

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101424\  
 Data File : VD079970.D  
 Acq On : 14 Oct 2024 10:16  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 15 03:10:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 154668   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 249327   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 230908   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 128702   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 89425    | 50.827   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.660% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 88263    | 49.047   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.100%  |
| 50) Toluene-d8              | 10.269 | 98    | 318194   | 49.618   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.240%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 117826   | 52.634   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 105.260% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 72575  | 47.741  | ug/l   | 99  |
| 3) Chloromethane             | 2.152 | 50  | 73707  | 47.207  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.287 | 62  | 93909  | 48.375  | ug/l   | 99  |
| 5) Bromomethane              | 2.693 | 94  | 70127  | 41.992  | ug/l   | 99  |
| 6) Chloroethane              | 2.840 | 64  | 61582  | 46.468  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 154213 | 50.704  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.593 | 74  | 47500  | 56.856  | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.969 | 101 | 94514  | 50.596  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.163 | 142 | 92904  | 50.720  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 31349  | 291.314 | ug/l # | 83  |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 81908  | 49.289  | ug/l   | 96  |
| 13) Acrolein                 | 3.799 | 56  | 23538  | 203.999 | ug/l   | 99  |
| 14) Allyl chloride           | 4.563 | 41  | 131748 | 53.375  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.246 | 53  | 114318 | 286.372 | ug/l   | 99  |
| 16) Acetone                  | 4.022 | 43  | 132486 | 290.510 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.275 | 76  | 212436 | 45.860  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.563 | 43  | 55148  | 56.333  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 225991 | 58.882  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.799 | 84  | 105639 | 55.306  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.310 | 96  | 94975  | 53.224  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.216 | 45  | 311791 | 58.245  | ug/l # | 97  |
| 23) Vinyl Acetate            | 6.152 | 43  | 912470 | 303.376 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.110 | 63  | 183080 | 51.911  | ug/l   | 100 |
| 25) 2-Butanone               | 7.081 | 43  | 164080 | 295.468 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 159971 | 52.425  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 118117 | 53.229  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.422 | 49  | 75401  | 50.091  | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 91654  | 308.606 | ug/l   | 98  |
| 30) Chloroform               | 7.593 | 83  | 194515 | 52.067  | ug/l   | 96  |
| 31) Cyclohexane              | 7.875 | 56  | 129536 | 48.453  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 159923 | 51.676  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 123241 | 51.097  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.169 | 43  | 63887  | 54.714  | ug/l # | 96  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 134783 | 50.288  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.275 | 83  | 140913 | 52.064  | ug/l   | 96  |
| 40) Benzene                  | 8.251 | 78  | 396761 | 52.019  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 15 03:10:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 36392    | 59.346   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 112867   | 53.809   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 121678   | 56.562   | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 95369    | 50.545   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 105622   | 54.610   | ug/l   | 95       |
| 46) Dibromomethane            | 9.393  | 93   | 58821    | 55.119   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.587  | 83   | 152630   | 53.928   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 58381    | 60.249   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 14105    | 1202.870 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 338090   | 307.195  | ug/l   | 100      |
| 52) Toluene                   | 10.334 | 92   | 250681   | 53.680   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 138410   | 55.847   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 159610   | 54.578   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 80697    | 53.834   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 105999   | 60.529   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 133585   | 55.219   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 201370   | 310.753  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 248872   | 305.318  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 103464   | 53.123   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 73540    | 53.305   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 83278    | 51.133   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 285949   | 53.211   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 101825   | 52.743   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 493431   | 54.287   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 382668   | 109.703  | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 178913   | 55.436   | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 325040   | 56.597   | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 62622    | 53.937   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 491255   | 56.109   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 122494   | 57.847   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 97289    | 54.805   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 123295   | 86.834   | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 119497   | 52.756   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.763 | 91   | 595742   | 54.731   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 338855   | 53.583   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 399219   | 54.102   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 36703    | 57.687   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 365152   | 53.747   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 356767   | 56.411   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 416219   | 56.170   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 531799   | 54.711   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 452987   | 55.862   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 244566   | 52.774   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 243682   | 52.629   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 437621   | 55.797   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.051 | 117  | 90615    | 50.554   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 214546   | 52.996   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 15254    | 51.463   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 140776   | 55.489   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 75869    | 54.306   | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 269941   | 59.661   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 128562   | 57.181   | ug/l   | 99       |

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Operator : RP/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

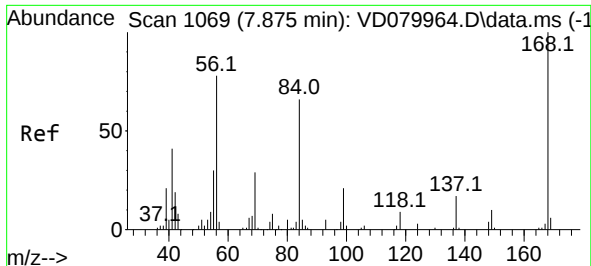
Quant Time: Oct 15 03:10:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 03:20:54 2024  
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 15 03:10:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 03:20:54 2024  
Response via : Initial Calibration

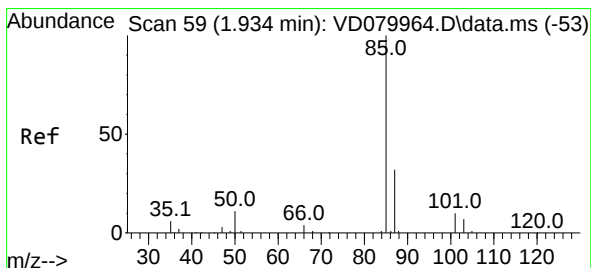
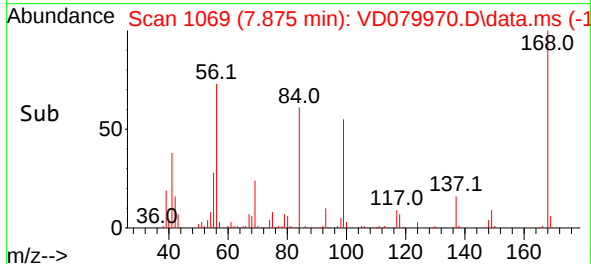
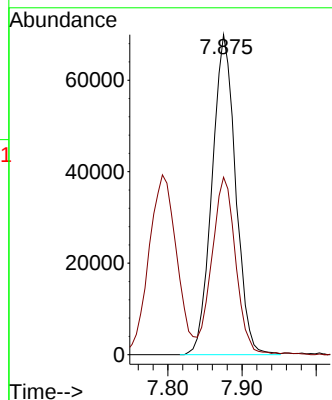
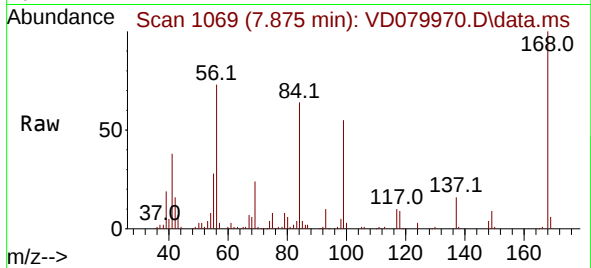




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

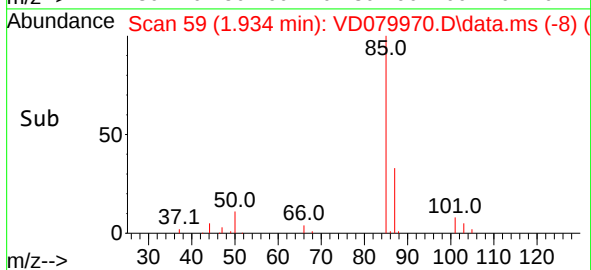
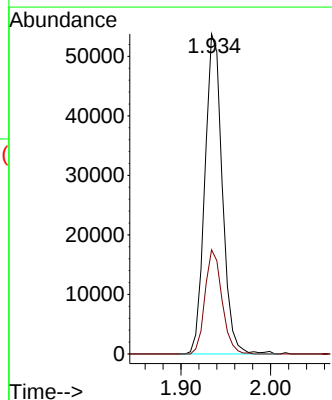
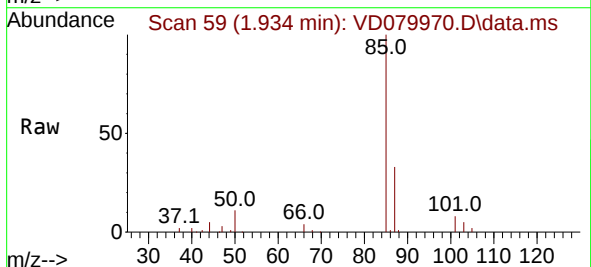
Instrument :  
MSVOA\_D  
ClientSampleId :

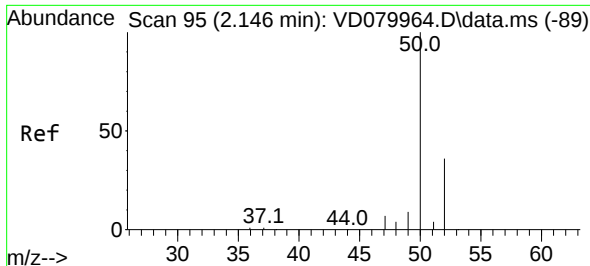
Tgt Ion:168 Resp: 154668  
Ion Ratio Lower Upper  
168 100  
99 55.1 46.0 69.0



#2  
Dichlorodifluoromethane  
Concen: 47.741 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 85 Resp: 72575  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.1 48.2

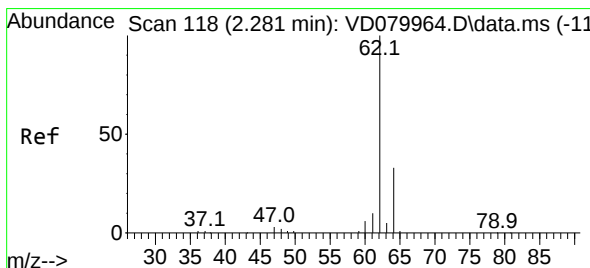
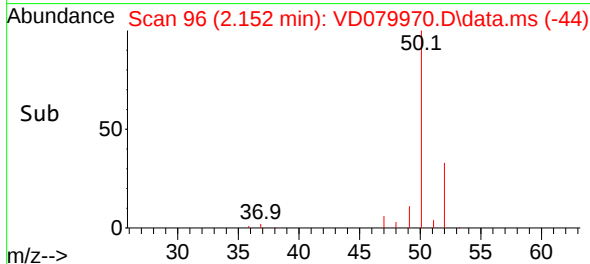
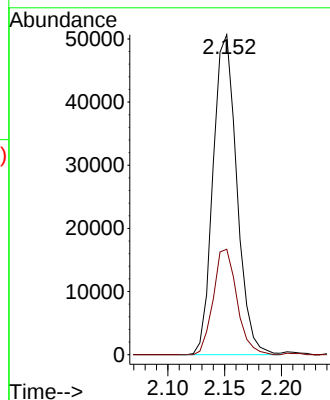
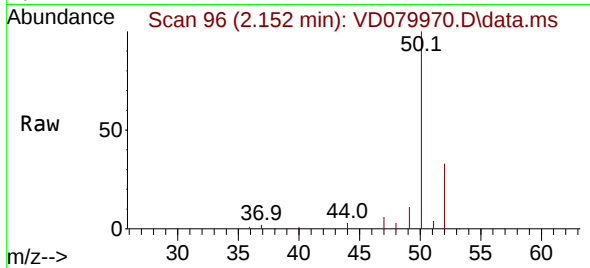




#3  
Chloromethane  
Concen: 47.207 ug/l  
RT: 2.152 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

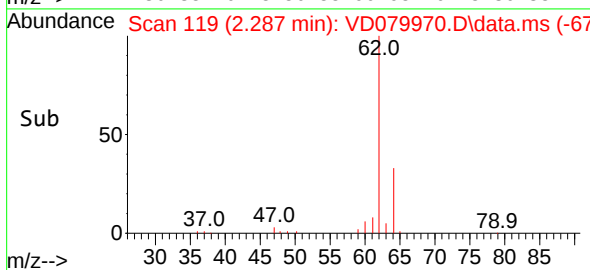
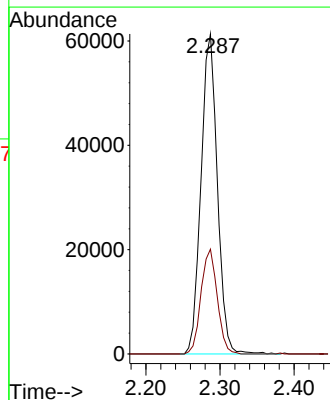
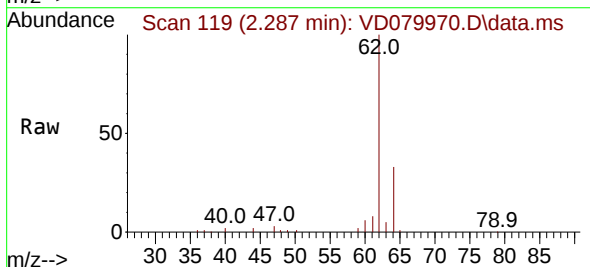
Instrument :  
MSVOA\_D  
ClientSampleId :

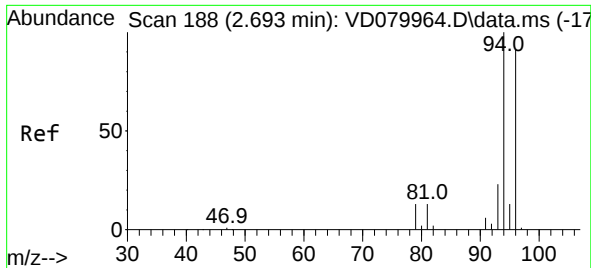
Tgt Ion: 50 Resp: 73707  
Ion Ratio Lower Upper  
50 100  
52 32.9 28.8 43.2



#4  
Vinyl Chloride  
Concen: 48.375 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 62 Resp: 93909  
Ion Ratio Lower Upper  
62 100  
64 32.7 26.5 39.7

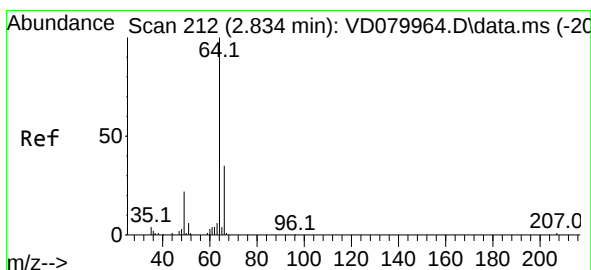
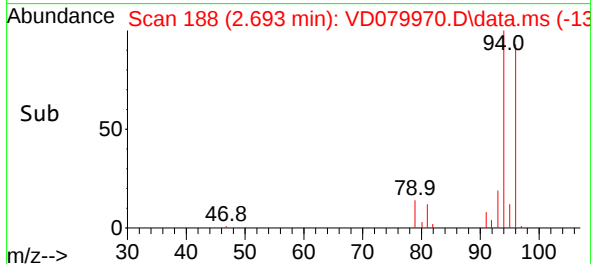
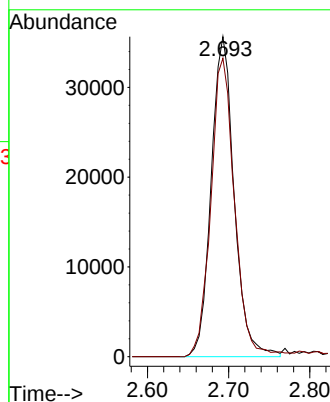
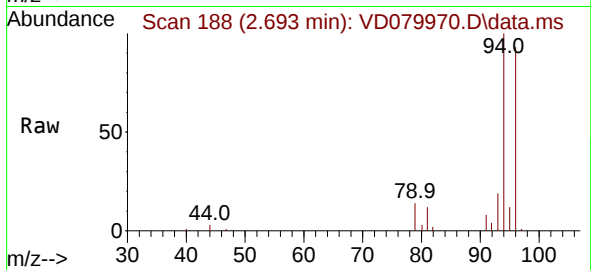




#5  
Bromomethane  
Concen: 41.992 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

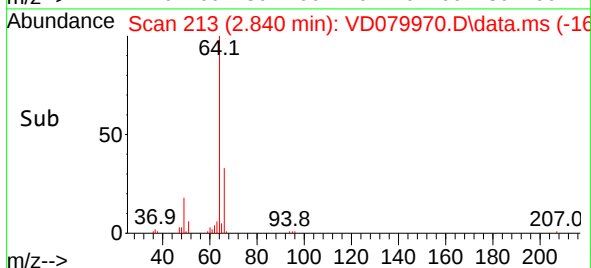
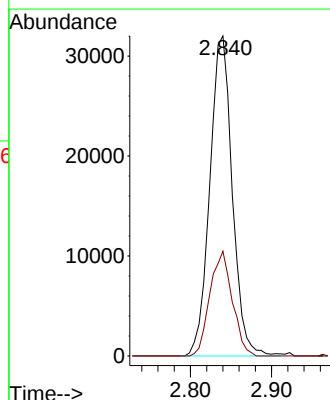
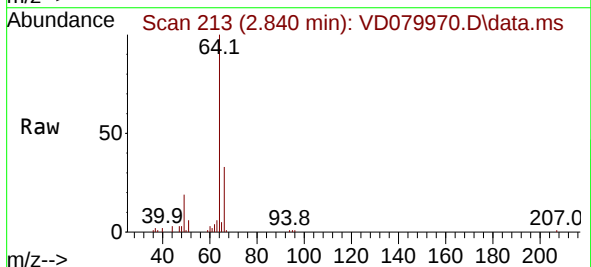
Instrument :  
MSVOA\_D  
ClientSampleId :

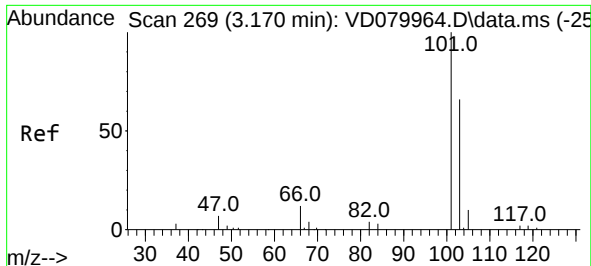
Tgt Ion: 94 Resp: 70127  
Ion Ratio Lower Upper  
94 100  
96 96.4 76.2 114.2



#6  
Chloroethane  
Concen: 46.468 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 64 Resp: 61582  
Ion Ratio Lower Upper  
64 100  
66 32.7 27.6 41.4

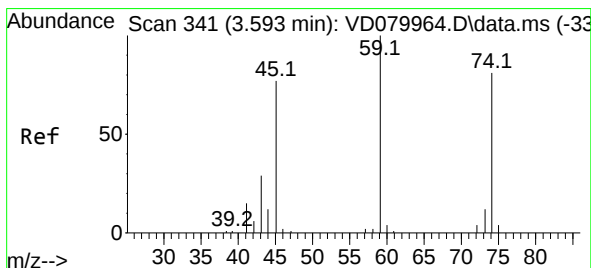
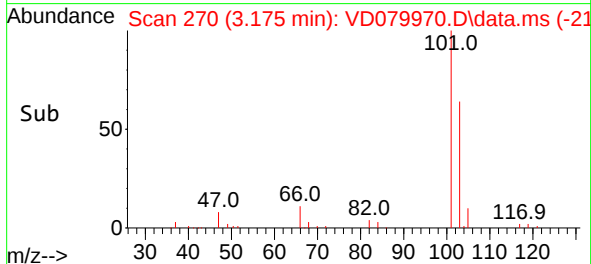
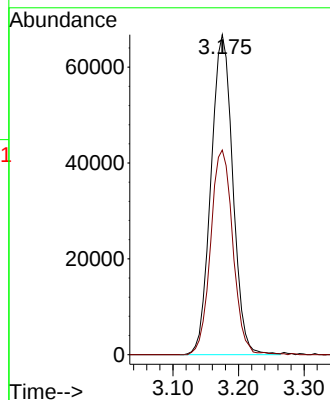
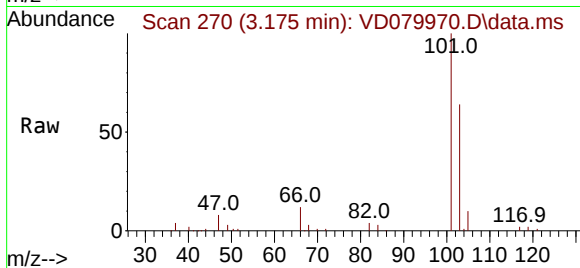




#7  
Trichlorofluoromethane  
Concen: 50.704 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

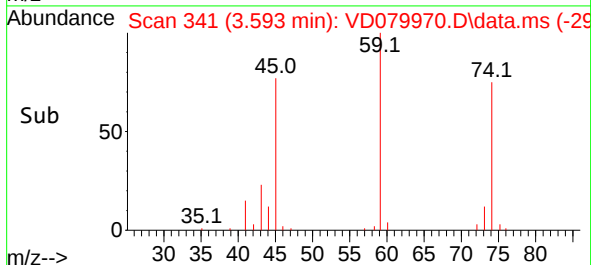
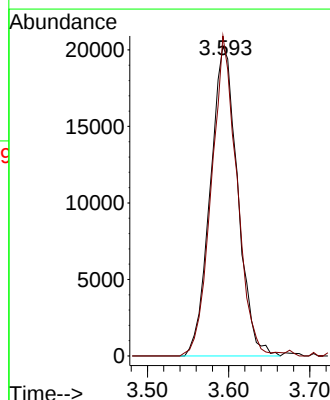
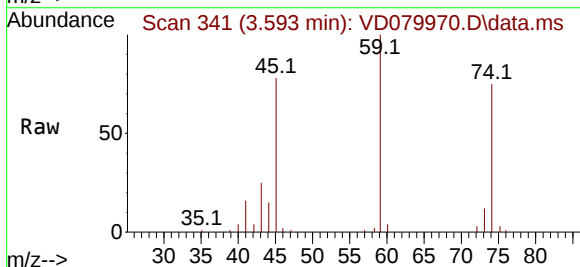
Instrument :  
MSVOA\_D  
ClientSampleId :

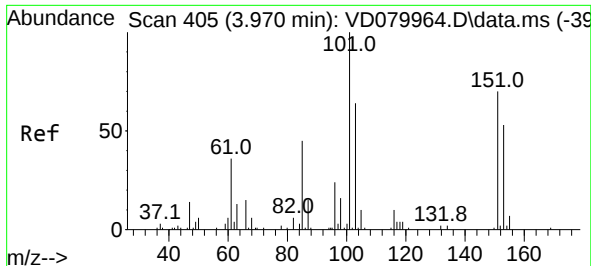
Tgt Ion:101 Resp: 154213  
Ion Ratio Lower Upper  
101 100  
103 63.9 53.0 79.6



#8  
Diethyl Ether  
Concen: 56.856 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 74 Resp: 47500  
Ion Ratio Lower Upper  
74 100  
45 96.0 47.8 143.3

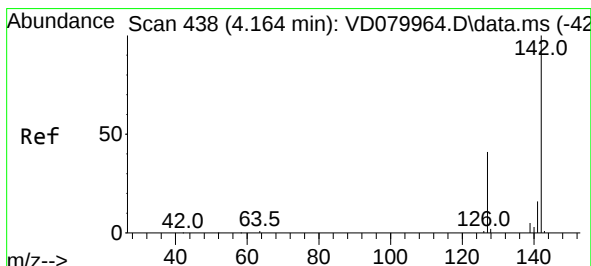
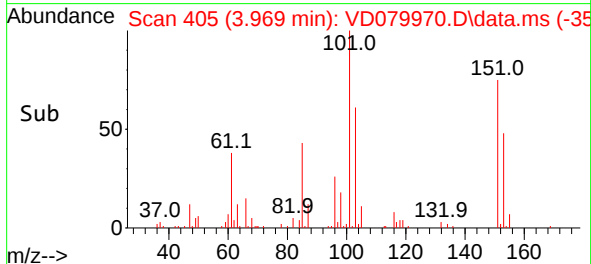
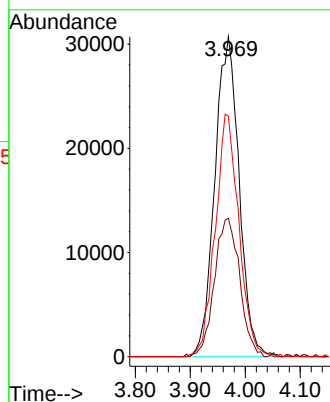
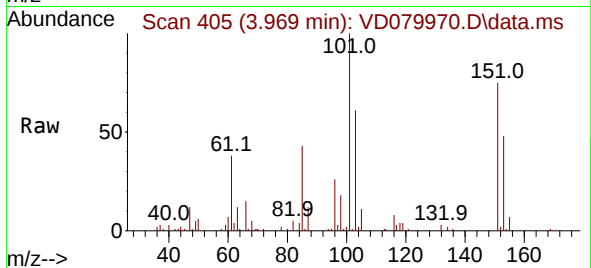




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.596 ug/l  
RT: 3.969 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

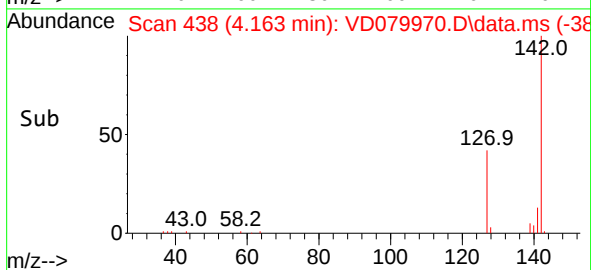
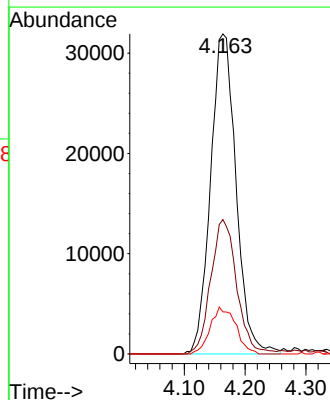
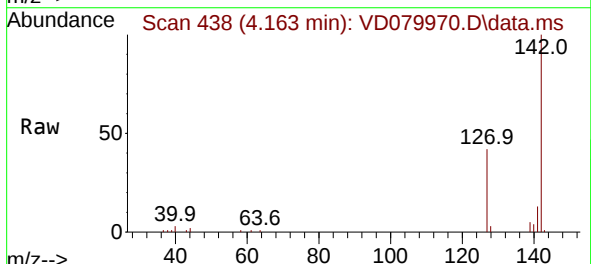
Instrument :  
MSVOA\_D  
ClientSampleId :

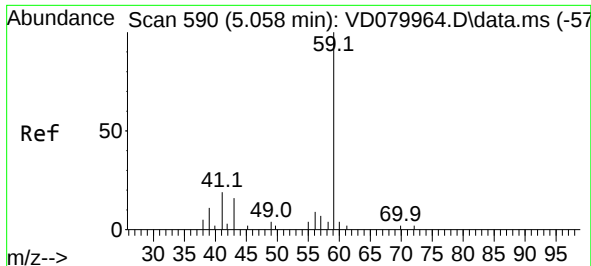
Tgt Ion:101 Resp: 94514  
Ion Ratio Lower Upper  
101 100  
85 44.8 35.3 52.9  
151 73.4 60.3 90.5



