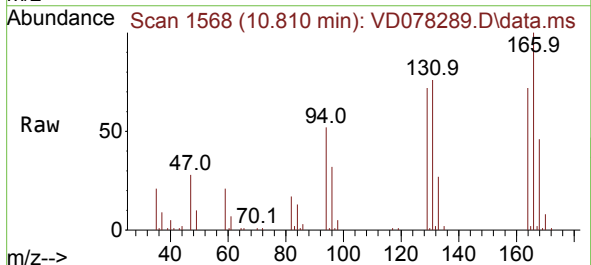
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

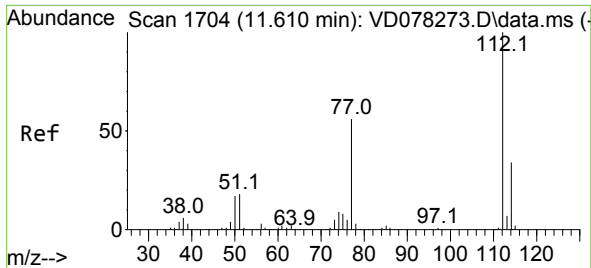
Tgt Ion:117 Resp: 184577  
Ion Ratio Lower Upper  
117 100  
82 56.0 38.3 57.5  
119 33.0 25.0 37.4



#64  
Tetrachloroethene  
Concen: 21.404 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:164 Resp: 27555  
Ion Ratio Lower Upper  
164 100  
166 139.6 99.2 148.8  
129 100.3 68.4 102.6  
131 106.1 63.8 95.8#

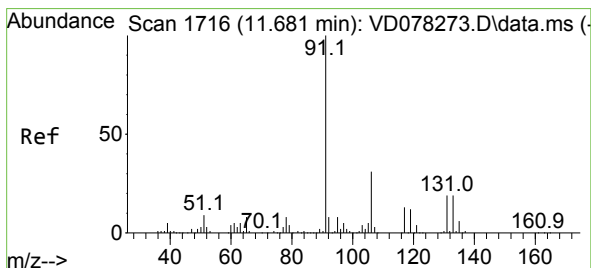
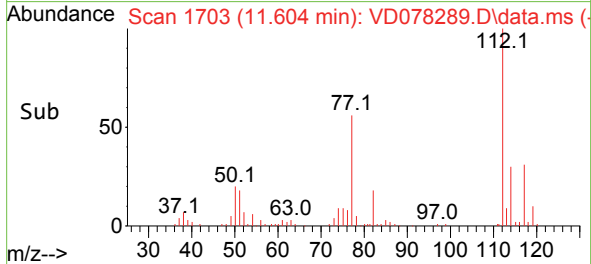
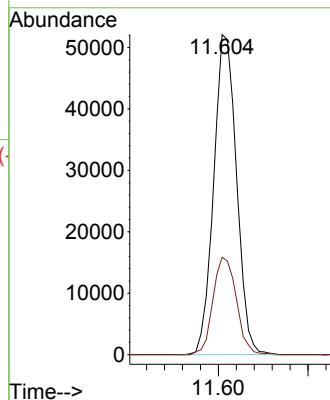
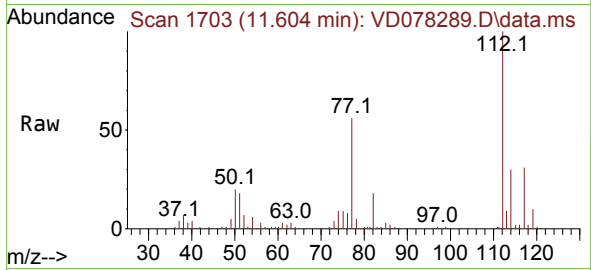




#65  
Chlorobenzene  
Concen: 20.866 ug/l  
RT: 11.604 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

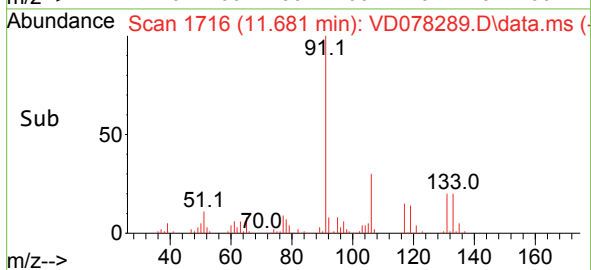
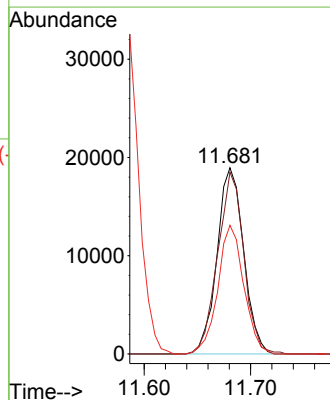
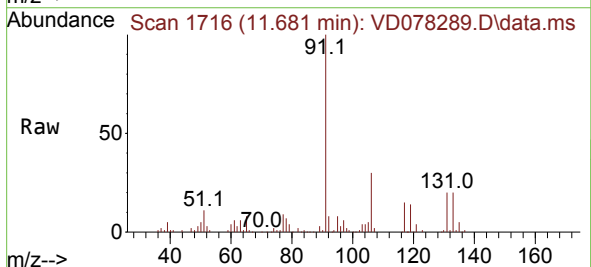
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

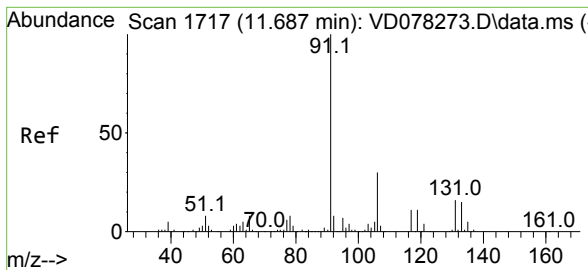
Tgt Ion:112 Resp: 92143  
Ion Ratio Lower Upper  
112 100  
114 30.4 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.928 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:131 Resp: 32904  
Ion Ratio Lower Upper  
131 100  
133 95.7 48.5 145.5  
119 67.4 35.6 106.9

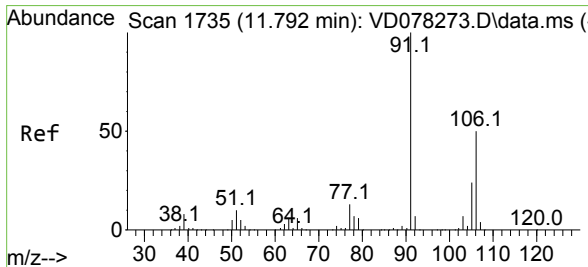
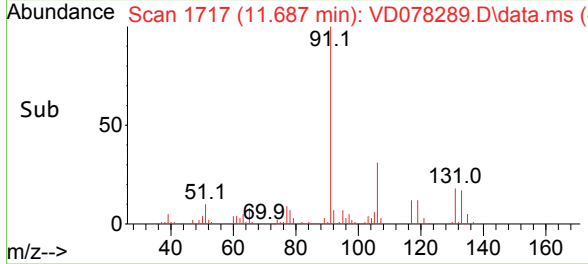
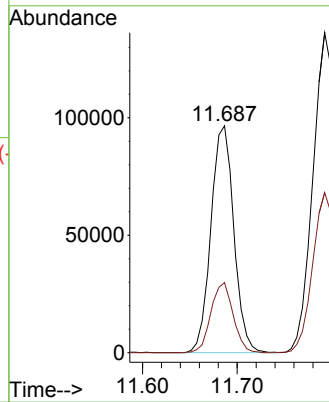
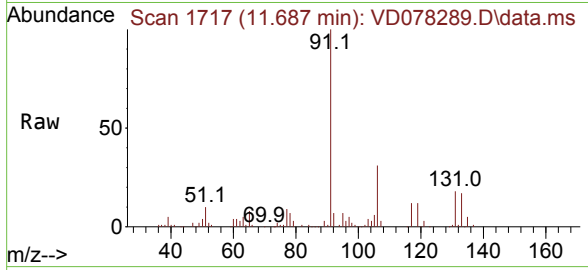




#67  
Ethyl Benzene  
Concen: 20.325 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

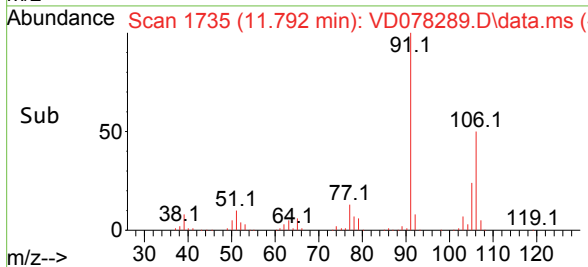
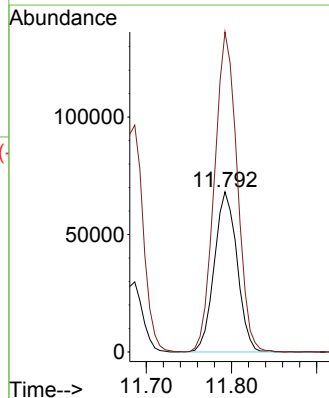
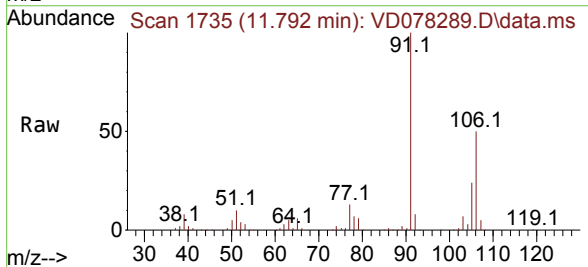
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

