

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052224\  
 Data File : VY018345.D  
 Acq On : 22 May 2024 13:30  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Quant Time: May 23 01:18:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:01:50 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 154021   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 277579   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 238575   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 102769   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 15507    | 10.627   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 21.260%# |
| 35) Dibromofluoromethane    | 7.710  | 113   | 15716    | 9.709    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 19.420%# |
| 50) Toluene-d8              | 10.179 | 98    | 63455    | 10.055   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 20.100%# |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 20184    | 10.350   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 20.700%# |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        | Qvalue |        |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 11157  | 8.487  | ug/l   | 94  |
| 3) Chloromethane             | 2.101 | 50  | 18254  | 8.544  | ug/l # | 88  |
| 4) Vinyl Chloride            | 2.241 | 62  | 21524  | 9.006  | ug/l   | 97  |
| 5) Bromomethane              | 2.644 | 94  | 14008  | 8.198  | ug/l   | 99  |
| 6) Chloroethane              | 2.784 | 64  | 13209  | 8.514  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.113 | 101 | 24134  | 8.998  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.515 | 74  | 7256   | 8.473  | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 3.887 | 101 | 15052  | 9.097  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.089 | 142 | 13555  | 8.146  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.936 | 59  | 9100   | 27.129 | ug/l # | 79  |
| 12) 1,1-Dichloroethene       | 3.863 | 96  | 14128  | 8.669  | ug/l   | 99  |
| 13) Acrolein                 | 3.723 | 56  | 8200   | 56.378 | ug/l   | 96  |
| 14) Allyl chloride           | 4.467 | 41  | 20958  | 9.208  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.155 | 53  | 17710  | 47.810 | ug/l   | 97  |
| 16) Acetone                  | 3.942 | 43  | 12844  | 42.795 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.180 | 76  | 37224  | 8.180  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.467 | 43  | 8088   | 10.167 | ug/l # | 74  |
| 19) Methyl tert-butyl Ether  | 5.198 | 73  | 35607  | 9.112  | ug/l   | 92  |
| 20) Methylene Chloride       | 4.698 | 84  | 19868  | 7.370  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 14757  | 8.584  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.113 | 45  | 44446  | 9.397  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.045 | 43  | 137036 | 45.248 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 6.003 | 63  | 27123  | 9.351  | ug/l   | 97  |
| 25) 2-Butanone               | 6.978 | 43  | 22071  | 46.406 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 22708  | 9.056  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 17726  | 8.774  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.320 | 49  | 10472  | 10.630 | ug/l # | 77  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 14656  | 46.817 | ug/l   | 93  |
| 30) Chloroform               | 7.503 | 83  | 26436  | 8.941  | ug/l   | 91  |
| 31) Cyclohexane              | 7.777 | 56  | 27592  | 8.665  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.692 | 97  | 22607  | 8.712  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.905 | 75  | 19564  | 8.334  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.064 | 43  | 11484  | 10.226 | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 19967  | 8.305  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.179 | 83  | 27456  | 8.384  | ug/l   | 95  |
| 40) Benzene                  | 8.155 | 78  | 61630  | 8.612  | ug/l   | 100 |

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 ALS Vial : 5 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

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 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 14269    | 22.981  | ug/l # | 25       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 15009    | 8.719   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.265  | 43   | 19354    | 8.833   | ug/l   | 93       |
| 44) Trichloroethene           | 8.935  | 130  | 15004    | 8.180   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 14858    | 9.231   | ug/l   | 96       |
| 46) Dibromomethane            | 9.301  | 93   | 7705     | 8.158   | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.490  | 83   | 18955    | 8.270   | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.283  | 41   | 8120     | 8.193   | ug/l # | 89       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 2088     | 170.399 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 50857    | 45.991  | ug/l   | 94       |
| 52) Toluene                   | 10.240 | 92   | 37777    | 8.421   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 17692    | 8.443   | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 21986    | 8.563   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 11068    | 8.846   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 15614    | 9.098   | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 18413    | 8.682   | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 37031    | 47.752  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 33901    | 44.554  | ug/l   | 93       |
| 60) Dibromochloromethane      | 10.978 | 129  | 12508    | 8.276   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 9838     | 8.521   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 13291    | 7.853   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.514 | 112  | 41094    | 8.338   | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 12615    | 8.091   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 71833    | 8.300   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.697 | 106  | 54962    | 16.505  | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 26712    | 8.500   | ug/l   | 100      |
| 70) Styrene                   | 12.044 | 104  | 43221    | 8.320   | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 6047     | 7.333   | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.325 | 105  | 70459    | 8.723   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 17681    | 9.382   | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 13047    | 9.480   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 15840    | 16.578  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 14525    | 8.210   | ug/l   | 91       |
| 78) n-propylbenzene           | 12.666 | 91   | 84699    | 8.757   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 46112    | 8.806   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 54994    | 8.664   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 3857     | 8.592   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 48276    | 9.093   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 49765    | 8.482   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 54675    | 8.759   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 76283    | 8.791   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 59051    | 8.320   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 29447    | 8.453   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 28514    | 8.224   | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.697 | 91   | 59172    | 8.871   | ug/l   | 96       |
| 90) Hexachloroethane          | 13.959 | 117  | 10700    | 8.163   | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 25184    | 8.331   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 1769     | 9.371   | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 13588    | 7.892   | ug/l   | 90       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 6608     | 7.499   | ug/l   | 94       |
| 95) Naphthalene               | 15.233 | 128  | 26160    | 7.726   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 11668    | 7.971   | ug/l   | 96       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu May 23 01:01:50 2024  
Response via : Initial Calibration

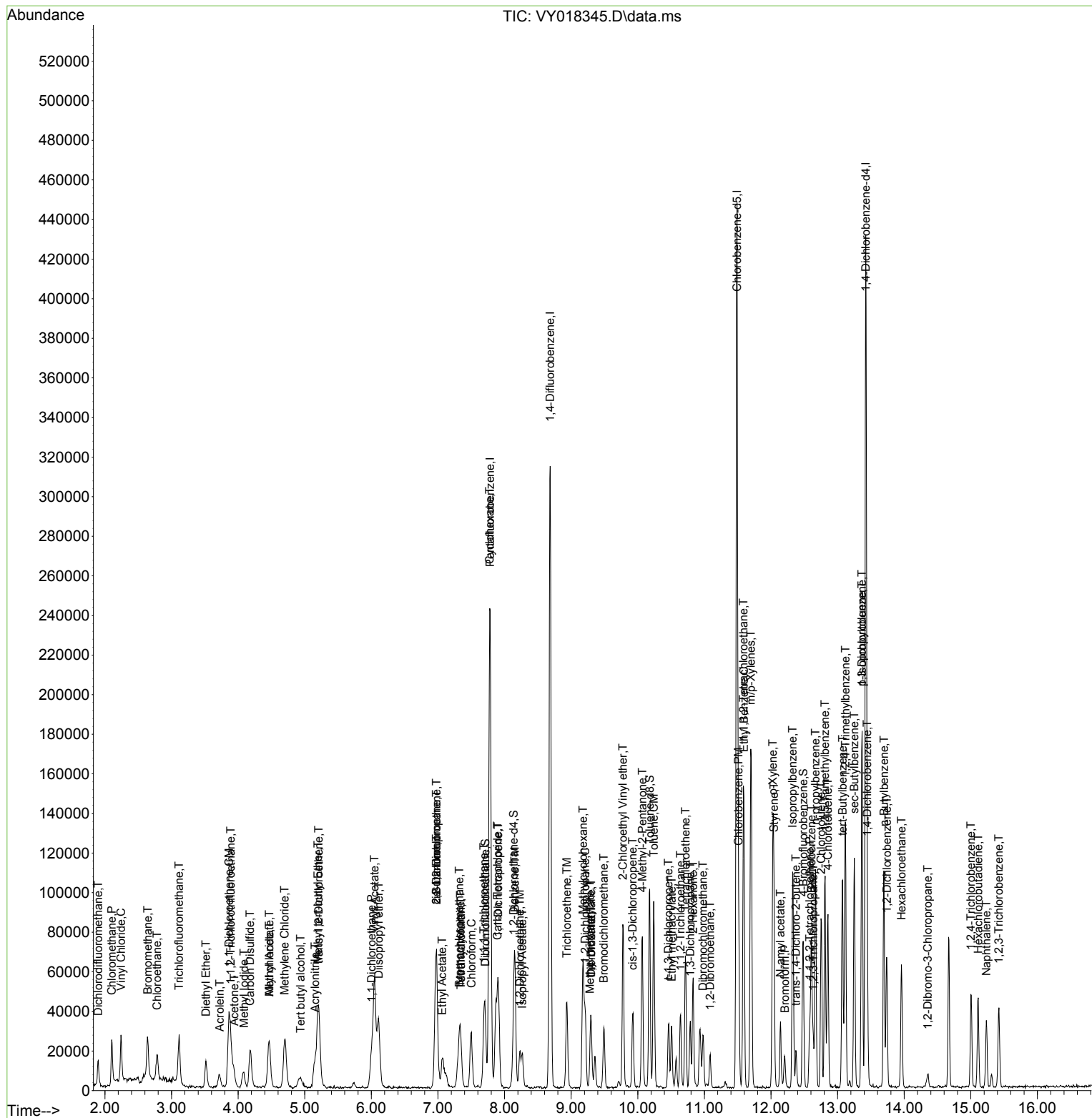
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

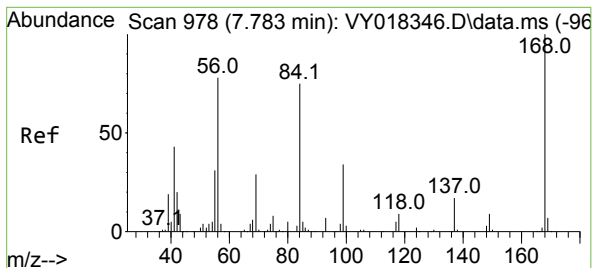
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 Quant Title : SW846 8260  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

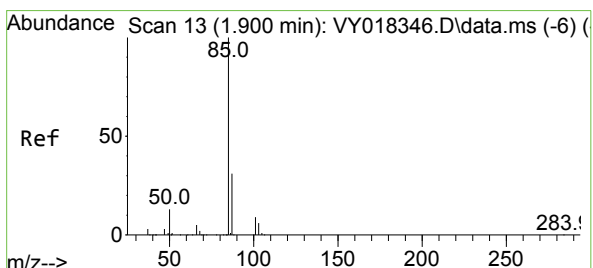
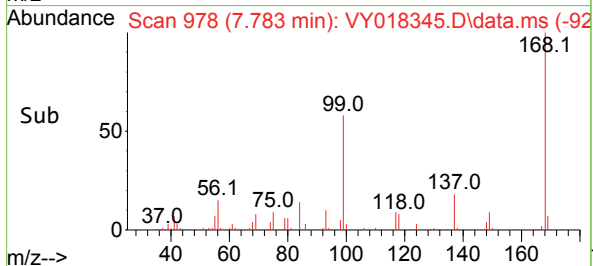
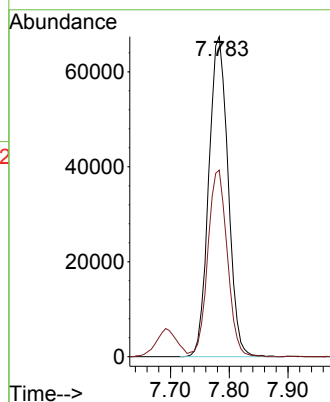
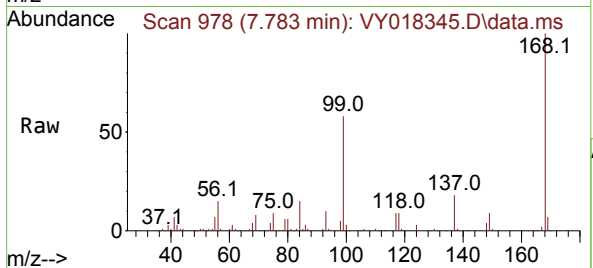
VSTDICC020

Tgt Ion:168 Resp: 154021

Ion Ratio Lower Upper

168 100

99 58.3 39.1 58.7



#2

Dichlorodifluoromethane

Concen: 8.487 ug/l

RT: 1.900 min Scan# 13

Delta R.T. 0.000 min

Lab File: VY018345.D

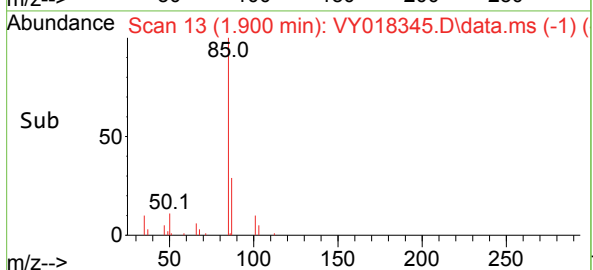
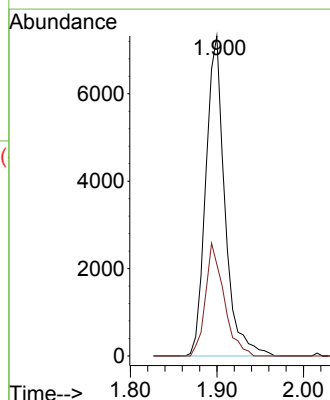
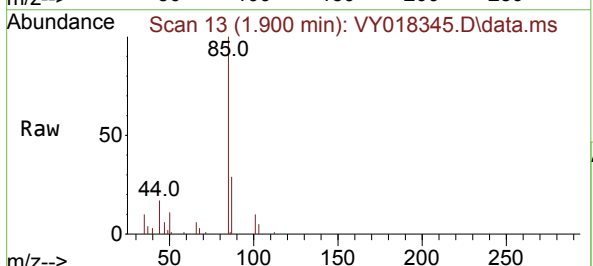
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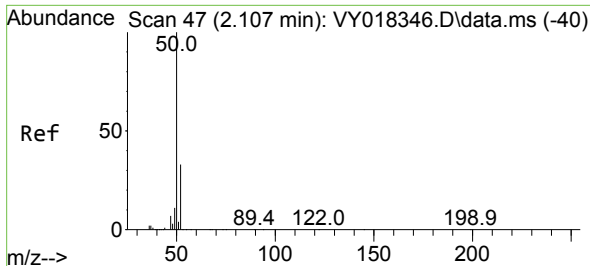
Tgt Ion: 85 Resp: 11157

Ion Ratio Lower Upper

85 100

87 28.6 16.0 48.0

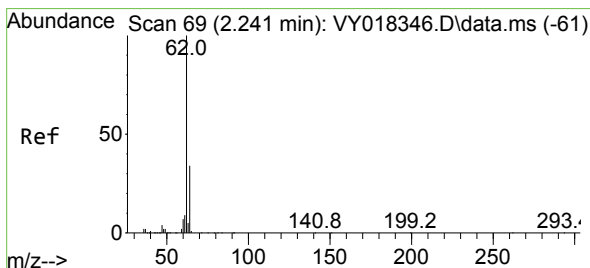
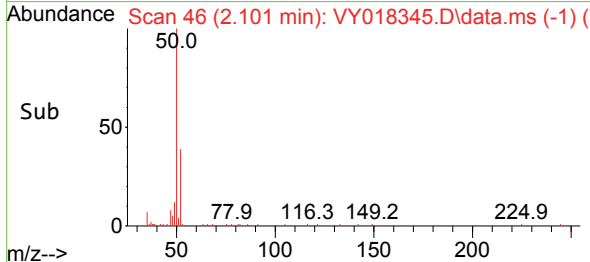
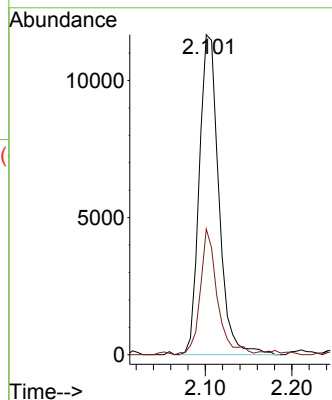
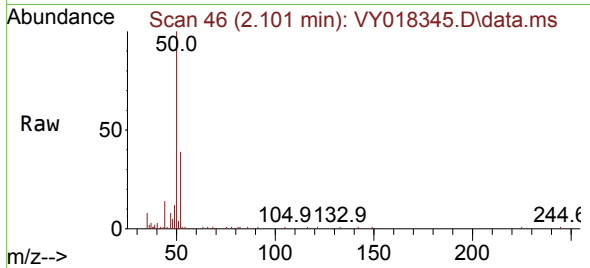




#3  
Chloromethane  
Concen: 8.544 ug/l  
RT: 2.101 min Scan# 46  
Delta R.T. -0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

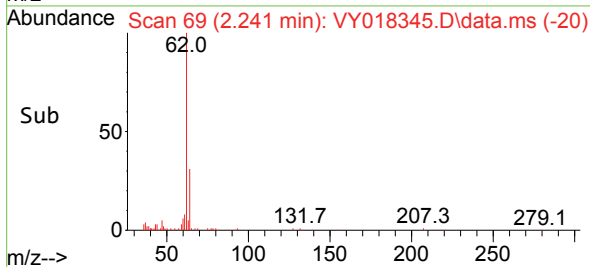
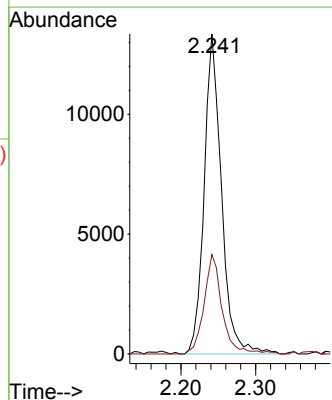
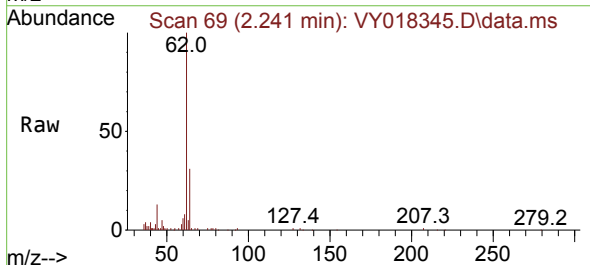
Instrument :  
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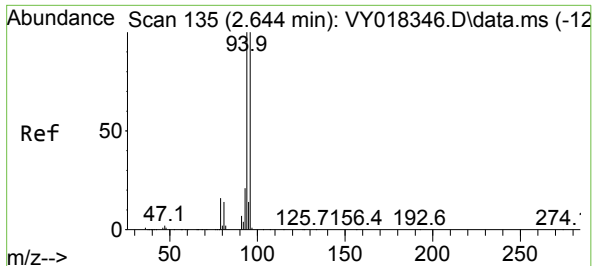
Tgt Ion: 50 Resp: 18254  
Ion Ratio Lower Upper  
50 100  
52 38.7 25.6 38.4#



#4  
Vinyl Chloride  
Concen: 9.006 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 62 Resp: 21524  
Ion Ratio Lower Upper  
62 100  
64 31.1 26.1 39.1

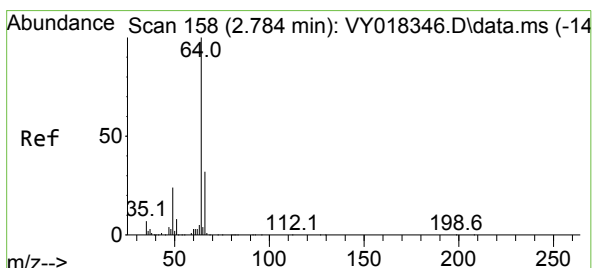
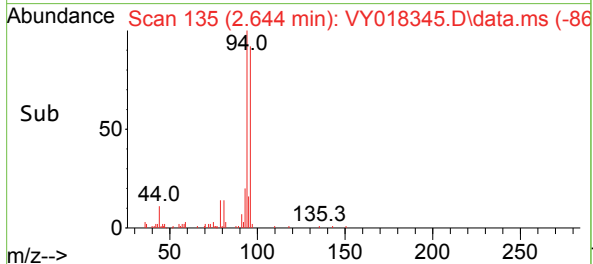
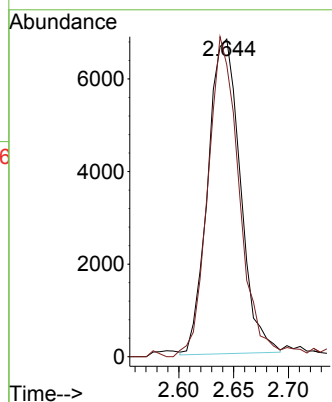
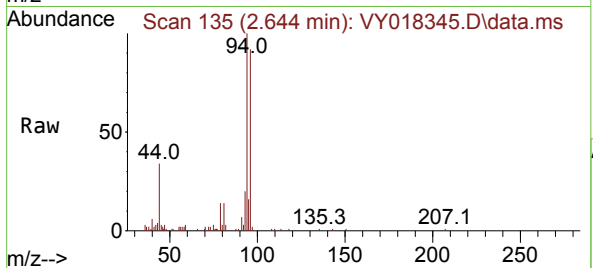




#5  
Bromomethane  
Concen: 8.198 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