#10  
Methyl Iodide  
Concen: 50.720 ug/l  
RT: 4.163 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

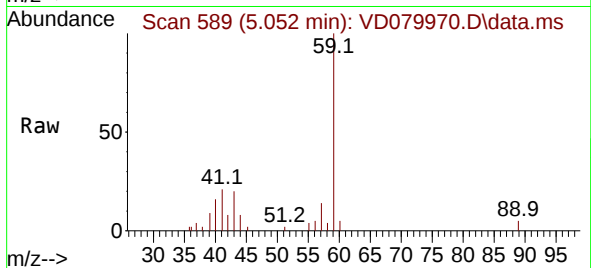
Tgt Ion:142 Resp: 92904  
Ion Ratio Lower Upper  
142 100  
127 42.6 35.3 52.9  
141 14.6 12.2 18.2



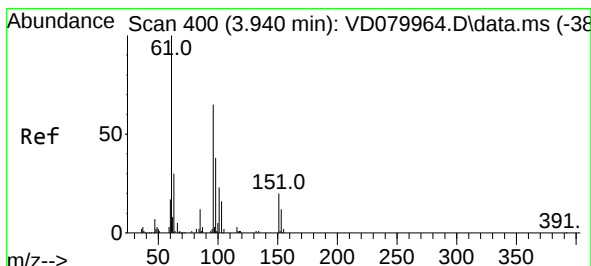
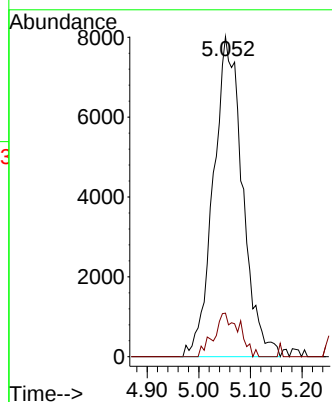
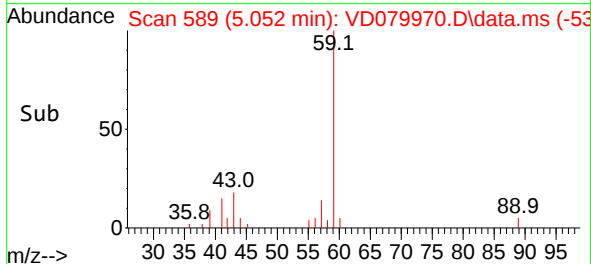


#11  
Tert butyl alcohol  
Concen: 291.314 ug/l  
RT: 5.052 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

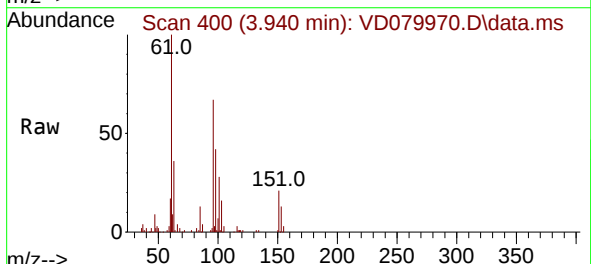
Instrument :  
MSVOA\_D  
ClientSampleId :



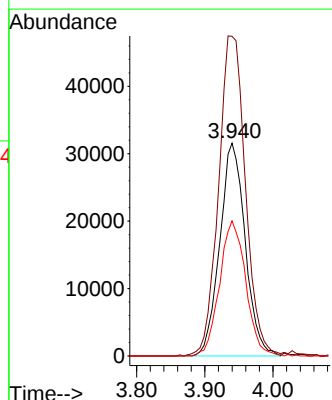
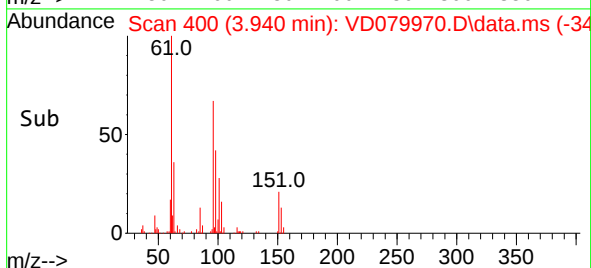
Tgt Ion: 59 Resp: 31349  
Ion Ratio Lower Upper  
59 100  
57 11.9 4.8 7.2#

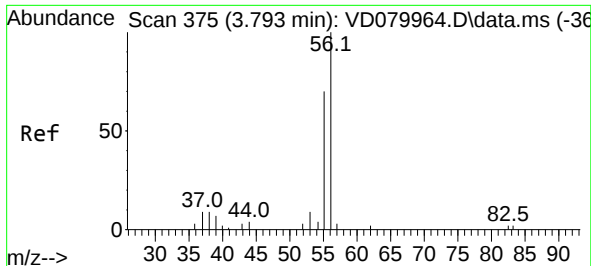


#12  
1,1-Dichloroethene  
Concen: 49.289 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16



Tgt Ion: 96 Resp: 81908  
Ion Ratio Lower Upper  
96 100  
61 149.7 122.6 184.0  
98 63.4 47.1 70.7





#13

Acrolein

Concen: 203.999 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

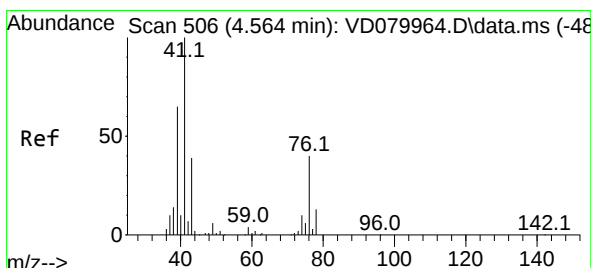
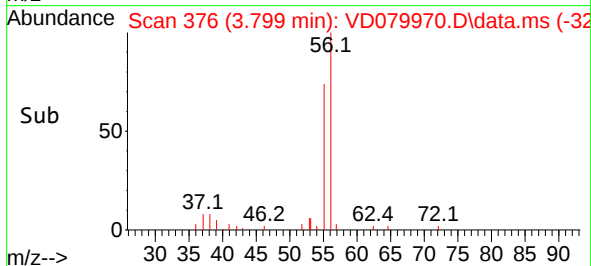
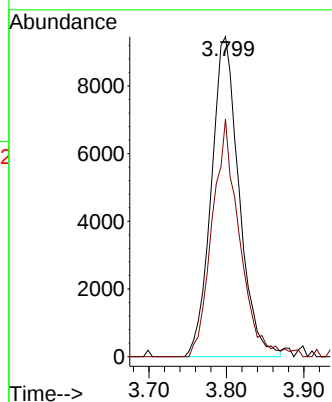
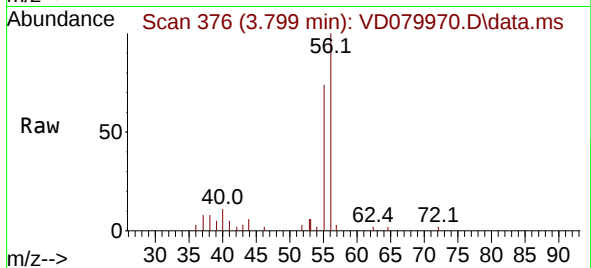
ClientSampleId :

Tgt Ion: 56 Resp: 23538

Ion Ratio Lower Upper

56 100

55 73.2 58.2 87.2



#14

Allyl chloride

Concen: 53.375 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

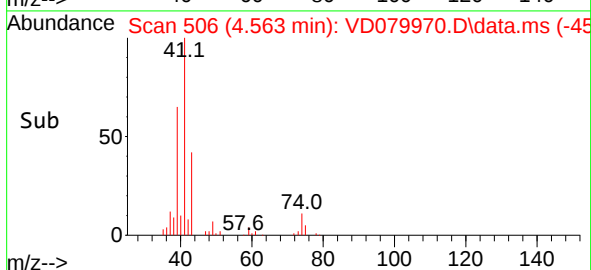
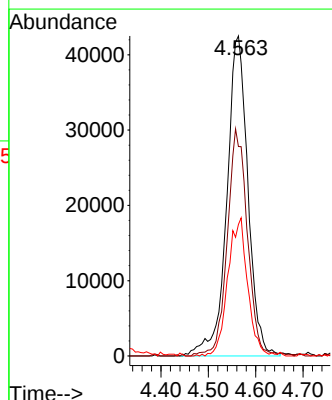
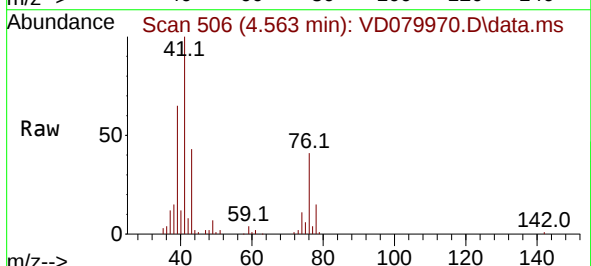
Tgt Ion: 41 Resp: 131748

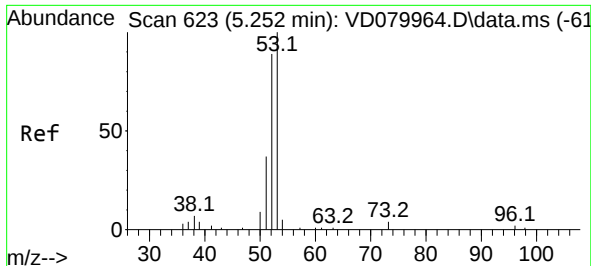
Ion Ratio Lower Upper

41 100

39 67.3 53.3 79.9

76 40.5 32.0 48.0

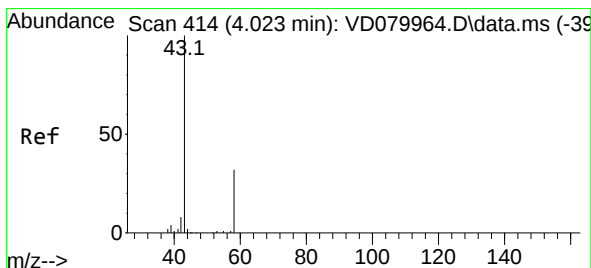
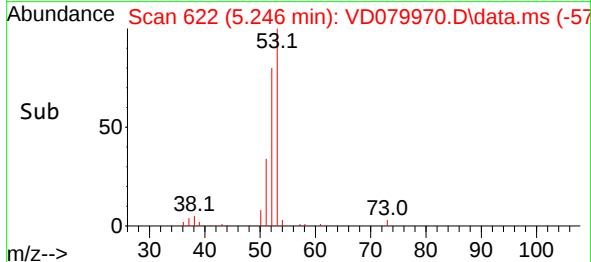
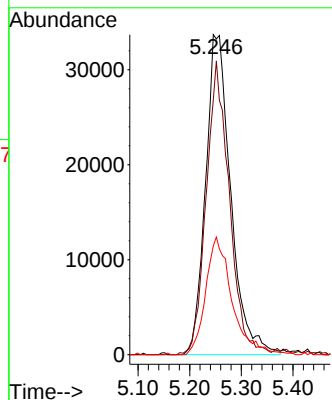
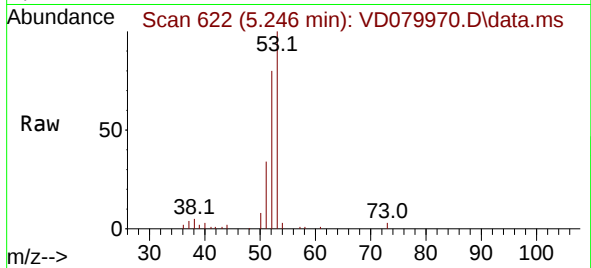




#15  
Acrylonitrile  
Concen: 286.372 ug/l  
RT: 5.246 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

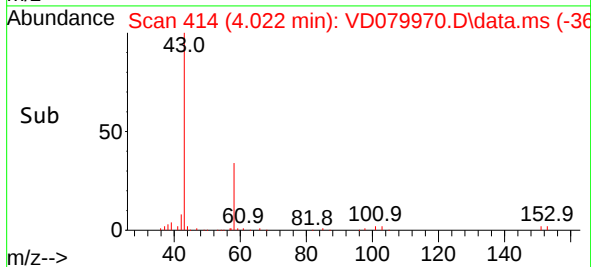
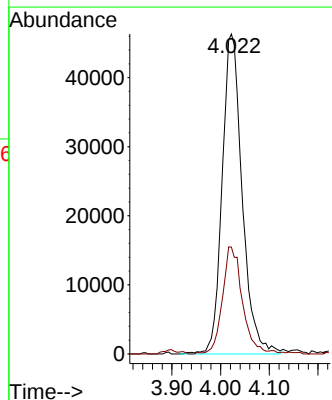
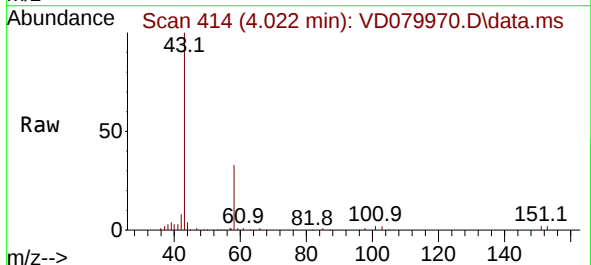
Instrument :  
MSVOA\_D  
ClientSampleId :

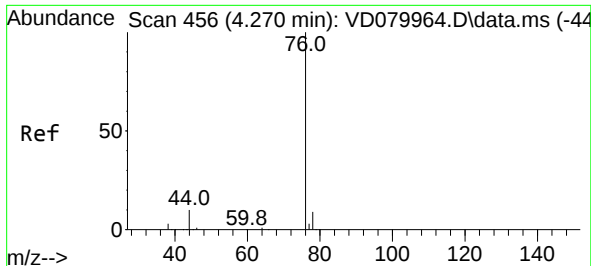
Tgt Ion: 53 Resp: 114318  
Ion Ratio Lower Upper  
53 100  
52 83.8 66.2 99.4  
51 38.4 30.3 45.5



#16  
Acetone  
Concen: 290.510 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 43 Resp: 132486  
Ion Ratio Lower Upper  
43 100  
58 32.9 25.4 38.2

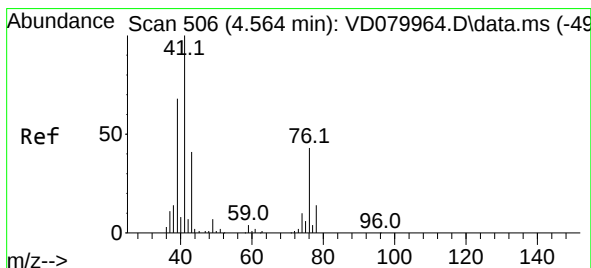
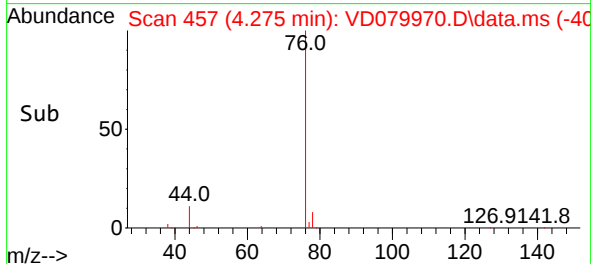
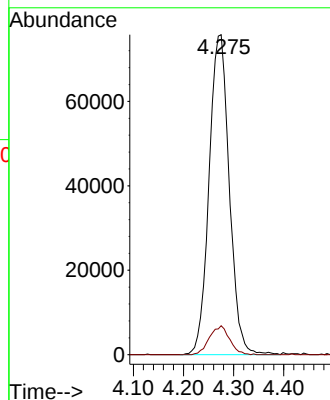
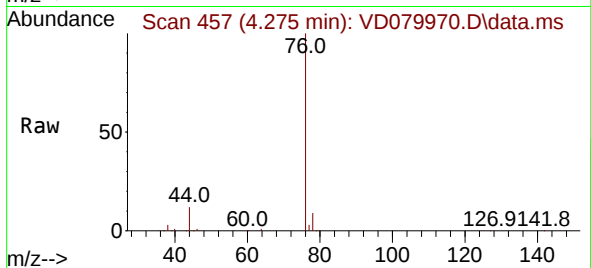




#17  
Carbon Disulfide  
Concen: 45.860 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

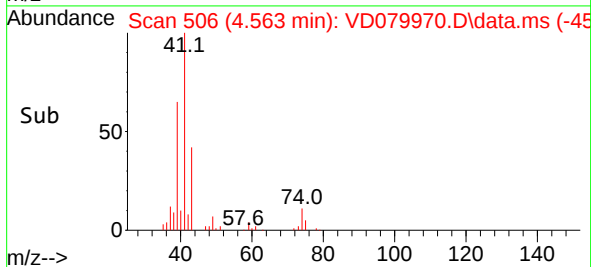
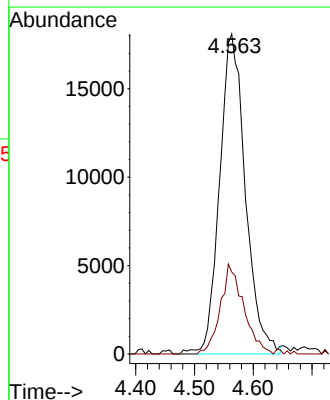
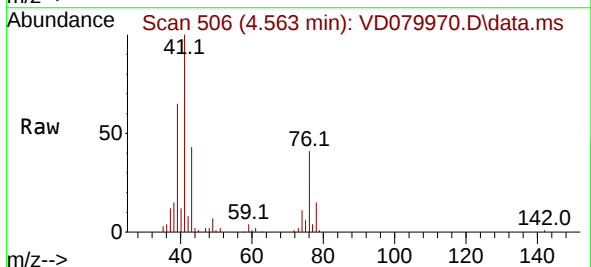
Instrument :  
MSVOA\_D  
ClientSampleId :

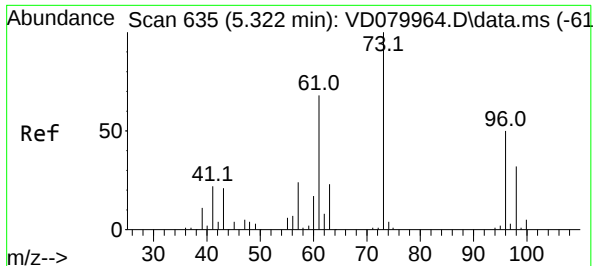
Tgt Ion: 76 Resp: 212436  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.5 11.3



#18  
Methyl Acetate  
Concen: 56.333 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 43 Resp: 55148  
Ion Ratio Lower Upper  
43 100  
74 25.3 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 58.882 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

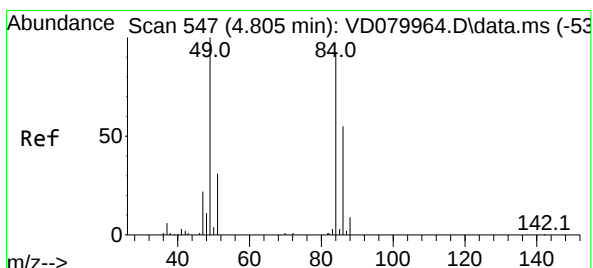
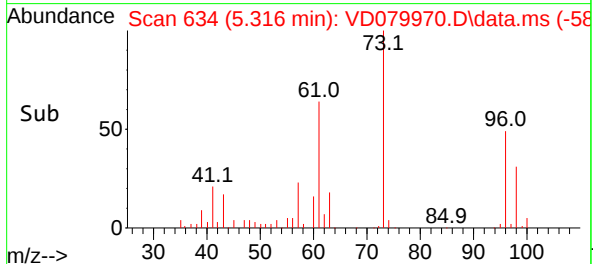
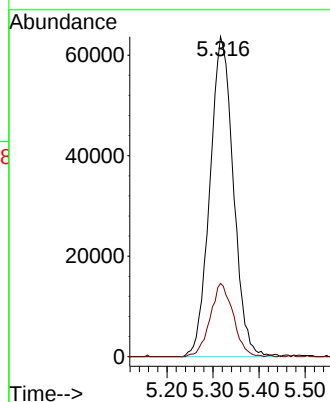
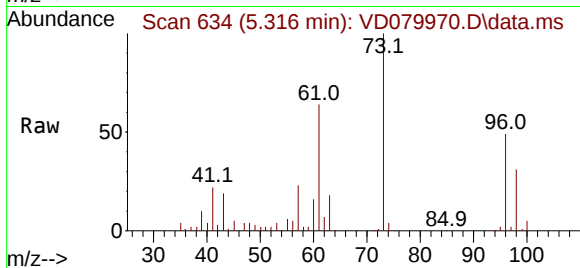
ClientSampleId :

Tgt Ion: 73 Resp: 225991

Ion Ratio Lower Upper

73 100

57 22.9 18.8 28.2



#20

Methylene Chloride

Concen: 55.306 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Tgt Ion: 84 Resp: 105639

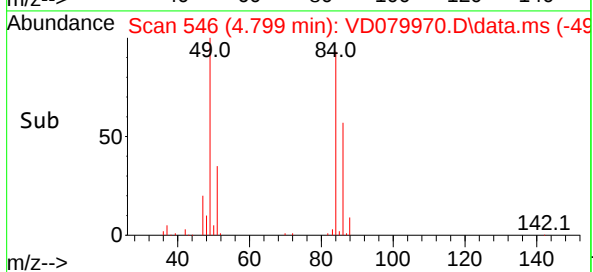
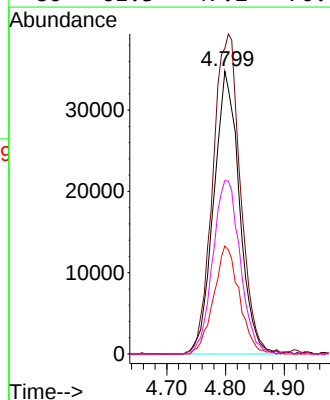
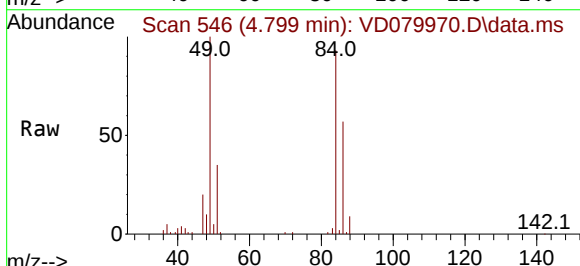
Ion Ratio Lower Upper

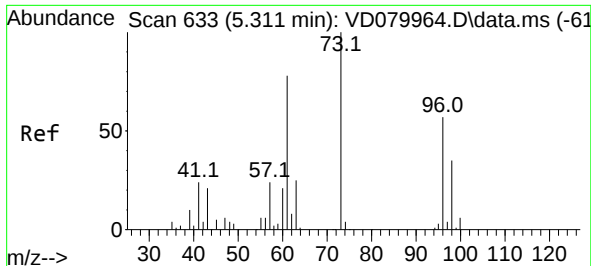
84 100

49 108.1 86.5 129.7

51 38.1 26.9 40.3

86 61.3 47.2 70.8

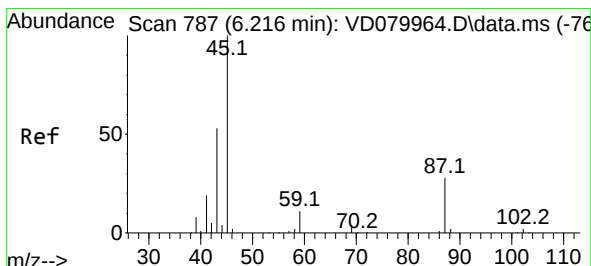
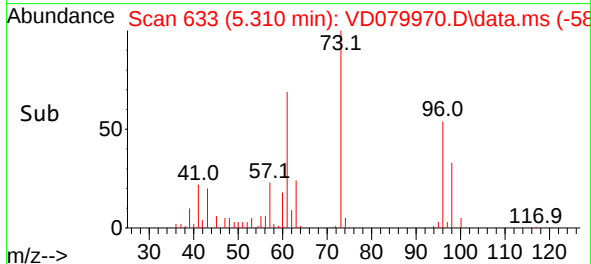
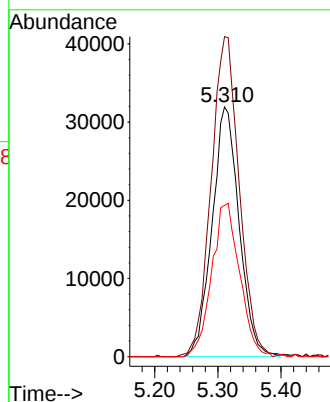
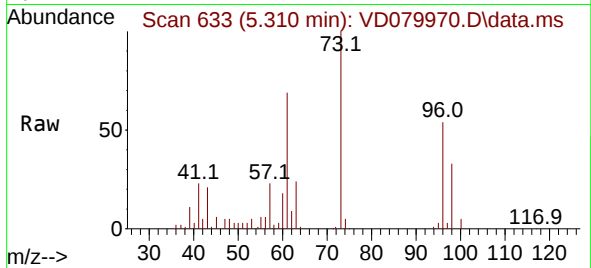




#21  
trans-1,2-Dichloroethene  
Concen: 53.224 ug/l  
RT: 5.310 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

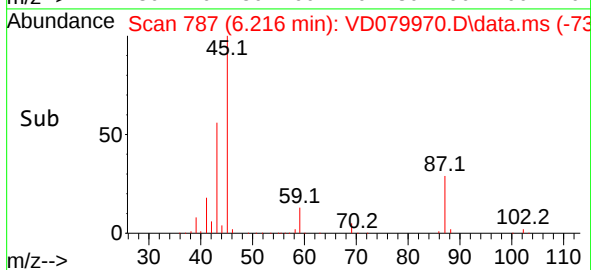
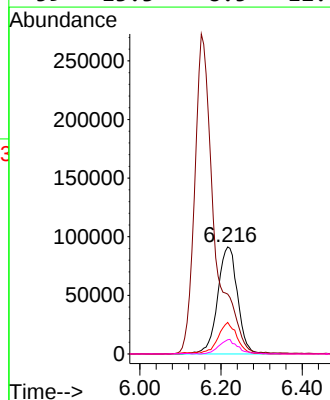
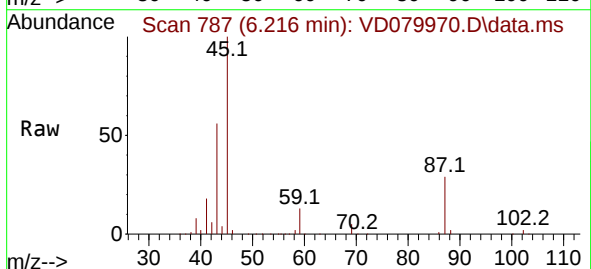
Instrument :  
MSVOA\_D  
ClientSampleId :

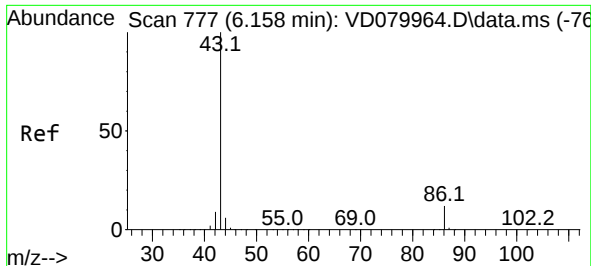
Tgt Ion: 96 Resp: 94975  
Ion Ratio Lower Upper  
96 100  
61 127.5 109.4 164.0  
98 60.6 49.8 74.8