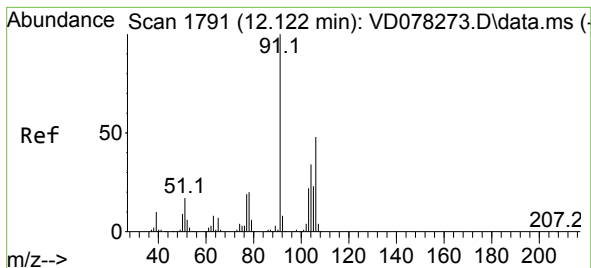
Tgt Ion: 91 Resp: 162580  
Ion Ratio Lower Upper  
91 100  
106 30.9 26.5 39.7



#68  
m/p-Xylenes  
Concen: 41.200 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:106 Resp: 126788  
Ion Ratio Lower Upper  
106 100  
91 199.2 147.0 220.6

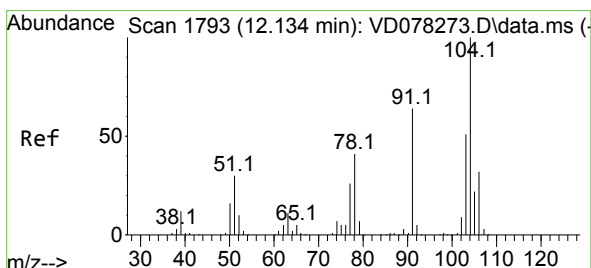
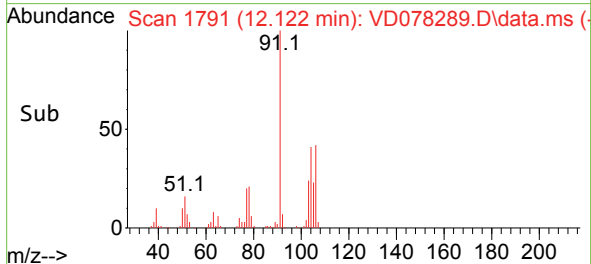
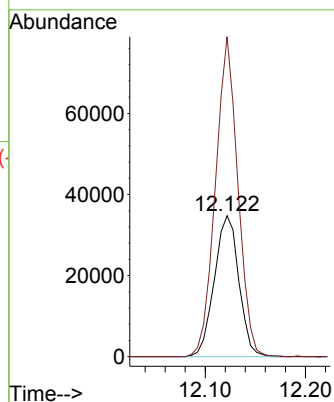
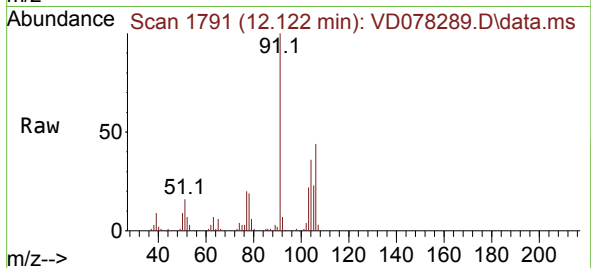




#69  
o-Xylene  
Concen: 20.823 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

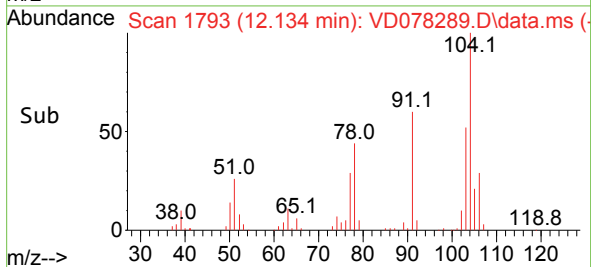
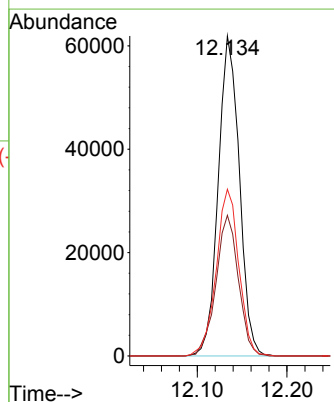
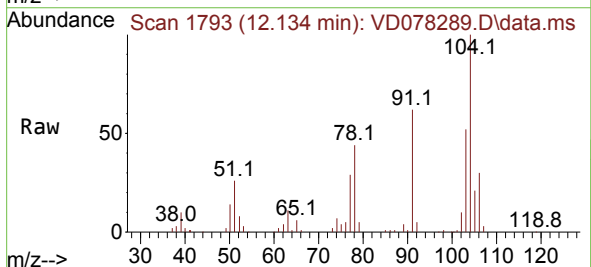
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

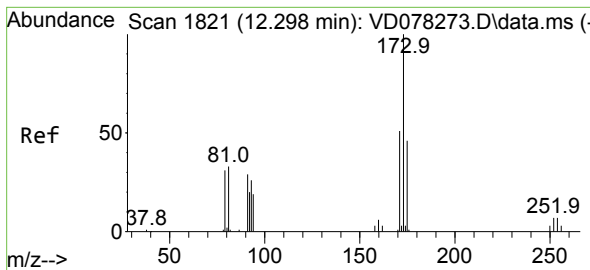
Tgt Ion:106 Resp: 58890  
Ion Ratio Lower Upper  
106 100  
91 208.4 97.9 293.6



#70  
Styrene  
Concen: 20.935 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:104 Resp: 101109  
Ion Ratio Lower Upper  
104 100  
78 46.8 33.2 49.8  
103 55.9 43.6 65.4





#71

Bromoform

Concen: 23.202 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

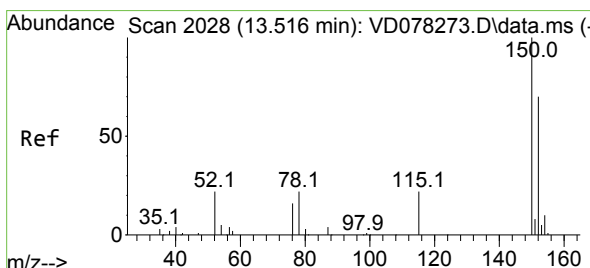
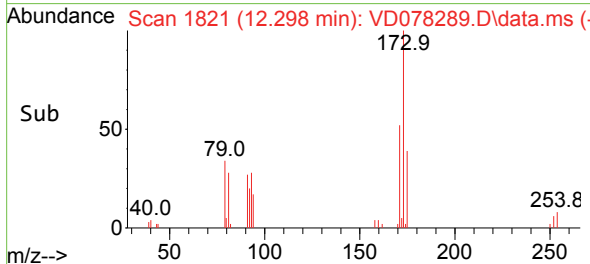
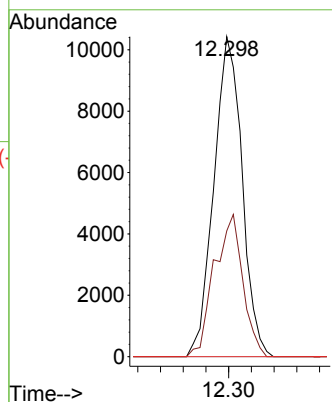
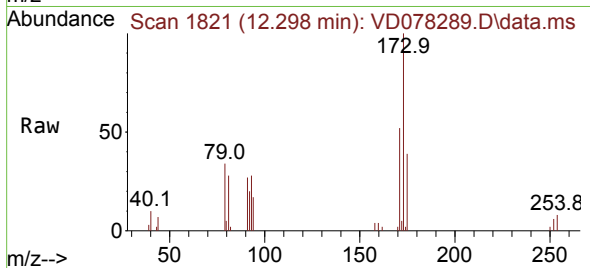
Tgt Ion:173 Resp: 17966