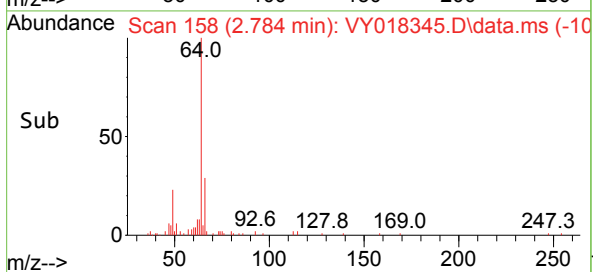
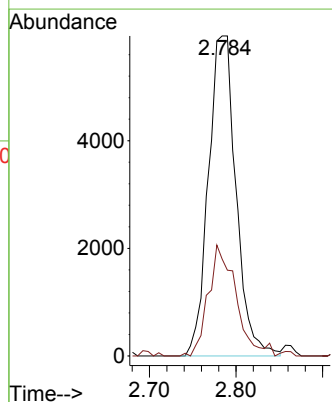
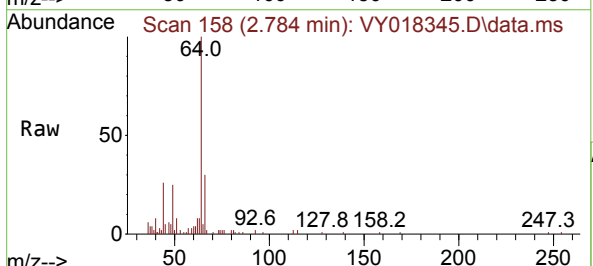
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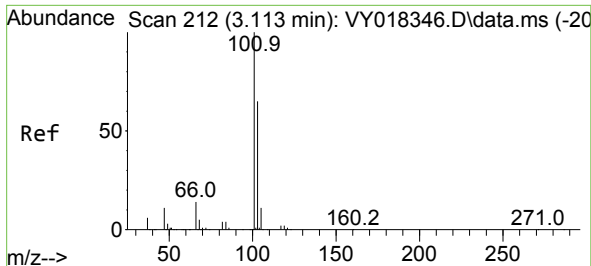
Tgt Ion: 94 Resp: 14008  
Ion Ratio Lower Upper  
94 100  
96 91.8 74.1 111.1



#6  
Chloroethane  
Concen: 8.514 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 64 Resp: 13209  
Ion Ratio Lower Upper  
64 100  
66 30.3 26.1 39.1

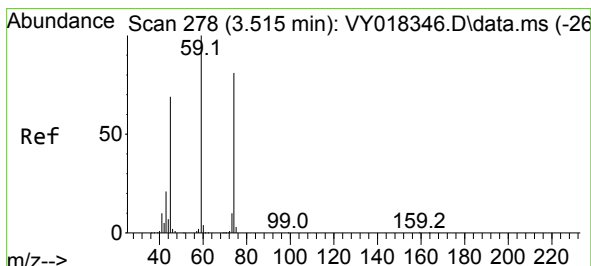
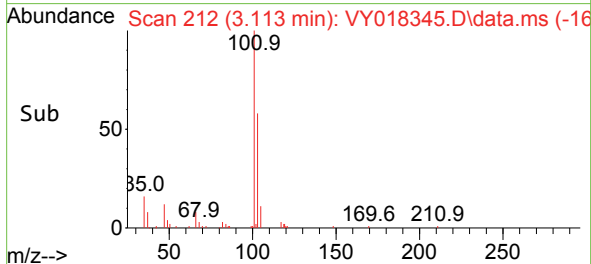
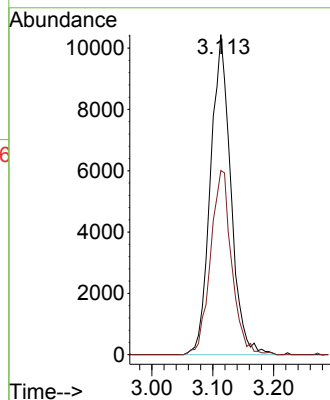
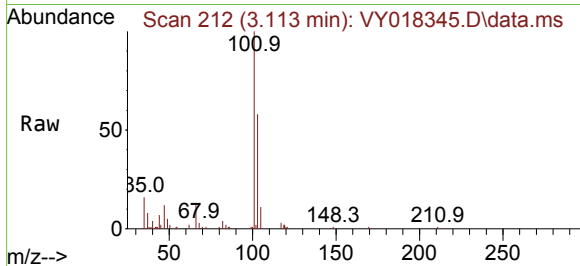




#7  
 Trichlorofluoromethane  
 Concen: 8.998 ug/l  
 RT: 3.113 min Scan# 212  
 Delta R.T. 0.000 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

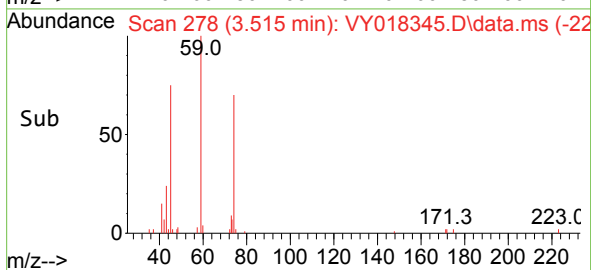
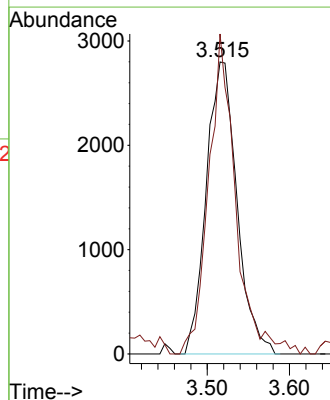
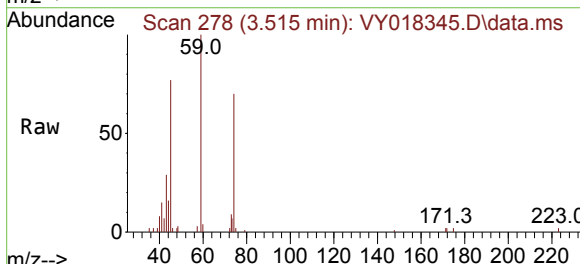
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC020

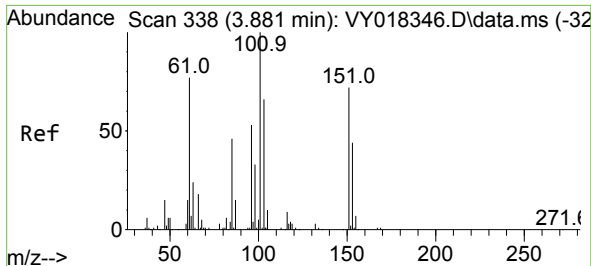
Tgt Ion:101 Resp: 24134  
 Ion Ratio Lower Upper  
 101 100  
 103 57.5 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 8.473 ug/l  
 RT: 3.515 min Scan# 278  
 Delta R.T. 0.000 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

Tgt Ion: 74 Resp: 7256  
 Ion Ratio Lower Upper  
 74 100  
 45 96.6 41.3 124.1

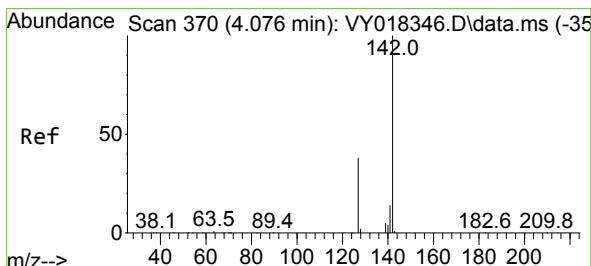
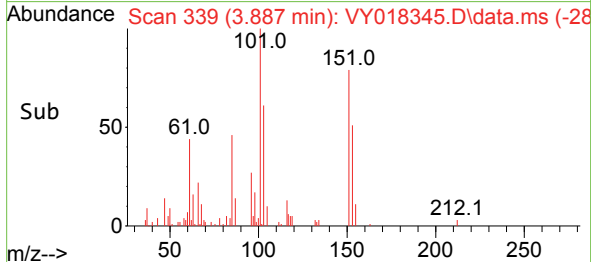
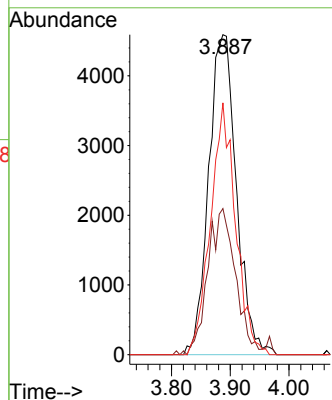
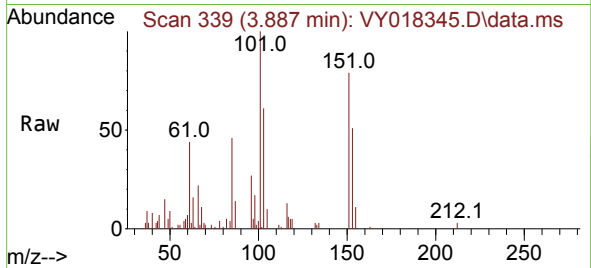




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.097 ug/l  
RT: 3.887 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

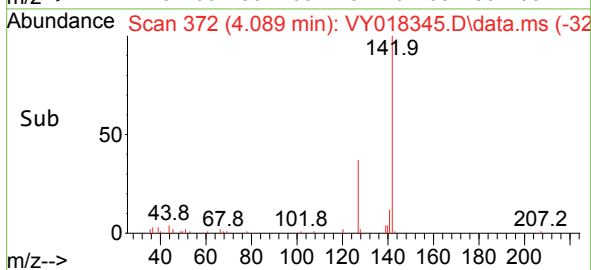
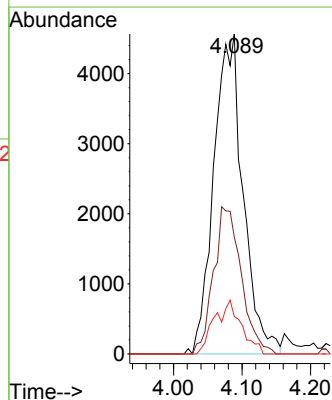
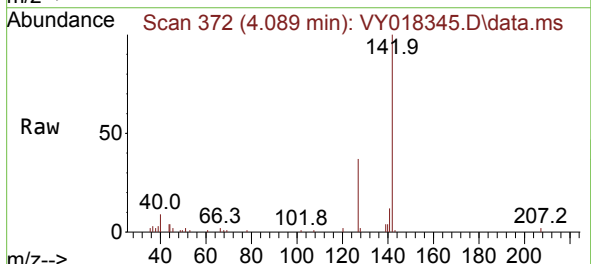
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

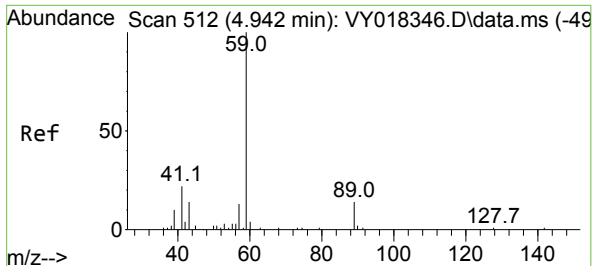
Tgt Ion:101 Resp: 15052  
Ion Ratio Lower Upper  
101 100  
85 45.5 34.5 51.7  
151 71.5 61.7 92.5



#10  
Methyl Iodide  
Concen: 8.146 ug/l  
RT: 4.089 min Scan# 372  
Delta R.T. 0.012 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion:142 Resp: 13555  
Ion Ratio Lower Upper  
142 100  
127 43.3 32.8 49.2  
141 15.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 27.129 ug/l

RT: 4.936 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

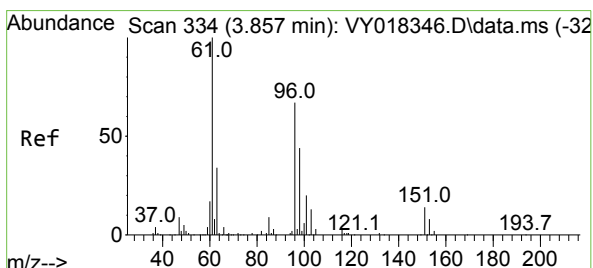
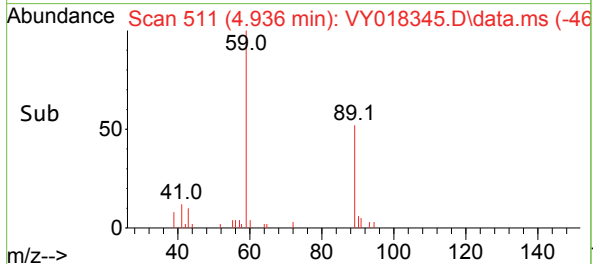
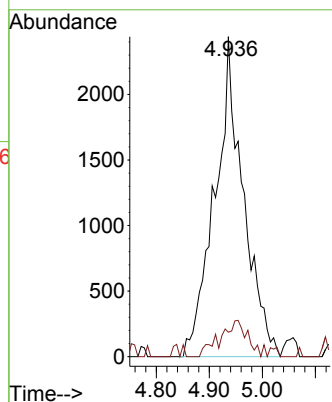
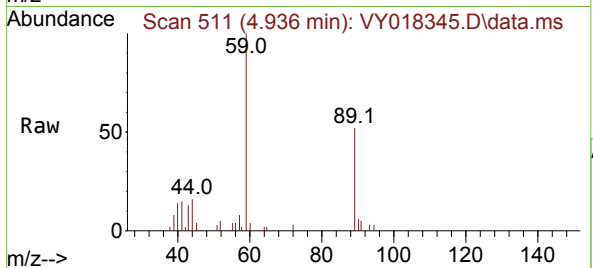
VSTDIC020

Tgt Ion: 59 Resp: 9100

Ion Ratio Lower Upper

59 100

57 10.7 3.0 4.6#



#12

1,1-Dichloroethene

Concen: 8.669 ug/l

RT: 3.863 min Scan# 335

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

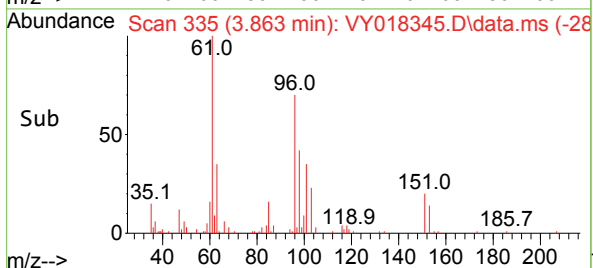
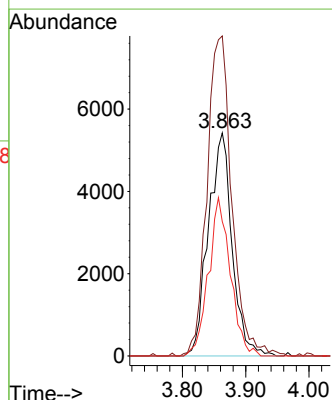
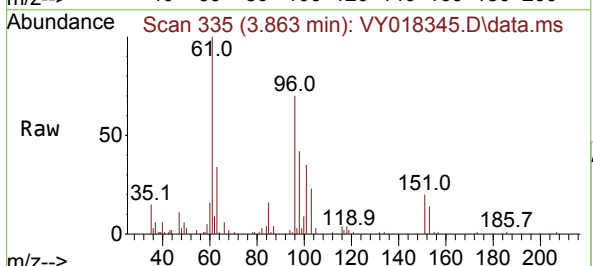
Tgt Ion: 96 Resp: 14128

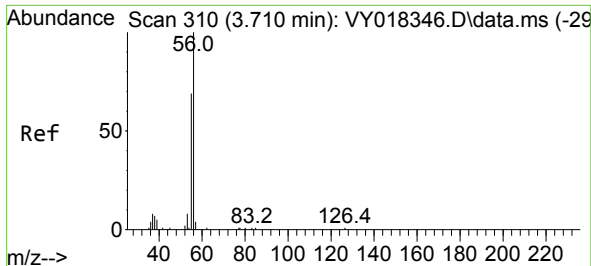
Ion Ratio Lower Upper

96 100

61 143.5 114.6 171.8

98 60.3 50.8 76.2





#13

Acrolein

Concen: 56.378 ug/l

RT: 3.723 min Scan# 310

Delta R.T. 0.013 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

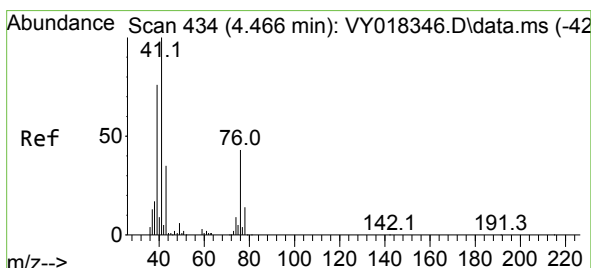
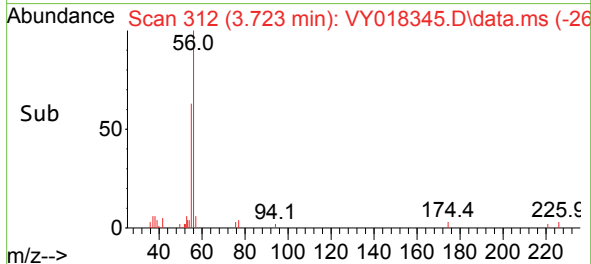
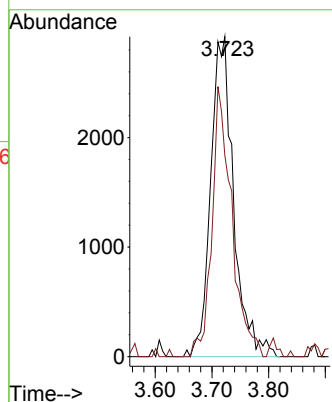
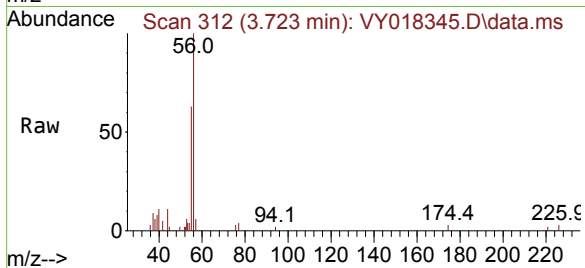
VSTDICC020

Tgt Ion: 56 Resp: 8200

Ion Ratio Lower Upper

56 100

55 72.9 55.7 83.5



#14

Allyl chloride

Concen: 9.208 ug/l

RT: 4.467 min Scan# 434

Delta R.T. 0.001 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

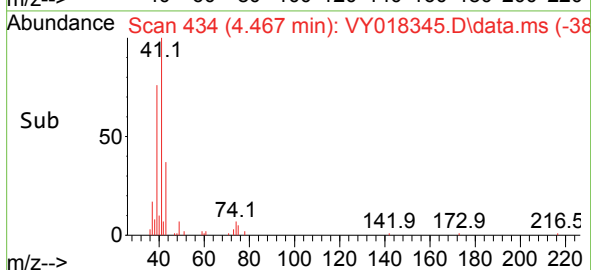
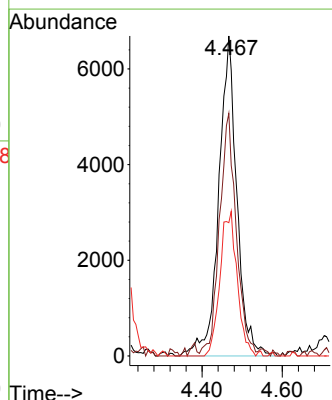
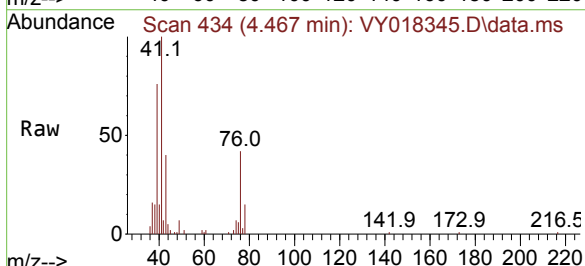
Tgt Ion: 41 Resp: 20958

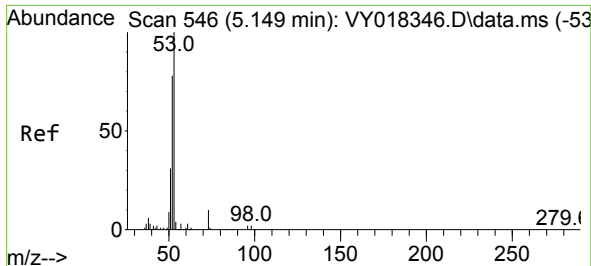
Ion Ratio Lower Upper

41 100

39 70.4 58.3 87.5

76 42.8 39.0 58.6

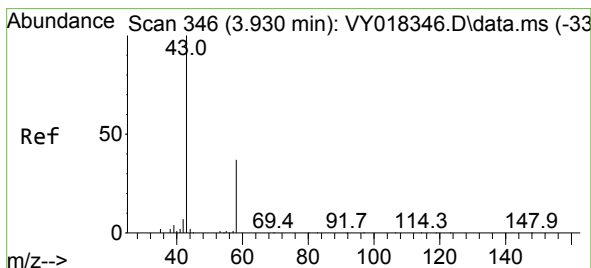
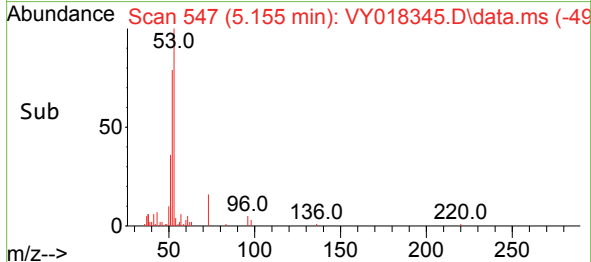
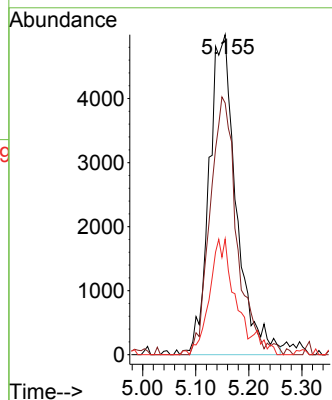
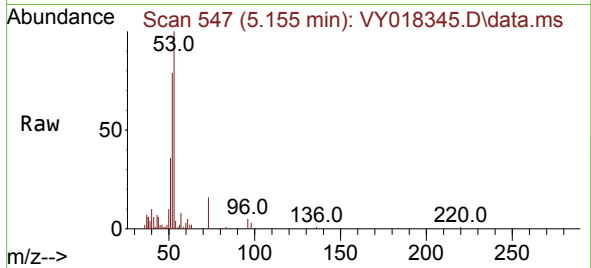