#22  
Diisopropyl ether  
Concen: 58.245 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 45 Resp: 311791  
Ion Ratio Lower Upper  
45 100  
43 54.9 42.6 63.8  
87 29.4 22.7 34.1  
59 13.3 8.5 12.7#

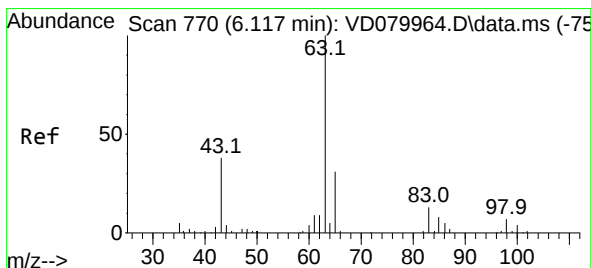
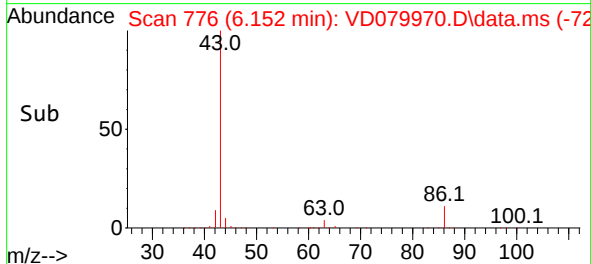
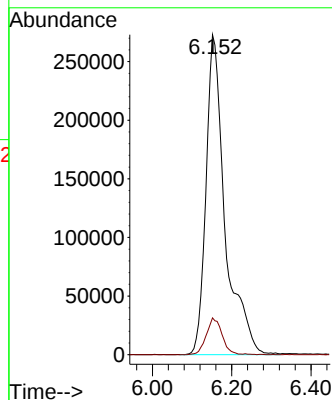
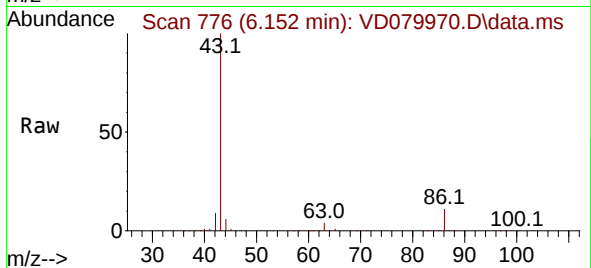




#23  
 Vinyl Acetate  
 Concen: 303.376 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.006 min  
 Lab File: VD079970.D  
 Acq: 14 Oct 2024 10:16

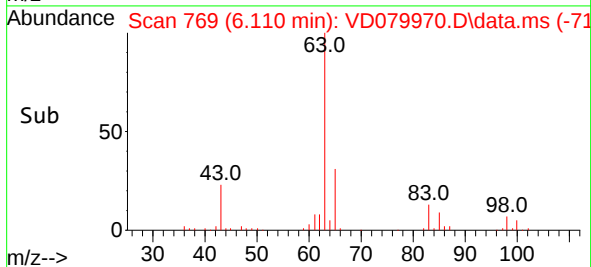
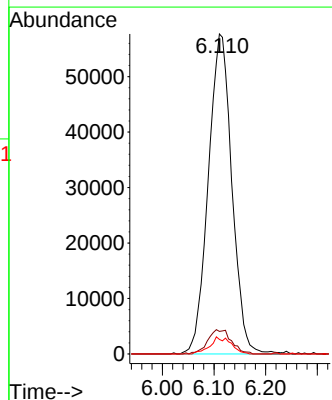
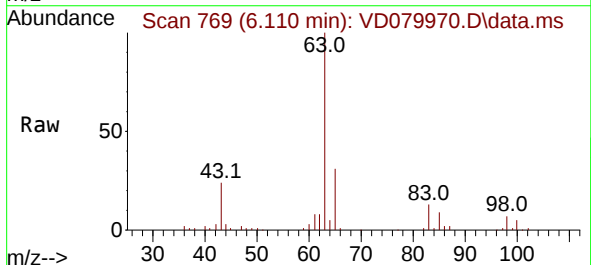
Instrument :  
 MSVOA\_D  
 ClientSampleId :

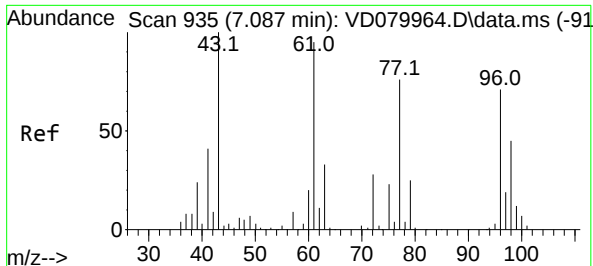
Tgt Ion: 43 Resp: 912470  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 9.4 14.0



#24  
 1,1-Dichloroethane  
 Concen: 51.911 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. -0.006 min  
 Lab File: VD079970.D  
 Acq: 14 Oct 2024 10:16

Tgt Ion: 63 Resp: 183080  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.6  
 100 4.5 2.1 6.5

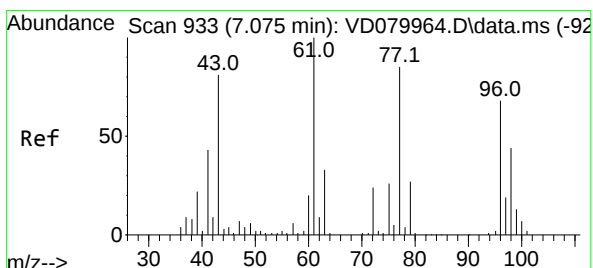
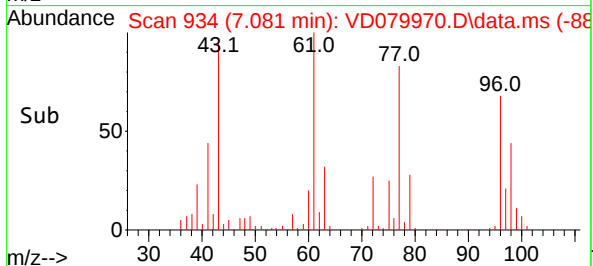
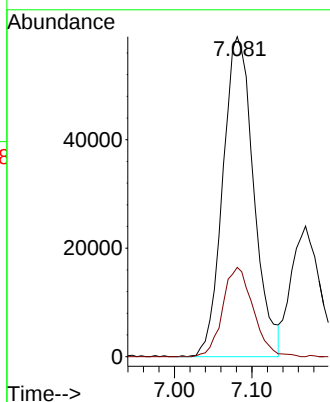
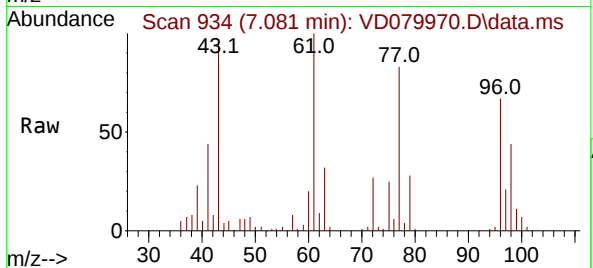




#25  
2-Butanone  
Concen: 295.468 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

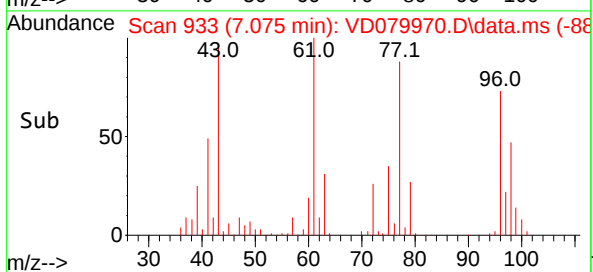
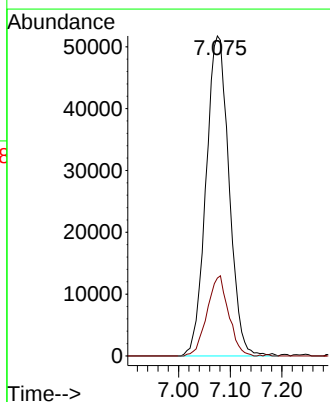
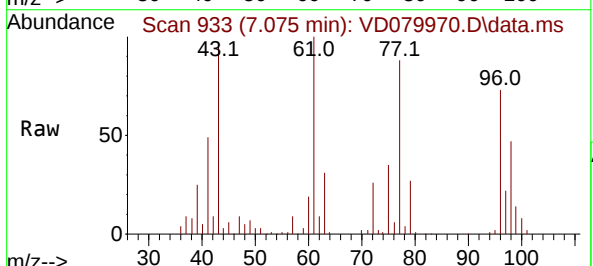
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 164080  
Ion Ratio Lower Upper  
43 100  
72 27.9 22.3 33.5



#26  
2,2-Dichloropropane  
Concen: 52.425 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 77 Resp: 159971  
Ion Ratio Lower Upper  
77 100  
97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.229 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

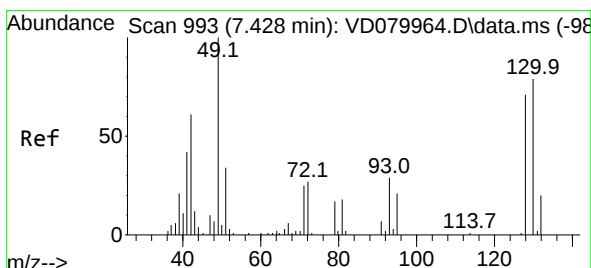
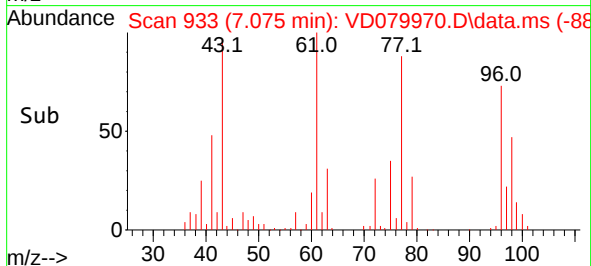
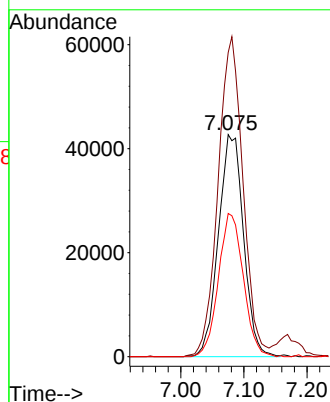
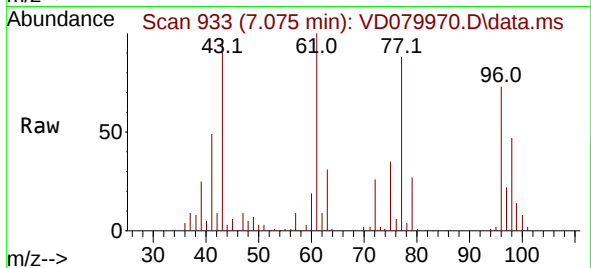
Tgt Ion: 96 Resp: 118117

Ion Ratio Lower Upper

96 100

61 142.9 0.0 278.2

98 64.0 0.0 127.8



#28

Bromochloromethane

Concen: 50.091 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

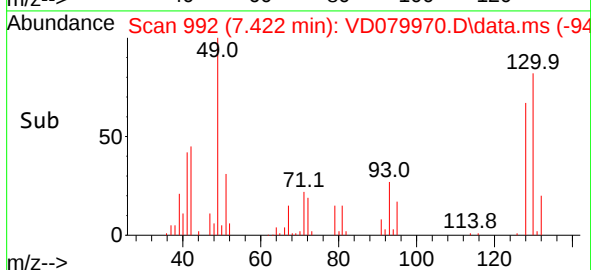
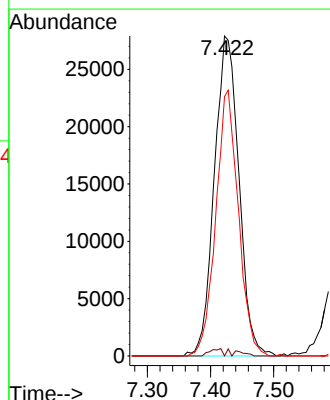
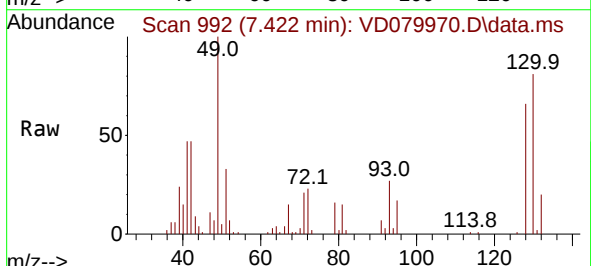
Tgt Ion: 49 Resp: 75401

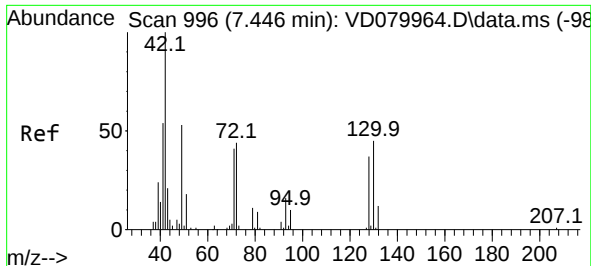
Ion Ratio Lower Upper

49 100

129 1.1 0.0 2.2

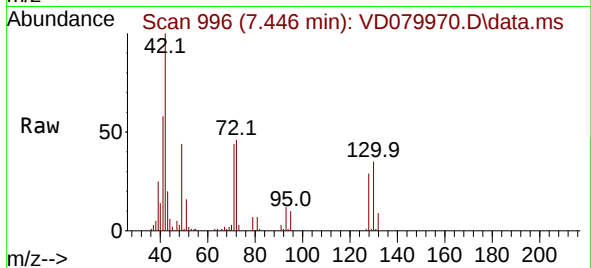
130 76.3 64.6 97.0



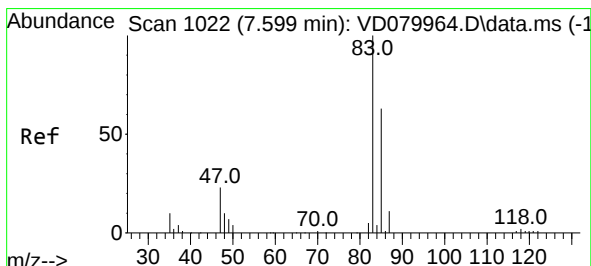
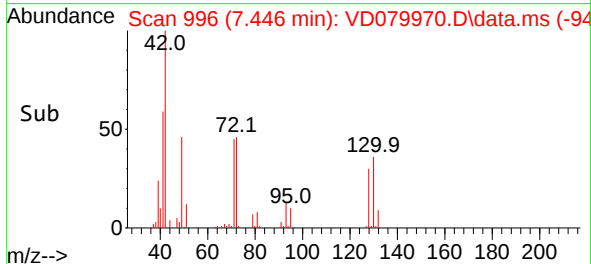
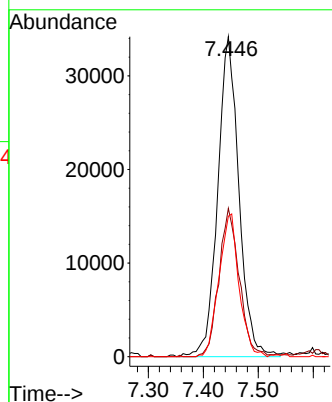


#29  
Tetrahydrofuran  
Concen: 308.606 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

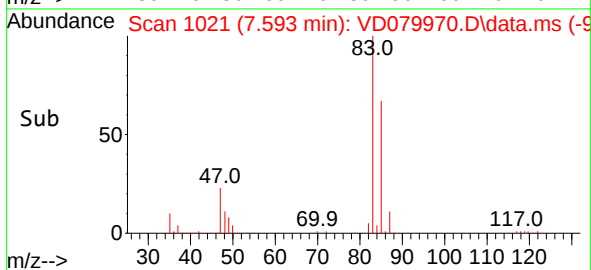
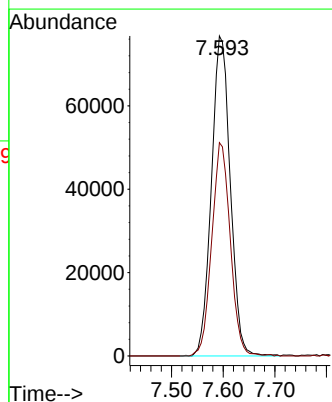
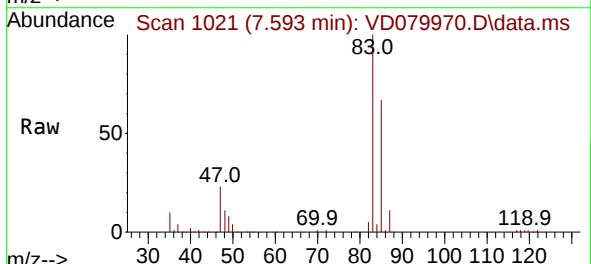


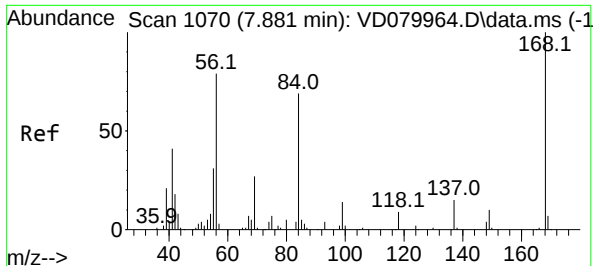
Tgt Ion: 42 Resp: 91654  
Ion Ratio Lower Upper  
42 100  
72 44.6 36.7 55.1  
71 42.2 34.4 51.6



#30  
Chloroform  
Concen: 52.067 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 83 Resp: 194515  
Ion Ratio Lower Upper  
83 100  
85 66.7 50.8 76.2





#31

Cyclohexane

Concen: 48.453 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

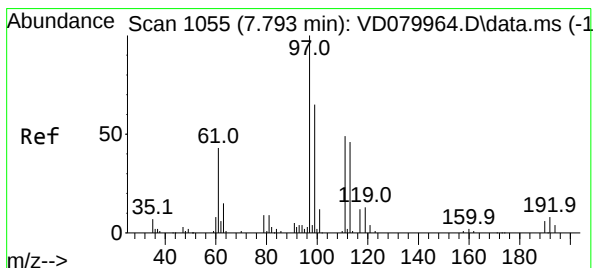
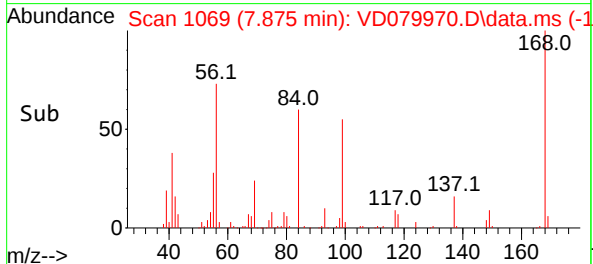
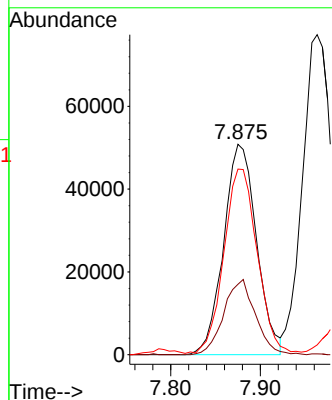
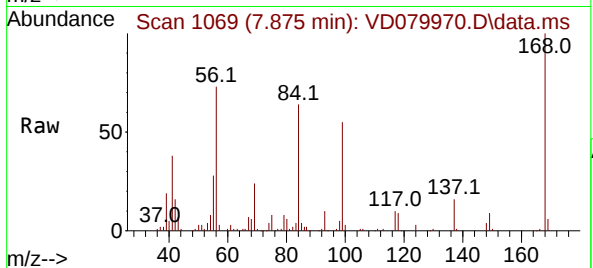
Tgt Ion: 56 Resp: 129536

Ion Ratio Lower Upper

56 100

69 33.5 27.3 40.9

84 87.0 70.2 105.4



#32

1,1,1-Trichloroethane

Concen: 51.676 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

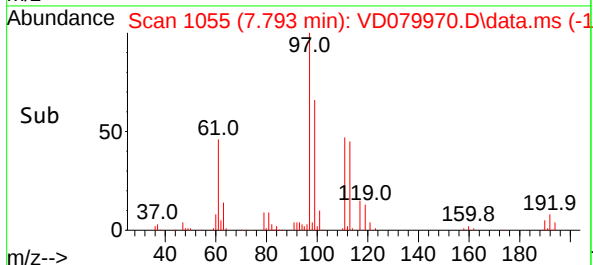
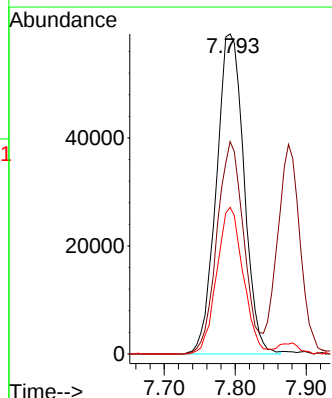
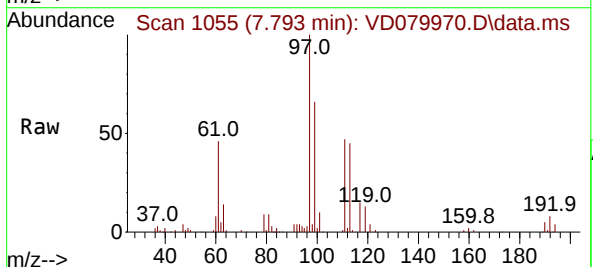
Tgt Ion: 97 Resp: 159923

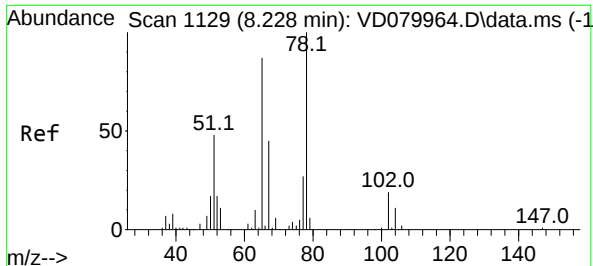
Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

61 44.2 34.2 51.2

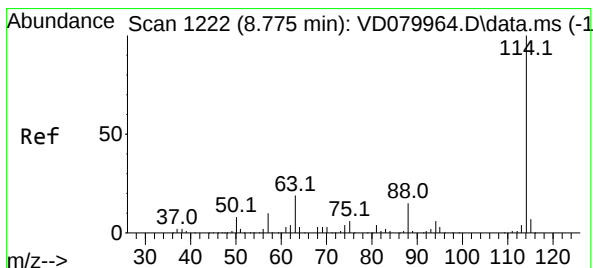
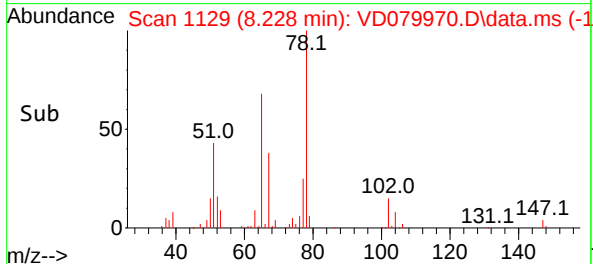
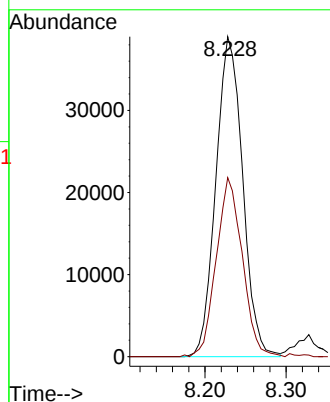
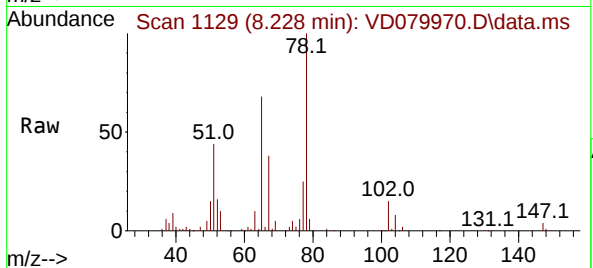




#33  
1,2-Dichloroethane-d4  
Concen: 50.827 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

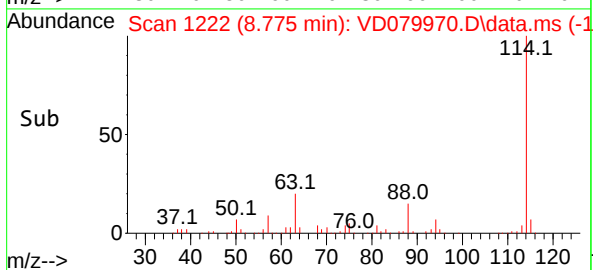
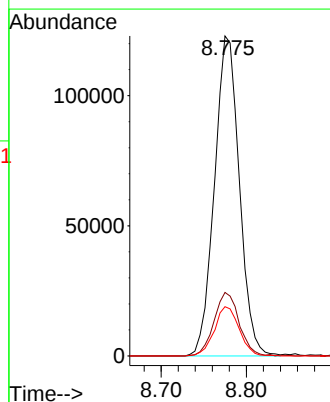
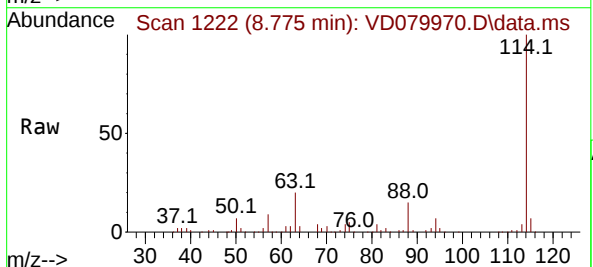
Instrument :  
MSVOA\_D  
ClientSampleId :

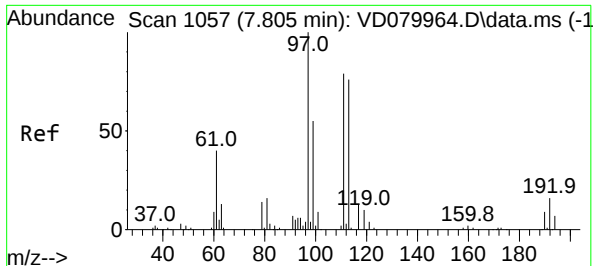
Tgt Ion: 65 Resp: 89425  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 109.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:114 Resp: 249327  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.8  
88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.047 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