Ion Ratio Lower Upper

173 100

175 45.0 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

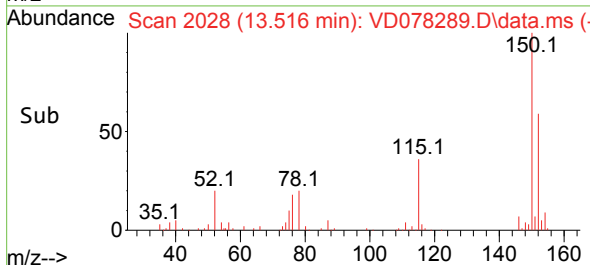
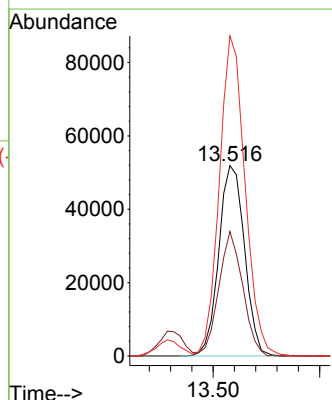
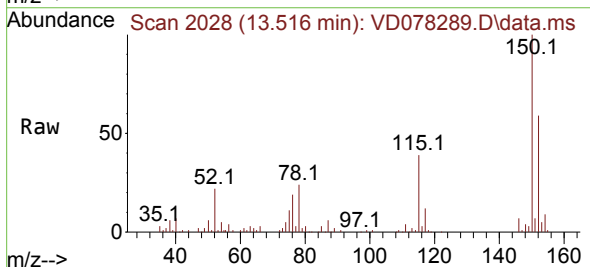
Tgt Ion:152 Resp: 86874

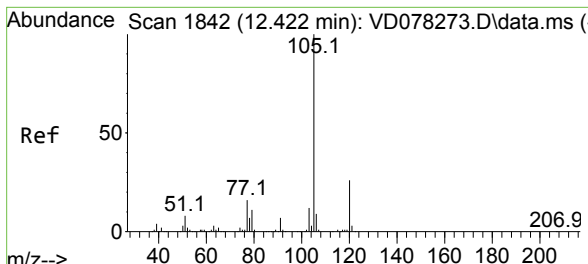
Ion Ratio Lower Upper

152 100

115 60.7 27.1 81.3

150 168.1 0.0 353.6

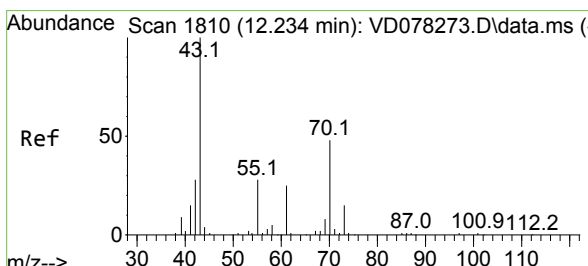
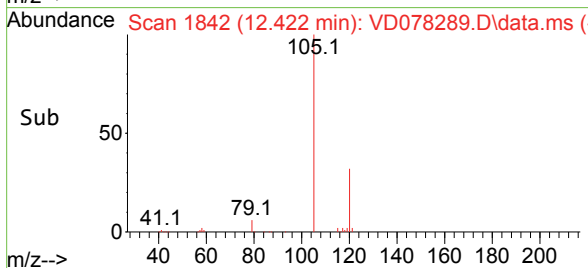
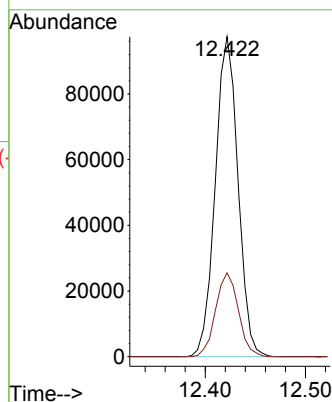
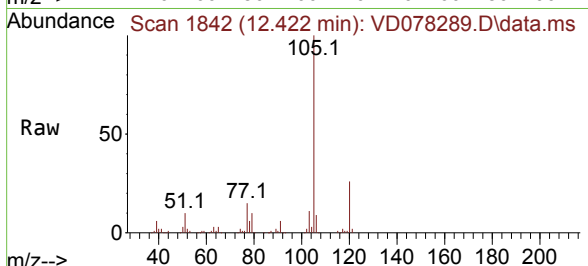




#73  
Isopropylbenzene  
Concen: 20.846 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

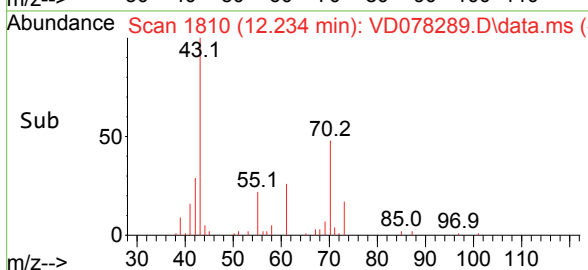
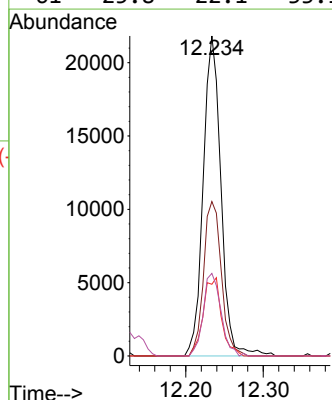
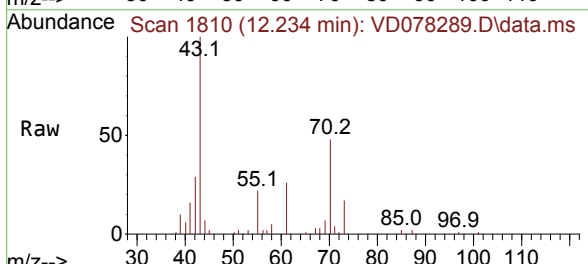
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

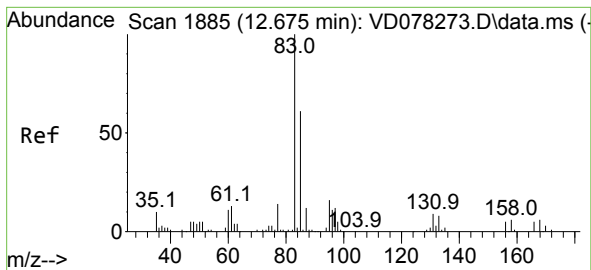
Tgt Ion:105 Resp: 153227  
Ion Ratio Lower Upper  
105 100  
120 26.2 14.3 42.9



#74  
N-ethyl acetate  
Concen: 22.871 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 43 Resp: 34769  
Ion Ratio Lower Upper  
43 100  
70 48.2 45.0 67.4  
55 25.2 23.8 35.6  
61 25.8 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.185 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

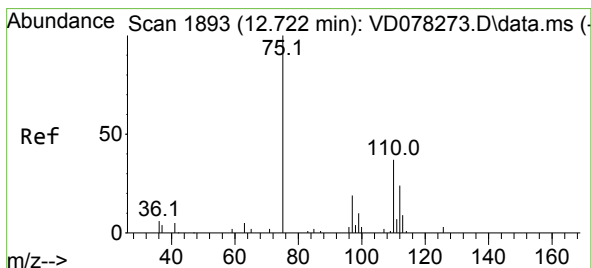
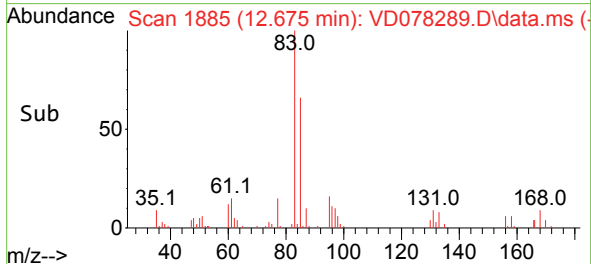
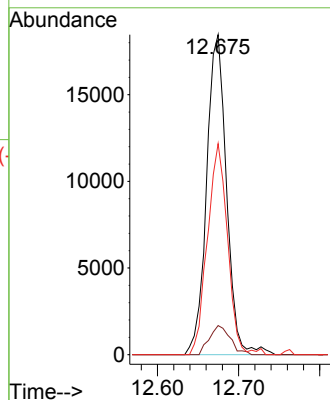
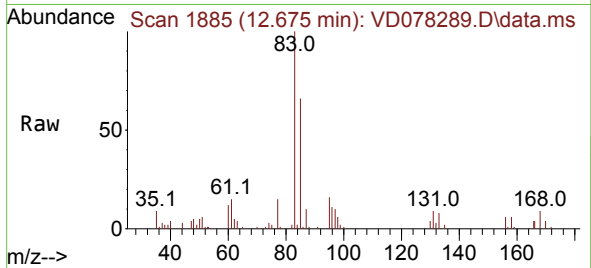
Tgt Ion: 83 Resp: 31491

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

85 66.7 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 43.210 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD078289.D