#15  
Acrylonitrile  
Concen: 47.810 ug/l  
RT: 5.155 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

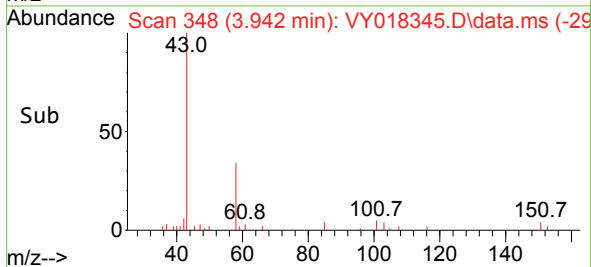
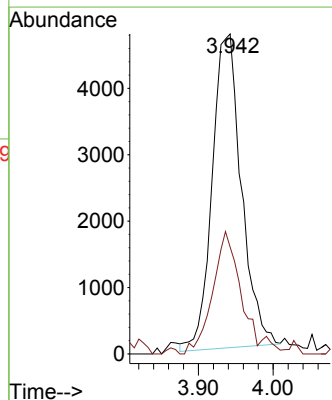
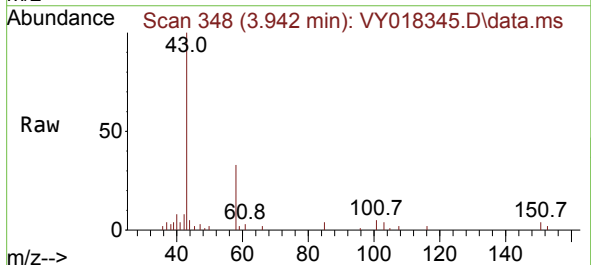
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

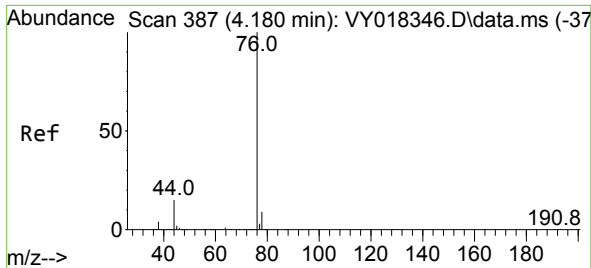
Tgt Ion: 53 Resp: 17710  
Ion Ratio Lower Upper  
53 100  
52 78.1 64.7 97.1  
51 33.5 28.4 42.6



#16  
Acetone  
Concen: 42.795 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.012 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 43 Resp: 12844  
Ion Ratio Lower Upper  
43 100  
58 34.5 31.7 47.5





#17

Carbon Disulfide

Concen: 8.180 ug/l

RT: 4.180 min Scan# 387

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

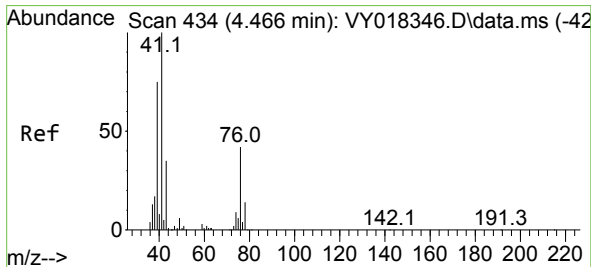
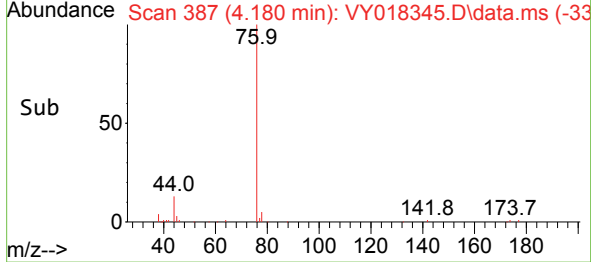
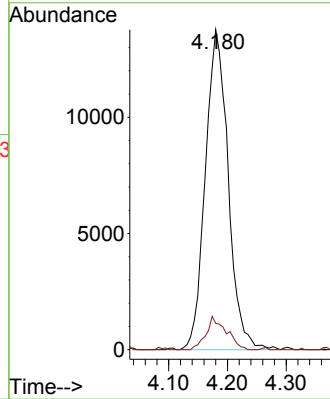
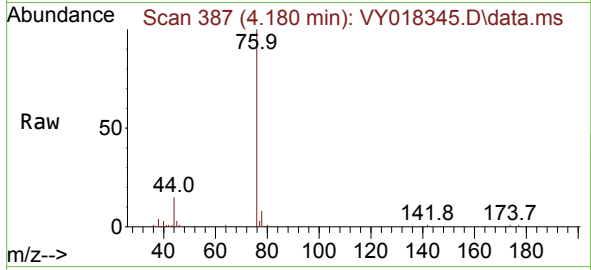
VSTDIC020

Tgt Ion: 76 Resp: 37224

Ion Ratio Lower Upper

76 100

78 8.2 6.8 10.2



#18

Methyl Acetate

Concen: 10.167 ug/l

RT: 4.467 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY018345.D

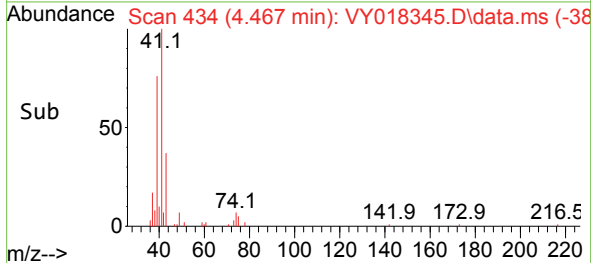
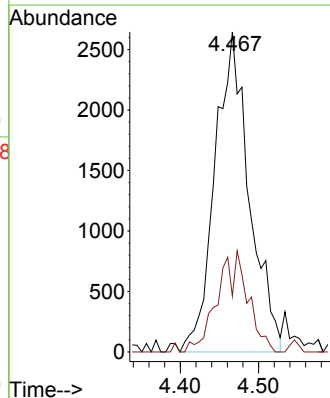
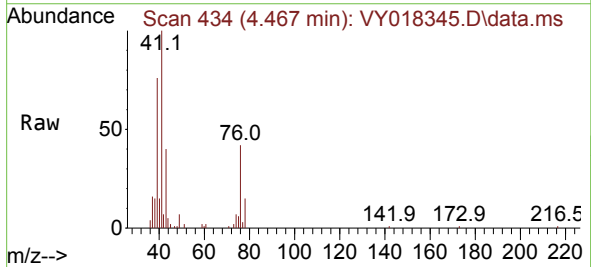
Acq: 22 May 2024 13:30

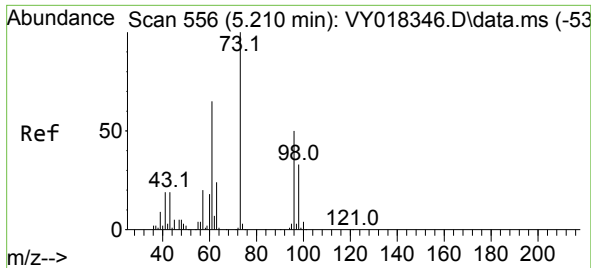
Tgt Ion: 43 Resp: 8088

Ion Ratio Lower Upper

43 100

74 15.2 23.3 34.9#

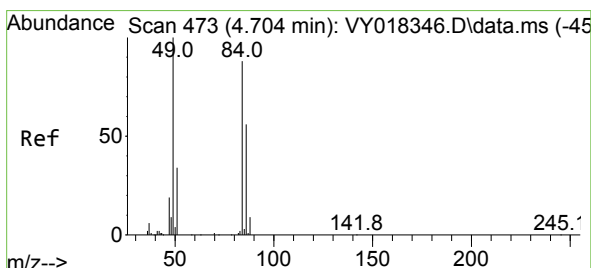
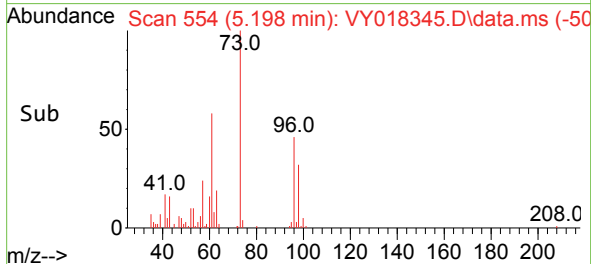
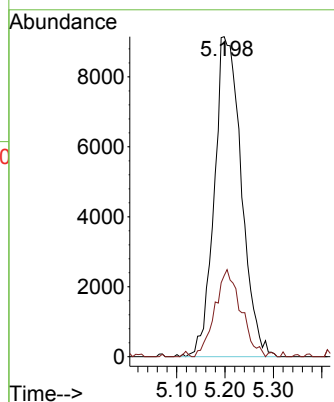
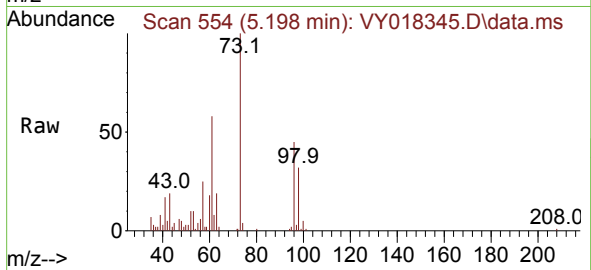




#19  
Methyl tert-butyl Ether  
Concen: 9.112 ug/l  
RT: 5.198 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

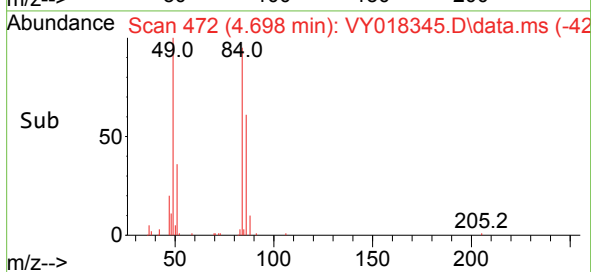
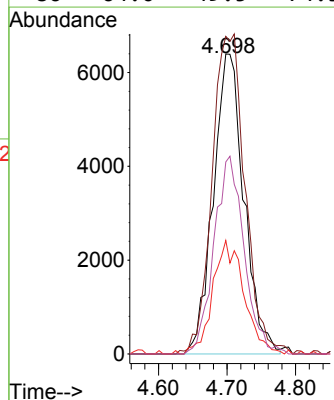
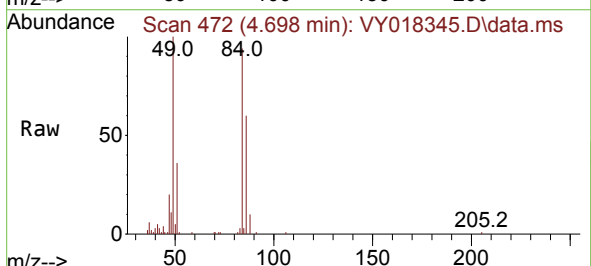
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

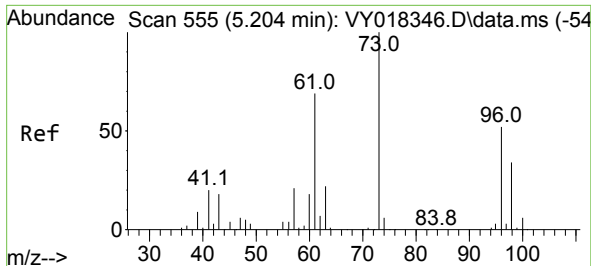
Tgt Ion: 73 Resp: 35607  
Ion Ratio Lower Upper  
73 100  
57 25.4 17.3 25.9



#20  
Methylene Chloride  
Concen: 7.370 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 84 Resp: 19868  
Ion Ratio Lower Upper  
84 100  
49 104.7 84.4 126.6  
51 37.8 26.0 39.0  
86 64.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 8.584 ug/l

RT: 5.210 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

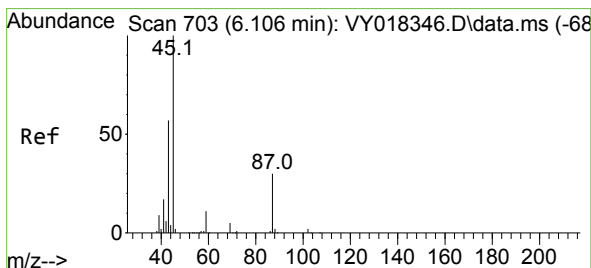
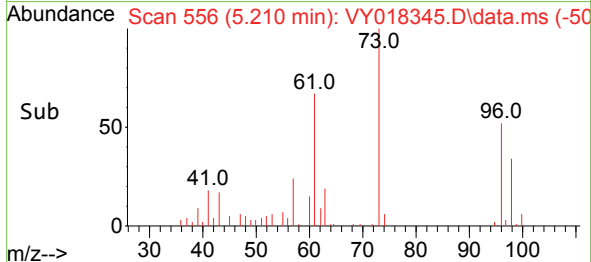
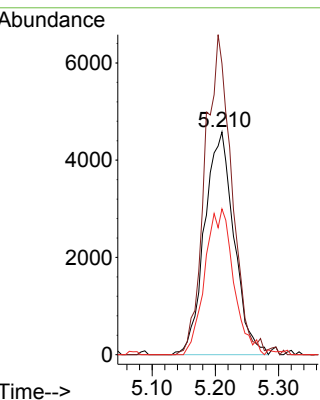
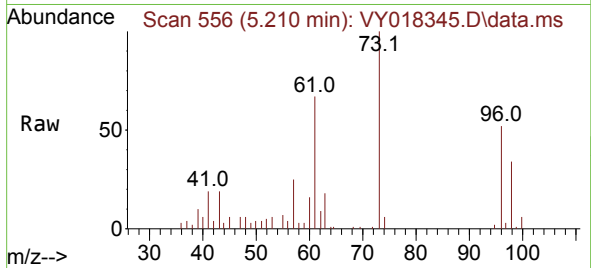
Tgt Ion: 96 Resp: 14757

Ion Ratio Lower Upper

96 100

61 130.6 97.5 146.3

98 65.4 50.5 75.7



#22

Diisopropyl ether

Concen: 9.397 ug/l

RT: 6.113 min Scan# 704

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Tgt Ion: 45 Resp: 44446

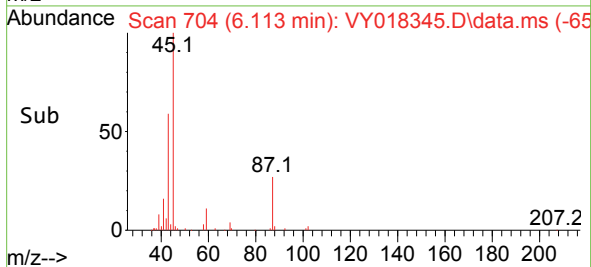
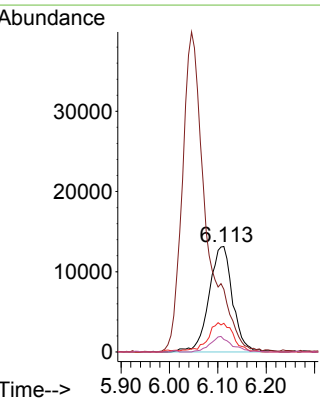
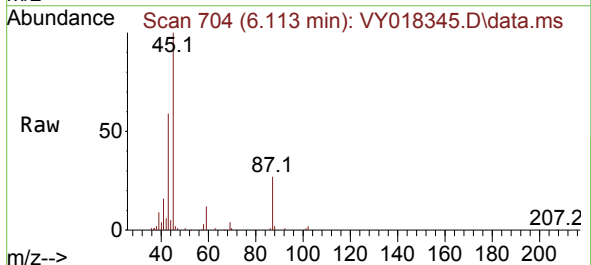
Ion Ratio Lower Upper

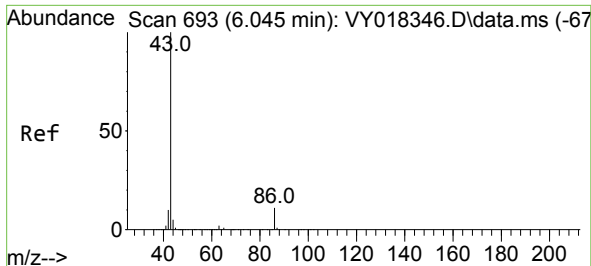
45 100

43 57.5 42.2 63.2

87 27.1 25.0 37.6

59 11.9 10.5 15.7

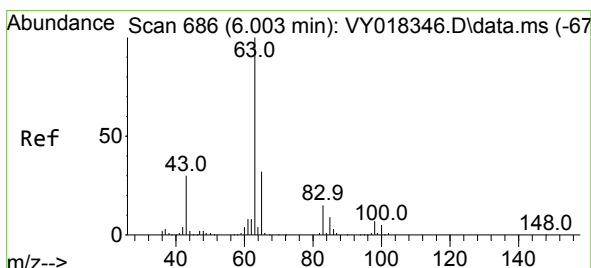
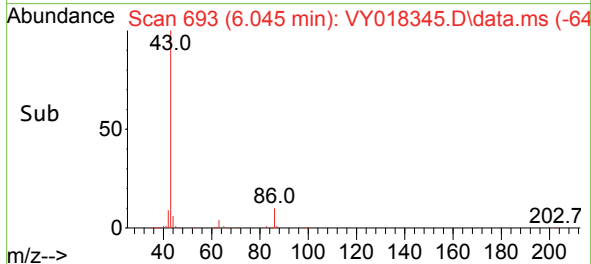
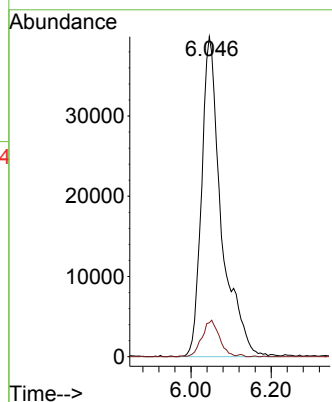
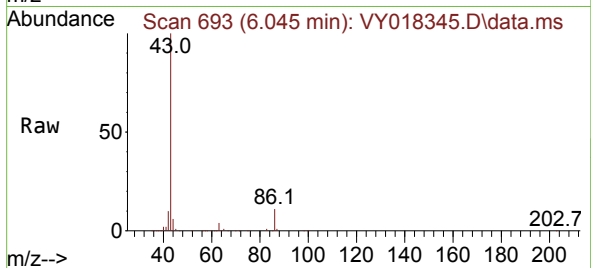




#23  
 Vinyl Acetate  
 Concen: 45.248 ug/l  
 RT: 6.045 min Scan# 693  
 Delta R.T. 0.000 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

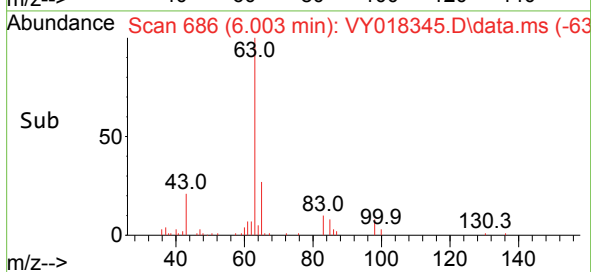
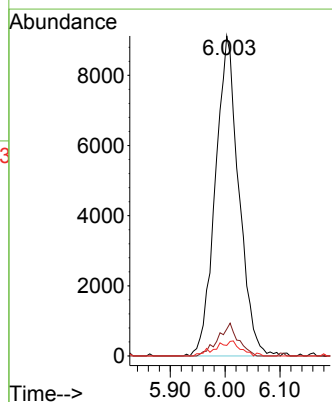
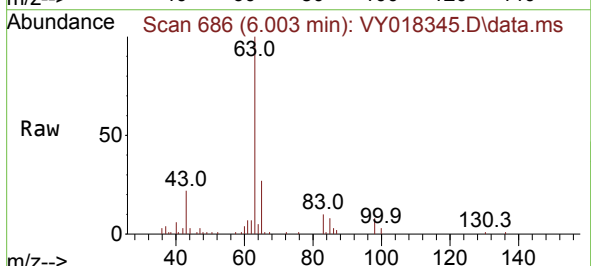
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC020