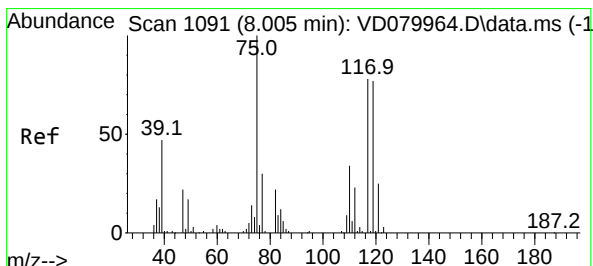
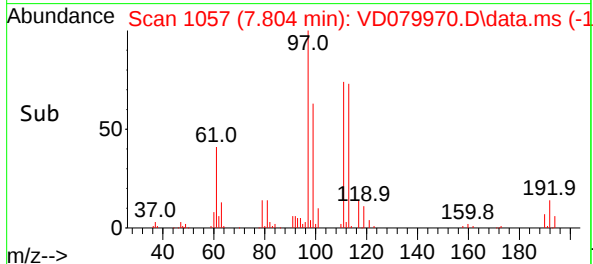
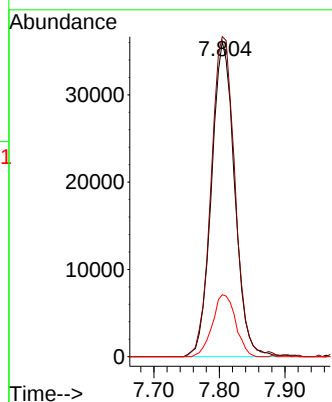
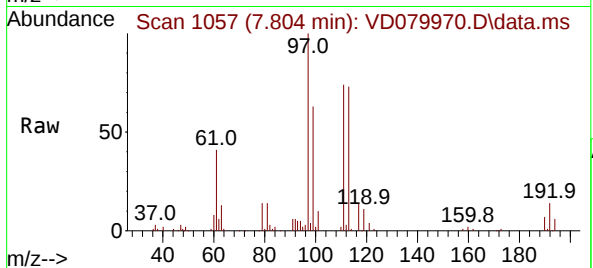
Tgt Ion:113 Resp: 88263

Ion Ratio Lower Upper

113 100

111 105.0 82.5 123.7

192 19.8 16.6 25.0



#36

1,1-Dichloropropene

Concen: 51.097 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

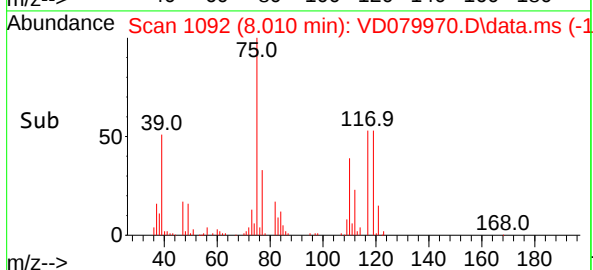
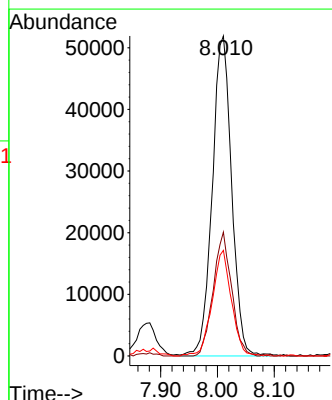
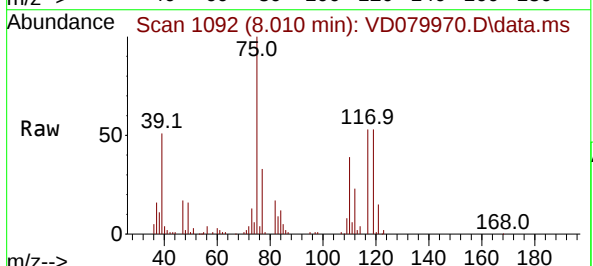
Tgt Ion: 75 Resp: 123241

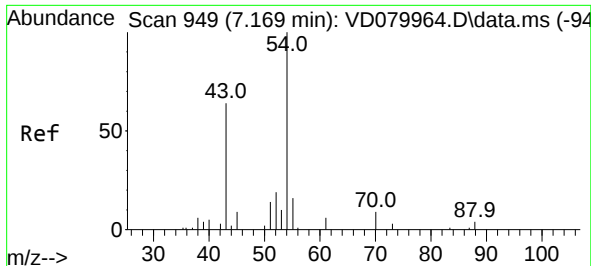
Ion Ratio Lower Upper

75 100

110 36.7 18.4 55.0

77 32.7 25.6 38.4





#37

Ethyl Acetate

Concen: 54.714 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.000 min

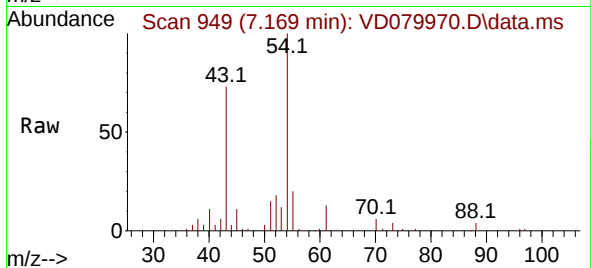
Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

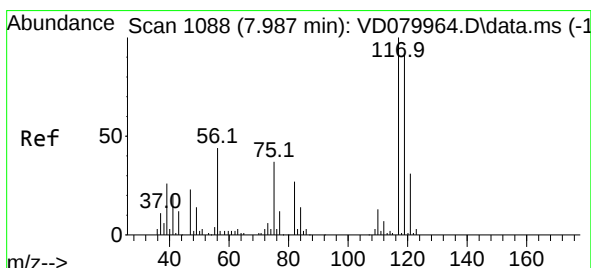
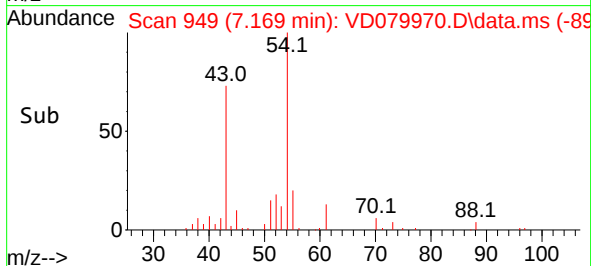
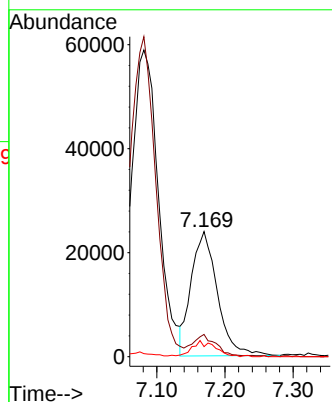
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 63887 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.6  | 11.0  | 16.4  |
| 70       | 11.4  | 9.4   | 14.2  |



#38

Carbon Tetrachloride

Concen: 50.288 ug/l

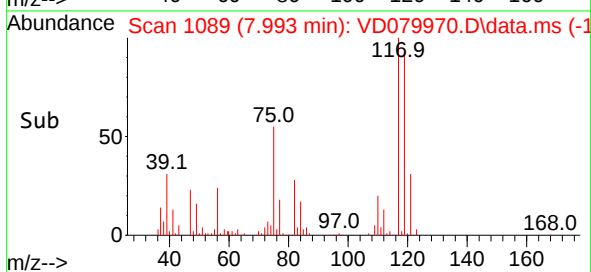
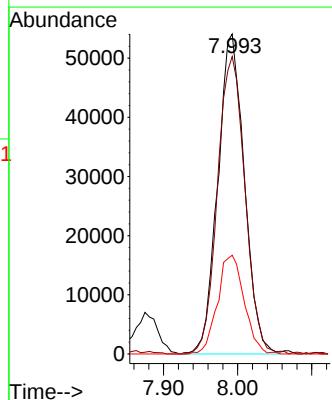
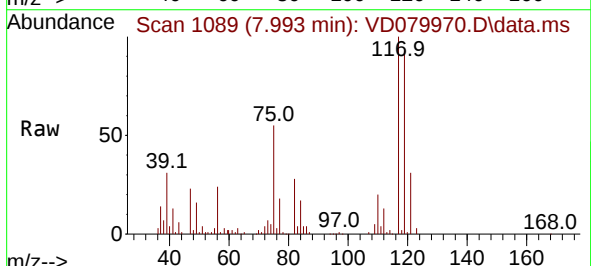
RT: 7.993 min Scan# 1089

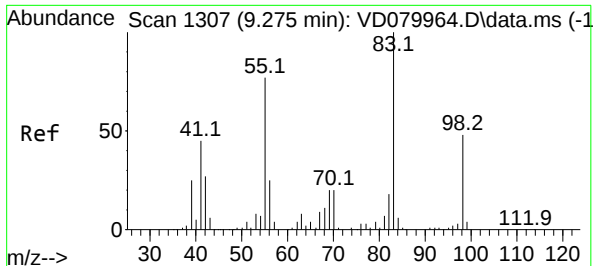
Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 134783 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.0  | 73.4  | 110.0  |
| 121      | 30.9  | 24.5  | 36.7   |





#39

Methylcyclohexane

Concen: 52.064 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

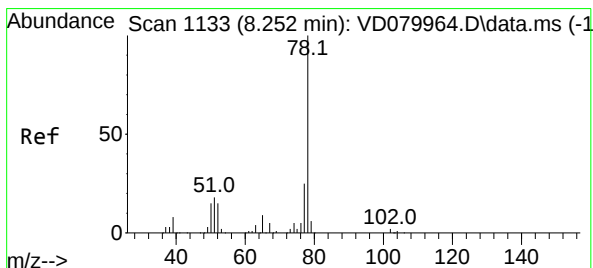
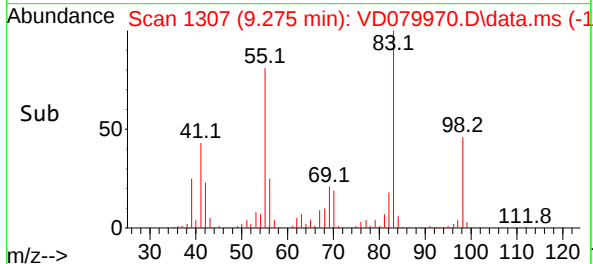
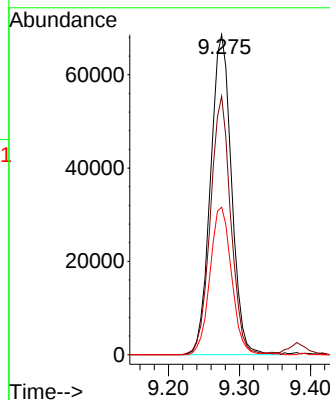
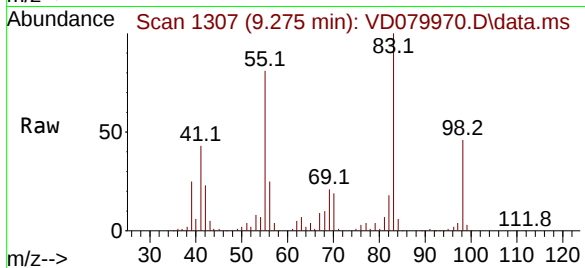
Tgt Ion: 83 Resp: 140913

Ion Ratio Lower Upper

83 100

55 80.8 62.0 93.0

98 46.1 38.7 58.1



#40

Benzene

Concen: 52.019 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD079970.D

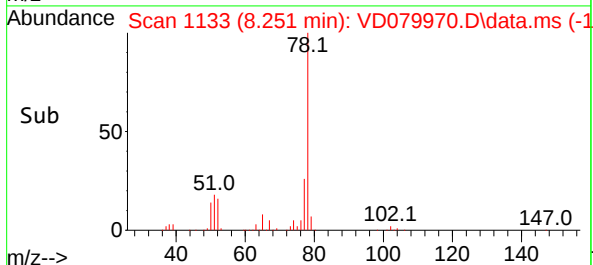
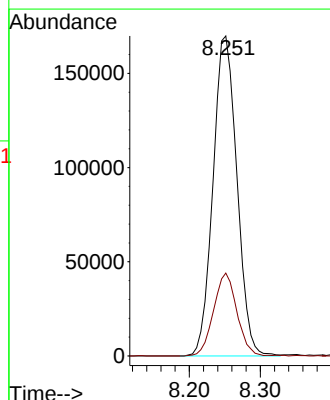
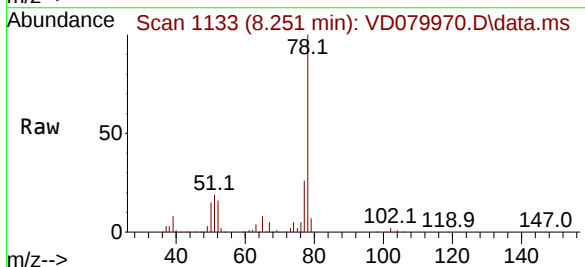
Acq: 14 Oct 2024 10:16

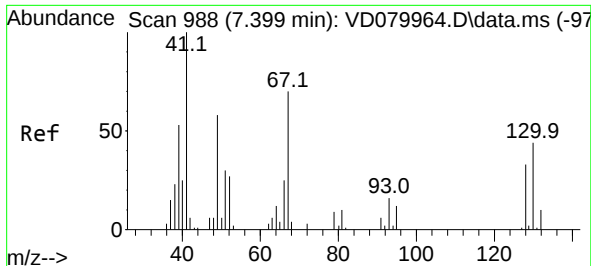
Tgt Ion: 78 Resp: 396761

Ion Ratio Lower Upper

78 100

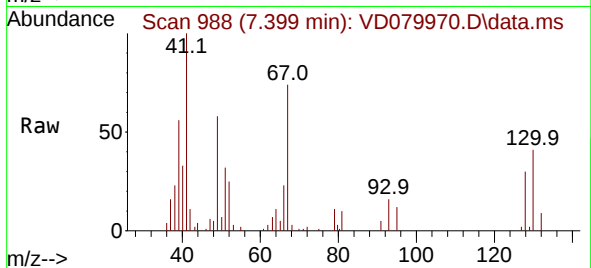
77 25.9 20.2 30.4



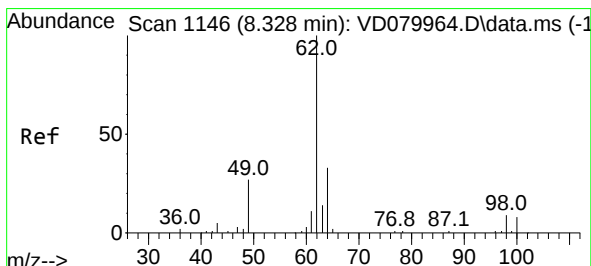
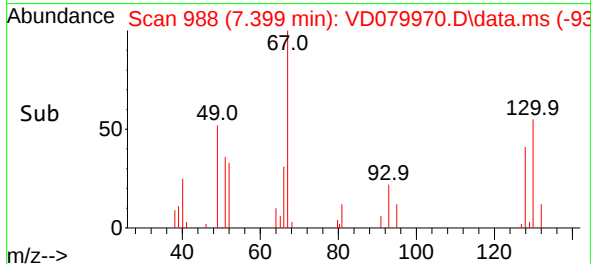
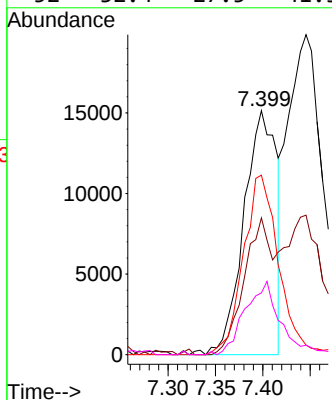


#41  
Methacrylonitrile  
Concen: 59.346 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

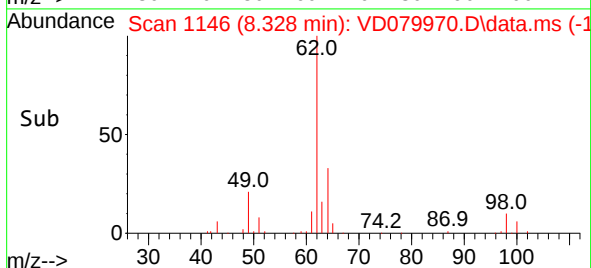
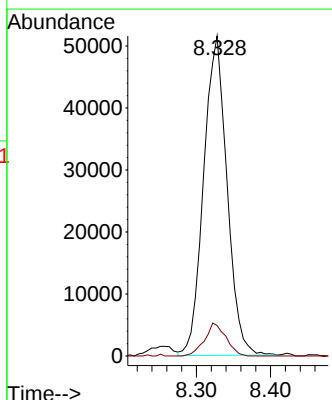
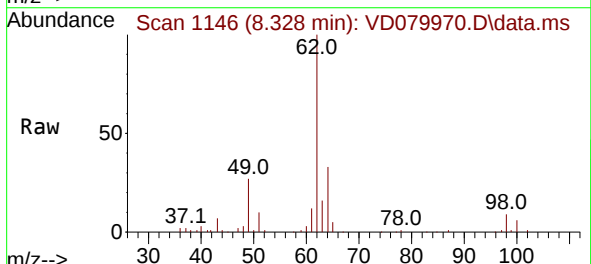


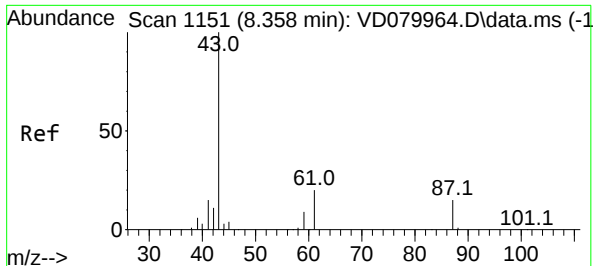
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 36392 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 46.1  | 47.8  | 71.8# |
| 67       | 79.4  | 64.9  | 97.3  |
| 52       | 32.4  | 27.5  | 41.3  |



#42  
1,2-Dichloroethane  
Concen: 53.809 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 112867 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 19.8   |

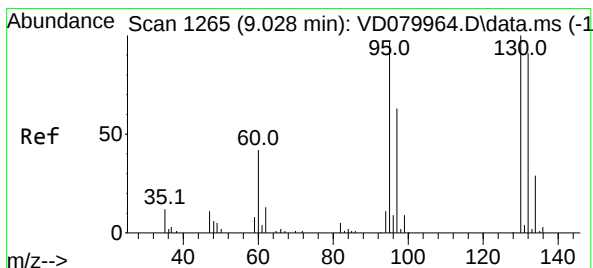
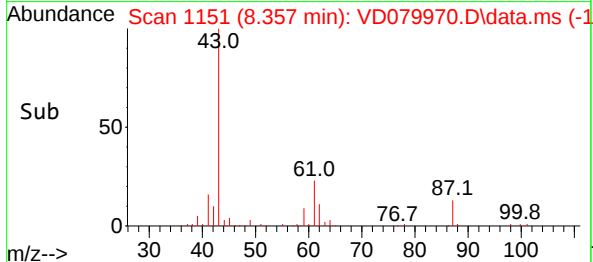
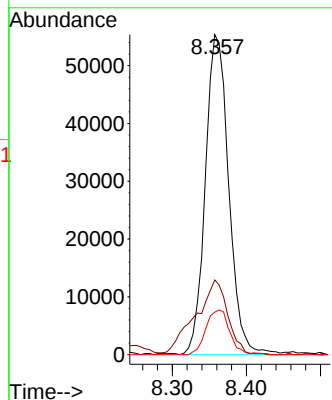
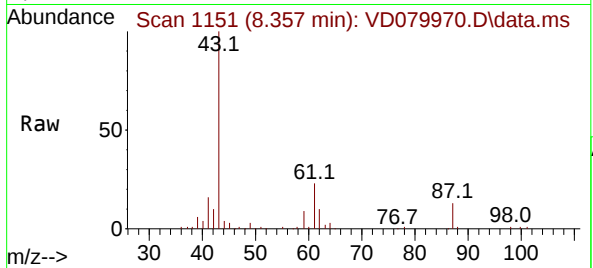




#43  
Isopropyl Acetate  
Concen: 56.562 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

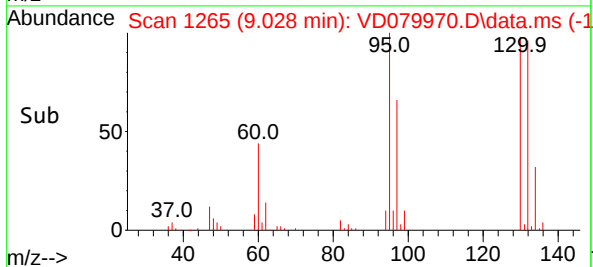
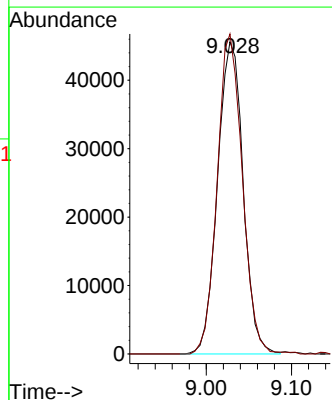
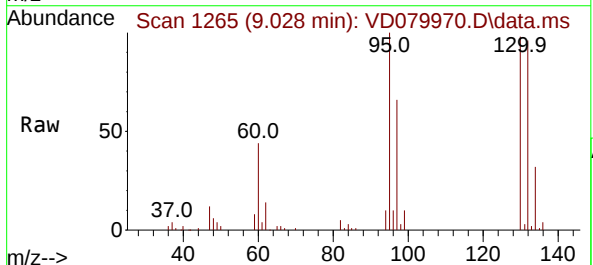
Instrument :  
MSVOA\_D  
ClientSampleId :

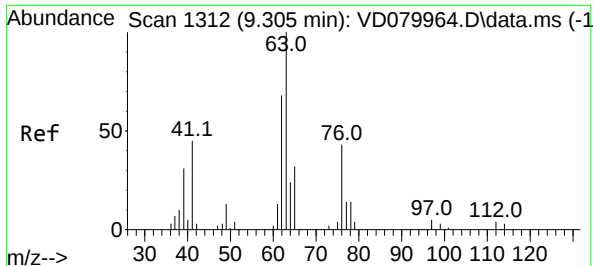
Tgt Ion: 43 Resp: 121678  
Ion Ratio Lower Upper  
43 100  
61 32.3 26.2 39.2  
87 14.2 11.8 17.8



#44  
Trichloroethene  
Concen: 50.545 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:130 Resp: 95369  
Ion Ratio Lower Upper  
130 100  
95 102.5 0.0 194.6





#45

1,2-Dichloropropane

Concen: 54.610 ug/l

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

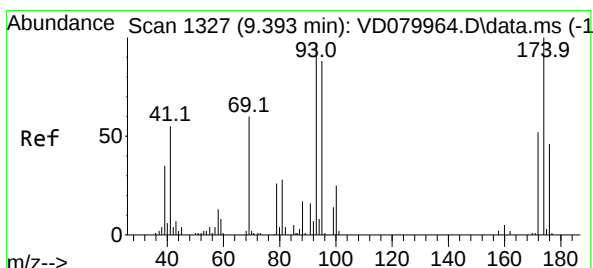
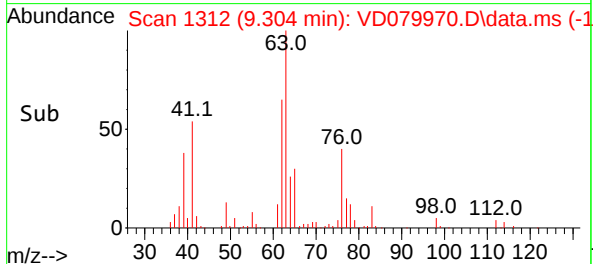
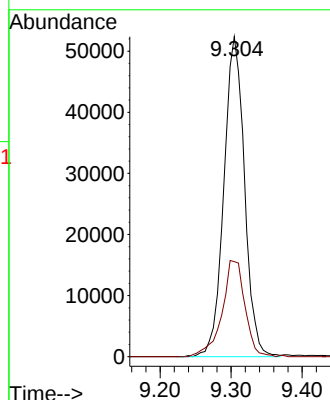
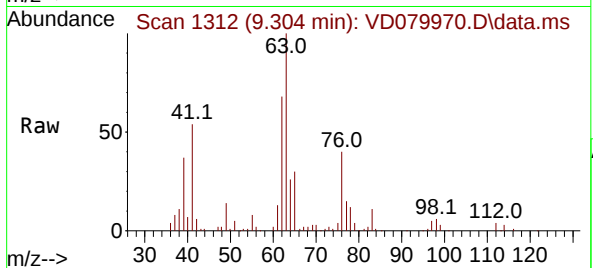
ClientSampleId :

Tgt Ion: 63 Resp: 105622

Ion Ratio Lower Upper

63 100

65 29.7 26.2 39.4



#46

Dibromomethane

Concen: 55.119 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

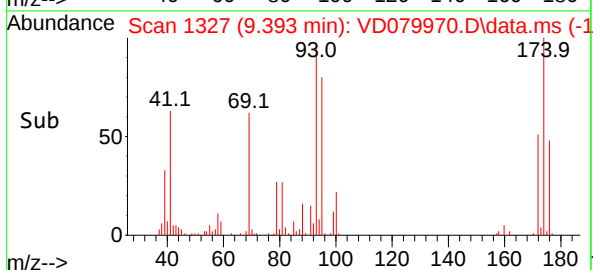
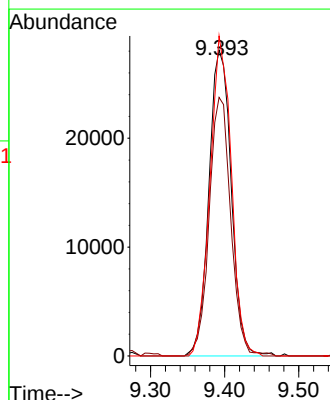
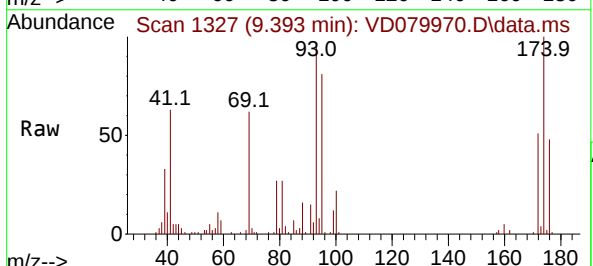
Tgt Ion: 93 Resp: 58821

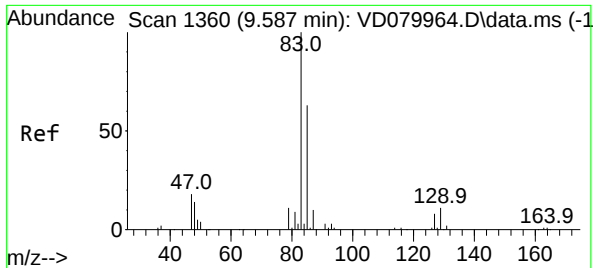
Ion Ratio Lower Upper

93 100

95 82.0 67.9 101.9

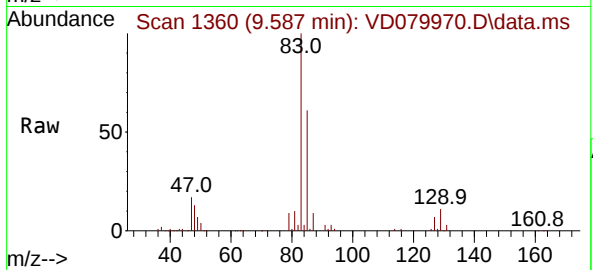
174 99.9 80.5 120.7



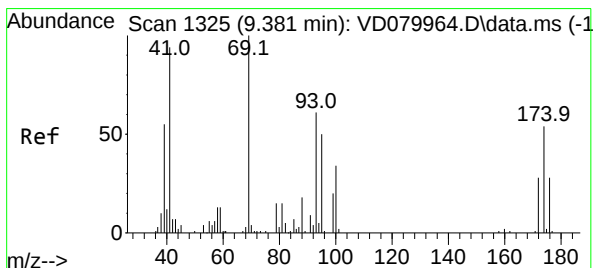
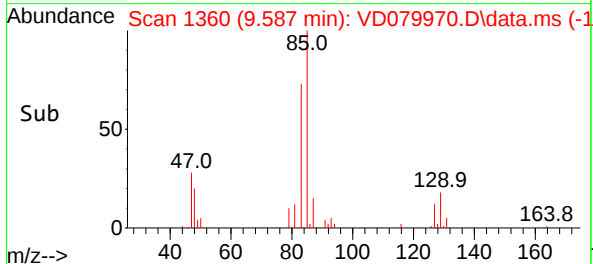
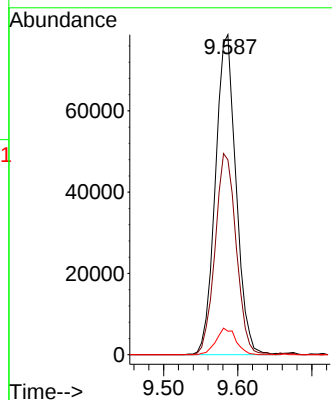