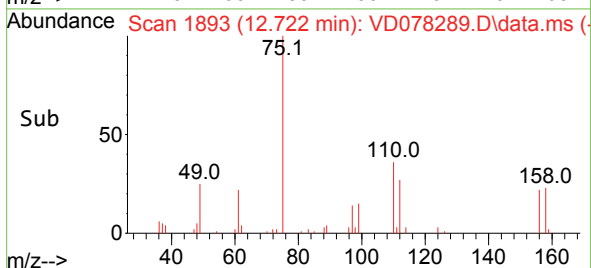
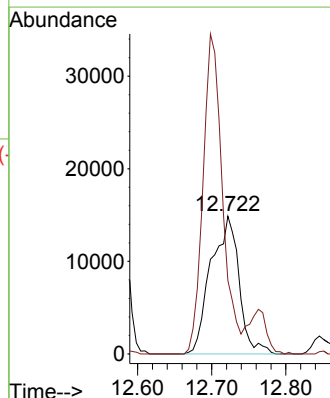
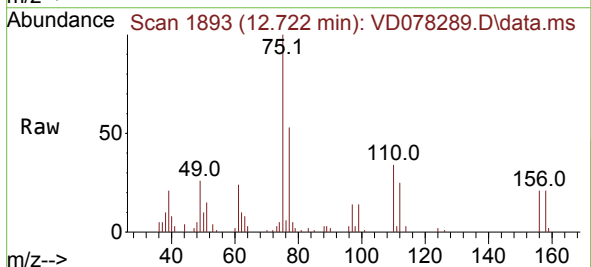
Acq: 31 Jan 2024 13:08

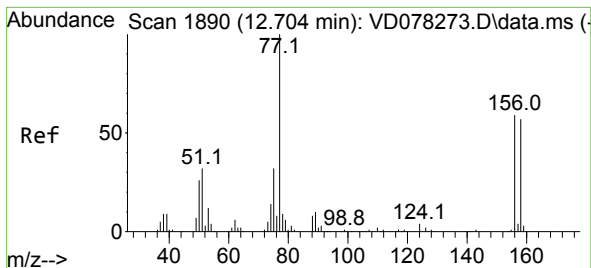
Tgt Ion: 75 Resp: 39235

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.619 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

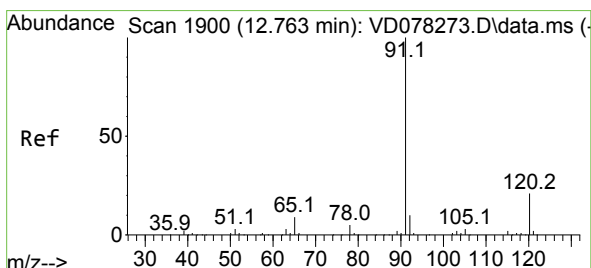
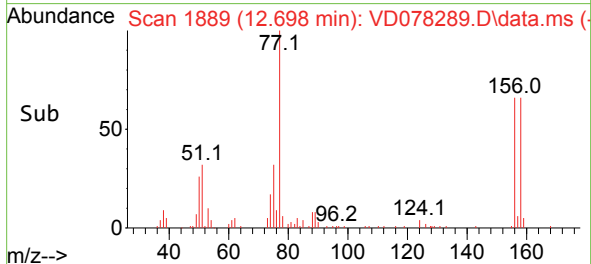
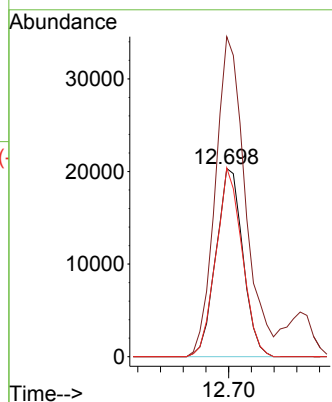
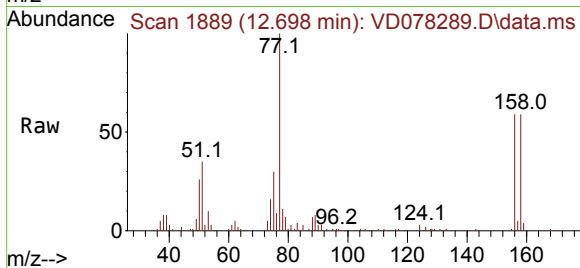
Tgt Ion:156 Resp: 33351

Ion Ratio Lower Upper

156 100

77 188.8 76.8 230.4

158 97.9 48.6 145.9



#78

n-propylbenzene

Concen: 21.280 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD078289.D

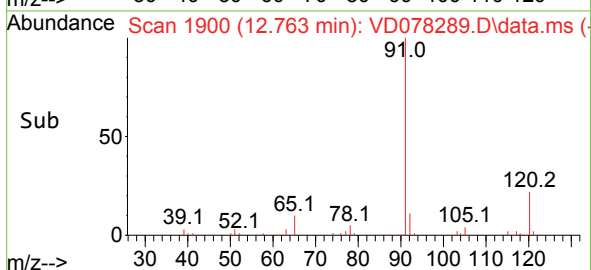
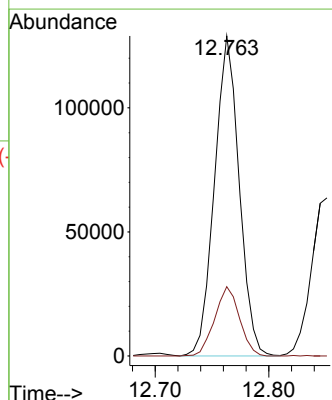
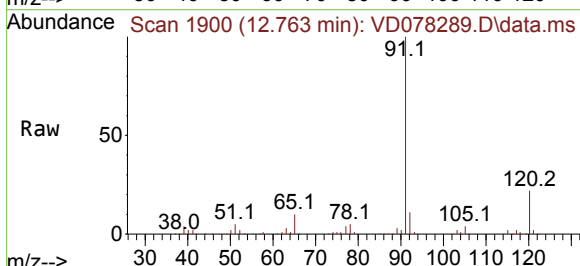
Acq: 31 Jan 2024 13:08

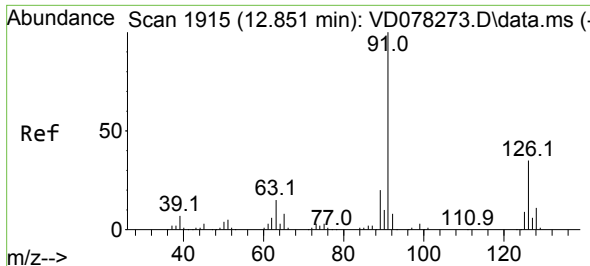
Tgt Ion: 91 Resp: 194846

Ion Ratio Lower Upper

91 100

120 21.7 12.4 37.2

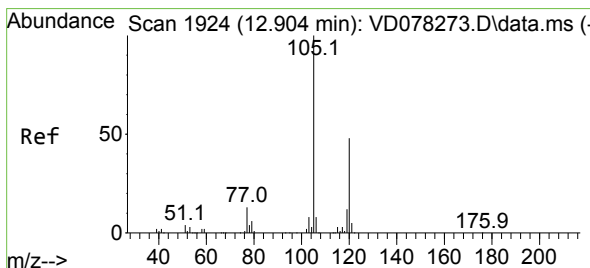
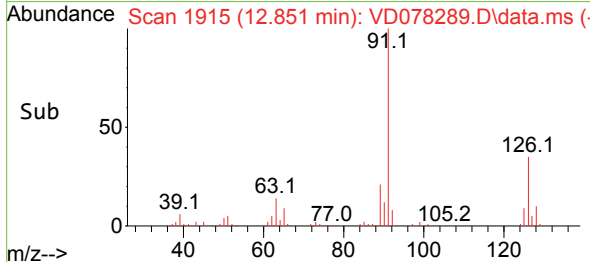
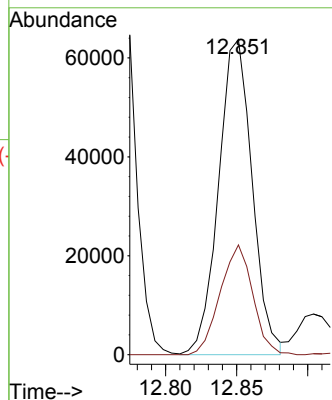
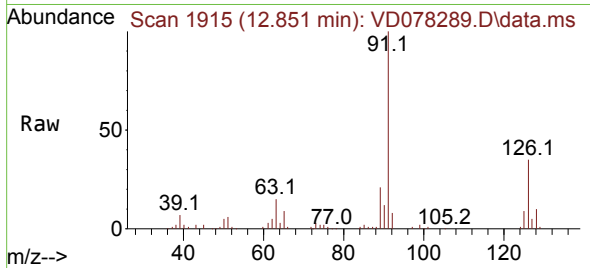




#79  
2-Chlorotoluene  
Concen: 21.389 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

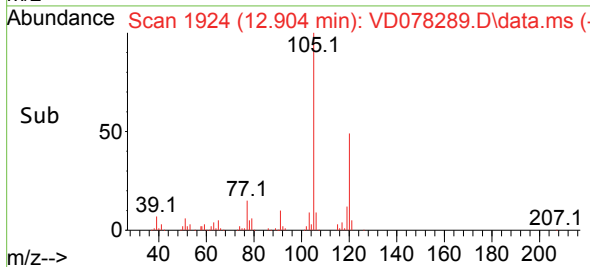
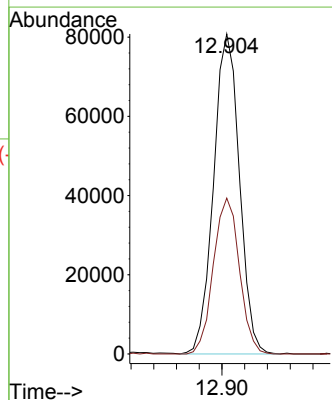
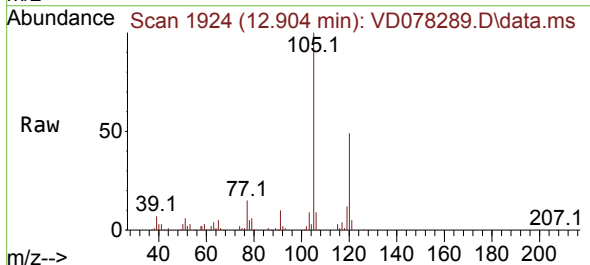
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