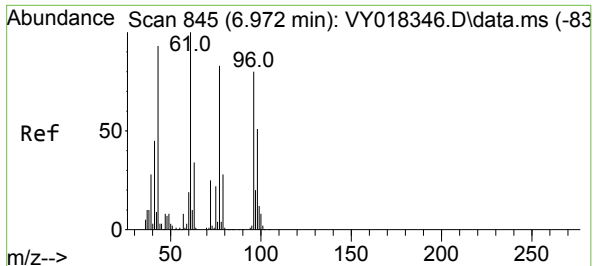
Tgt Ion: 43 Resp: 137036  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 10.6 16.0#



#24  
 1,1-Dichloroethane  
 Concen: 9.351 ug/l  
 RT: 6.003 min Scan# 686  
 Delta R.T. 0.000 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

Tgt Ion: 63 Resp: 27123  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 4.0 12.2  
 100 3.3 2.6 8.0





#25

2-Butanone

Concen: 46.406 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

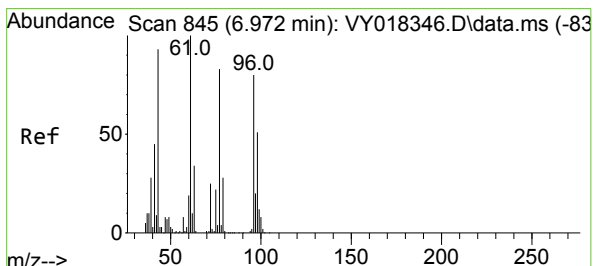
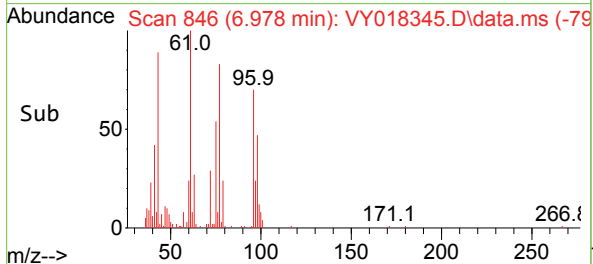
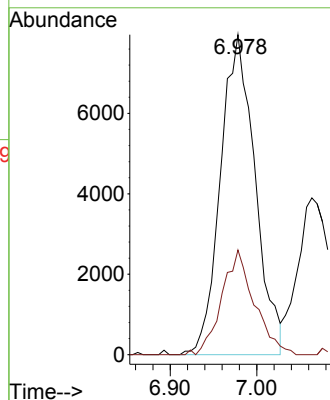
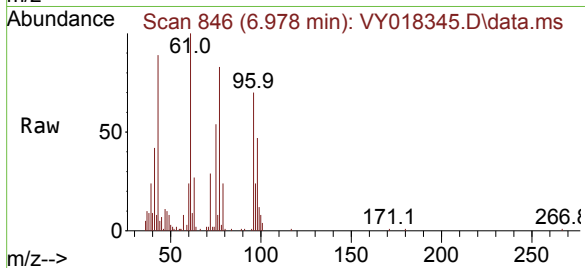
VSTDICC020

Tgt Ion: 43 Resp: 22071

Ion Ratio Lower Upper

43 100

72 32.7 27.3 40.9



#26

2,2-Dichloropropane

Concen: 9.056 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018345.D

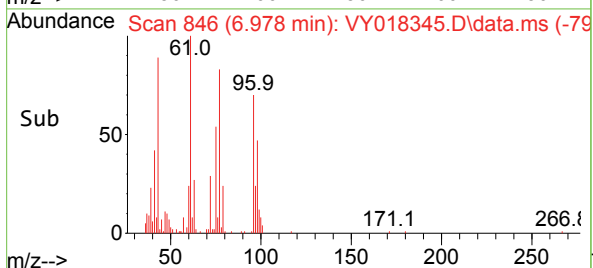
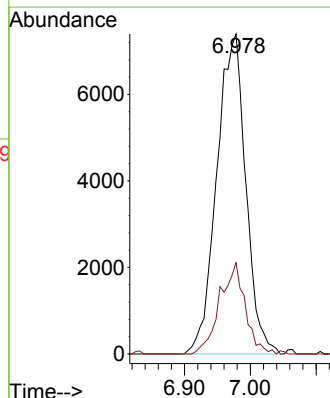
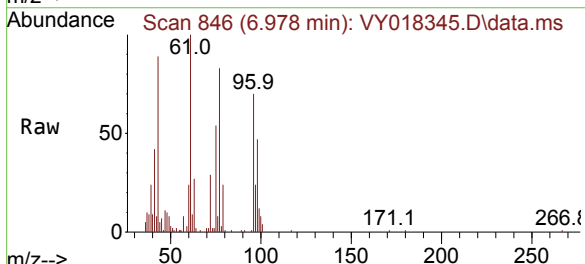
Acq: 22 May 2024 13:30

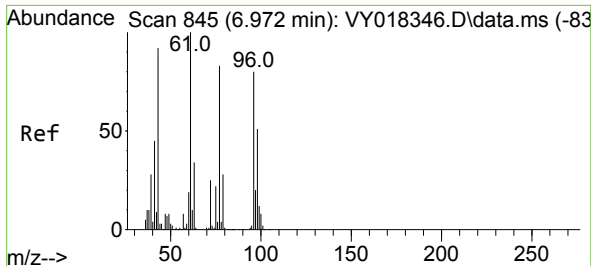
Tgt Ion: 77 Resp: 22708

Ion Ratio Lower Upper

77 100

97 25.0 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 8.774 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

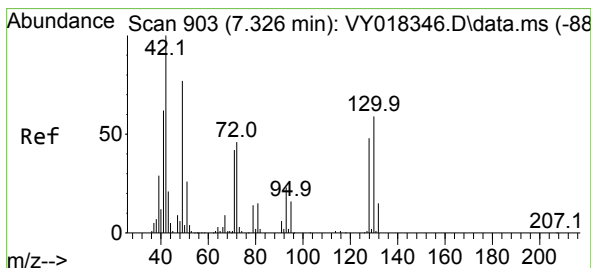
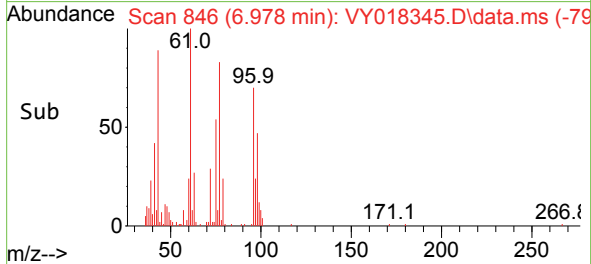
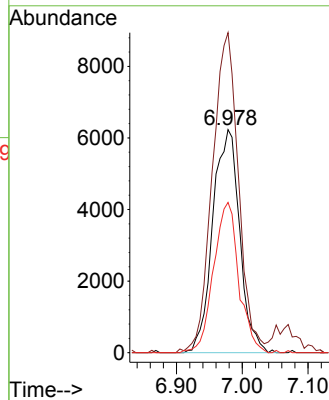
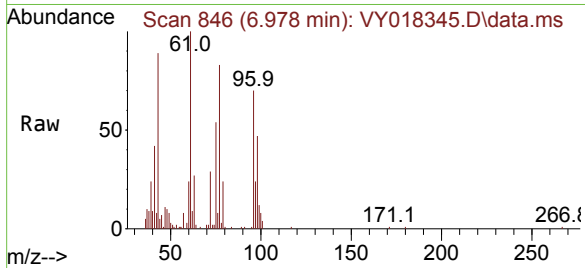
Tgt Ion: 96 Resp: 17726

Ion Ratio Lower Upper

96 100

61 139.7 0.0 256.2

98 63.3 0.0 130.0



#28

Bromochloromethane

Concen: 10.630 ug/l

RT: 7.320 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

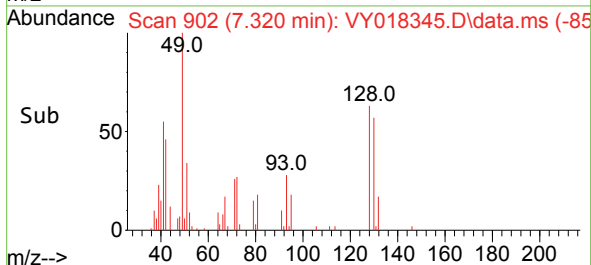
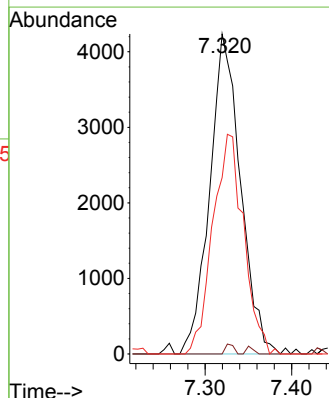
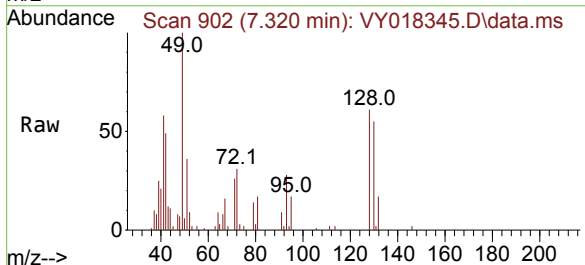
Tgt Ion: 49 Resp: 10472

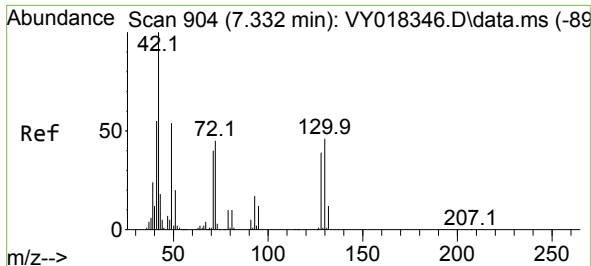
Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.6

130 68.7 72.7 109.1#





#29

Tetrahydrofuran

Concen: 46.817 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

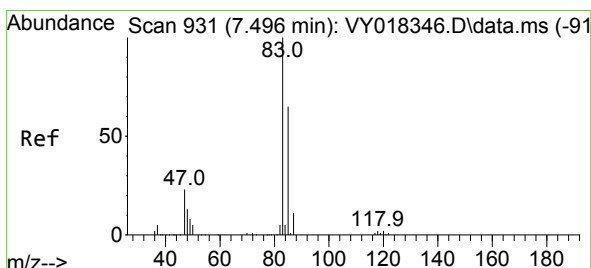
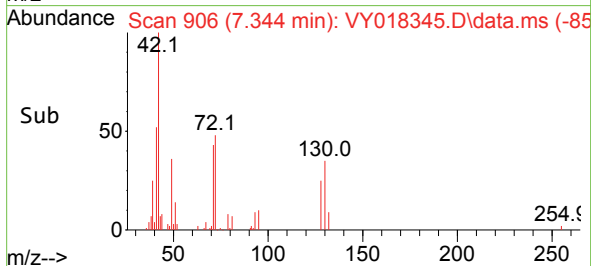
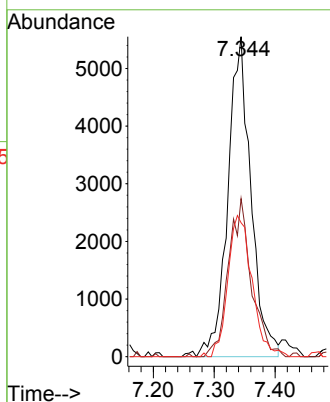
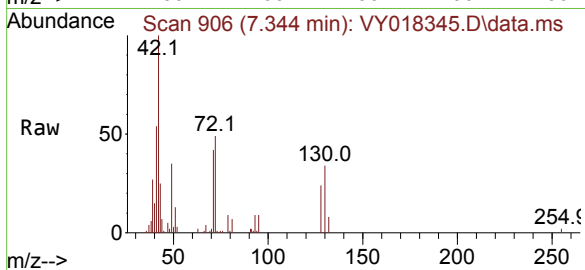
Tgt Ion: 42 Resp: 14656

Ion Ratio Lower Upper

42 100

72 49.2 43.0 64.4

71 46.0 40.8 61.2



#30

Chloroform

Concen: 8.941 ug/l

RT: 7.503 min Scan# 932

Delta R.T. 0.006 min

Lab File: VY018345.D

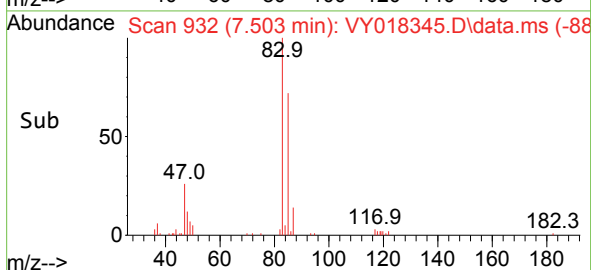
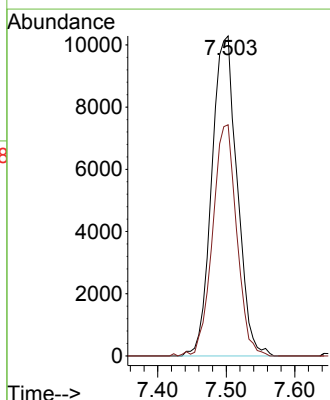
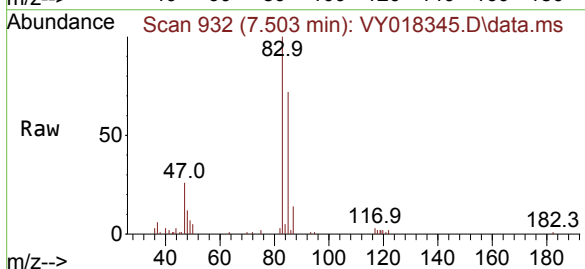
Acq: 22 May 2024 13:30

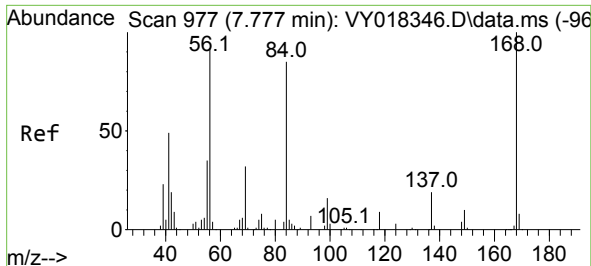
Tgt Ion: 83 Resp: 26436

Ion Ratio Lower Upper

83 100

85 72.2 52.2 78.4

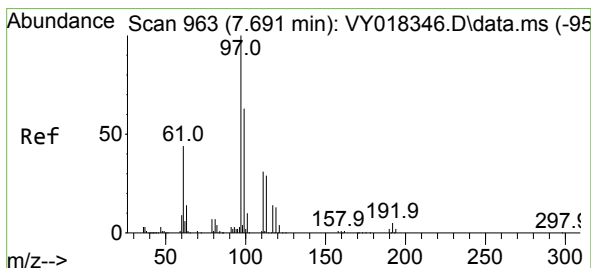
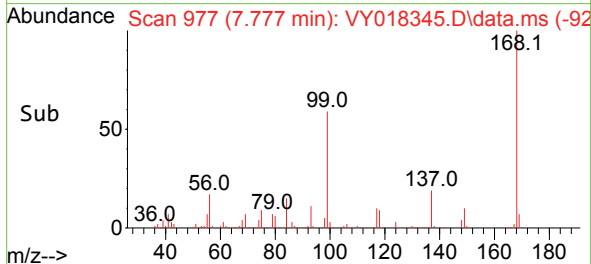
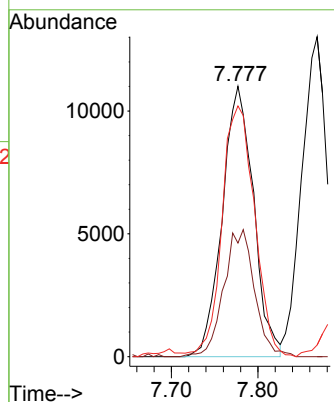
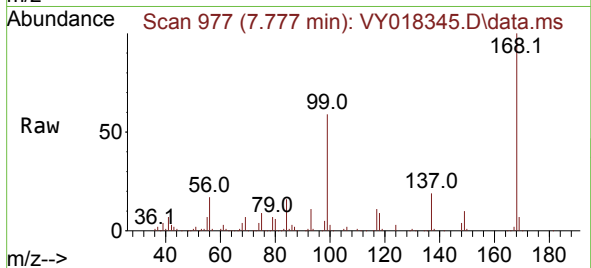




#31  
Cyclohexane  
Concen: 8.665 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

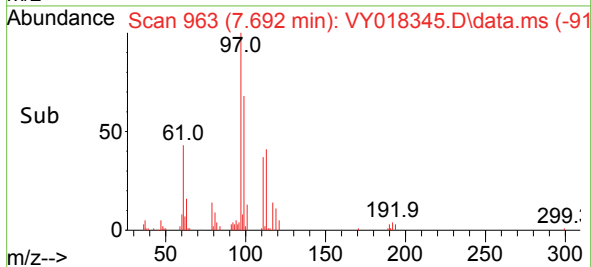
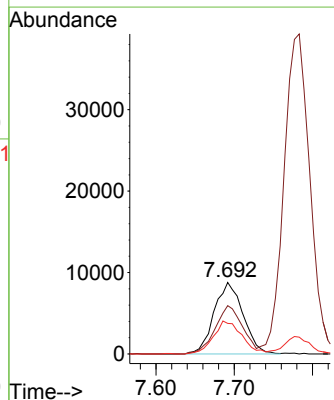
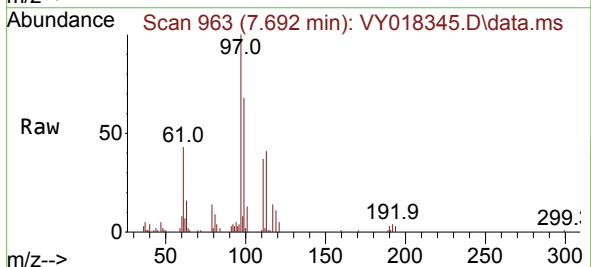
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

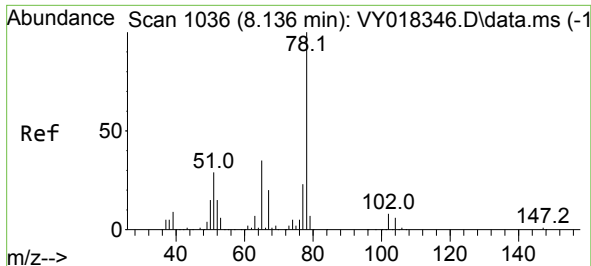
Tgt Ion: 56 Resp: 27592  
Ion Ratio Lower Upper  
56 100  
69 42.0 28.7 43.1  
84 91.4 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 8.712 ug/l  
RT: 7.692 min Scan# 963  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 97 Resp: 22607  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.3 75.5  
61 45.1 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 10.627 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

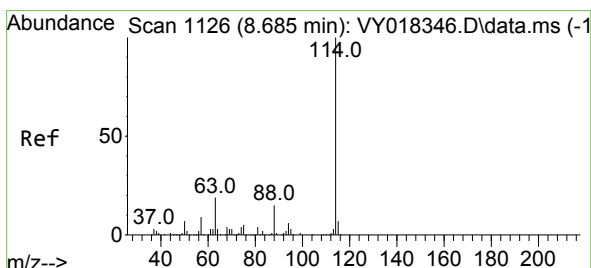
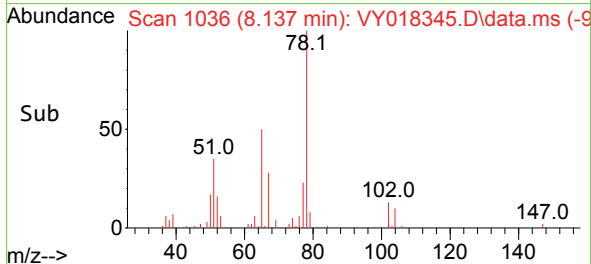
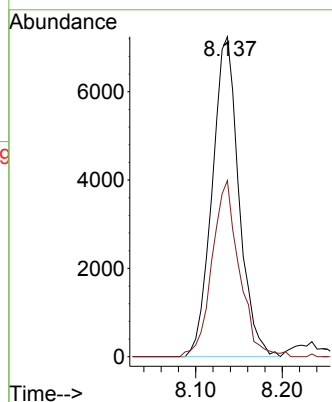
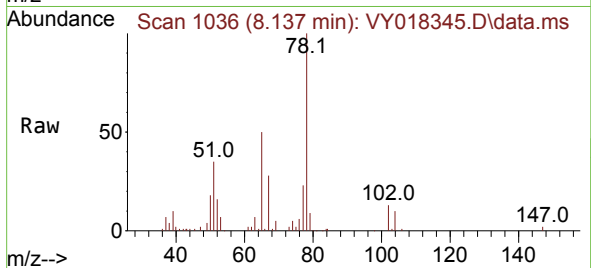
VSTDICC020