#47  
Bromodichloromethane  
Concen: 53.928 ug/l  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

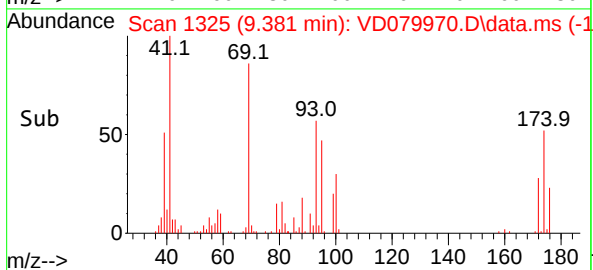
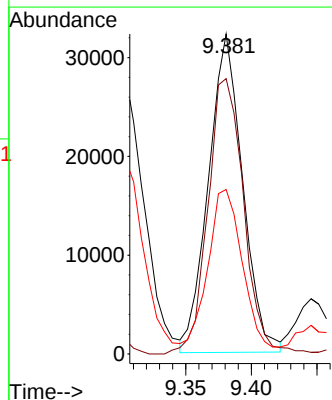
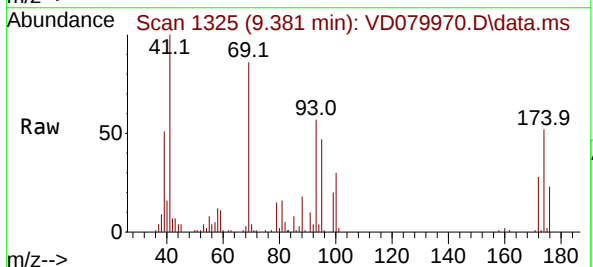


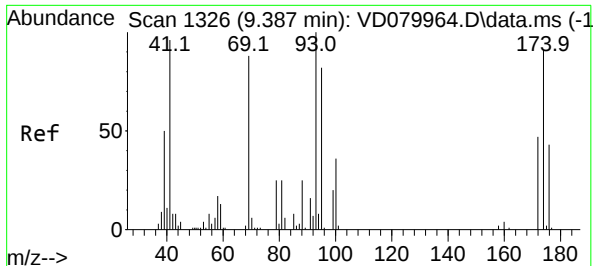
Tgt Ion: 83 Resp: 152630  
Ion Ratio Lower Upper  
83 100  
85 60.9 50.6 75.8  
127 7.3 6.1 9.1



#48  
Methyl methacrylate  
Concen: 60.249 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 41 Resp: 58381  
Ion Ratio Lower Upper  
41 100  
69 90.6 74.0 111.0  
39 52.0 41.9 62.9





#49

1,4-Dioxane

Concen: 1202.870 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

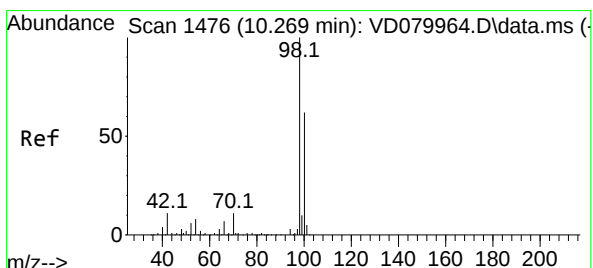
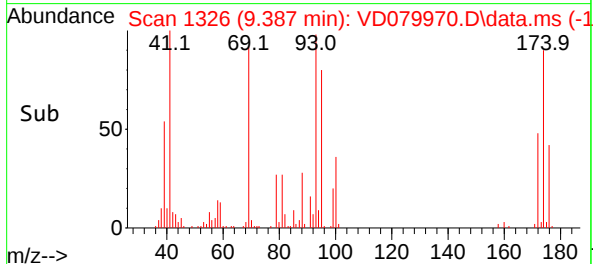
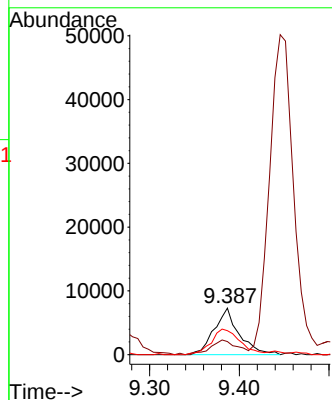
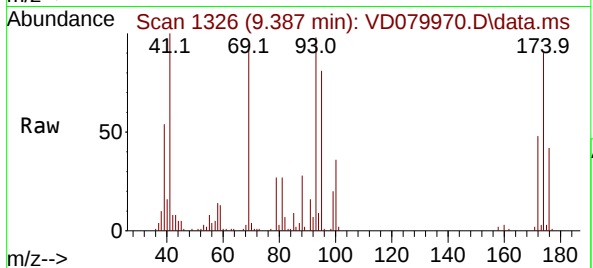
Tgt Ion: 88 Resp: 14105

Ion Ratio Lower Upper

88 100

43 33.0 29.1 43.7

58 63.4 59.9 89.9



#50

Toluene-d8

Concen: 49.618 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079970.D

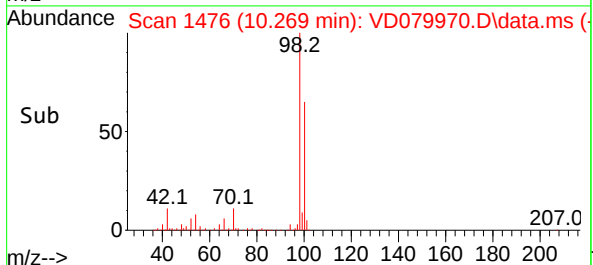
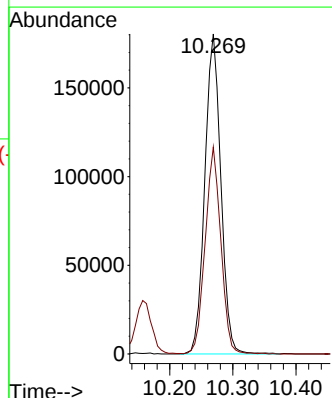
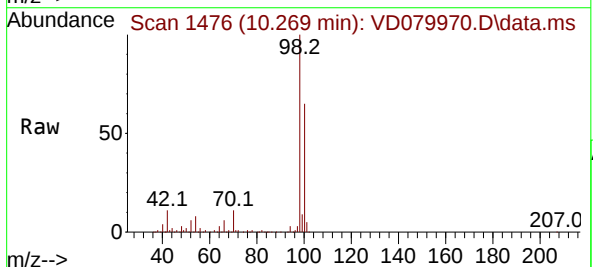
Acq: 14 Oct 2024 10:16

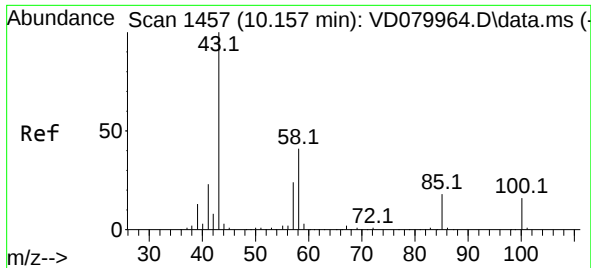
Tgt Ion: 98 Resp: 318194

Ion Ratio Lower Upper

98 100

100 63.0 50.2 75.4

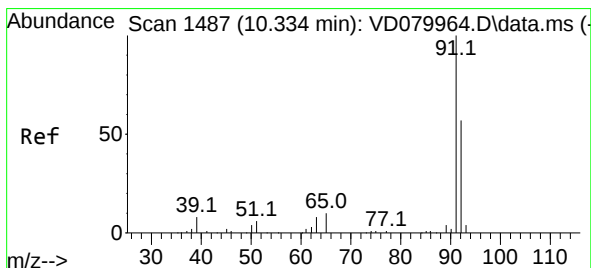
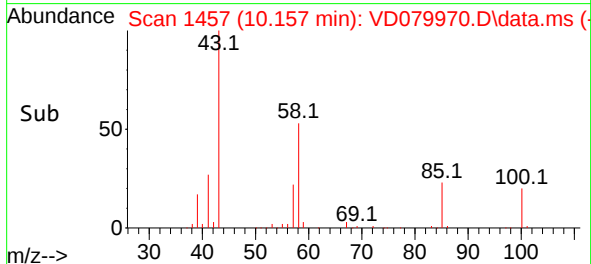
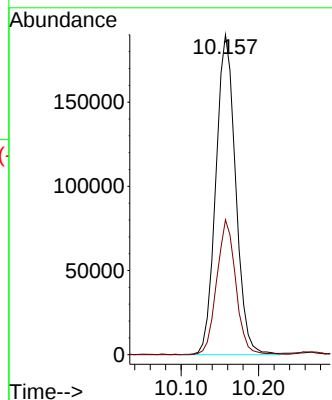
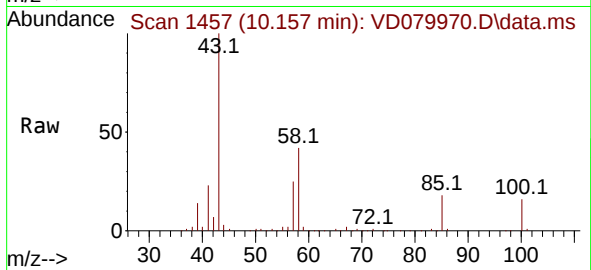




#51  
4-Methyl-2-Pentanone  
Concen: 307.195 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

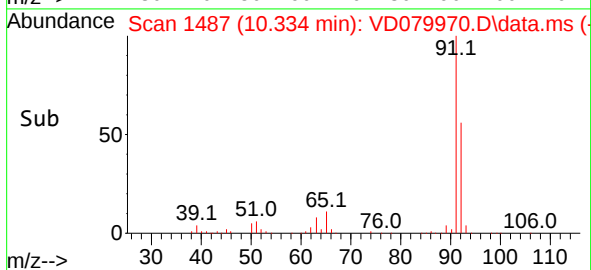
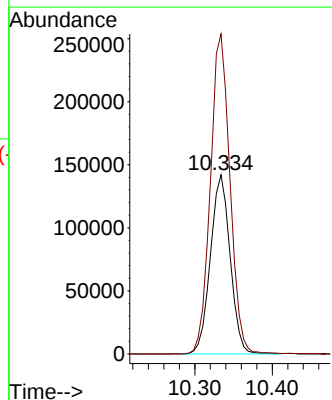
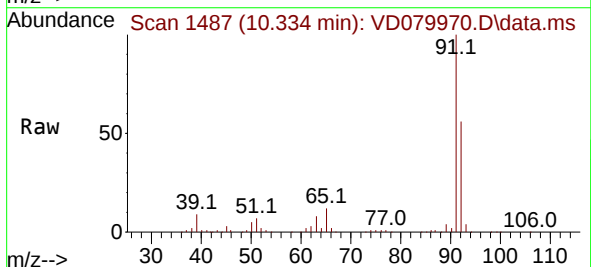
Instrument :  
MSVOA\_D  
ClientSampleId :

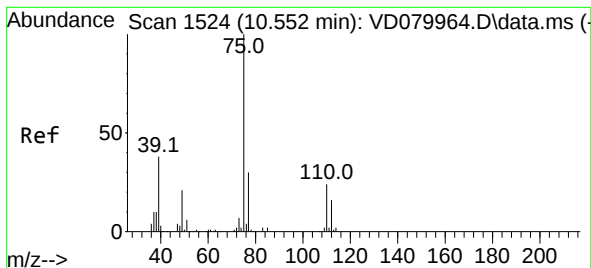
Tgt Ion: 43 Resp: 338090  
Ion Ratio Lower Upper  
43 100  
58 40.7 32.8 49.2



#52  
Toluene  
Concen: 53.680 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 92 Resp: 250681  
Ion Ratio Lower Upper  
92 100  
91 177.9 139.3 208.9

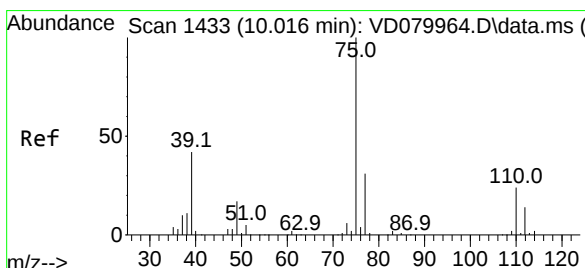
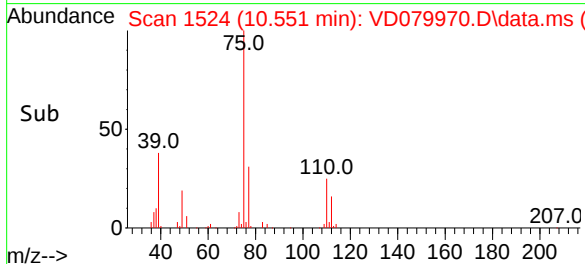
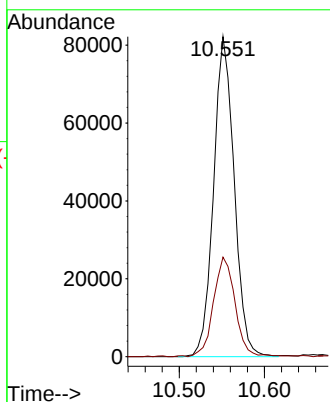
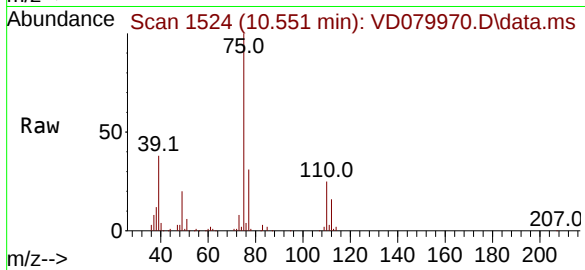




#53  
t-1,3-Dichloropropene  
Concen: 55.847 ug/l  
RT: 10.551 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

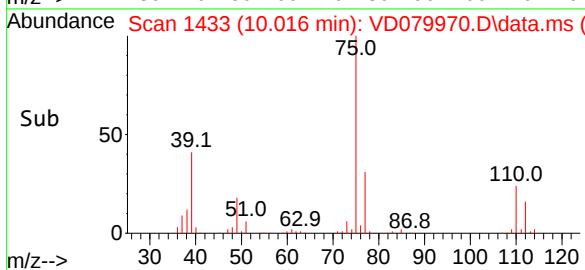
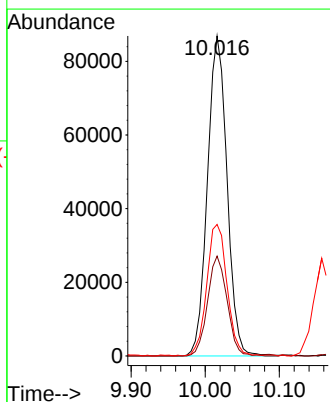
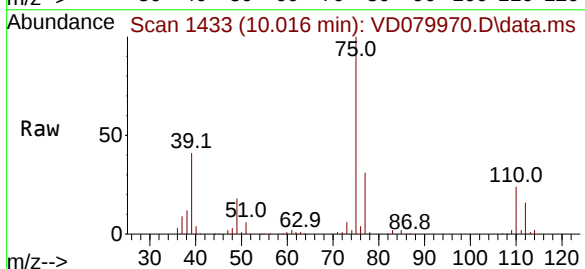
Instrument :  
MSVOA\_D  
ClientSampleId :

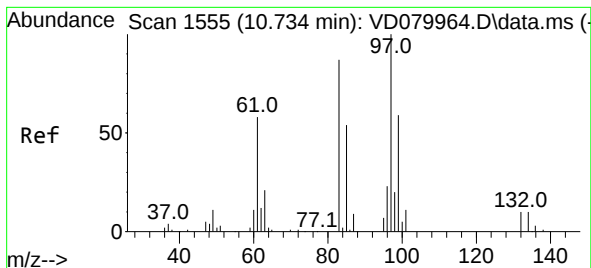
Tgt Ion: 75 Resp: 138410  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 54.578 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 75 Resp: 159610  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.0 37.4  
39 41.1 33.2 49.8





#55

1,1,2-Trichloroethane

Concen: 53.834 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

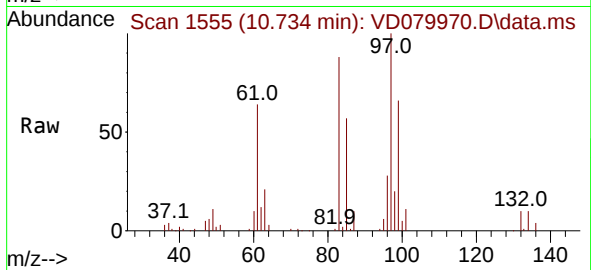
Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 80697

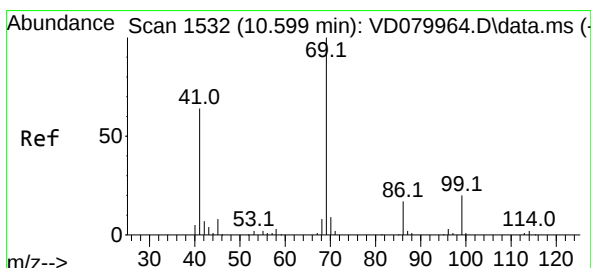
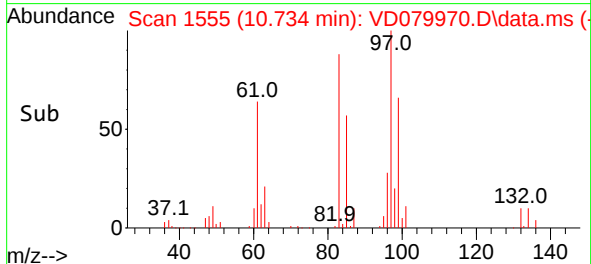
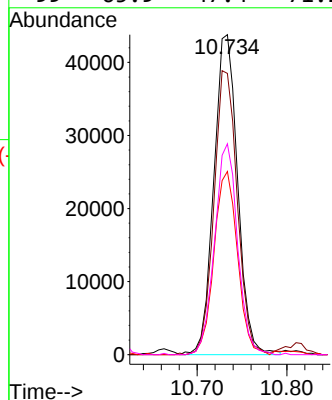
Ion Ratio Lower Upper

97 100

83 87.4 69.2 103.8

85 57.3 43.0 64.6

99 65.9 47.4 71.2



#56

Ethyl methacrylate

Concen: 60.529 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

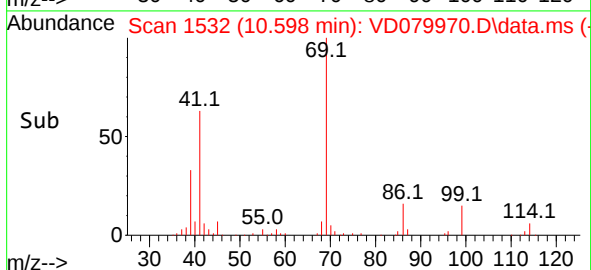
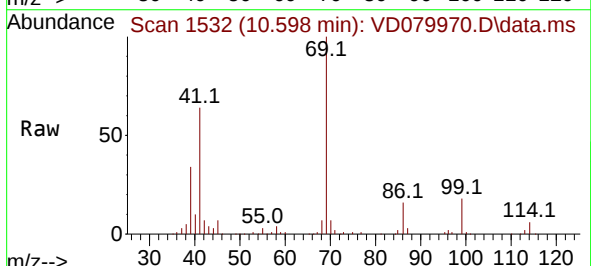
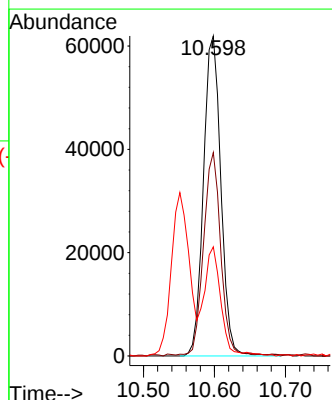
Tgt Ion: 69 Resp: 105999

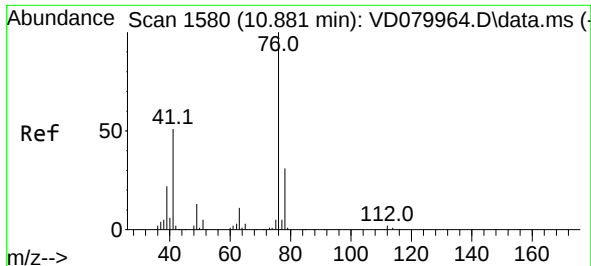
Ion Ratio Lower Upper

69 100

41 61.6 50.4 75.6

39 32.9 26.0 39.0





#57

1,3-Dichloropropane

Concen: 55.219 ug/l

RT: 10.875 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

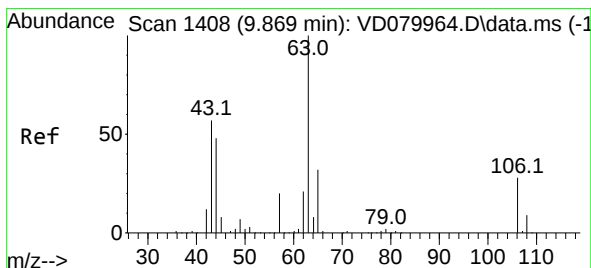
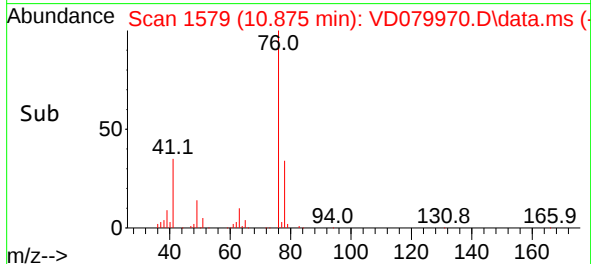
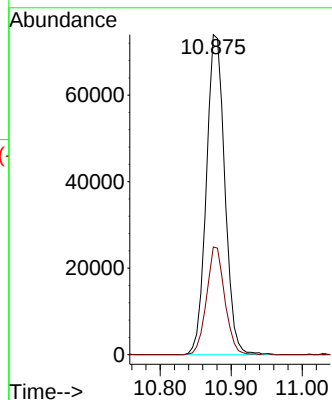
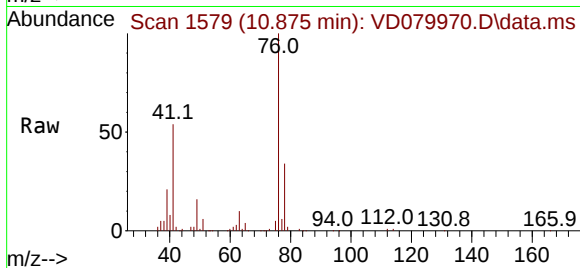
ClientSampleId :

Tgt Ion: 76 Resp: 133585

Ion Ratio Lower Upper

76 100

78 33.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 310.753 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD079970.D

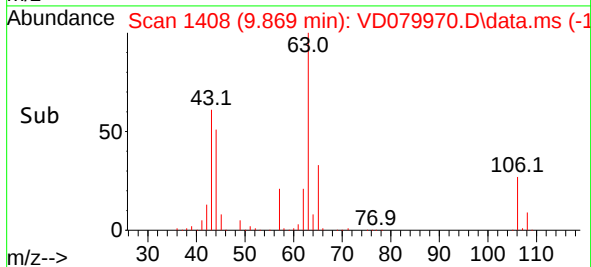
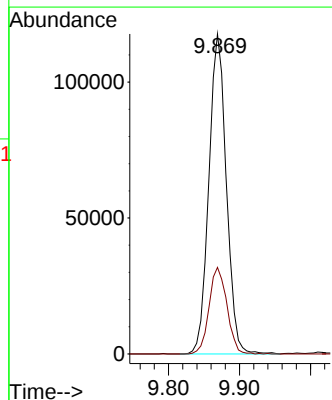
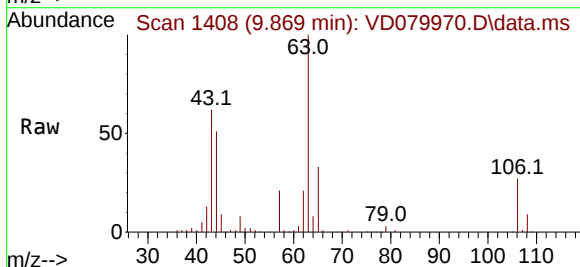
Acq: 14 Oct 2024 10:16

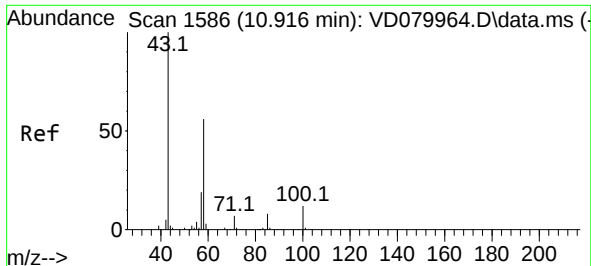
Tgt Ion: 63 Resp: 201370

Ion Ratio Lower Upper

63 100

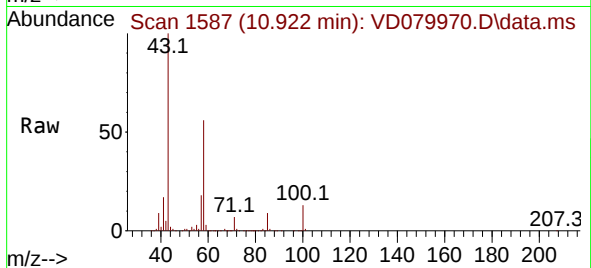
106 27.6 21.8 32.6



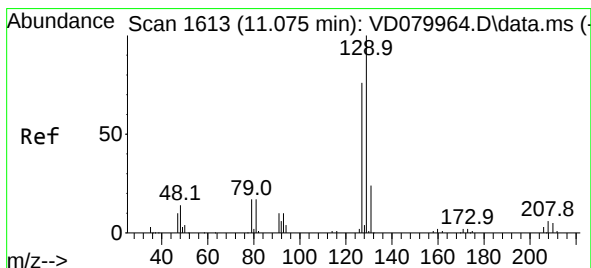
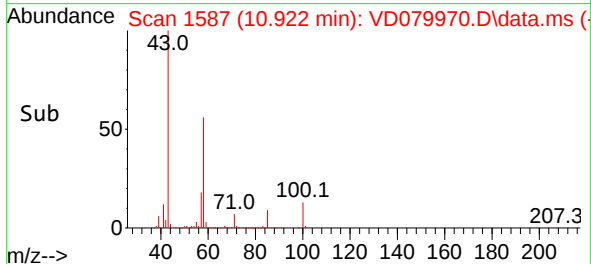
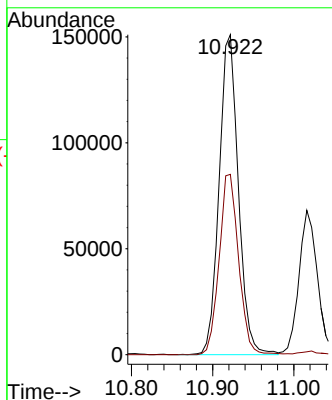