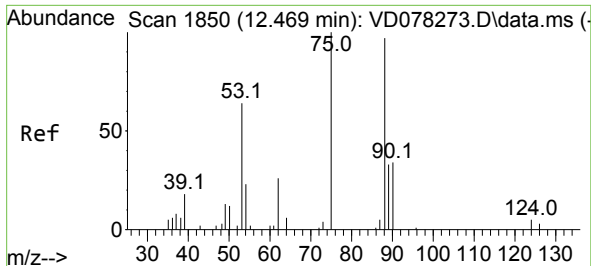
Tgt Ion: 91 Resp: 104835  
Ion Ratio Lower Upper  
91 100  
126 33.7 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 21.376 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 105 Resp: 127821  
Ion Ratio Lower Upper  
105 100  
120 48.9 26.4 79.2

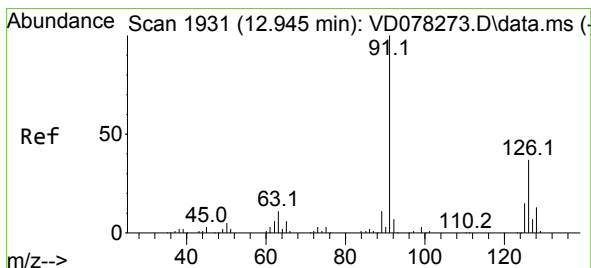
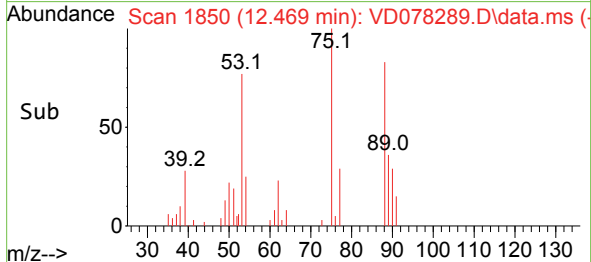
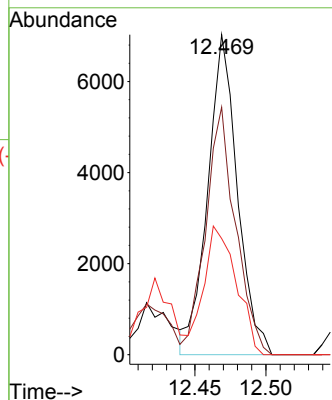
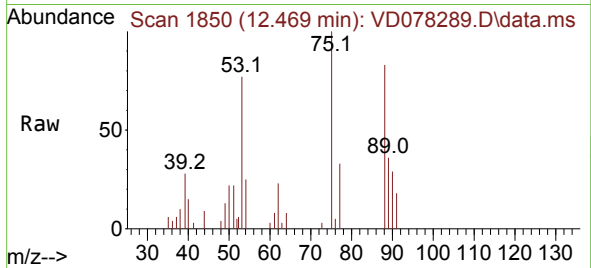




#81  
trans-1,4-Dichloro-2-butene  
Concen: 22.293 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

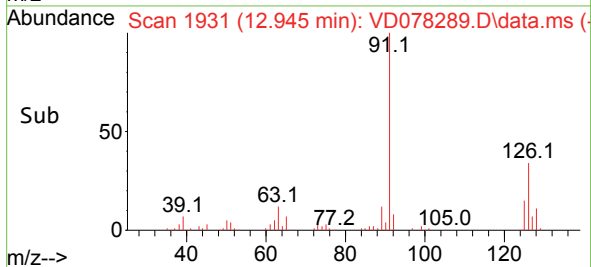
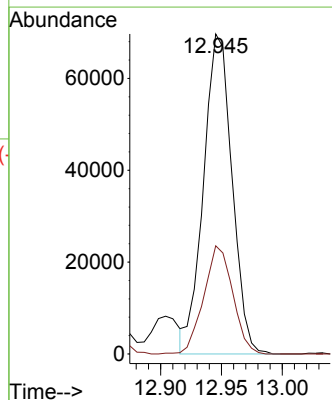
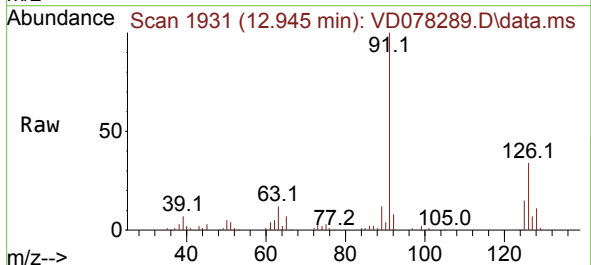
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

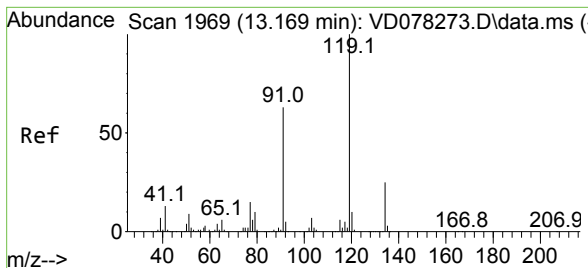
Tgt Ion: 75 Resp: 10178  
Ion Ratio Lower Upper  
75 100  
53 78.2 63.0 94.4  
89 43.9 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 21.748 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 91 Resp: 113643  
Ion Ratio Lower Upper  
91 100  
126 34.3 19.4 58.4

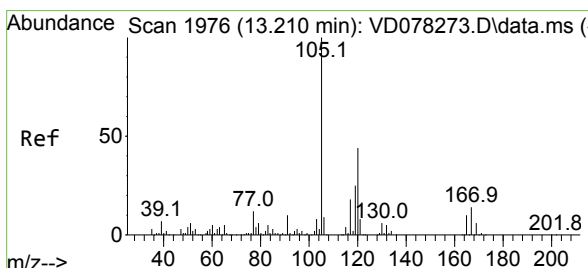
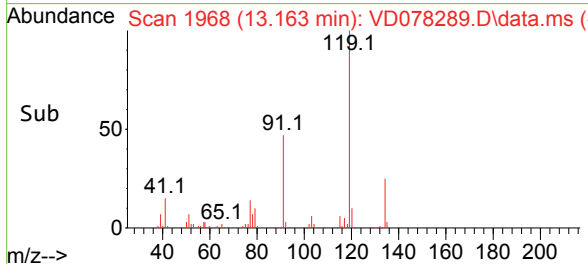
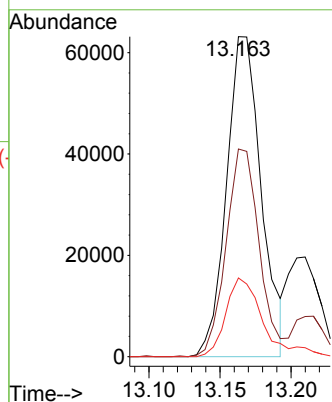
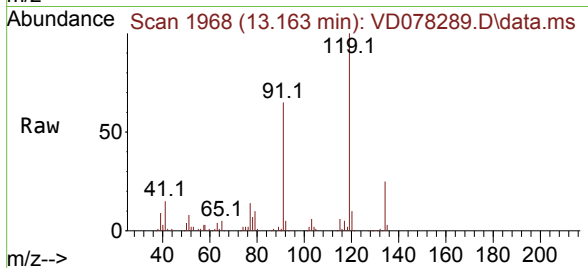




#83  
 tert-Butylbenzene  
 Concen: 21.077 ug/l  
 RT: 13.163 min Scan# 1968  
 Delta R.T. -0.006 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