Tgt Ion: 65 Resp: 15507

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

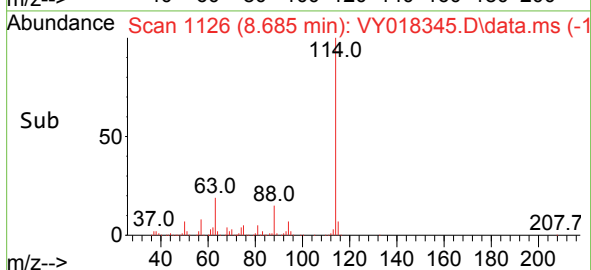
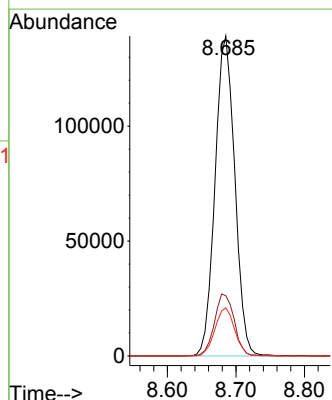
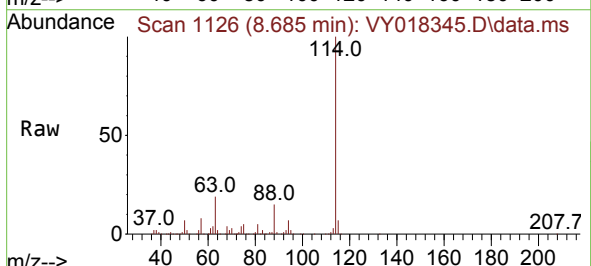
Tgt Ion:114 Resp: 277579

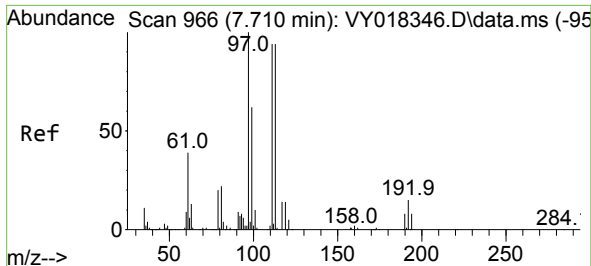
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 15.1 0.0 27.2

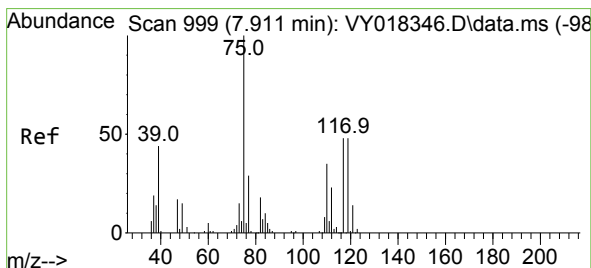
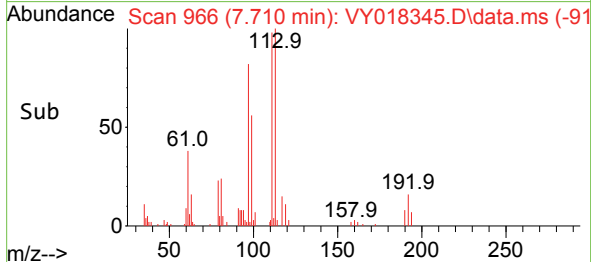
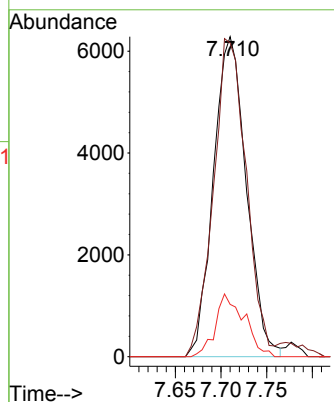
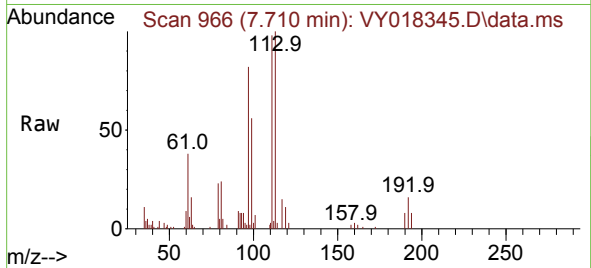




#35  
Dibromofluoromethane  
Concen: 9.709 ug/l  
RT: 7.710 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

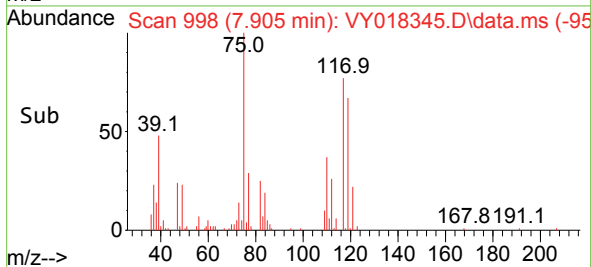
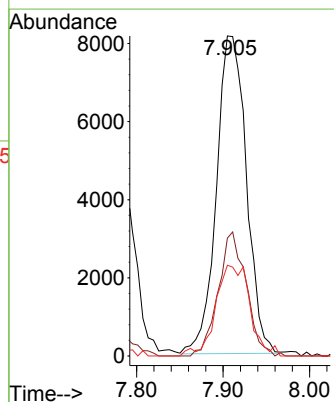
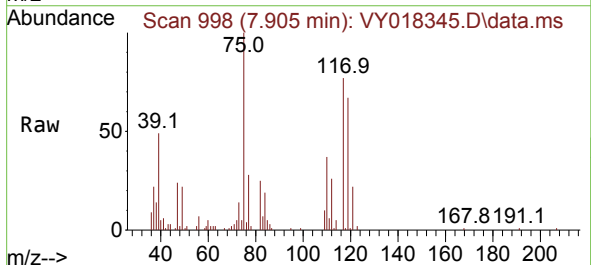
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

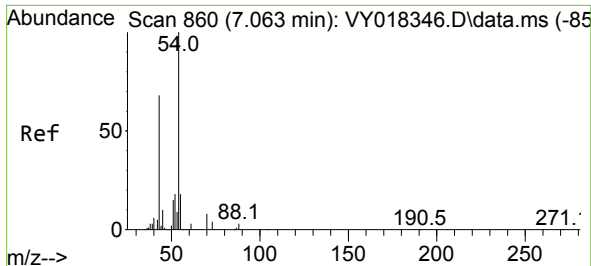
Tgt Ion:113 Resp: 15716  
Ion Ratio Lower Upper  
113 100  
111 99.2 82.2 123.4  
192 17.3 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 8.334 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 75 Resp: 19564  
Ion Ratio Lower Upper  
75 100  
110 36.5 19.0 57.0  
77 32.4 25.3 37.9

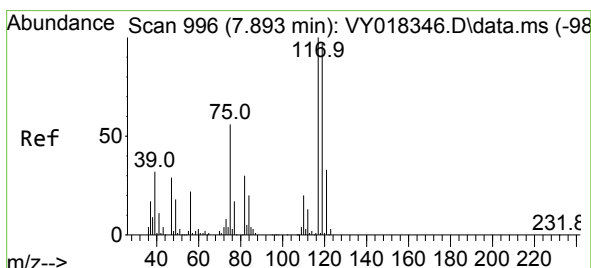
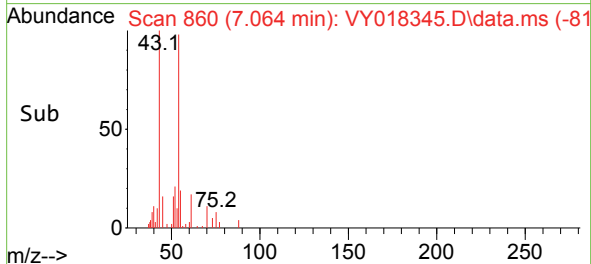
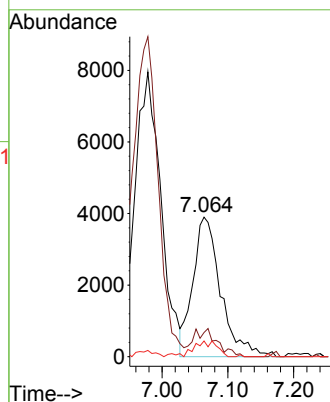
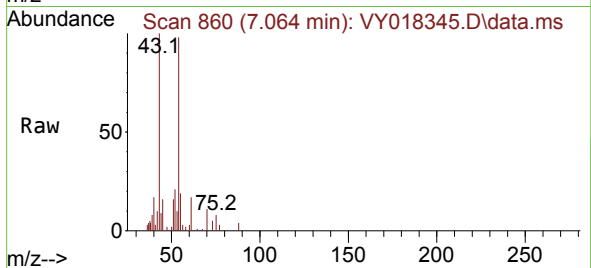




#37  
Ethyl Acetate  
Concen: 10.226 ug/l  
RT: 7.064 min Scan# 860  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

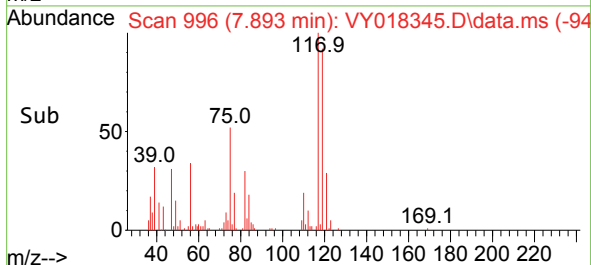
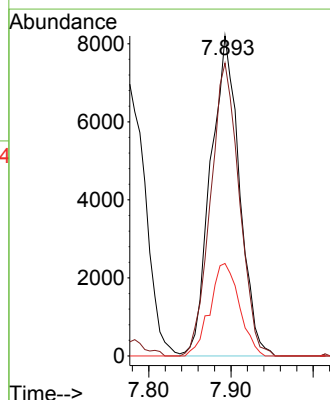
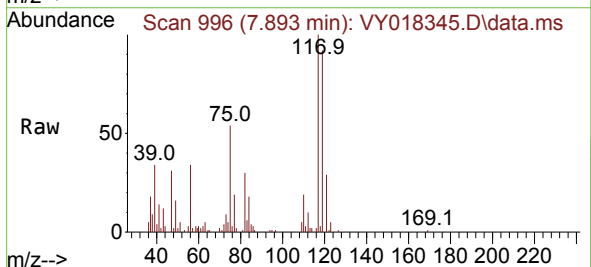
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

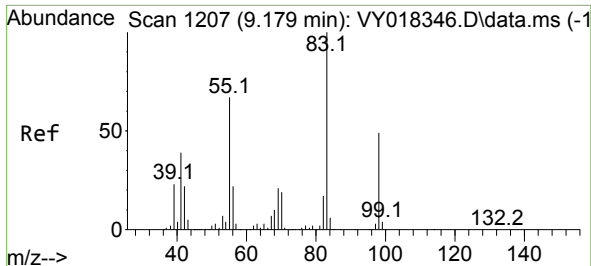
Tgt Ion: 43 Resp: 11484  
Ion Ratio Lower Upper  
43 100  
61 17.2 12.6 19.0  
70 9.2 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 8.305 ug/l  
RT: 7.893 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 117 Resp: 19967  
Ion Ratio Lower Upper  
117 100  
119 91.5 75.8 113.6  
121 28.9 24.0 36.0





#39

Methylcyclohexane

Concen: 8.384 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

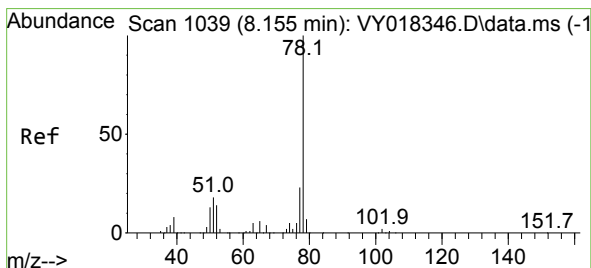
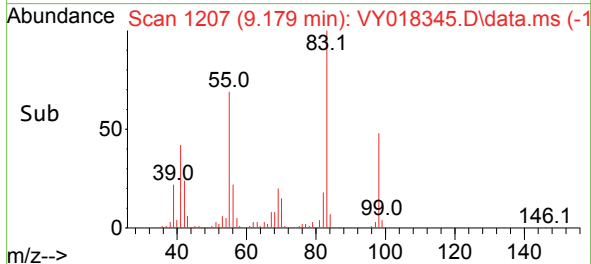
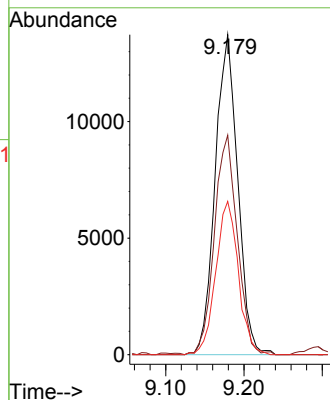
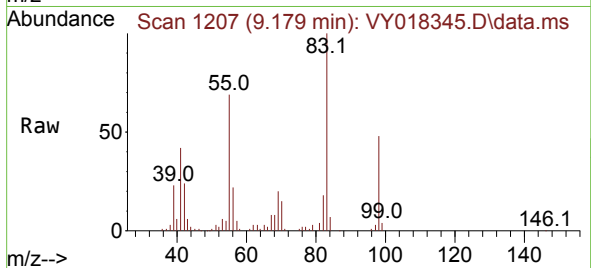
Tgt Ion: 83 Resp: 27456

Ion Ratio Lower Upper

83 100

55 68.6 51.5 77.3

98 47.9 40.5 60.7



#40

Benzene

Concen: 8.612 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY018345.D

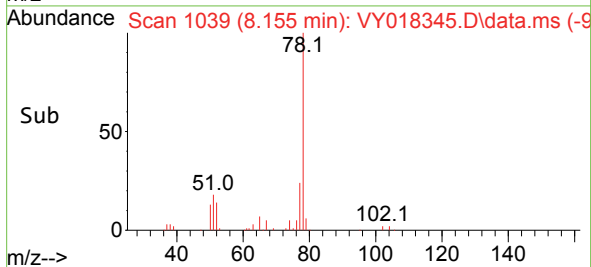
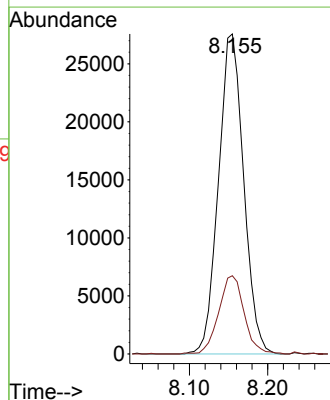
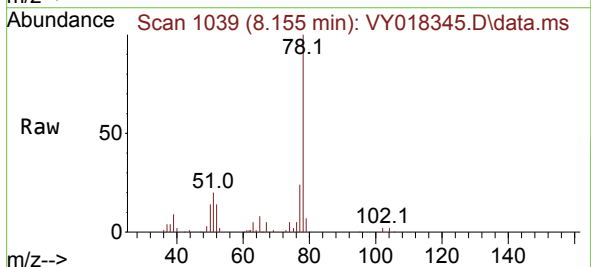
Acq: 22 May 2024 13:30

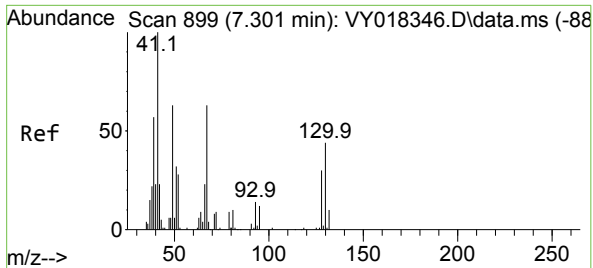
Tgt Ion: 78 Resp: 61630

Ion Ratio Lower Upper

78 100

77 24.5 19.5 29.3

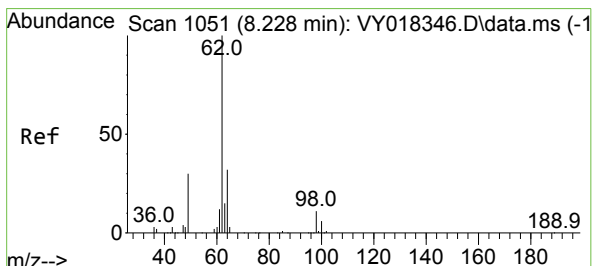
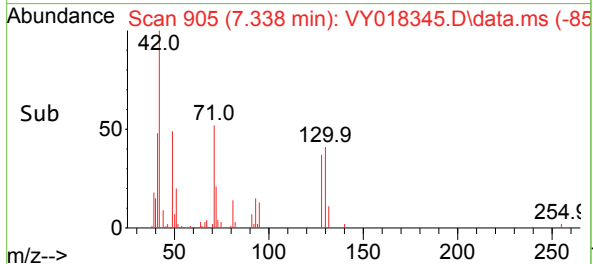
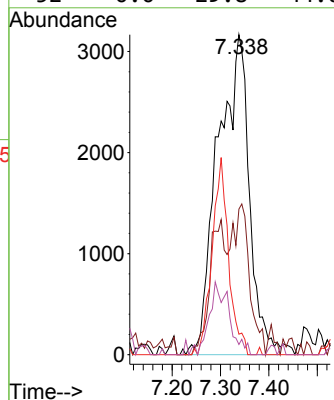
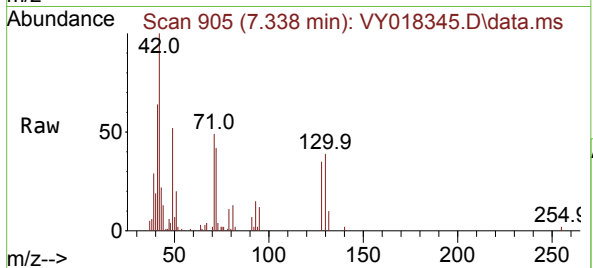




#41  
Methacrylonitrile  
Concen: 22.981 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.037 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

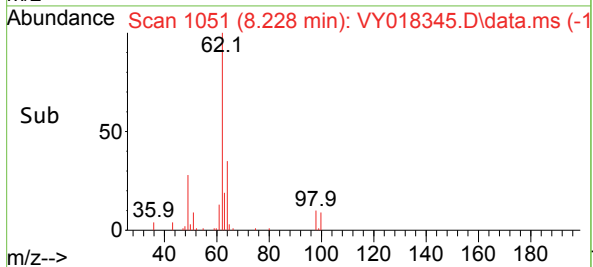
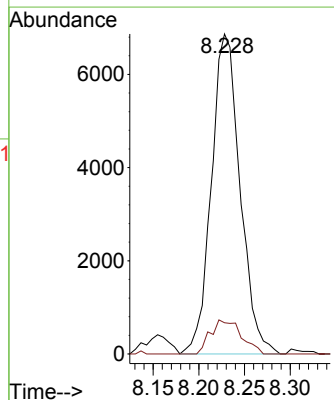
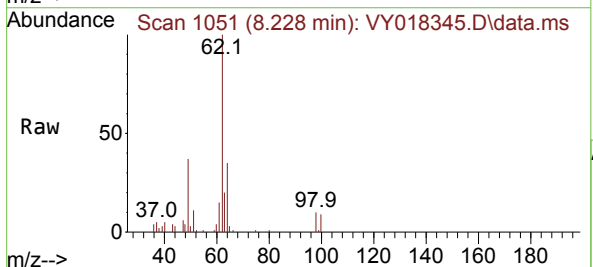
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

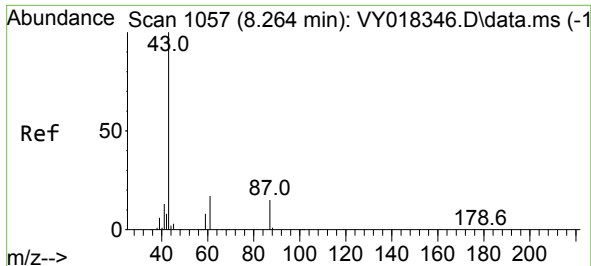
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 14269  |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 24.1  | 48.0  | 72.0#  |
| 67       | 0.0   | 75.1  | 112.7# |
| 52       | 0.0   | 29.8  | 44.6#  |



#42  
1,2-Dichloroethane  
Concen: 8.719 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 15009 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.4  | 0.0   | 22.0  |

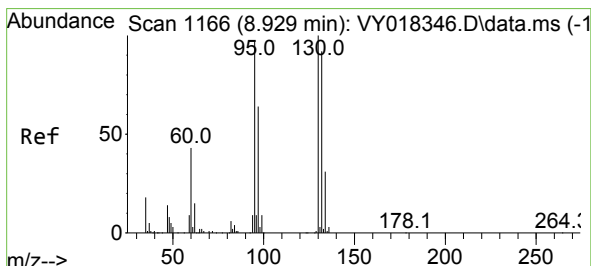
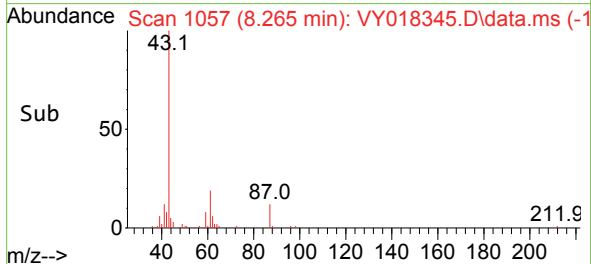
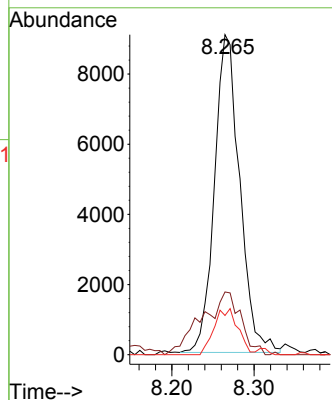
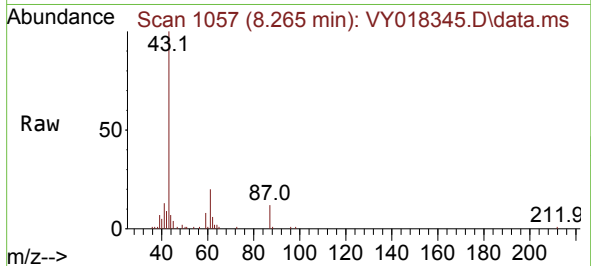