#59  
2-Hexanone  
Concen: 305.318 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

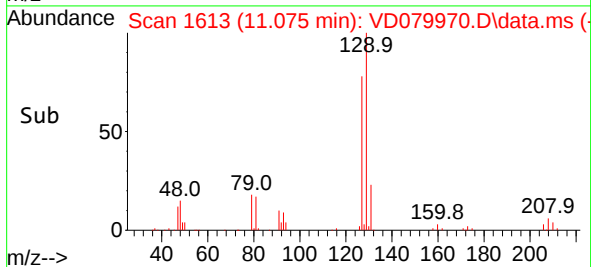
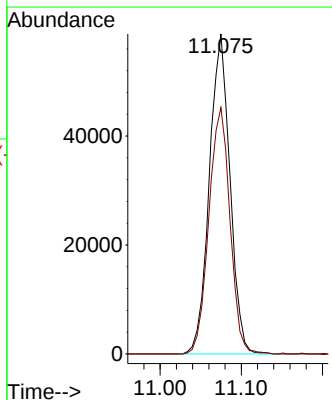
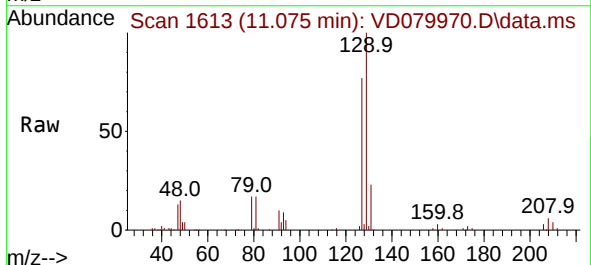


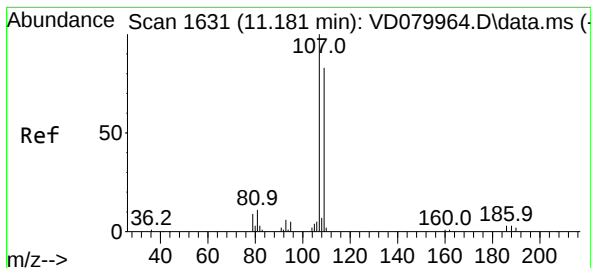
Tgt Ion: 43 Resp: 248872  
Ion Ratio Lower Upper  
43 100  
58 57.0 27.8 83.4



#60  
Dibromochloromethane  
Concen: 53.123 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:129 Resp: 103464  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.4 115.2

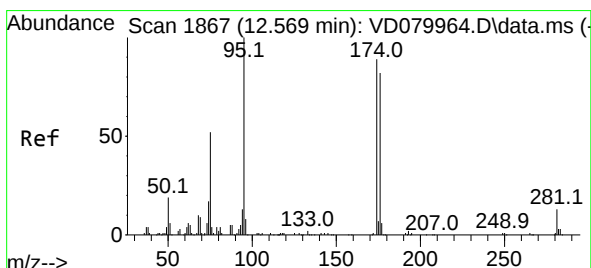
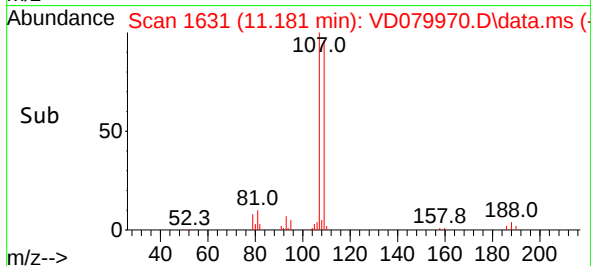
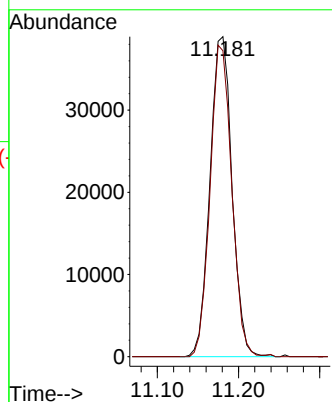
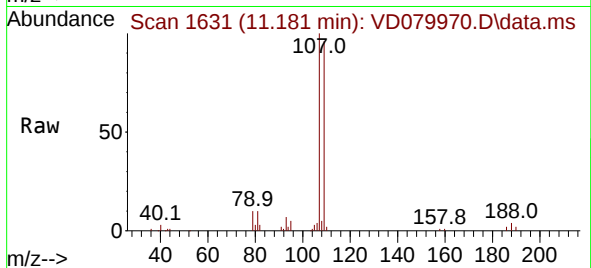




#61  
1,2-Dibromoethane  
Concen: 53.305 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

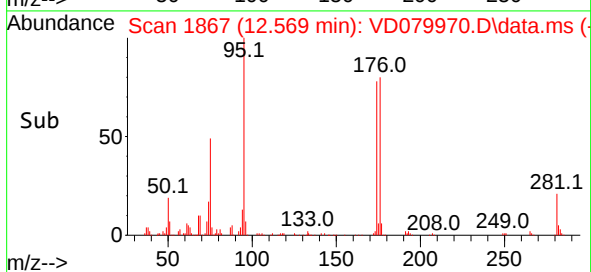
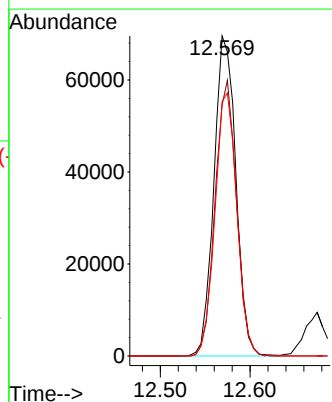
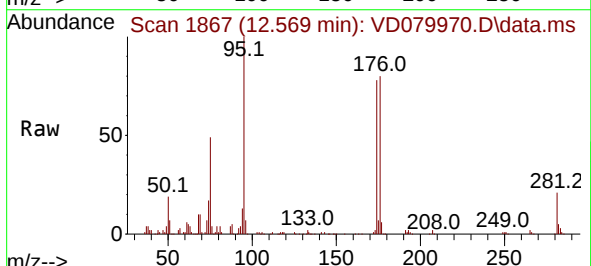
Instrument :  
MSVOA\_D  
ClientSampleId :

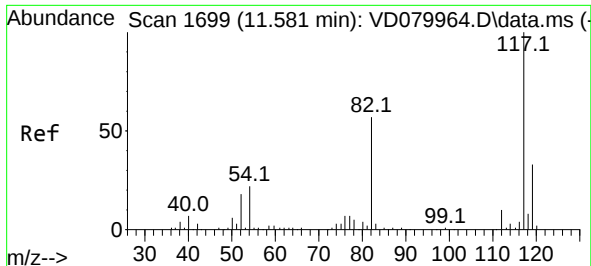
Tgt Ion:107 Resp: 73540  
Ion Ratio Lower Upper  
107 100  
109 95.4 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 52.634 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 95 Resp: 117826  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 173.4  
176 82.1 0.0 166.6

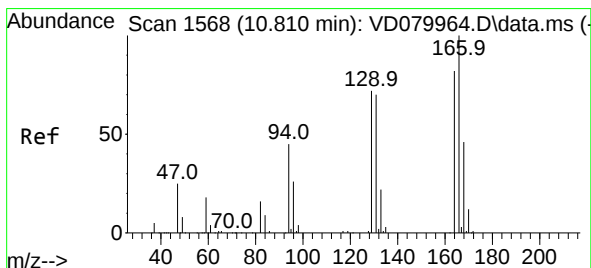
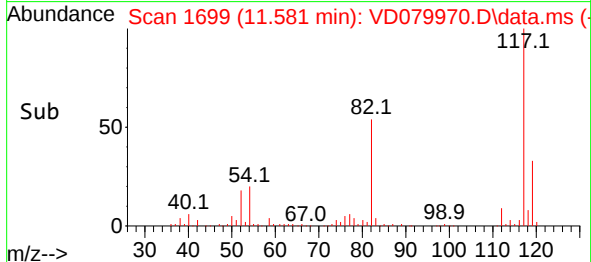
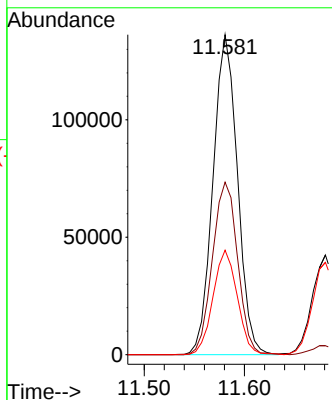
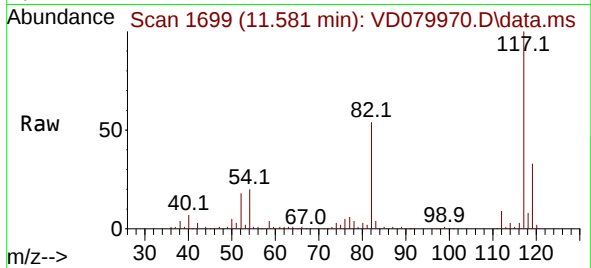




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

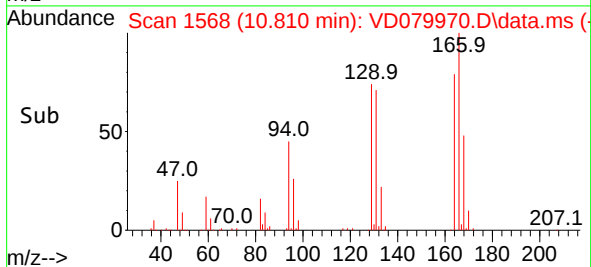
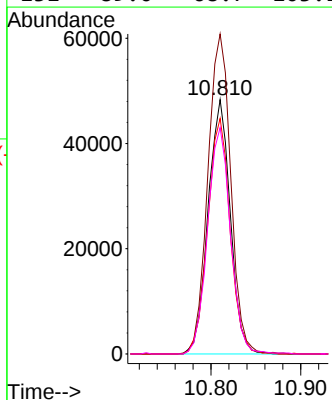
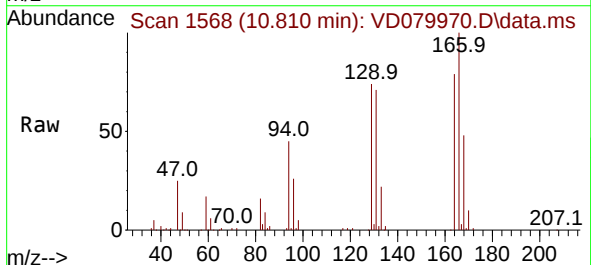
Instrument :  
MSVOA\_D  
ClientSampleId :

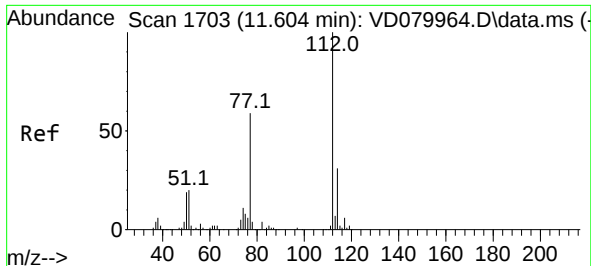
Tgt Ion:117 Resp: 230908  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.8 68.6  
119 32.7 26.2 39.2



#64  
Tetrachloroethene  
Concen: 51.133 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:164 Resp: 83278  
Ion Ratio Lower Upper  
164 100  
166 125.8 97.5 146.3  
129 92.6 70.6 106.0  
131 89.0 68.7 103.1

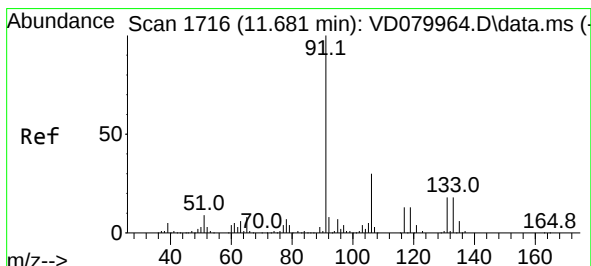
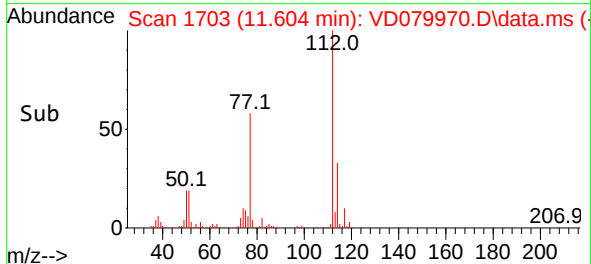
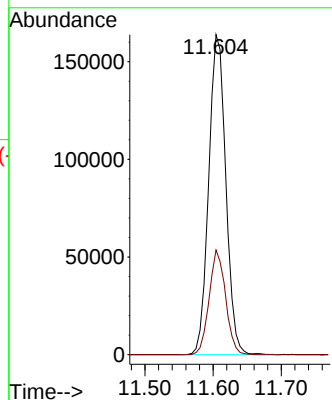
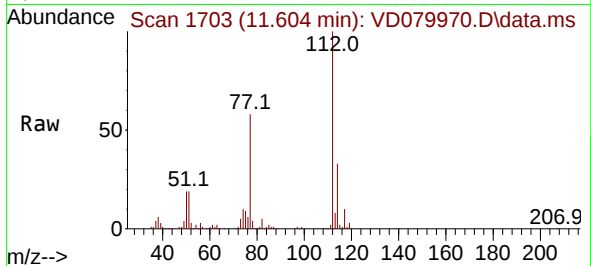




#65  
Chlorobenzene  
Concen: 53.211 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

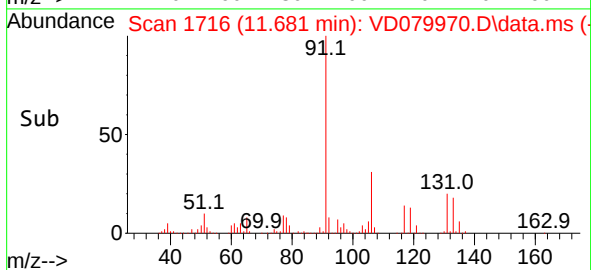
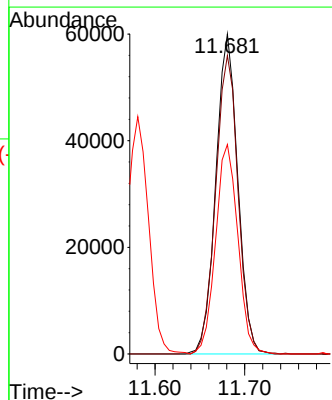
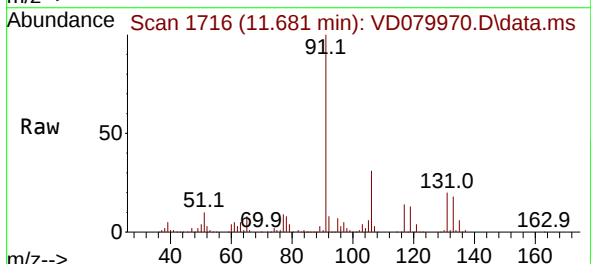
Instrument :  
MSVOA\_D  
ClientSampleId :

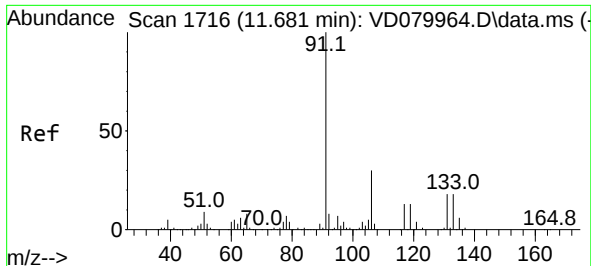
Tgt Ion:112 Resp: 285949  
Ion Ratio Lower Upper  
112 100  
114 32.7 24.6 37.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.743 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:131 Resp: 101825  
Ion Ratio Lower Upper  
131 100  
133 95.6 48.8 146.4  
119 66.6 34.8 104.3

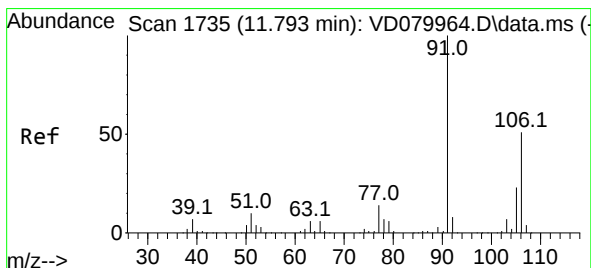
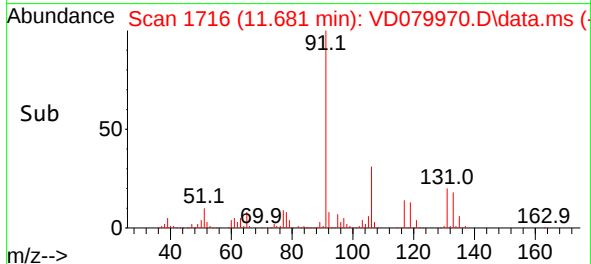
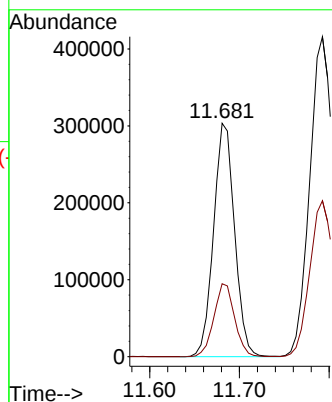
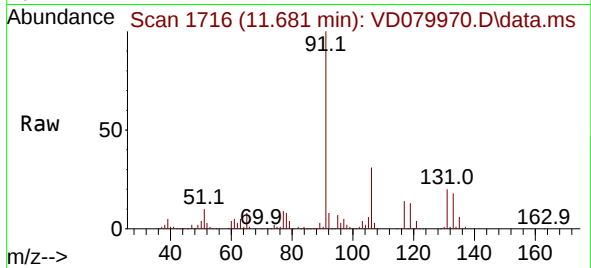




#67  
Ethyl Benzene  
Concen: 54.287 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

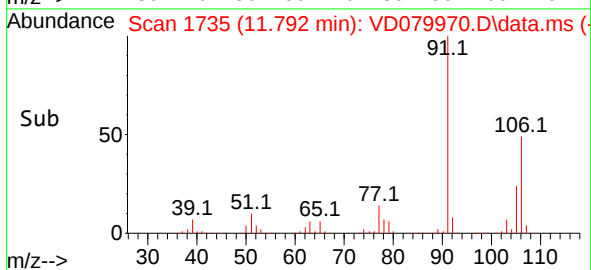
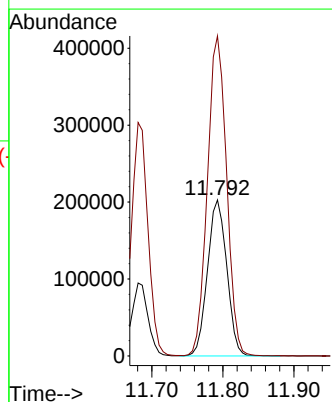
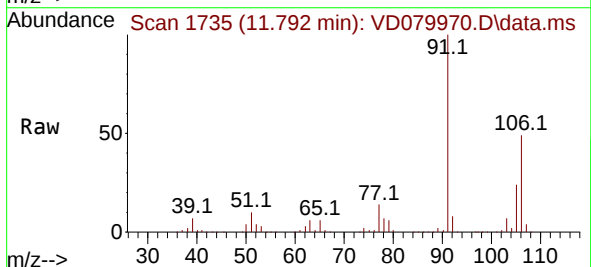
Instrument :  
MSVOA\_D  
ClientSampleId :

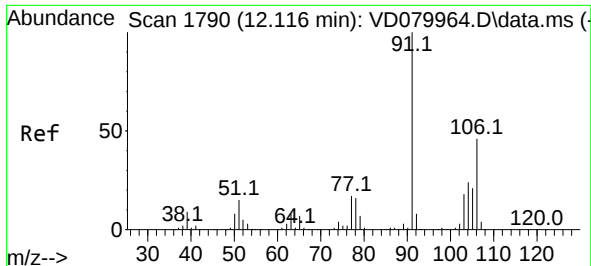
Tgt Ion: 91 Resp: 493431  
Ion Ratio Lower Upper  
91 100  
106 31.3 23.6 35.4



#68  
m/p-Xylenes  
Concen: 109.703 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:106 Resp: 382668  
Ion Ratio Lower Upper  
106 100  
91 203.9 162.6 244.0

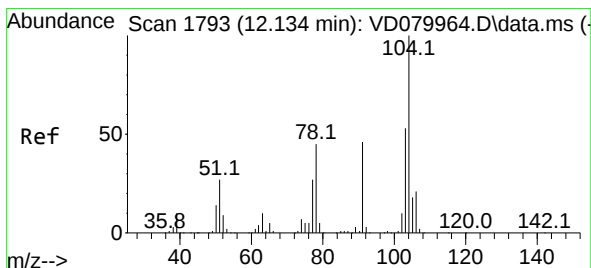
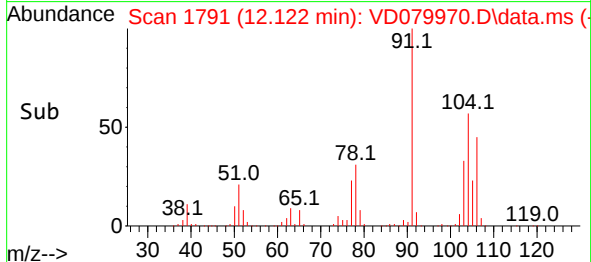
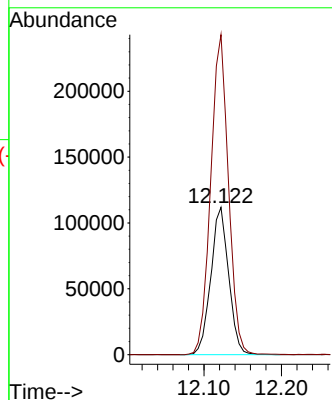
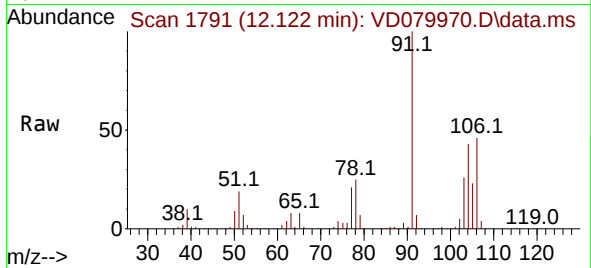




#69  
o-Xylene  
Concen: 55.436 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

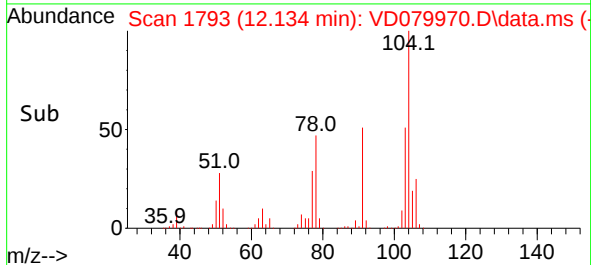
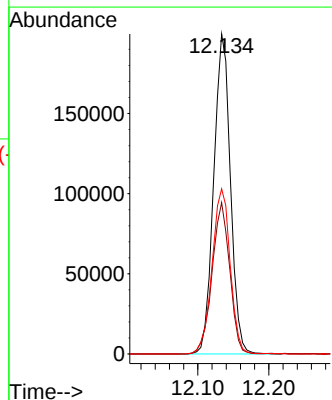
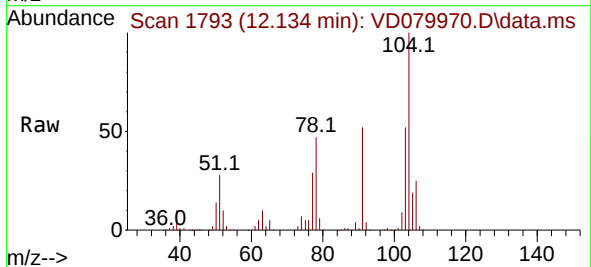
Instrument :  
MSVOA\_D  
ClientSampleId :

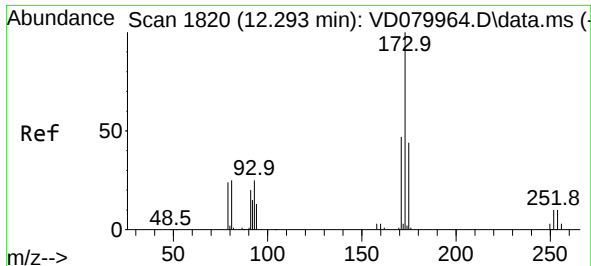
Tgt Ion:106 Resp: 178913  
Ion Ratio Lower Upper  
106 100  
91 216.1 110.5 331.5



#70  
Styrene  
Concen: 56.597 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:104 Resp: 325040  
Ion Ratio Lower Upper  
104 100  
78 50.0 39.8 59.8  
103 55.8 45.2 67.8

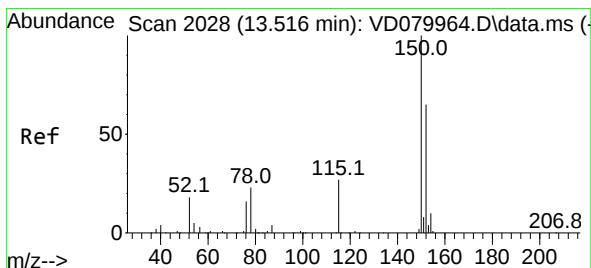
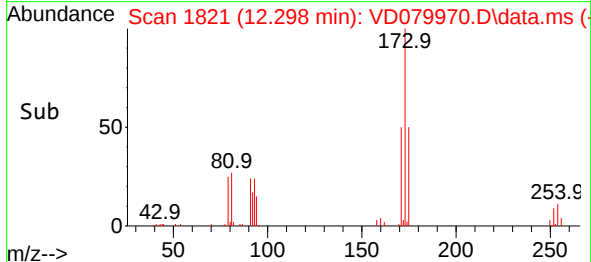
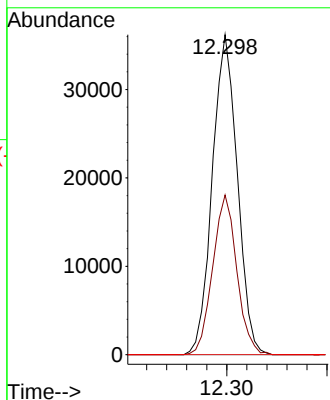
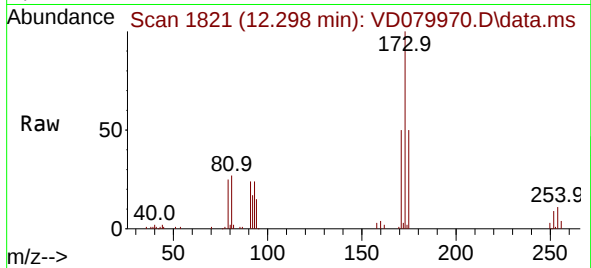