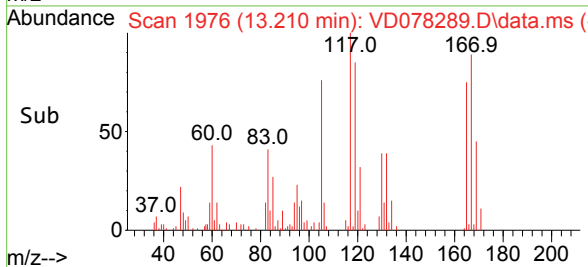
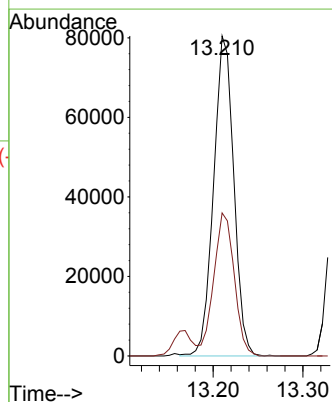
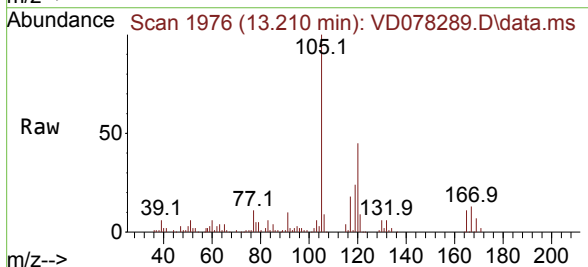
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBSD01

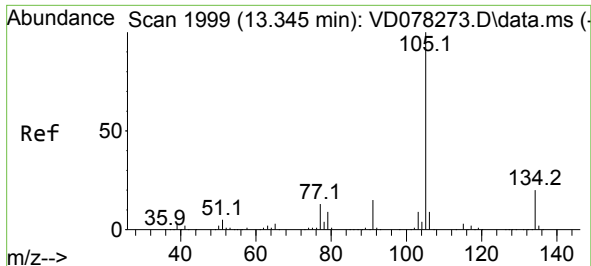
Tgt Ion:119 Resp: 107538  
 Ion Ratio Lower Upper  
 119 100  
 91 61.7 29.3 87.8  
 134 26.3 14.1 42.3



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.755 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. -0.000 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

Tgt Ion:105 Resp: 125566  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 24.3 72.9

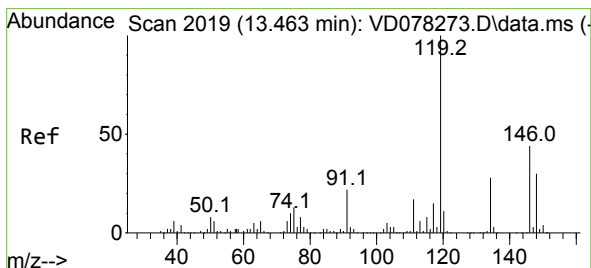
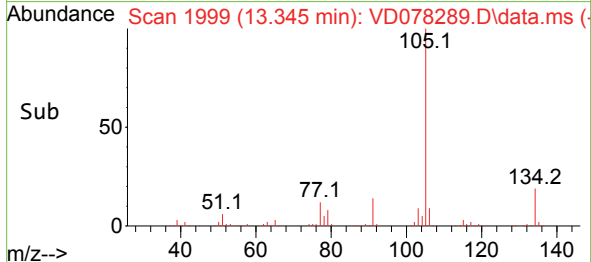
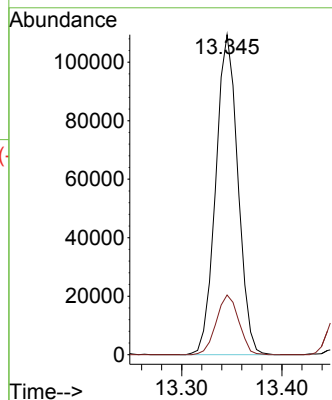
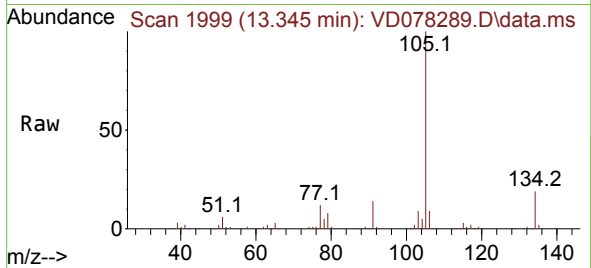




#85  
 sec-Butylbenzene  
 Concen: 20.972 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. -0.000 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

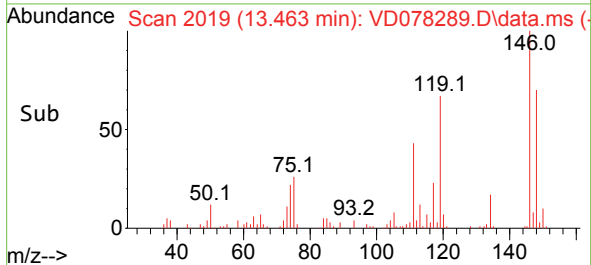
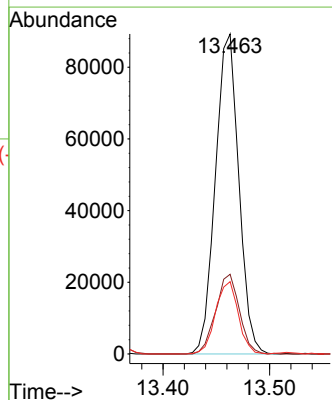
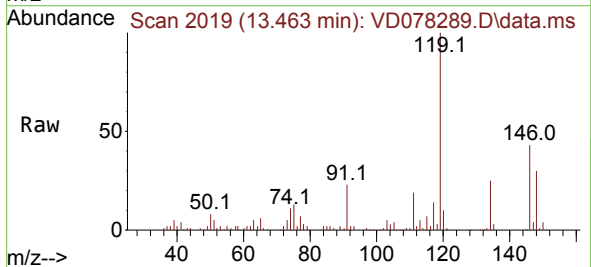
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0131SBSD01

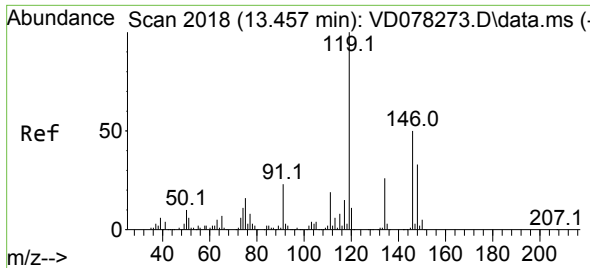
Tgt Ion:105 Resp: 167939  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 20.738 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VD078289.D  
 Acq: 31 Jan 2024 13:08

Tgt Ion:119 Resp: 136017  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 14.2 42.6  
 91 22.0 10.5 31.5

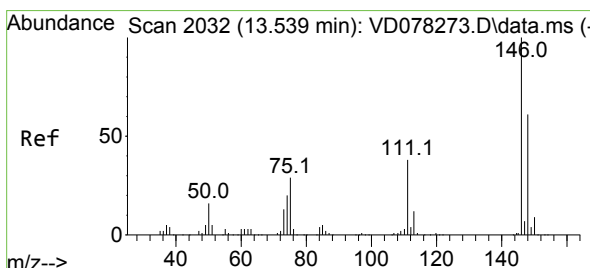
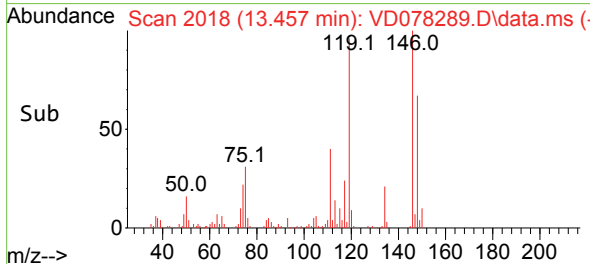
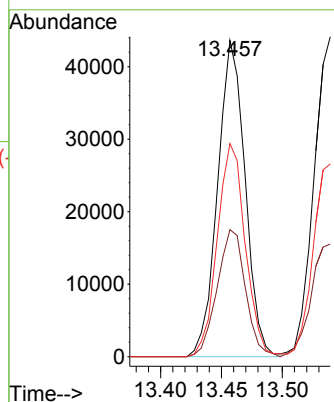
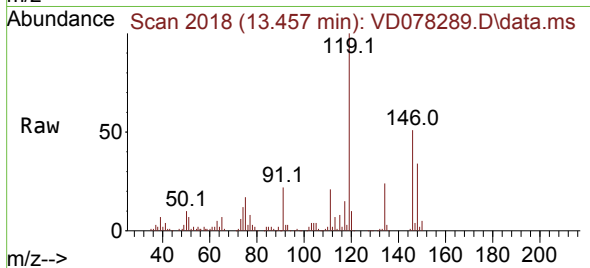




#87  
1,3-Dichlorobenzene  
Concen: 20.366 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