#43  
Isopropyl Acetate  
Concen: 8.833 ug/l  
RT: 8.265 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

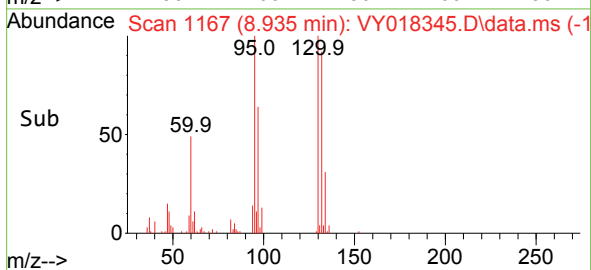
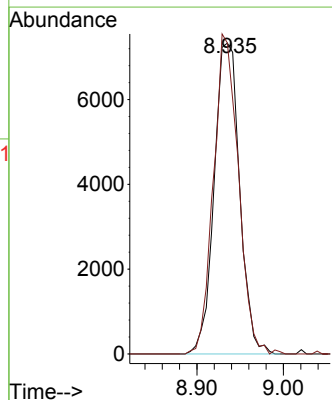
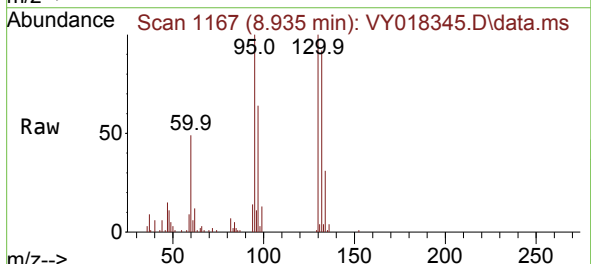
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

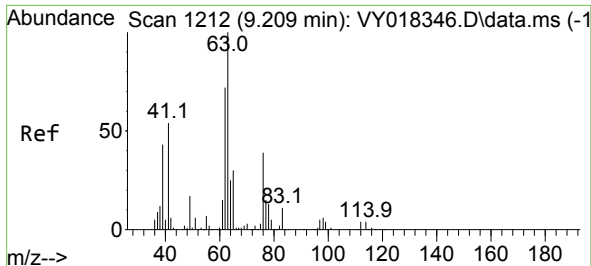
Tgt Ion: 43 Resp: 19354  
Ion Ratio Lower Upper  
43 100  
61 30.4 27.9 41.9  
87 13.8 13.1 19.7



#44  
Trichloroethene  
Concen: 8.180 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 130 Resp: 15004  
Ion Ratio Lower Upper  
130 100  
95 100.0 0.0 188.0

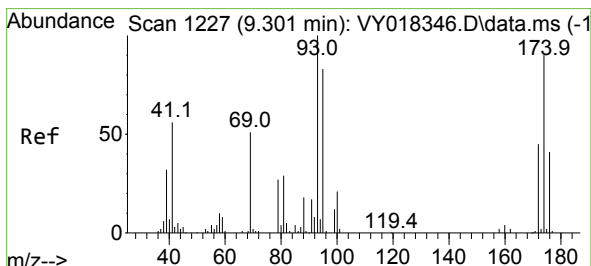
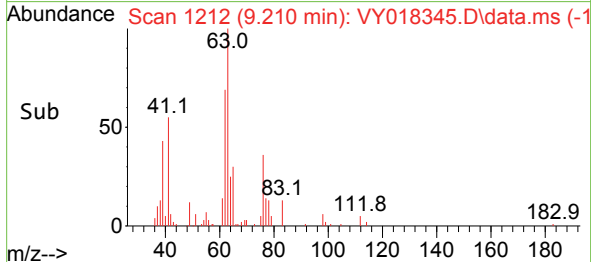
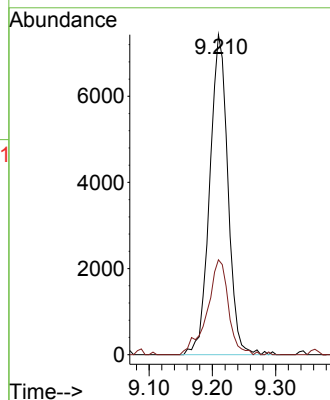
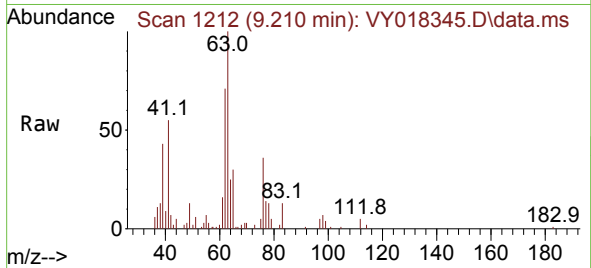




#45  
1,2-Dichloropropane  
Concen: 9.231 ug/l  
RT: 9.210 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

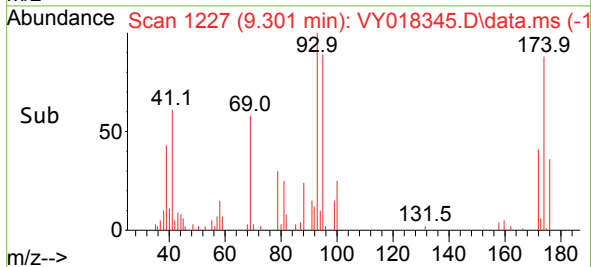
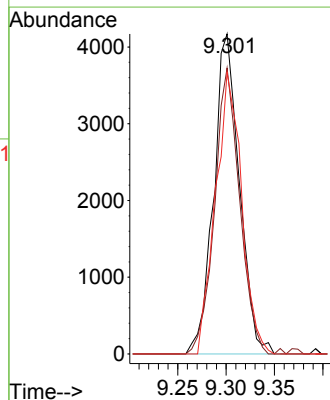
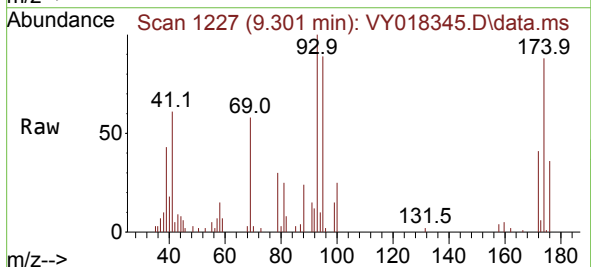
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

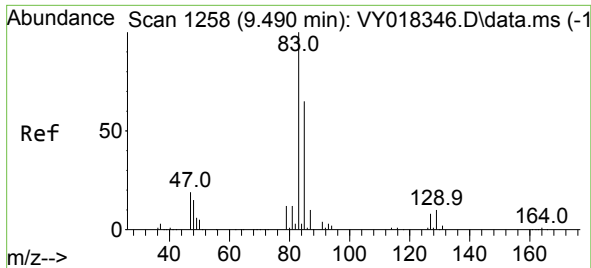
Tgt Ion: 63 Resp: 14858  
Ion Ratio Lower Upper  
63 100  
65 29.7 25.4 38.2



#46  
Dibromomethane  
Concen: 8.158 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 93 Resp: 7705  
Ion Ratio Lower Upper  
93 100  
95 87.1 66.2 99.4  
174 89.2 80.9 121.3

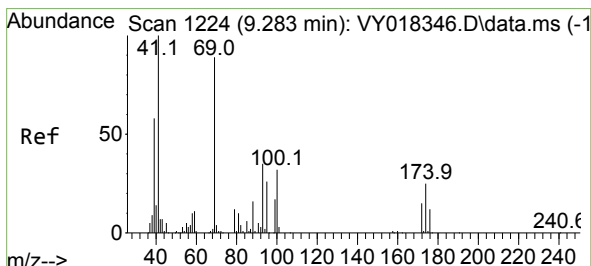
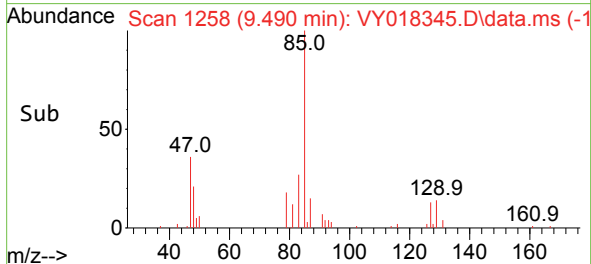
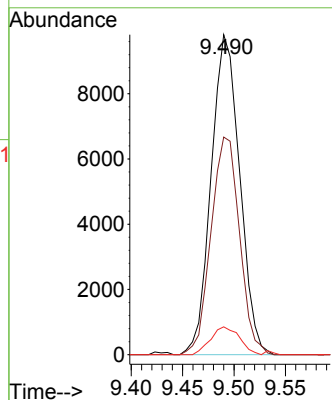
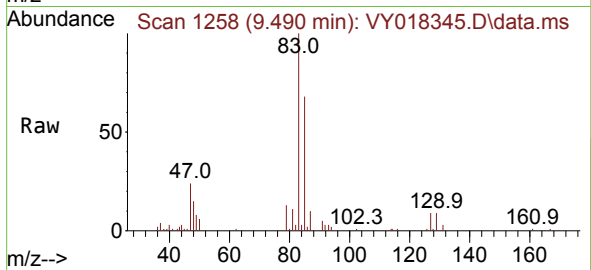




#47  
Bromodichloromethane  
Concen: 8.270 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

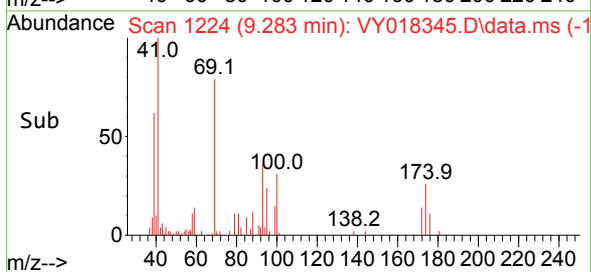
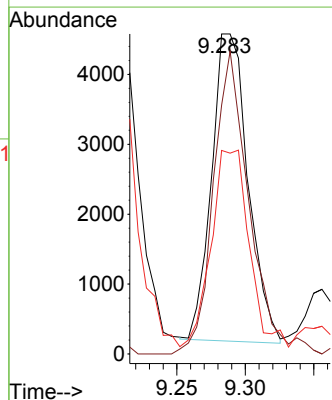
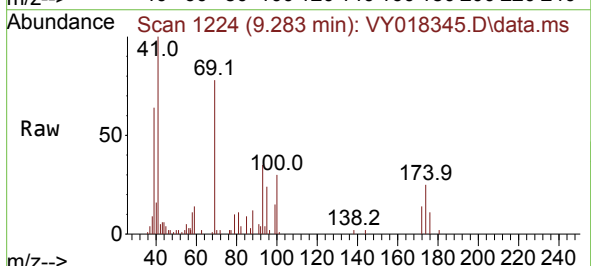
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

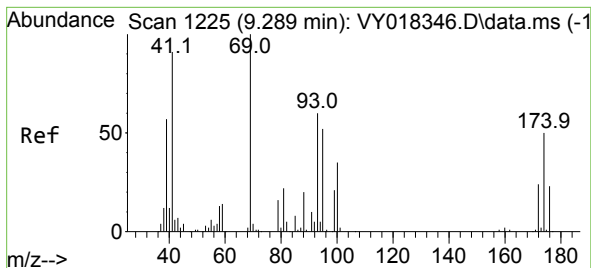
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 18955 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 68.0     | 50.1 75.1   |
| 127 8.7     | 7.4 11.0    |



#48  
Methyl methacrylate  
Concen: 8.193 ug/l  
RT: 9.283 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 8120  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 97.0     | 84.1 126.1  |
| 39 67.1     | 43.6 65.4   |

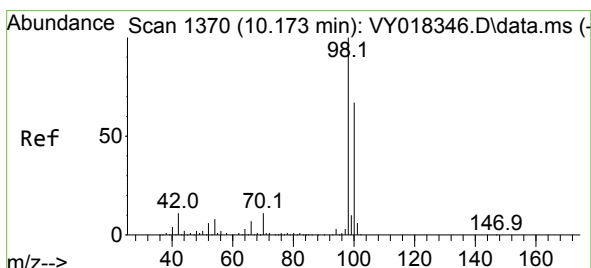
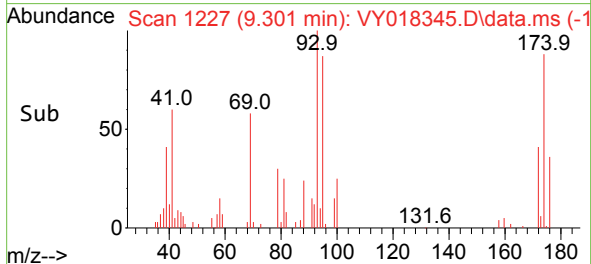
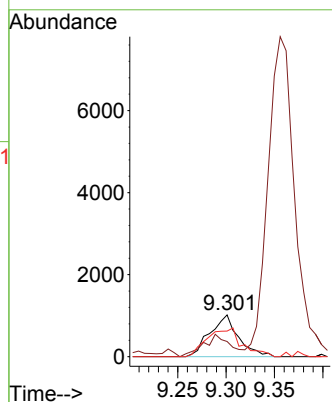
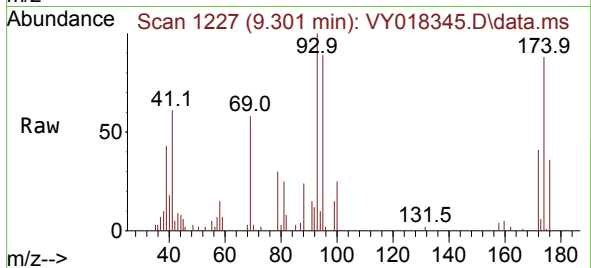




#49  
1,4-Dioxane  
Concen: 170.399 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.012 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

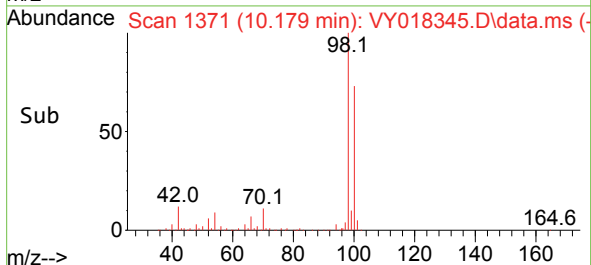
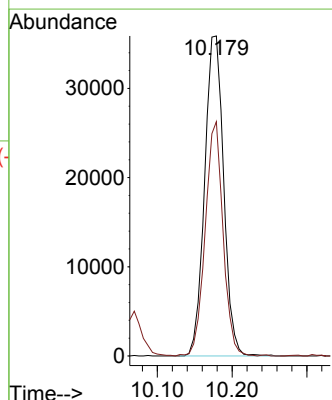
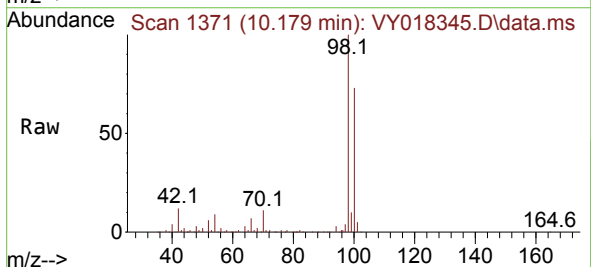
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

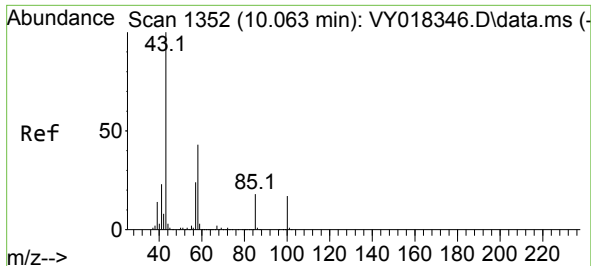
Tgt Ion: 88 Resp: 2088  
Ion Ratio Lower Upper  
88 100  
43 50.9 0.0 0.0#  
58 83.2 49.3 73.9#



#50  
Toluene-d8  
Concen: 10.055 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 98 Resp: 63455  
Ion Ratio Lower Upper  
98 100  
100 68.6 52.0 78.0

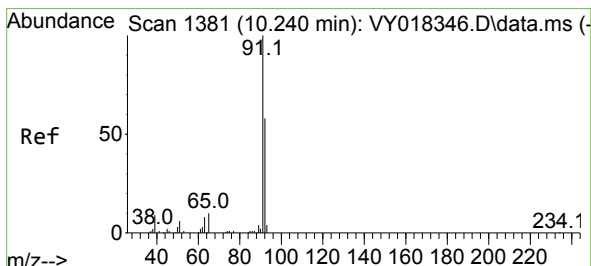
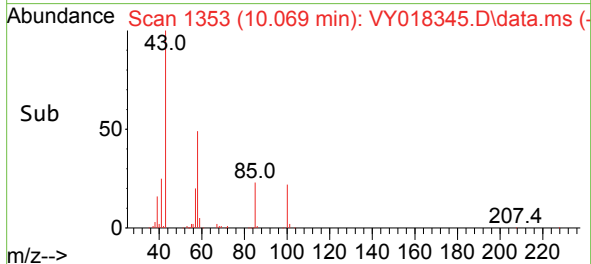
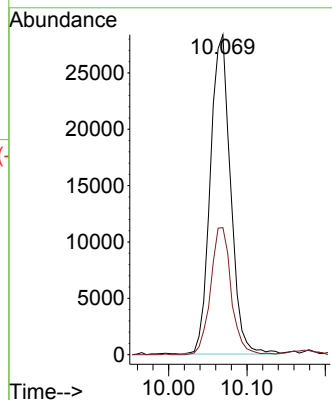
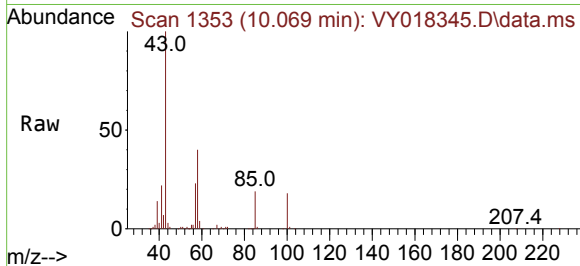




#51  
4-Methyl-2-Pentanone  
Concen: 45.991 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

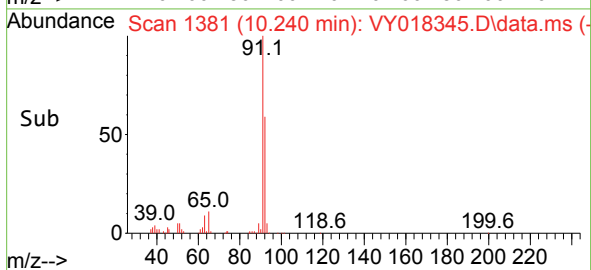
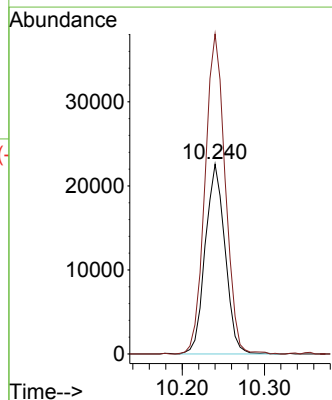
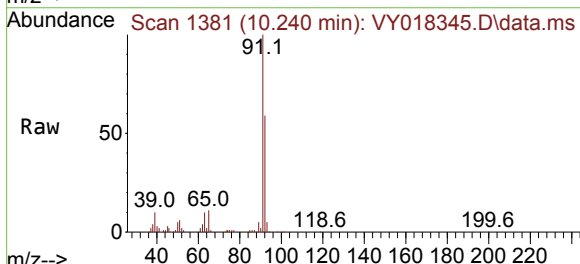
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

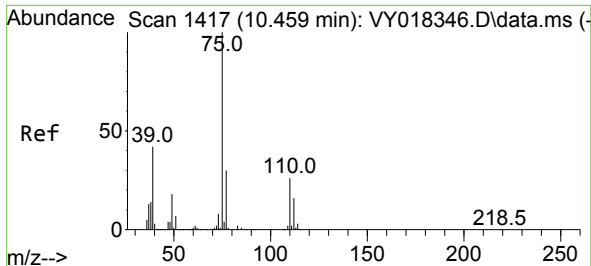
Tgt Ion: 43 Resp: 50857  
Ion Ratio Lower Upper  
43 100  
58 40.5 35.7 53.5



#52  
Toluene  
Concen: 8.421 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 92 Resp: 37777  
Ion Ratio Lower Upper  
92 100  
91 172.1 139.0 208.6