#71  
Bromoform  
Concen: 53.937 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

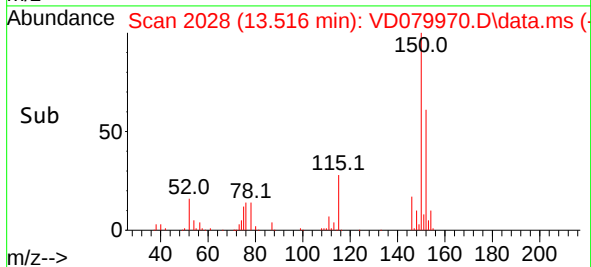
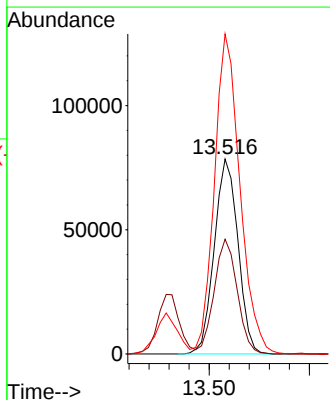
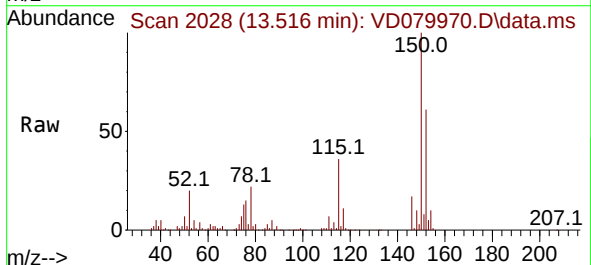
Instrument :  
MSVOA\_D  
ClientSampleId :

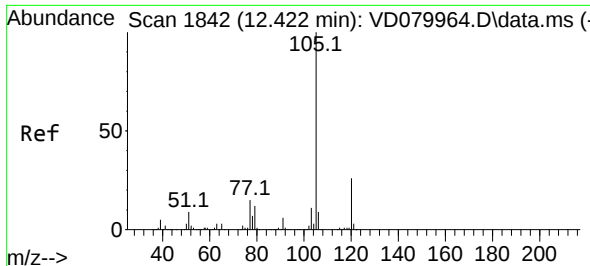
Tgt Ion:173 Resp: 62622  
Ion Ratio Lower Upper  
173 100  
175 48.1 24.8 74.3  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

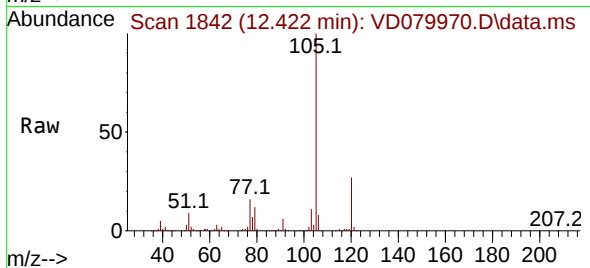
Tgt Ion:152 Resp: 128702  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.9 86.8  
150 176.9 0.0 354.8



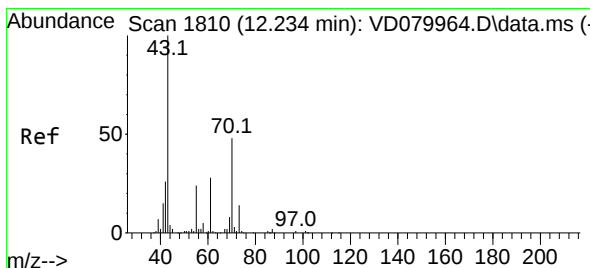
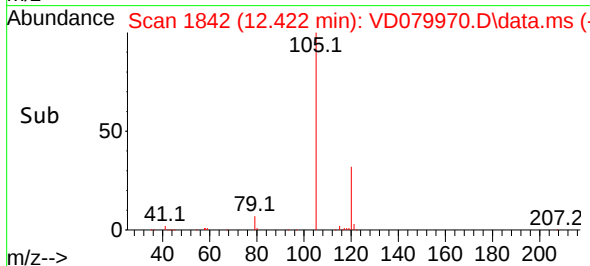
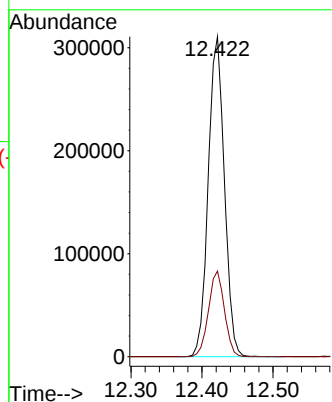


#73  
Isopropylbenzene  
Concen: 56.109 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

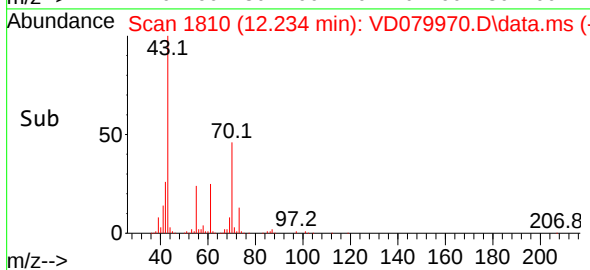
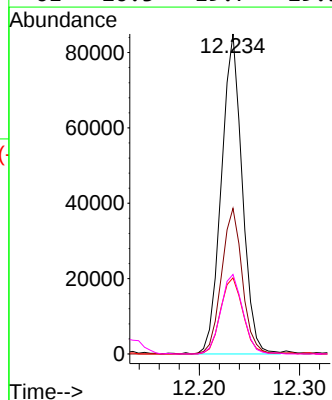
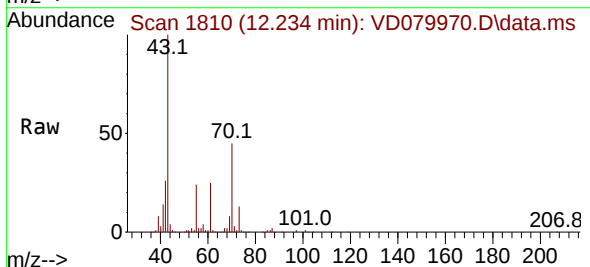


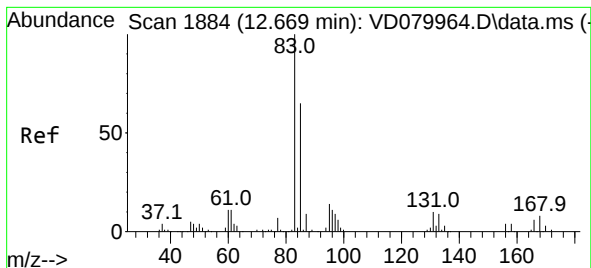
Tgt Ion:105 Resp: 491255  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.3 39.9



#74  
N-ethyl acetate  
Concen: 57.847 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 43 Resp: 122494  
Ion Ratio Lower Upper  
43 100  
70 45.6 36.3 54.5  
55 25.8 20.3 30.5  
61 26.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.805 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

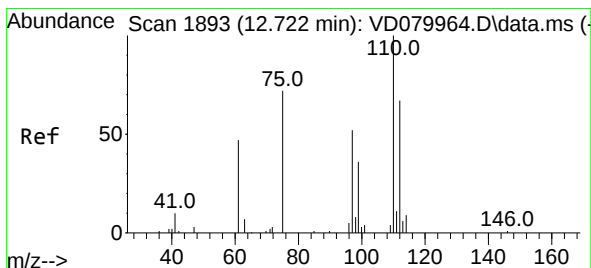
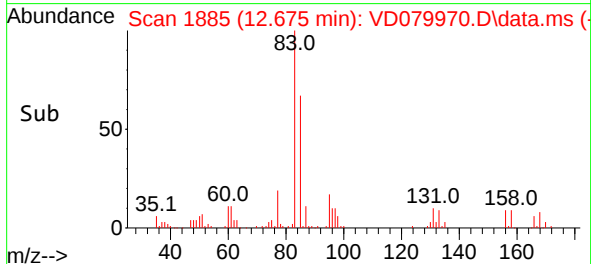
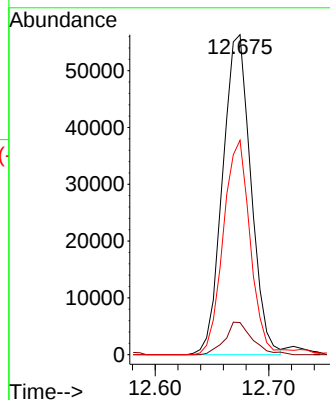
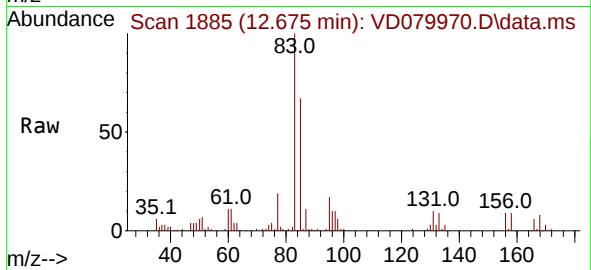
Tgt Ion: 83 Resp: 97289

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

85 65.1 32.9 98.6



#76

1,2,3-Trichloropropane

Concen: 86.834 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD079970.D

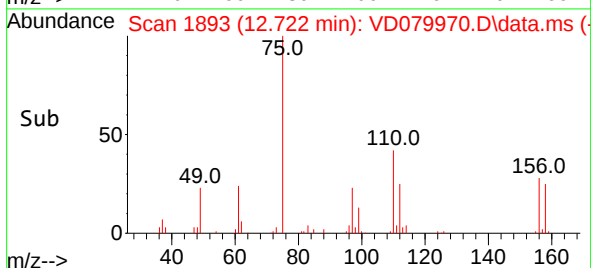
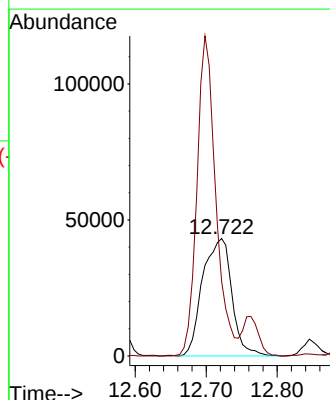
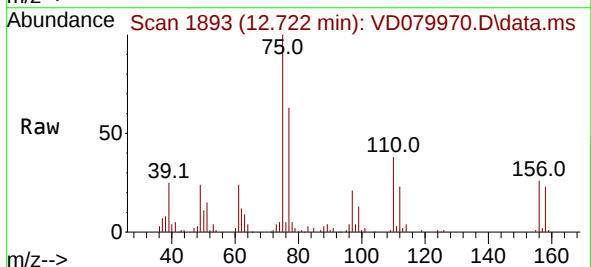
Acq: 14 Oct 2024 10:16

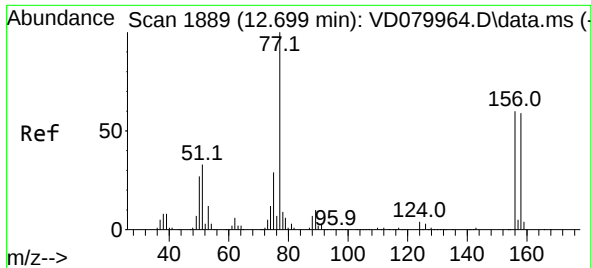
Tgt Ion: 75 Resp: 123295

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

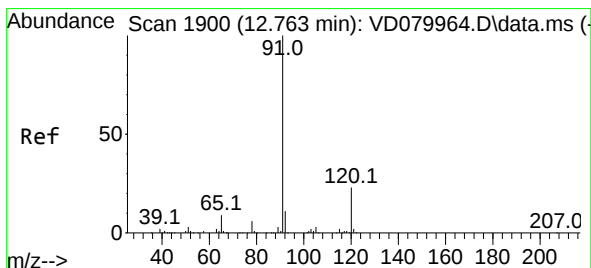
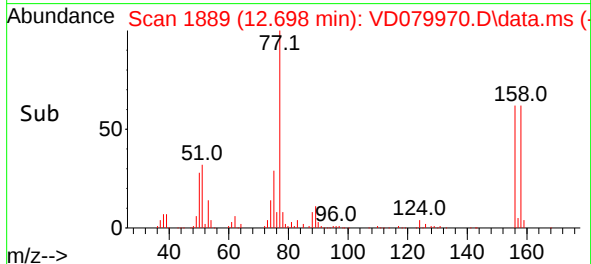
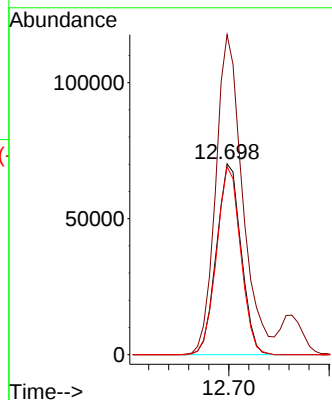
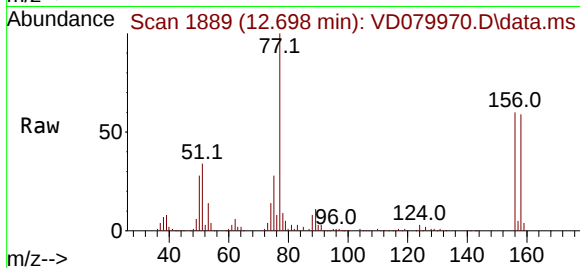




#77  
Bromobenzene  
Concen: 52.756 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

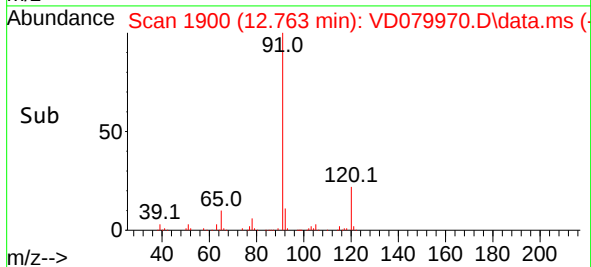
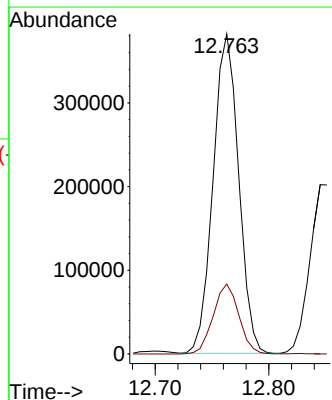
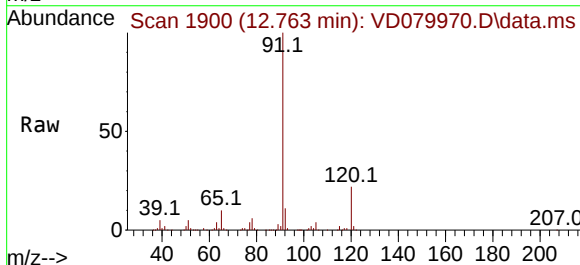
Instrument :  
MSVOA\_D  
ClientSampleId :

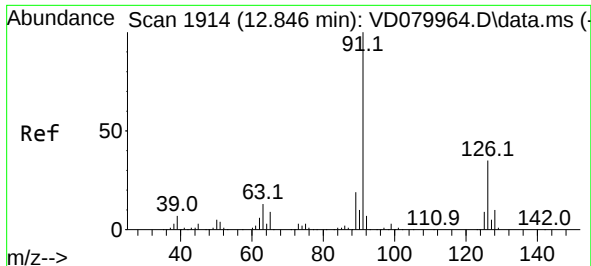
Tgt Ion:156 Resp: 119497  
Ion Ratio Lower Upper  
156 100  
77 183.0 89.8 269.6  
158 96.4 47.9 143.8



#78  
n-propylbenzene  
Concen: 54.731 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 91 Resp: 595742  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.2 33.5





#79

2-Chlorotoluene

Concen: 53.583 ug/l

RT: 12.845 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

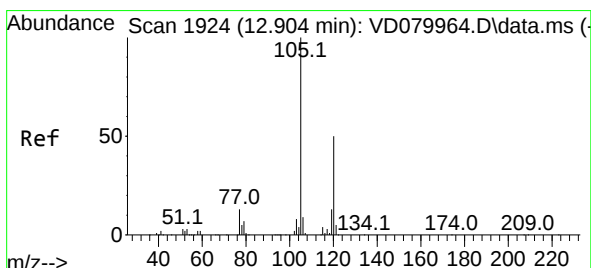
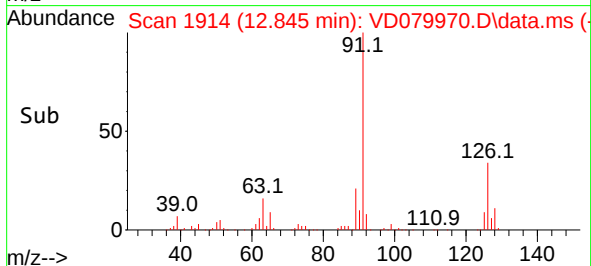
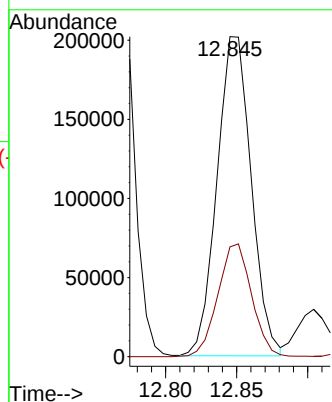
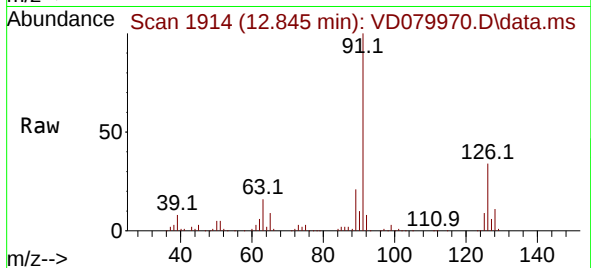
ClientSampleId :

Tgt Ion: 91 Resp: 338855

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 54.102 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD079970.D

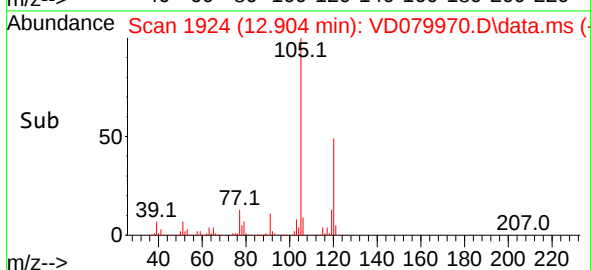
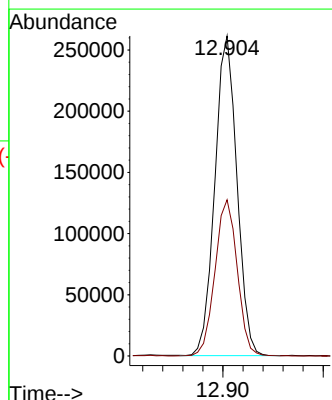
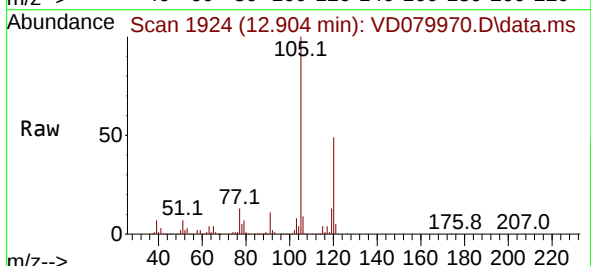
Acq: 14 Oct 2024 10:16

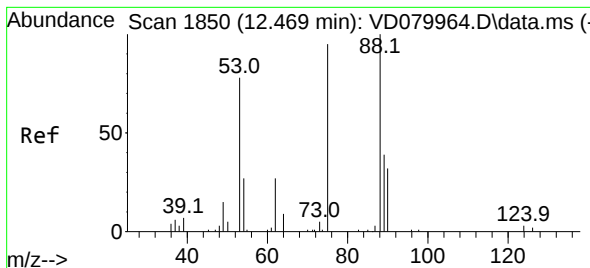
Tgt Ion:105 Resp: 399219

Ion Ratio Lower Upper

105 100

120 49.3 25.0 75.0

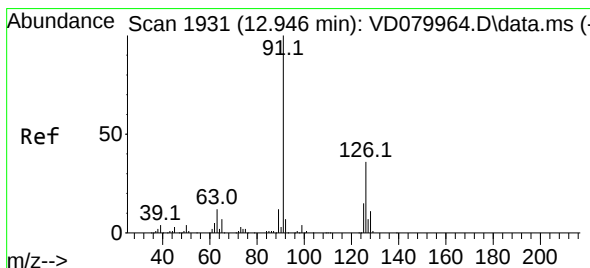
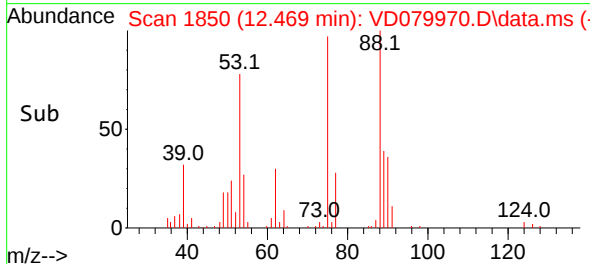
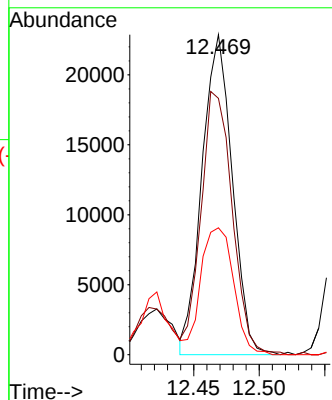
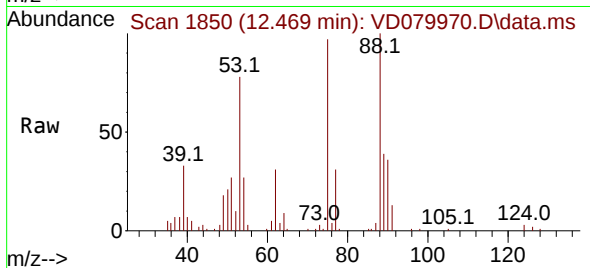




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.687 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

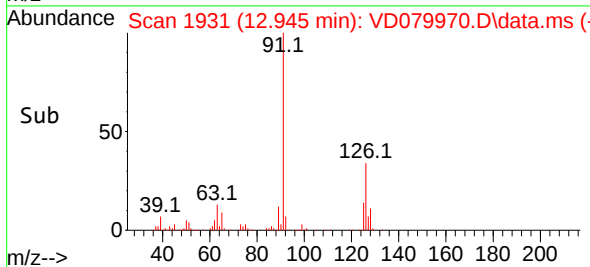
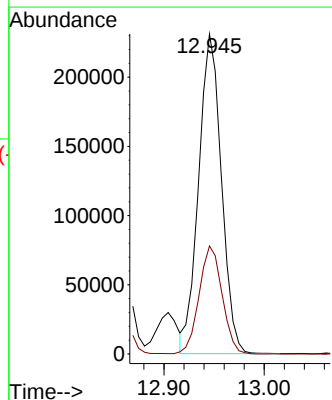
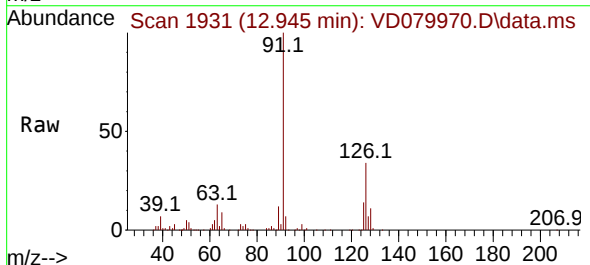
Instrument :  
MSVOA\_D  
ClientSampleId :

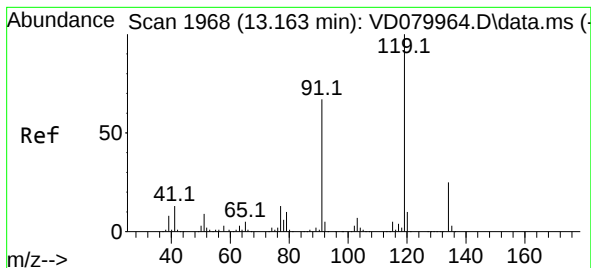
Tgt Ion: 75 Resp: 36703  
Ion Ratio Lower Upper  
75 100  
53 85.1 68.7 103.1  
89 43.3 36.1 54.1



#82  
4-Chlorotoluene  
Concen: 53.747 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 91 Resp: 365152  
Ion Ratio Lower Upper  
91 100  
126 34.1 16.8 50.3





#83

tert-Butylbenzene

Concen: 56.411 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

ClientSampleId :

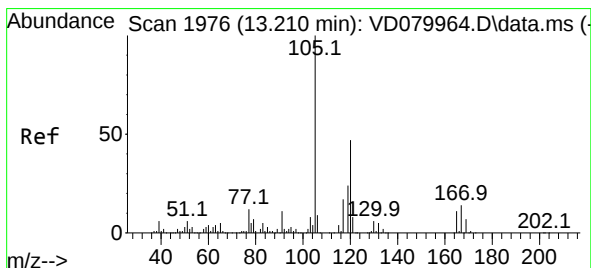
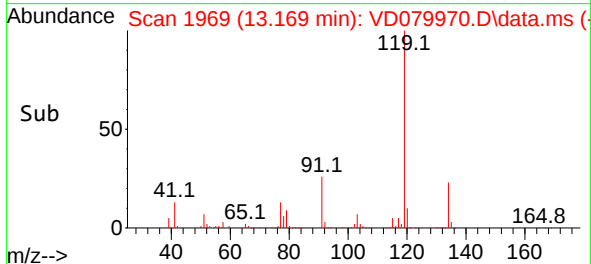
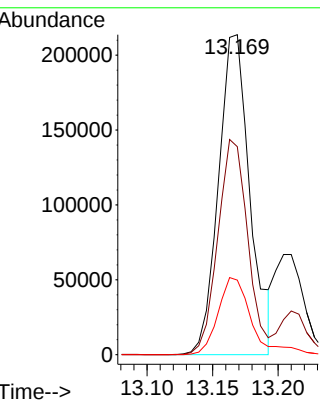
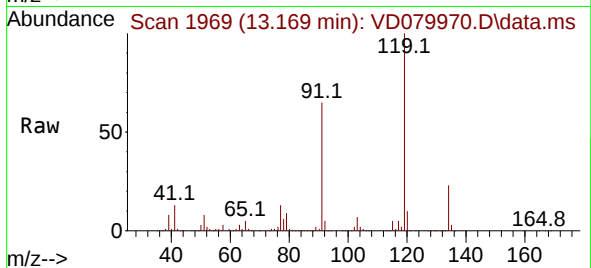
Tgt Ion:119 Resp: 356767