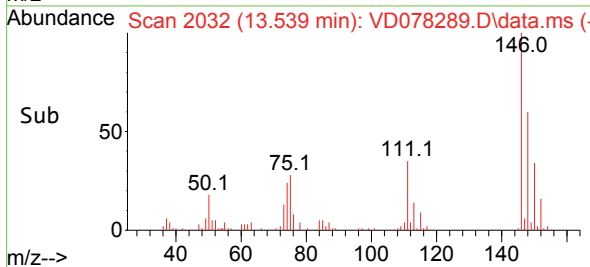
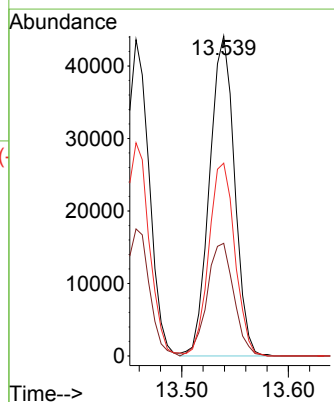
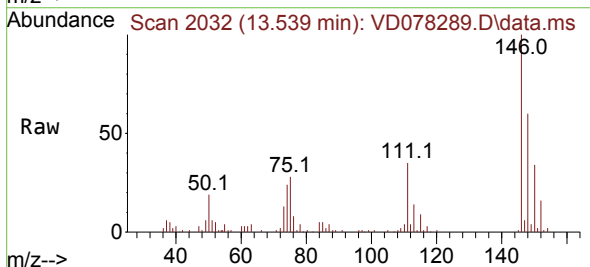
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

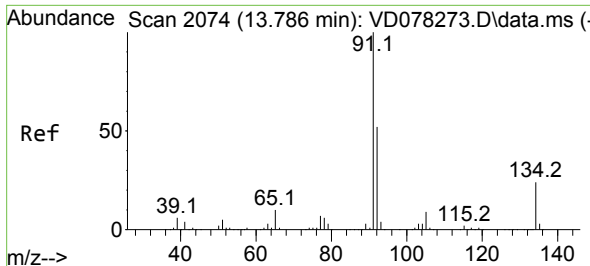
Tgt Ion:146 Resp: 68436  
Ion Ratio Lower Upper  
146 100  
111 41.3 17.9 53.8  
148 68.8 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 21.637 ug/l  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion:146 Resp: 71937  
Ion Ratio Lower Upper  
146 100  
111 37.7 17.4 52.3  
148 62.6 31.7 95.1

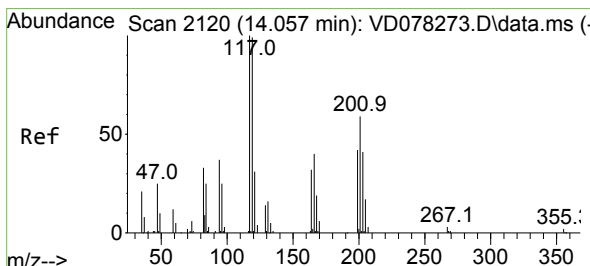
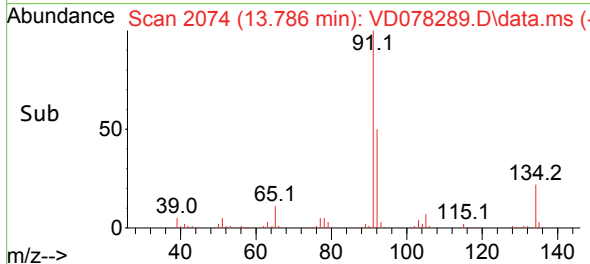
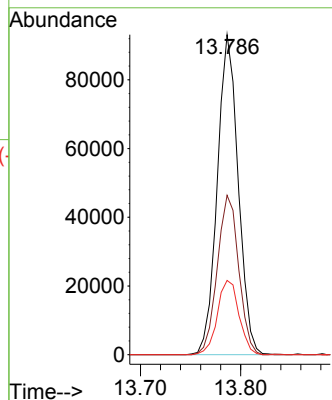
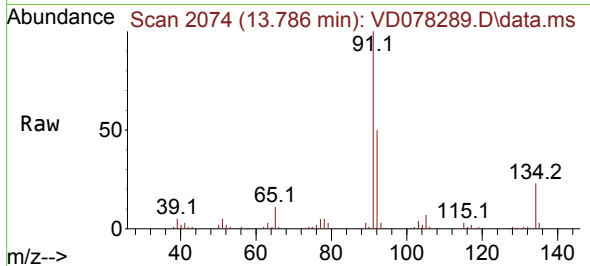




#89  
n-Butylbenzene  
Concen: 21.102 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

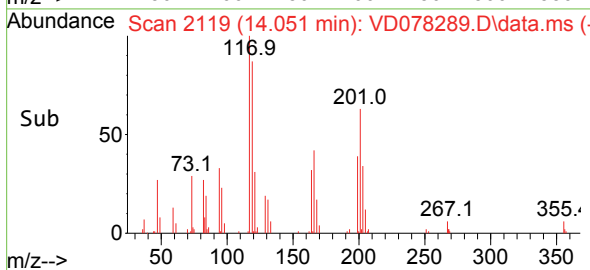
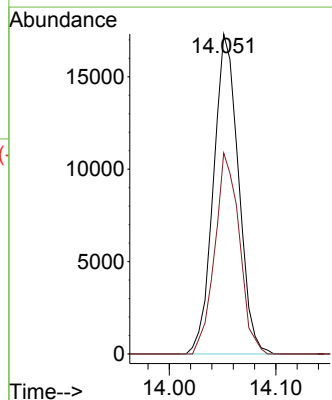
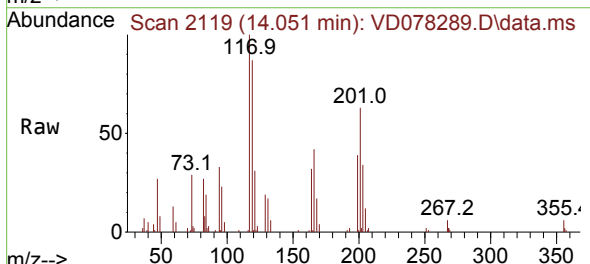
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

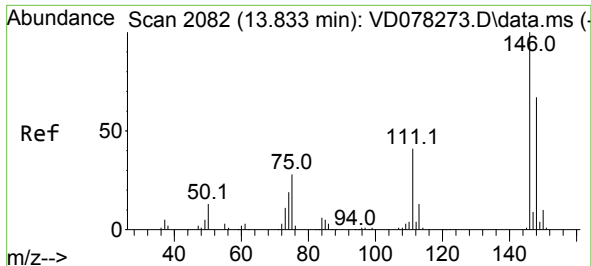
Tgt Ion: 91 Resp: 134869  
Ion Ratio Lower Upper  
91 100  
92 51.0 26.5 79.5  
134 24.0 13.8 41.3



#90  
Hexachloroethane  
Concen: 21.557 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 117 Resp: 28240  
Ion Ratio Lower Upper  
117 100  
201 61.7 38.5 115.5

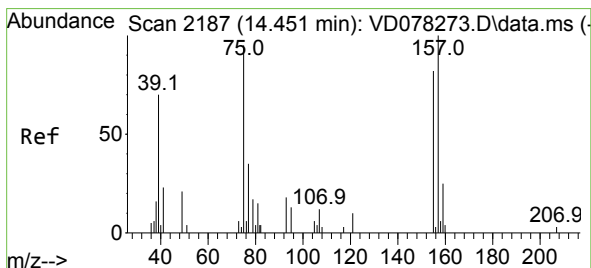
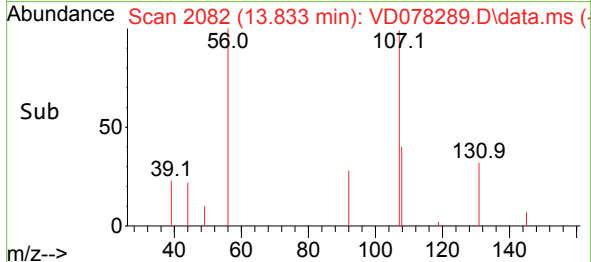
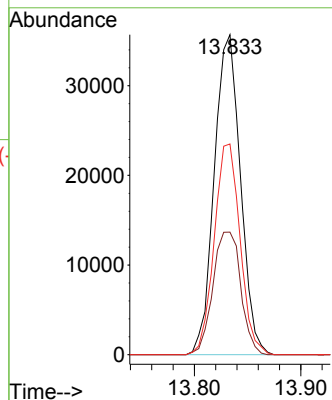
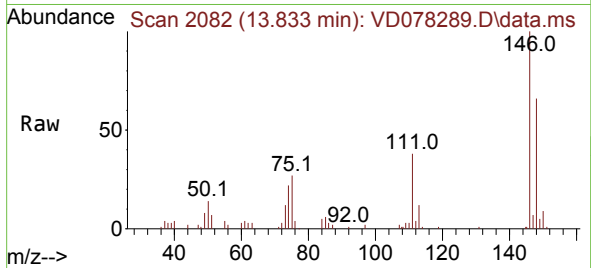




#91  
1,2-Dichlorobenzene  
Concen: 21.189 ug/l  
RT: 13.833 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