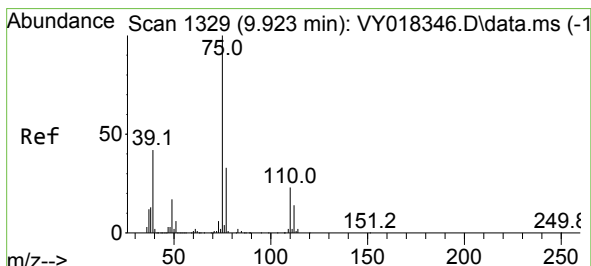
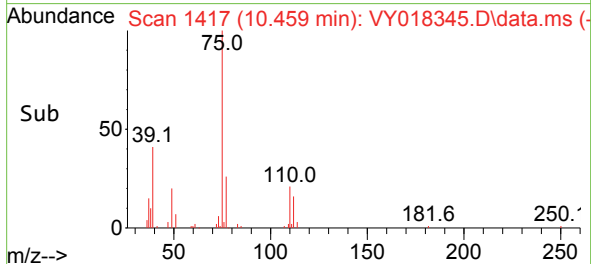
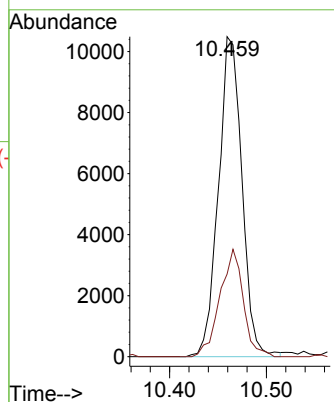
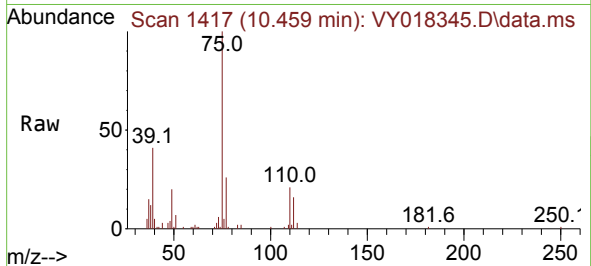




#53  
t-1,3-Dichloropropene  
Concen: 8.443 ug/l  
RT: 10.459 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

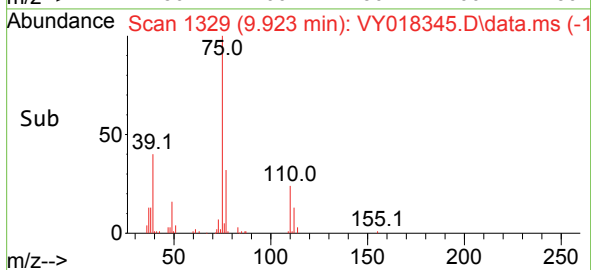
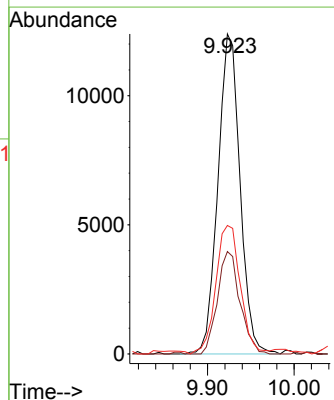
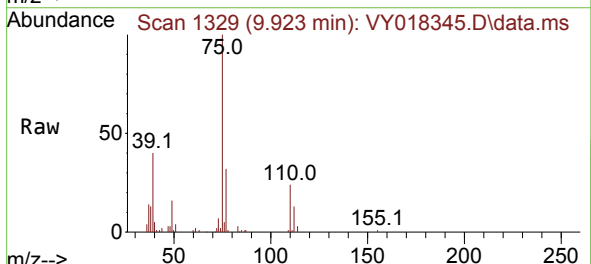
Instrument : MSVOA\_Y  
ClientSampleId : VSTDIC020

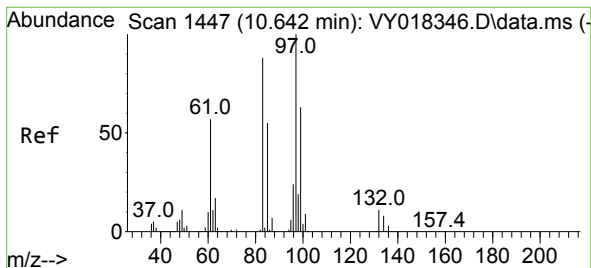
Tgt Ion: 75 Resp: 17692  
Ion Ratio Lower Upper  
75 100  
77 25.8 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 8.563 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 75 Resp: 21986  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.4 38.0  
39 39.3 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 8.846 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 11068

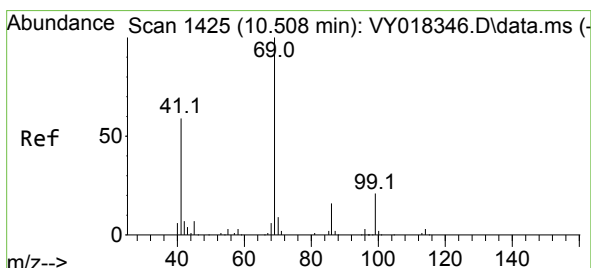
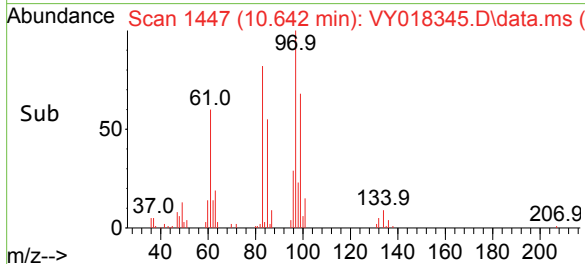
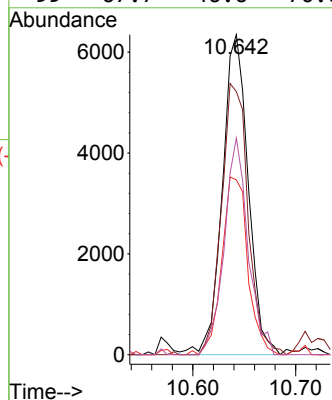
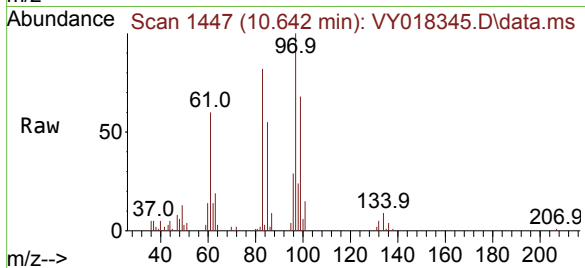
Ion Ratio Lower Upper

97 100

83 82.2 67.5 101.3

85 54.6 42.9 64.3

99 67.7 46.6 70.0



#56

Ethyl methacrylate

Concen: 9.098 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

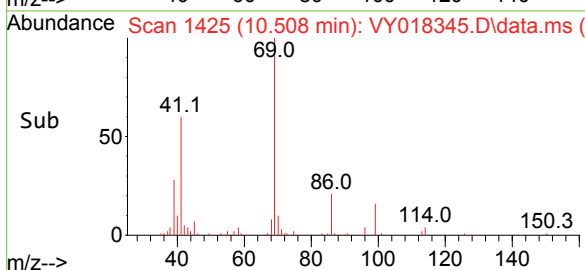
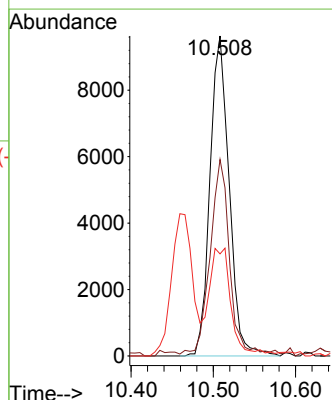
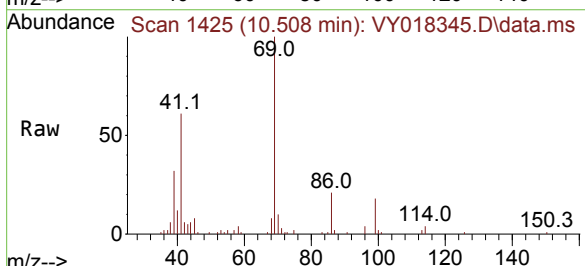
Tgt Ion: 69 Resp: 15614

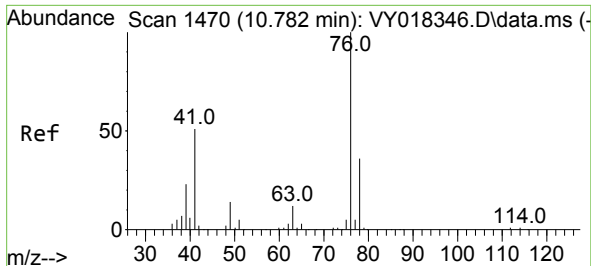
Ion Ratio Lower Upper

69 100

41 62.0 42.3 63.5

39 36.9 22.9 34.3#

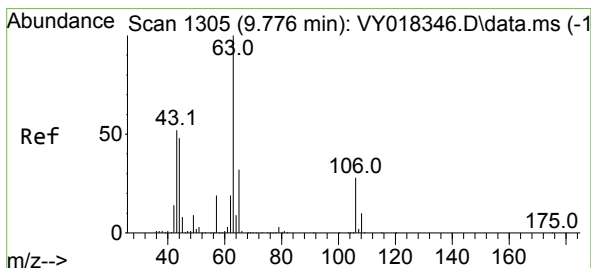
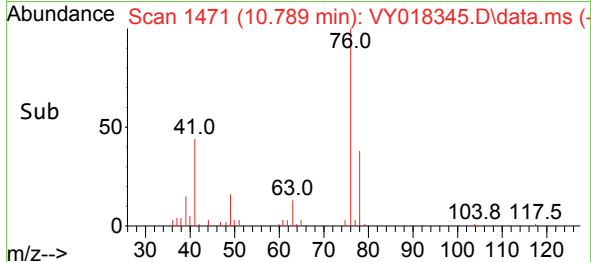
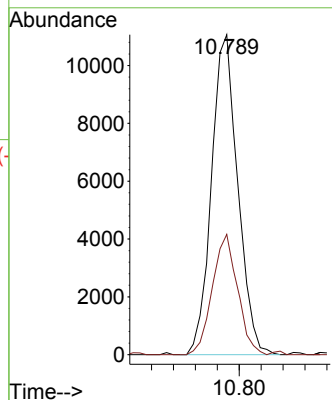
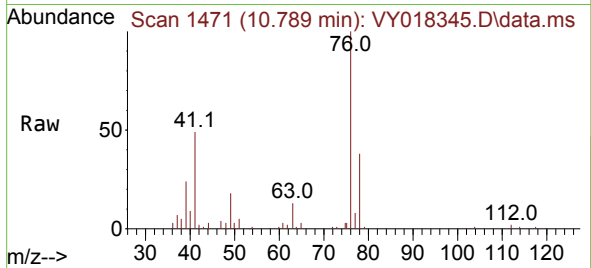




#57  
1,3-Dichloropropane  
Concen: 8.682 ug/l  
RT: 10.789 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

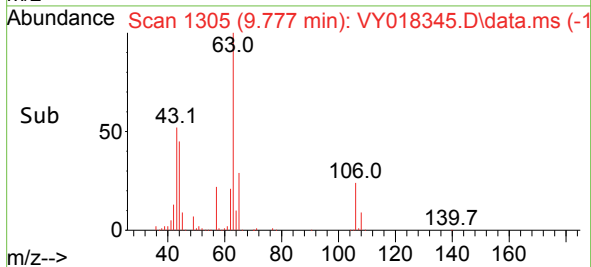
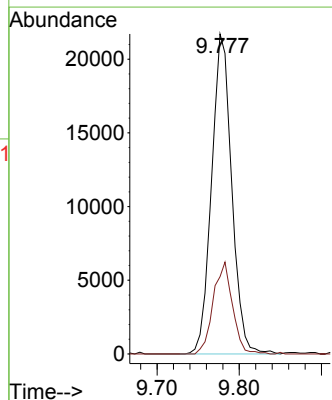
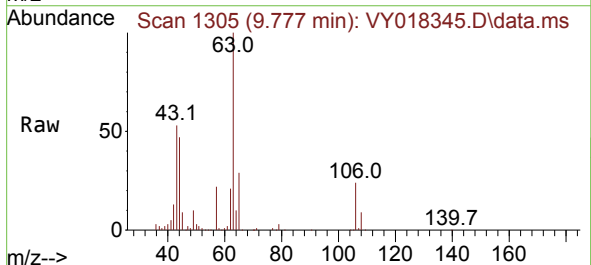
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

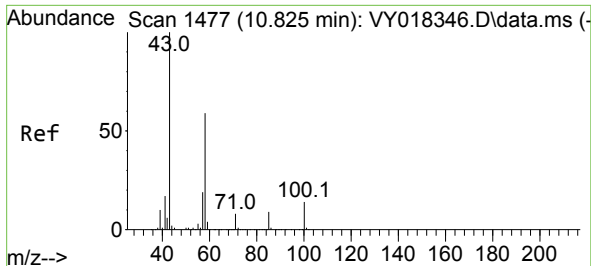
Tgt Ion: 76 Resp: 18413  
Ion Ratio Lower Upper  
76 100  
78 36.0 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 47.752 ug/l  
RT: 9.777 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 63 Resp: 37031  
Ion Ratio Lower Upper  
63 100  
106 27.5 23.7 35.5

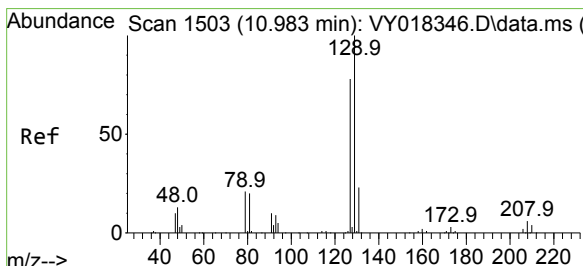
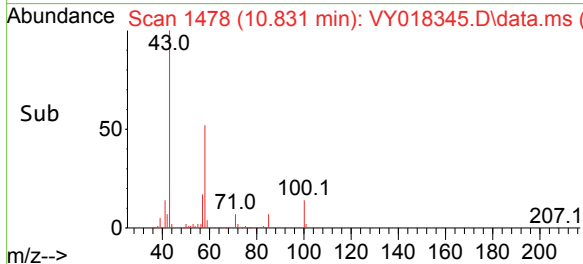
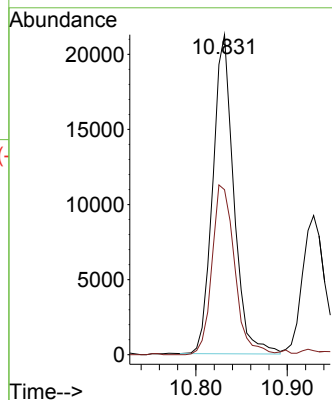
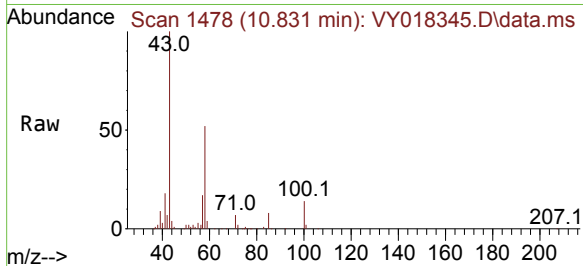




#59  
2-Hexanone  
Concen: 44.554 ug/l  
RT: 10.831 min Scan# 1477  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

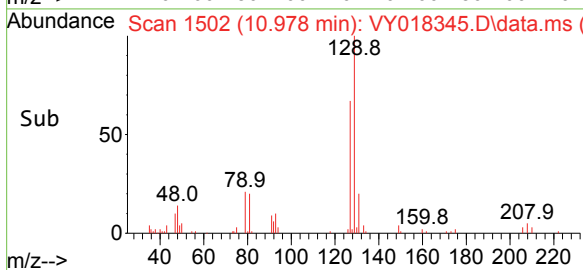
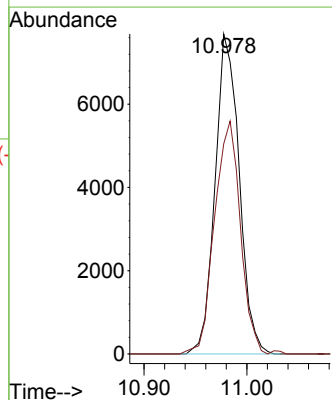
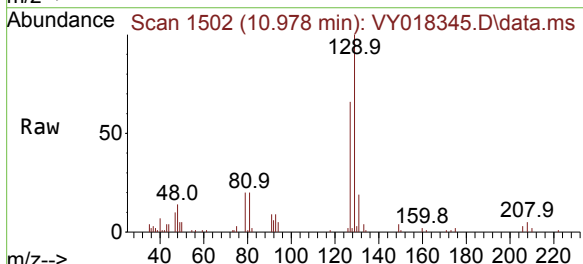
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

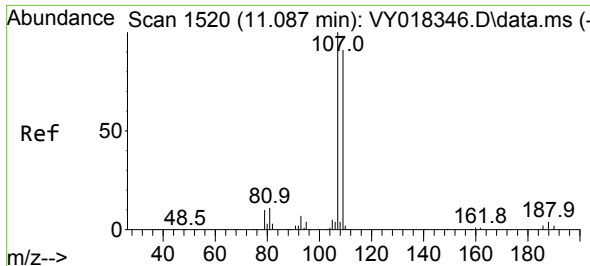
Tgt Ion: 43 Resp: 33901  
Ion Ratio Lower Upper  
43 100  
58 57.4 31.4 94.0



#60  
Dibromochloromethane  
Concen: 8.276 ug/l  
RT: 10.978 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 129 Resp: 12508  
Ion Ratio Lower Upper  
129 100  
127 77.9 39.0 117.0

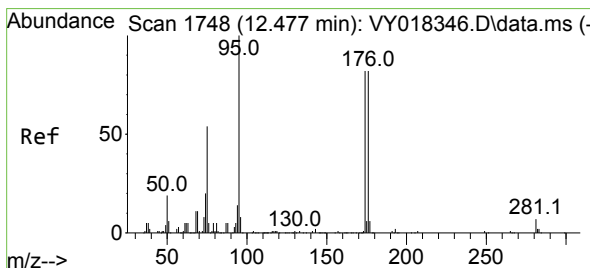
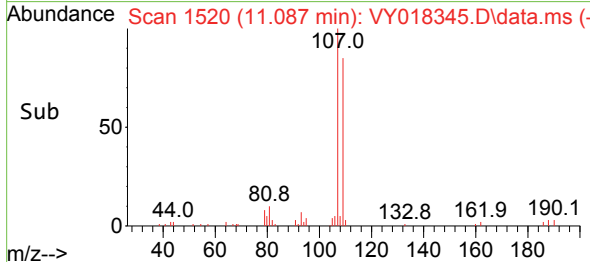
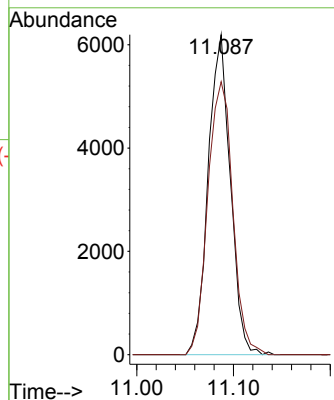
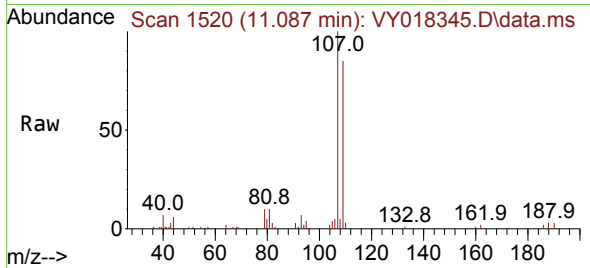




#61  
1,2-Dibromoethane  
Concen: 8.521 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

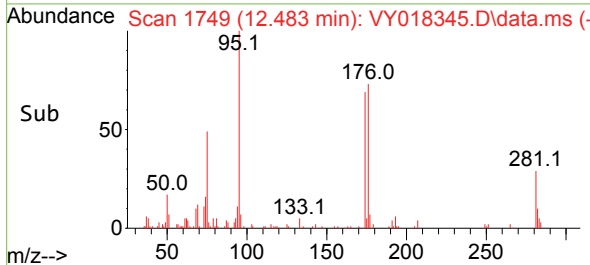
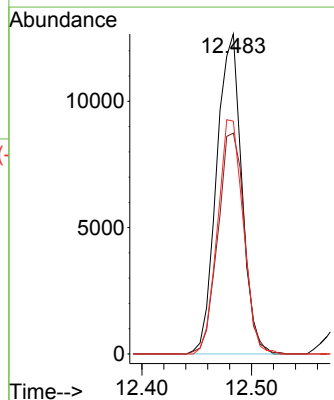
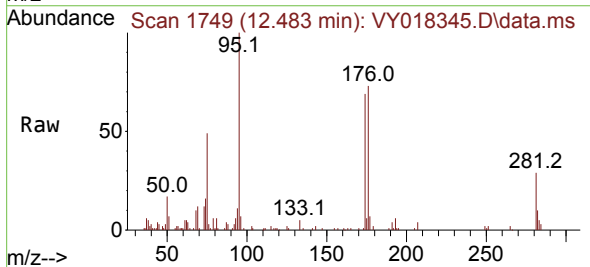
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

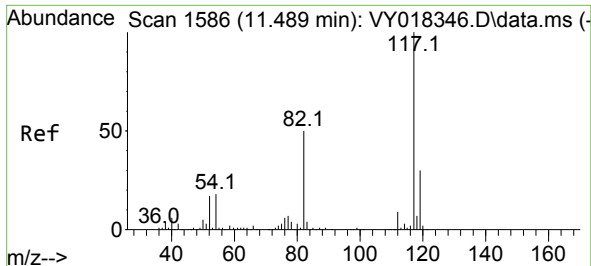
Tgt Ion:107 Resp: 9838  
Ion Ratio Lower Upper  
107 100  
109 96.3 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 10.350 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 95 Resp: 20184  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 175.6  
176 74.9 0.0 171.4