Ion Ratio Lower Upper

119 100

91 64.1 33.3 99.9

134 25.6 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 56.170 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079970.D

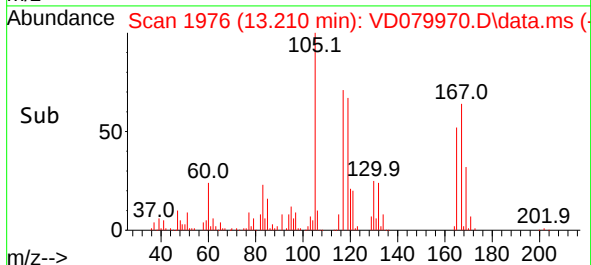
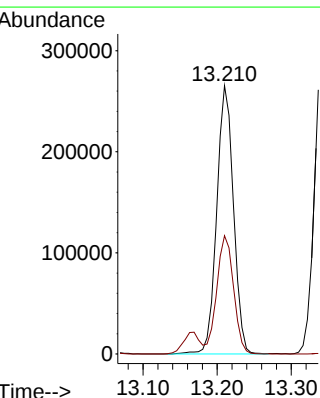
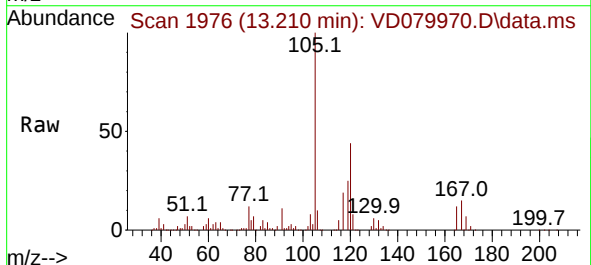
Acq: 14 Oct 2024 10:16

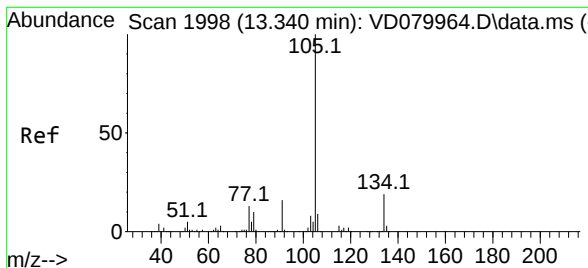
Tgt Ion:105 Resp: 416219

Ion Ratio Lower Upper

105 100

120 44.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 54.711 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

Instrument :

MSVOA\_D

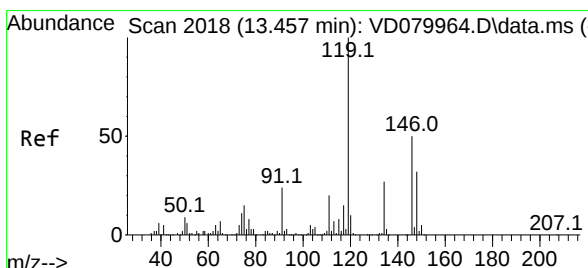
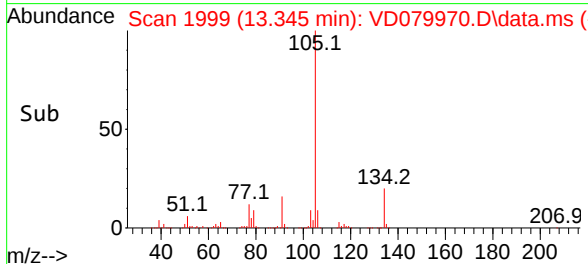
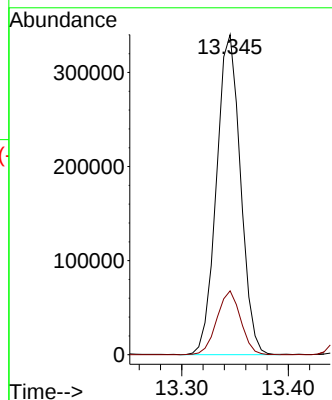
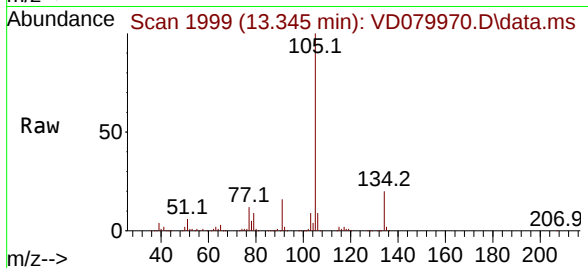
ClientSampleId :

Tgt Ion:105 Resp: 531799

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 55.862 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079970.D

Acq: 14 Oct 2024 10:16

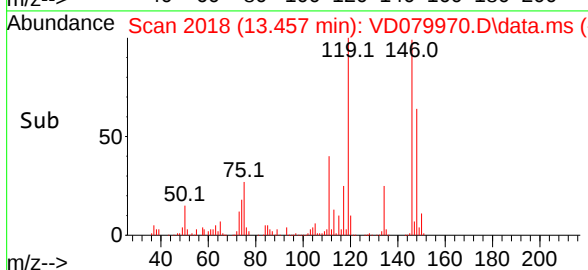
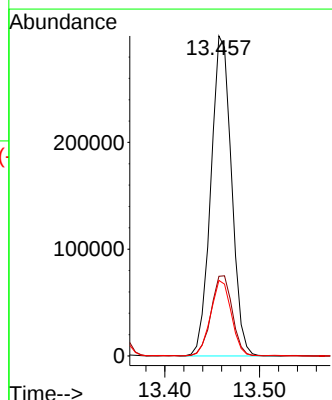
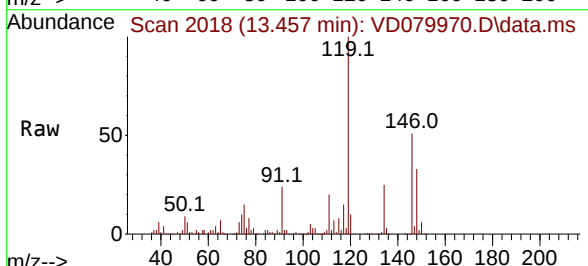
Tgt Ion:119 Resp: 452987

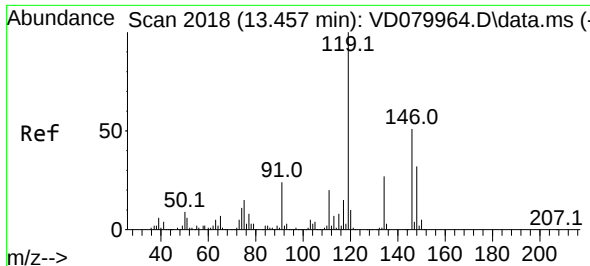
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.6 12.2 36.4

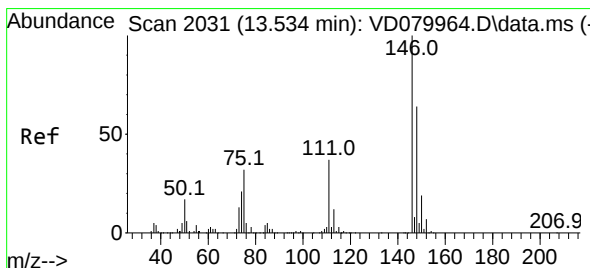
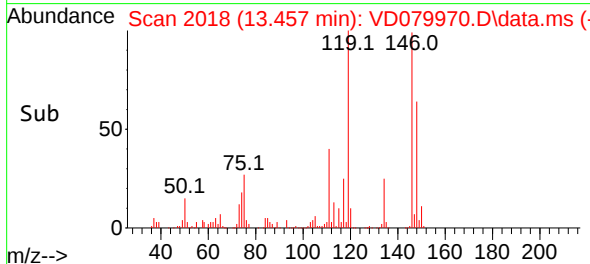
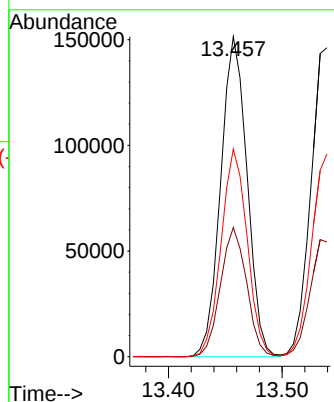
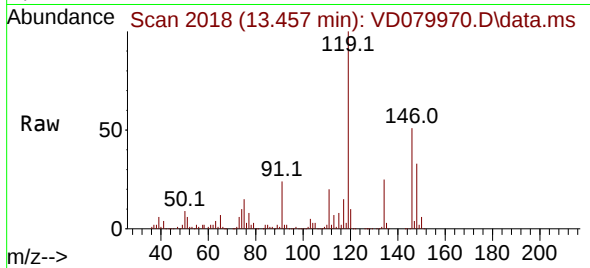




#87  
1,3-Dichlorobenzene  
Concen: 52.774 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

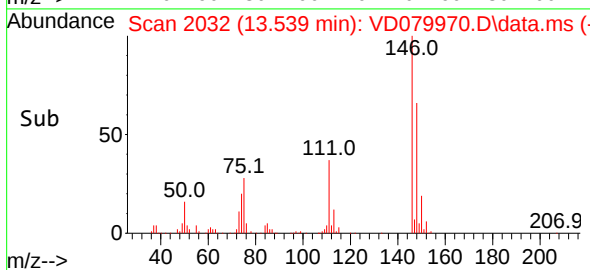
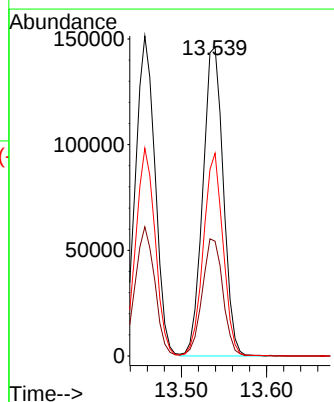
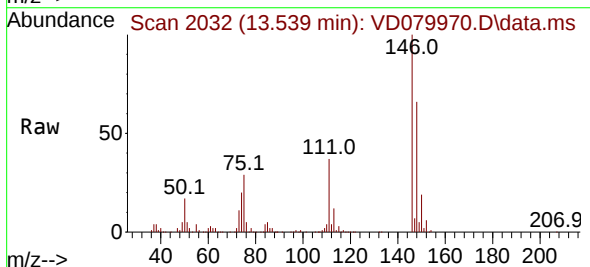
Instrument :  
MSVOA\_D  
ClientSampleId :

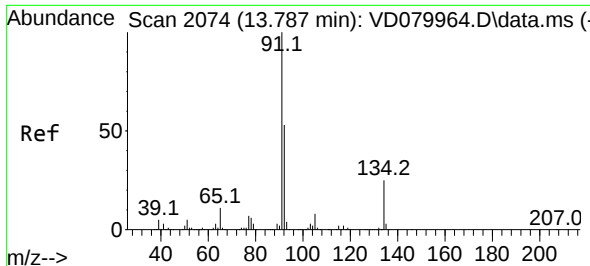
Tgt Ion:146 Resp: 244566  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.0 59.9  
148 64.2 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 52.629 ug/l  
RT: 13.539 min Scan# 2032  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

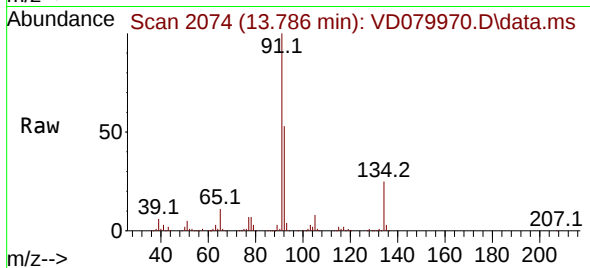
Tgt Ion:146 Resp: 243682  
Ion Ratio Lower Upper  
146 100  
111 38.4 19.3 57.8  
148 63.2 32.9 98.7



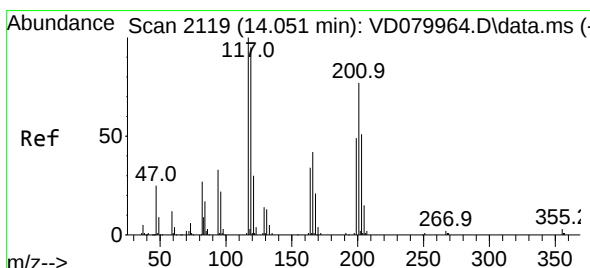
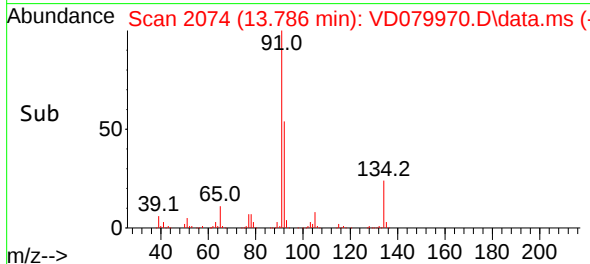
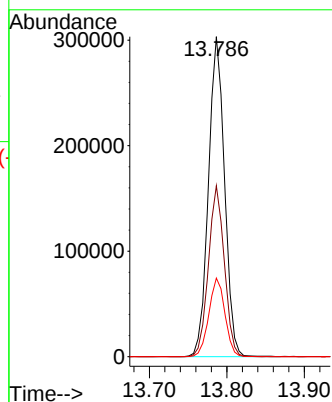


#89  
n-Butylbenzene  
Concen: 55.797 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

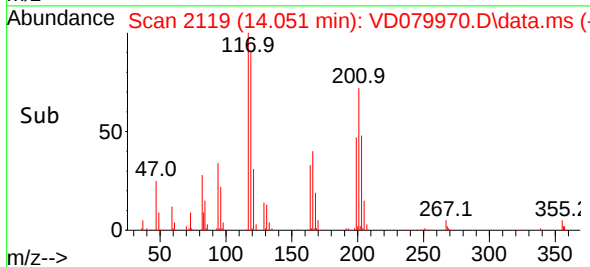
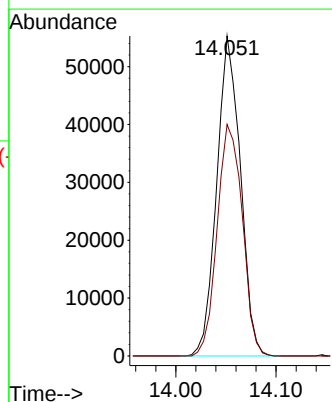
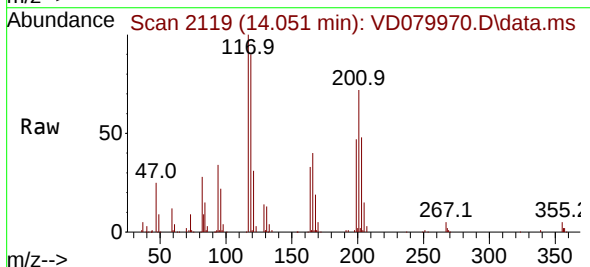


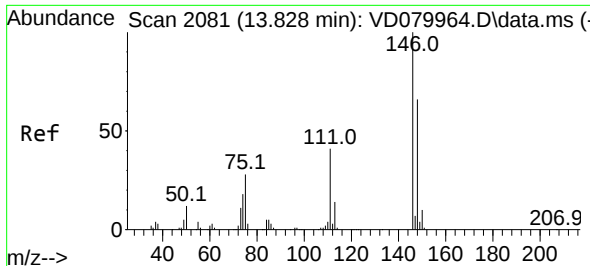
Tgt Ion: 91 Resp: 437621  
Ion Ratio Lower Upper  
91 100  
92 52.8 26.3 78.9  
134 24.6 12.3 36.8



#90  
Hexachloroethane  
Concen: 50.554 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 117 Resp: 90615  
Ion Ratio Lower Upper  
117 100  
201 76.9 37.5 112.5

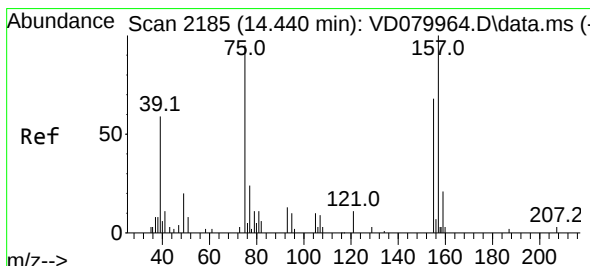
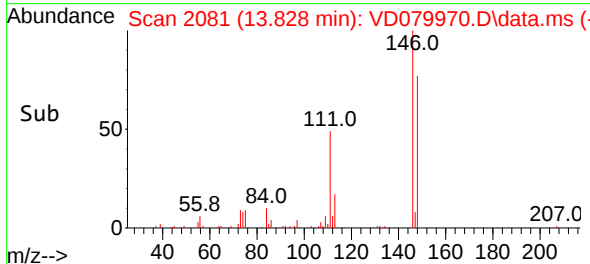
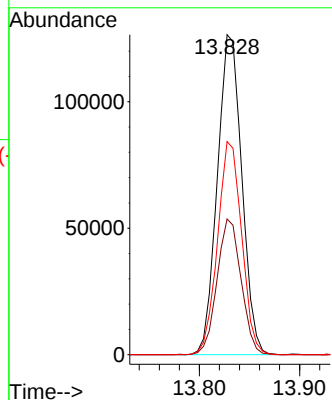
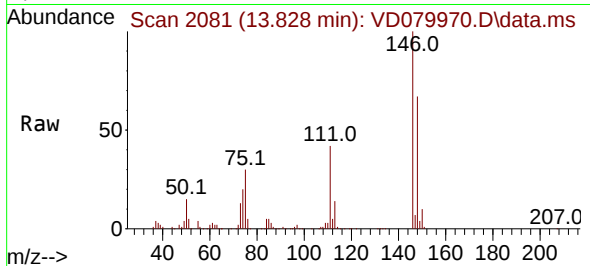




#91  
1,2-Dichlorobenzene  
Concen: 52.996 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

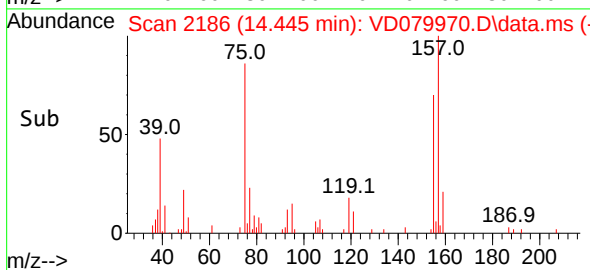
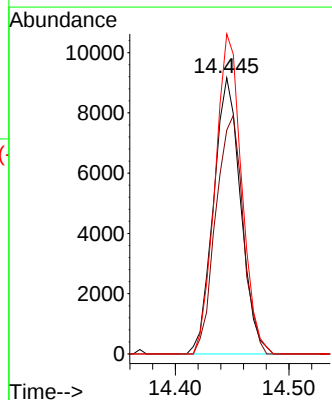
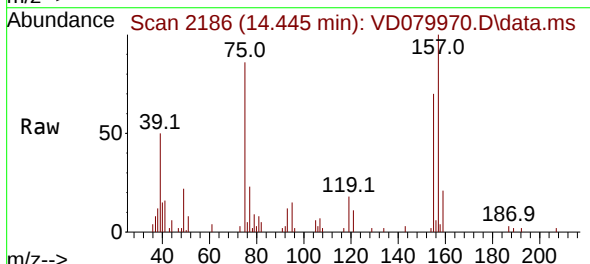
Instrument :  
MSVOA\_D  
ClientSampleId :

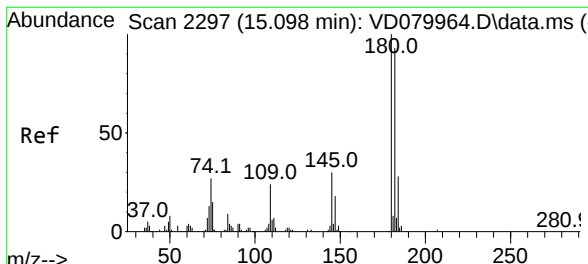
Tgt Ion:146 Resp: 214546  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.6 61.8  
148 65.5 32.7 98.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.463 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion: 75 Resp: 15254  
Ion Ratio Lower Upper  
75 100  
155 86.5 40.6 122.0  
157 112.6 53.3 159.9

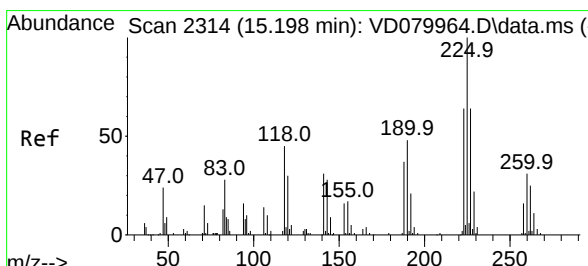
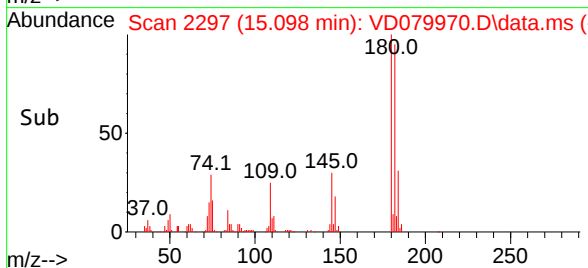
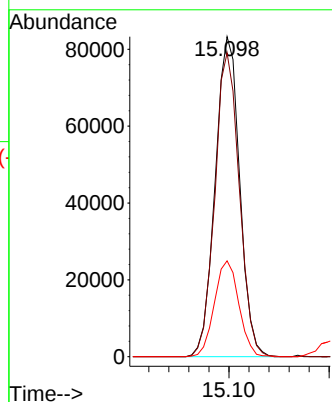
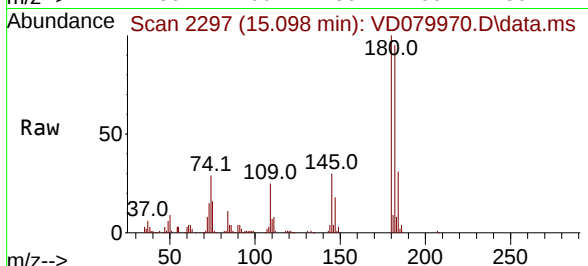




#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.489 ug/l  
 RT: 15.098 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VD079970.D  
 Acq: 14 Oct 2024 10:16

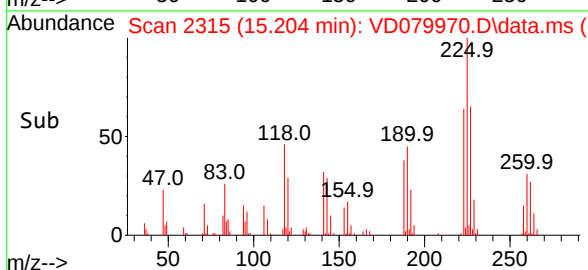
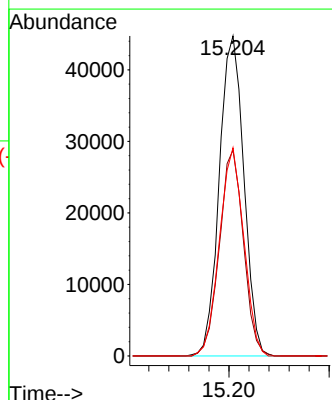
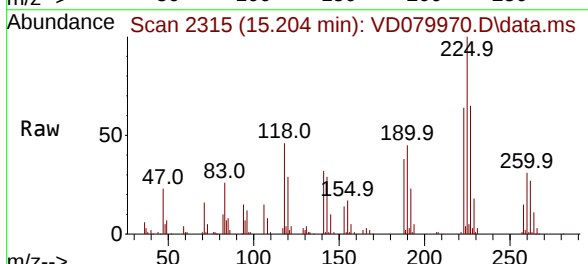
Instrument :  
 MSVOA\_D  
 ClientSampleId :

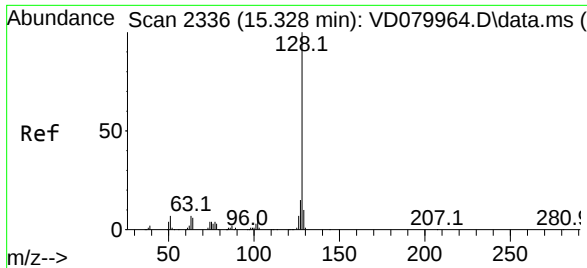
Tgt Ion:180 Resp: 140776  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 47.4 142.2  
 145 29.9 14.7 44.1



#94  
 Hexachlorobutadiene  
 Concen: 54.306 ug/l  
 RT: 15.204 min Scan# 2315  
 Delta R.T. 0.006 min  
 Lab File: VD079970.D  
 Acq: 14 Oct 2024 10:16

Tgt Ion:225 Resp: 75869  
 Ion Ratio Lower Upper  
 225 100  
 223 62.8 31.5 94.5  
 227 64.5 30.9 92.5

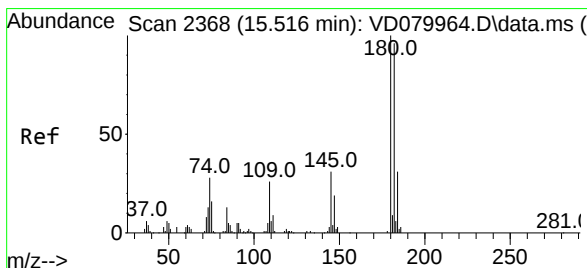
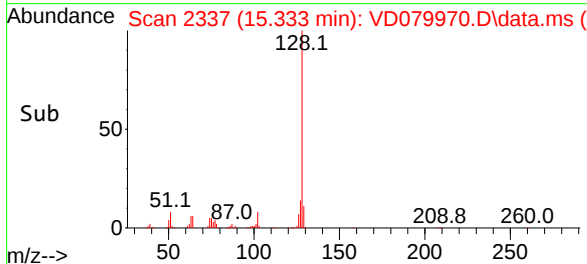
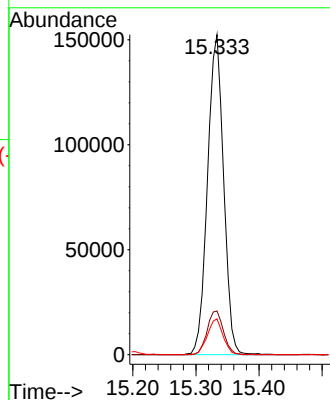
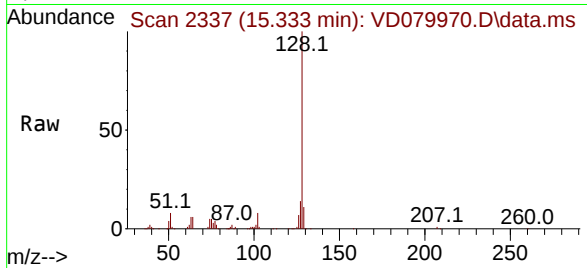




#95  
Naphthalene  
Concen: 59.661 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 269941  
Ion Ratio Lower Upper  
128 100  
127 13.7 11.8 17.8  
129 11.2 8.3 12.5



#96  
1,2,3-Trichlorobenzene  
Concen: 57.181 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.006 min  
Lab File: VD079970.D  
Acq: 14 Oct 2024 10:16

Tgt Ion:180 Resp: 128562  
Ion Ratio Lower Upper  
180 100  
182 94.4 47.5 142.6  
145 30.9 15.7 47.0