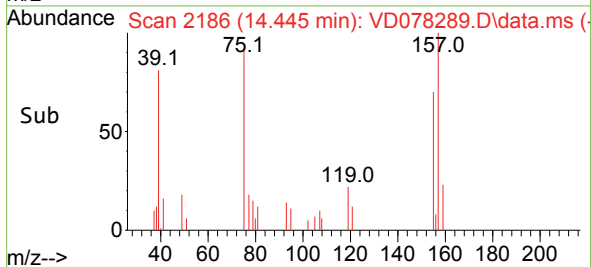
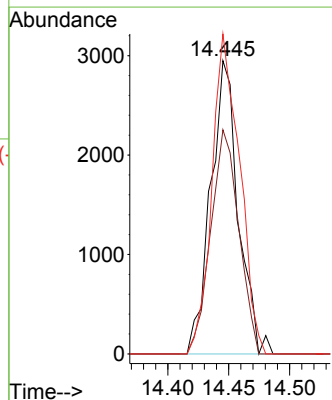
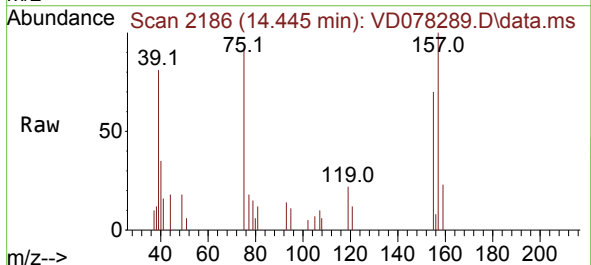
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

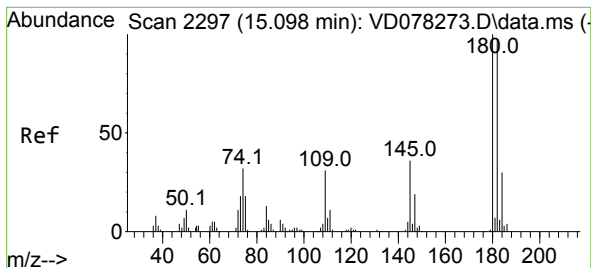
Tgt Ion:146 Resp: 60915  
Ion Ratio Lower Upper  
146 100  
111 40.8 18.3 54.8  
148 65.0 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 23.299 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Tgt Ion: 75 Resp: 4636  
Ion Ratio Lower Upper  
75 100  
155 77.8 47.9 143.8  
157 109.8 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 20.754 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0131SBSD01

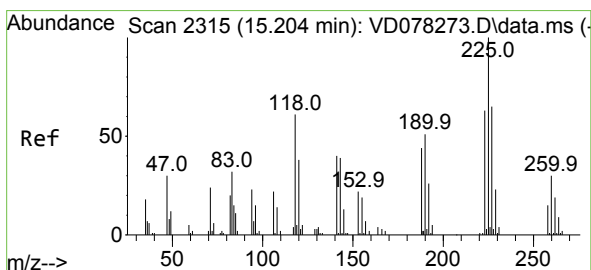
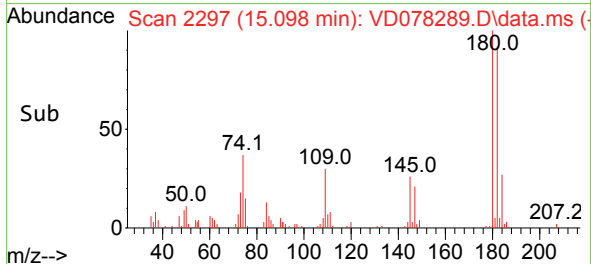
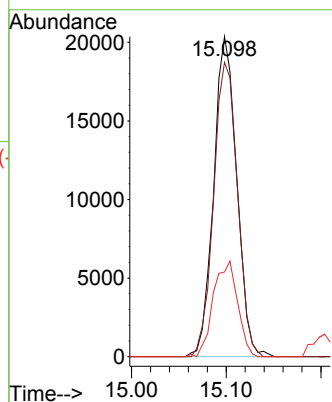
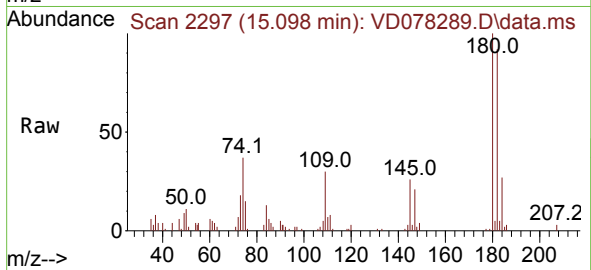
Tgt Ion:180 Resp: 34511

Ion Ratio Lower Upper

180 100

182 94.8 48.5 145.6

145 31.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 20.002 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD078289.D

Acq: 31 Jan 2024 13:08

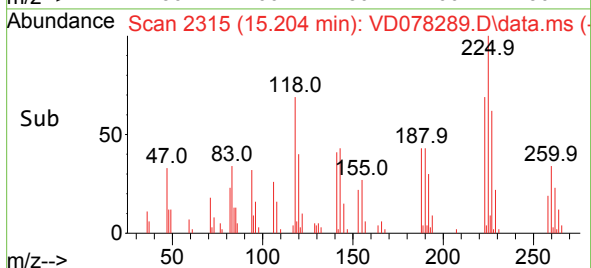
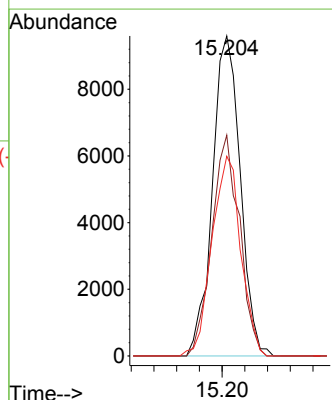
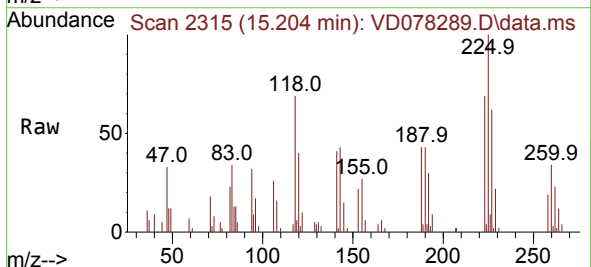
Tgt Ion:225 Resp: 16298

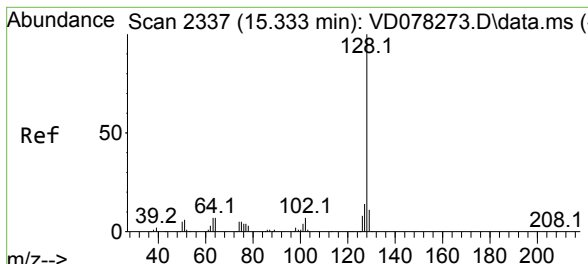
Ion Ratio Lower Upper

225 100

223 68.7 31.6 94.8

227 64.9 31.7 95.1

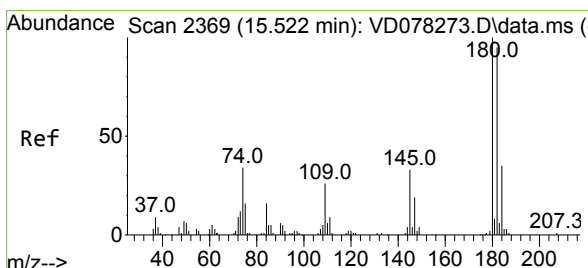
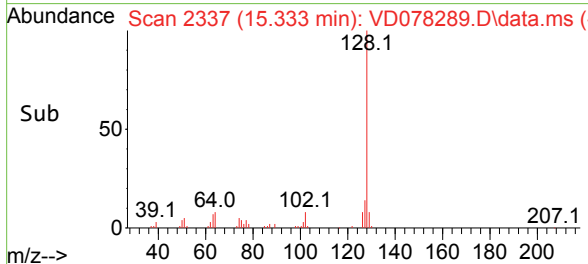
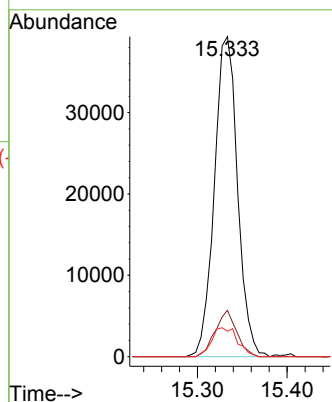
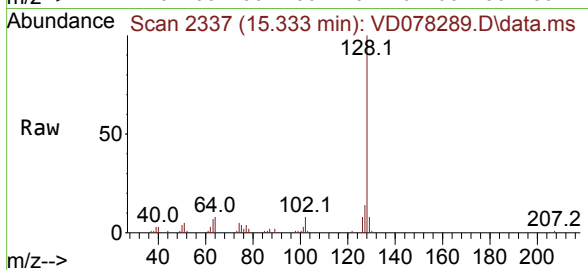




#95  
Naphthalene  
Concen: 21.308 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0131SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 70646 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.5  | 10.5  | 15.7  |
| 129       | 7.9   | 8.7   | 13.1# |



#96  
1,2,3-Trichlorobenzene  
Concen: 21.299 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD078289.D  
Acq: 31 Jan 2024 13:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 31184 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.8  | 47.3  | 141.9 |
| 145       | 31.7  | 15.1  | 45.3  |