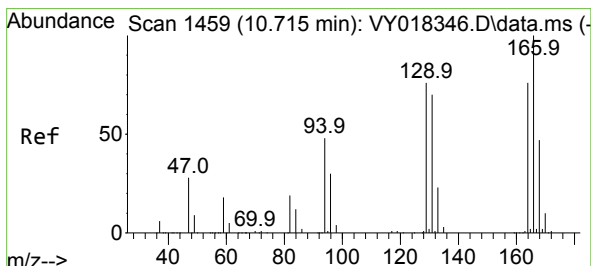
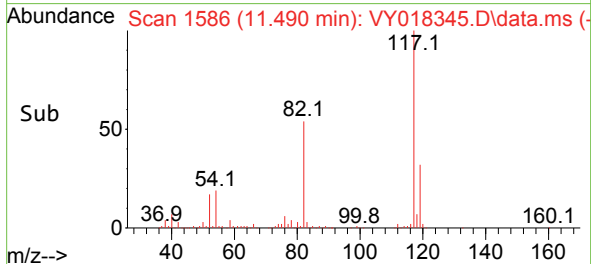
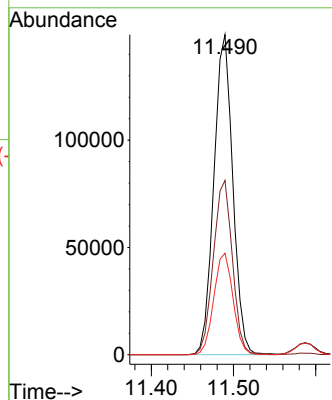
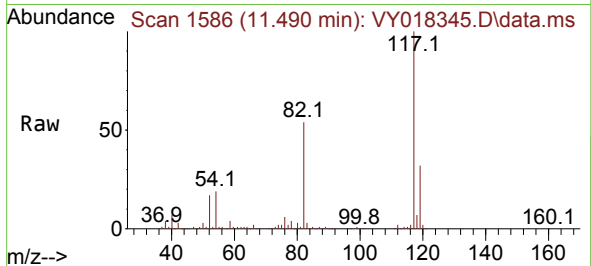




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

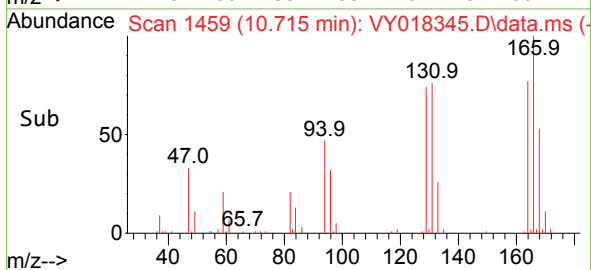
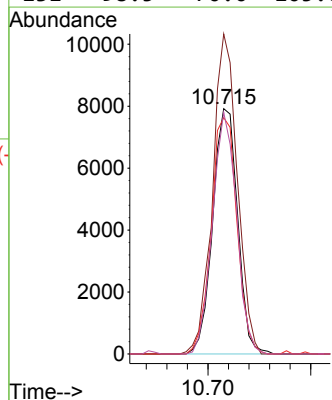
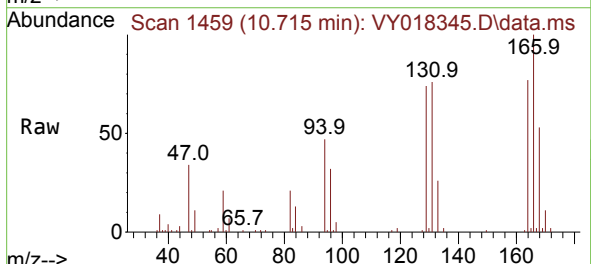
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

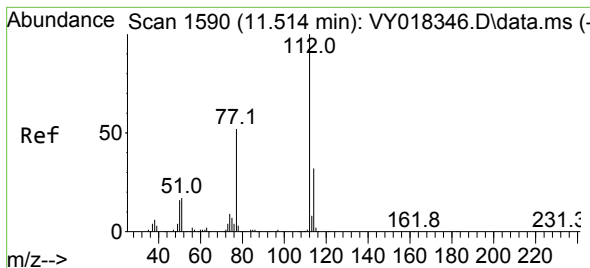
Tgt Ion:117 Resp: 238575  
Ion Ratio Lower Upper  
117 100  
82 54.5 42.4 63.6  
119 31.7 25.9 38.9



#64  
Tetrachloroethene  
Concen: 7.853 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion:164 Resp: 13291  
Ion Ratio Lower Upper  
164 100  
166 130.5 102.6 154.0  
129 96.4 72.0 108.0  
131 98.5 70.0 105.0





#65

Chlorobenzene

Concen: 8.338 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

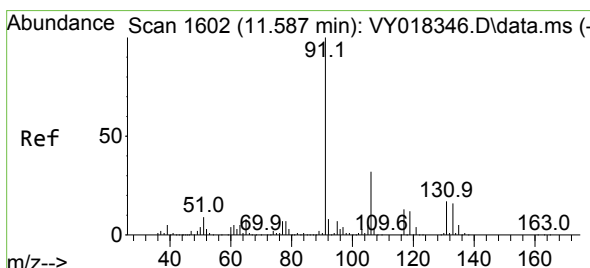
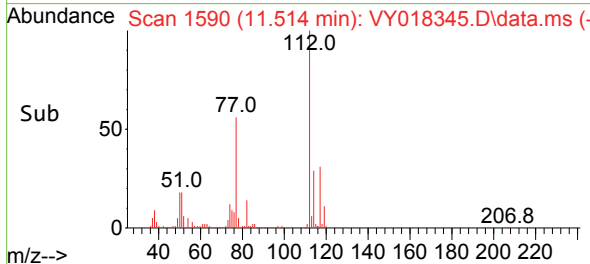
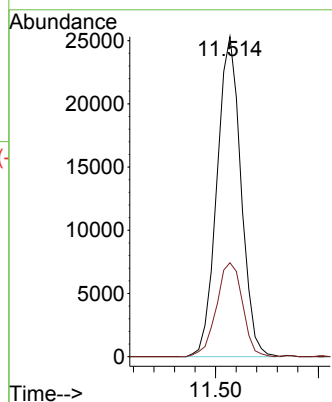
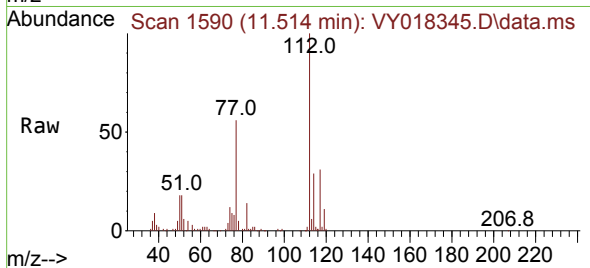
VSTDIC020

Tgt Ion:112 Resp: 41094

Ion Ratio Lower Upper

112 100

114 29.1 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 8.091 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

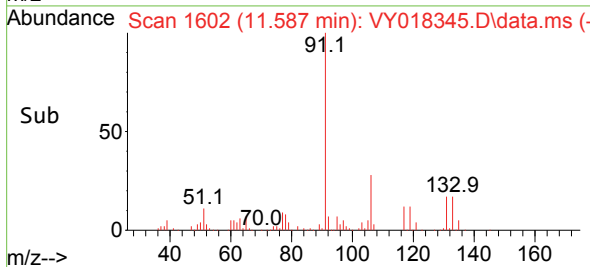
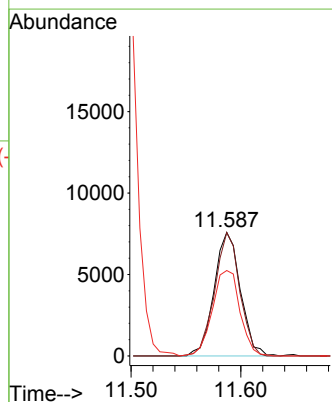
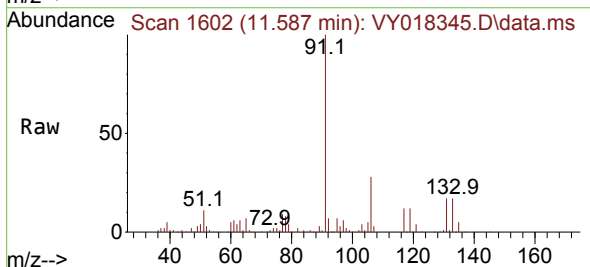
Tgt Ion:131 Resp: 12615

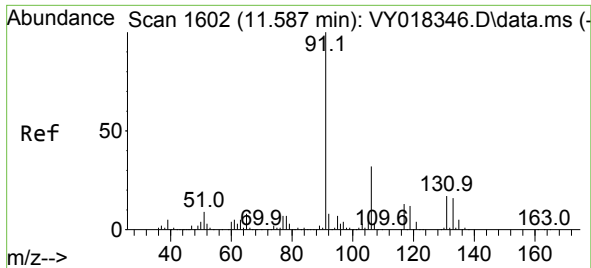
Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

119 72.5 34.1 102.2

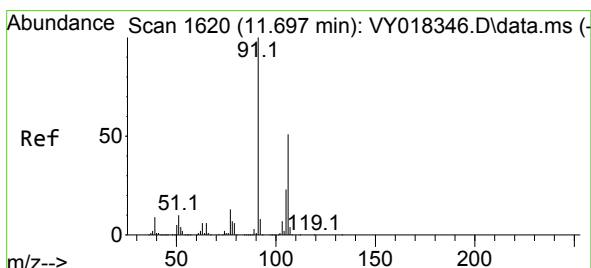
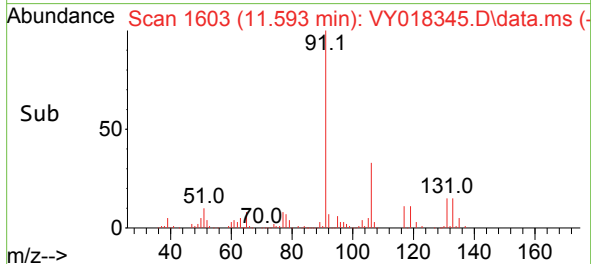
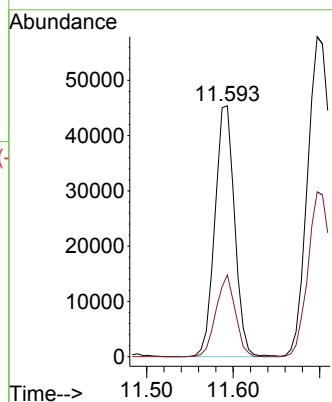
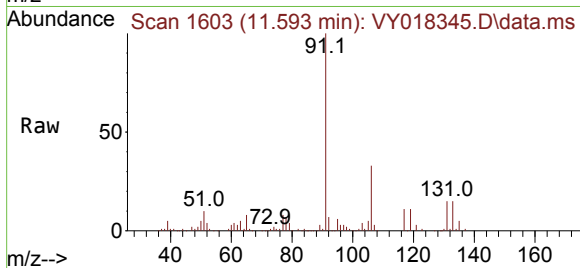




#67  
Ethyl Benzene  
Concen: 8.300 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

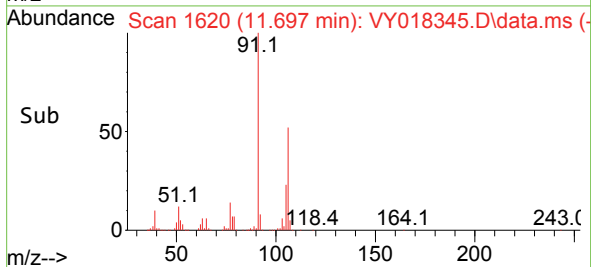
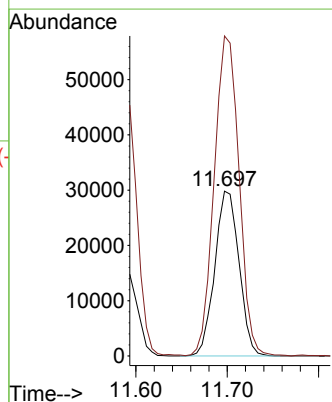
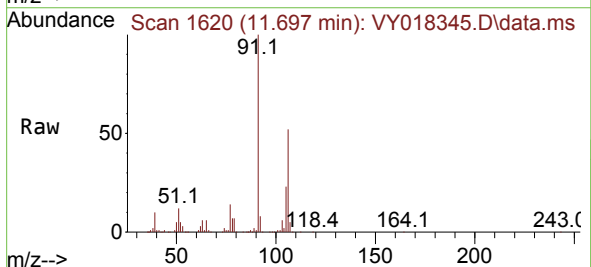
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

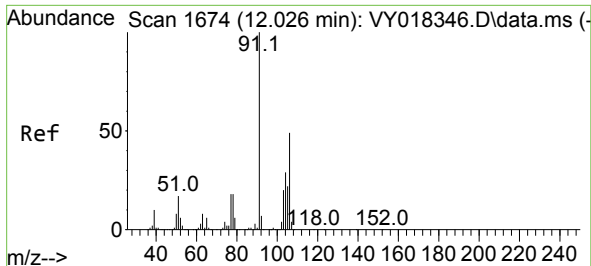
Tgt Ion: 91 Resp: 71833  
Ion Ratio Lower Upper  
91 100  
106 32.6 24.5 36.7



#68  
m/p-Xylenes  
Concen: 16.505 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 106 Resp: 54962  
Ion Ratio Lower Upper  
106 100  
91 199.1 156.0 234.0

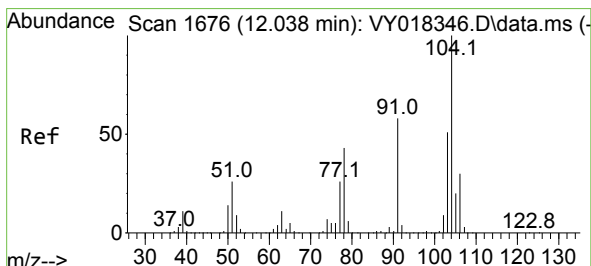
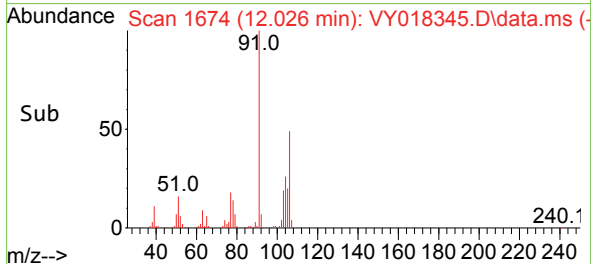
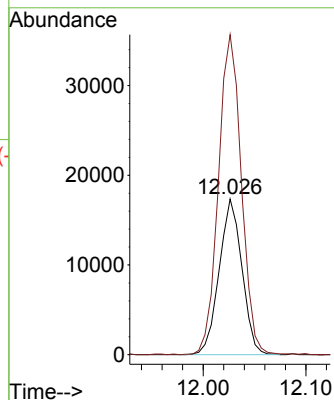
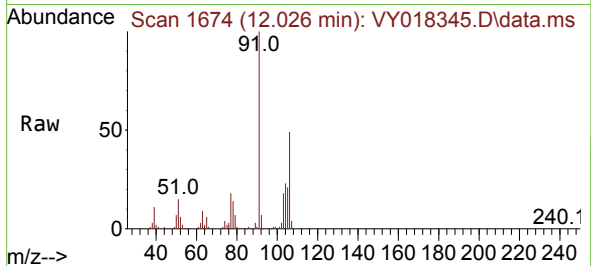




#69  
o-Xylene  
Concen: 8.500 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

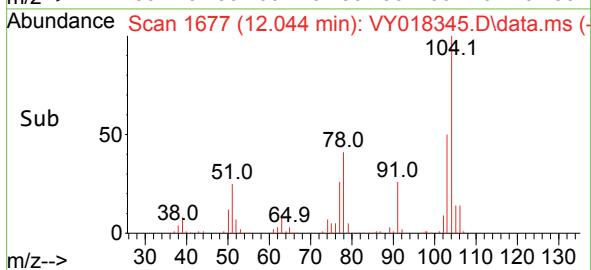
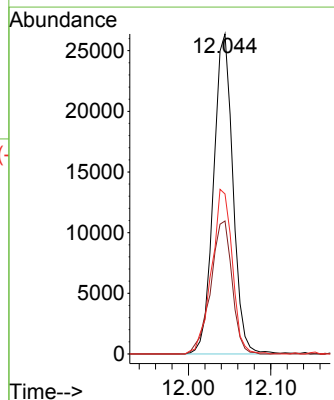
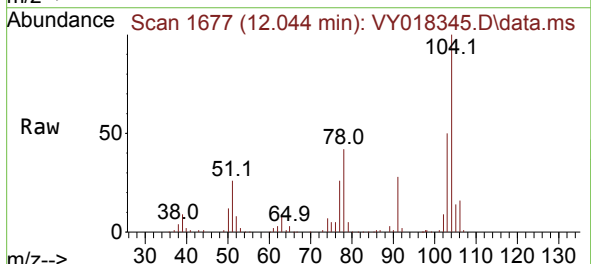
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

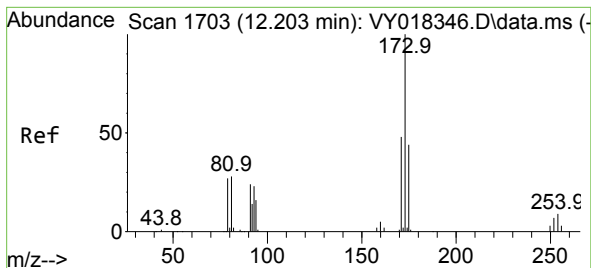
Tgt Ion:106 Resp: 26712  
Ion Ratio Lower Upper  
106 100  
91 207.4 103.6 310.8



#70  
Styrene  
Concen: 8.320 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion:104 Resp: 43221  
Ion Ratio Lower Upper  
104 100  
78 45.7 37.0 55.4  
103 54.7 44.2 66.2





#71

Bromoform

Concen: 7.333 ug/l

RT: 12.209 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC020

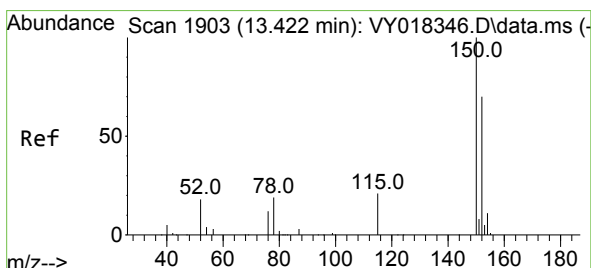
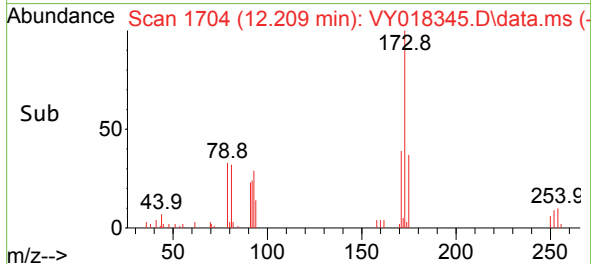
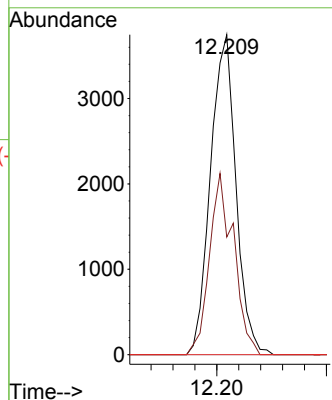
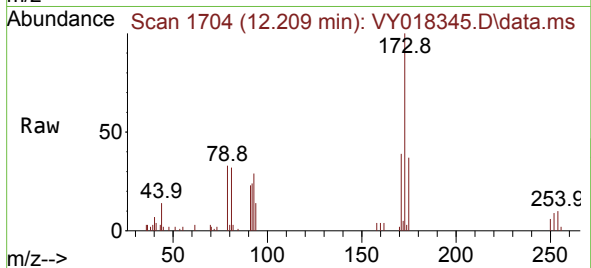
Tgt Ion:173 Resp: 6047

Ion Ratio Lower Upper

173 100

175 53.9 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

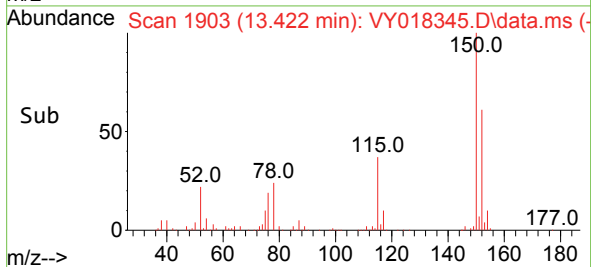
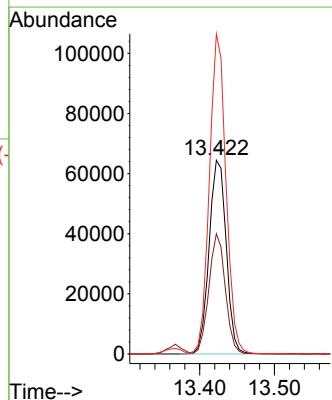
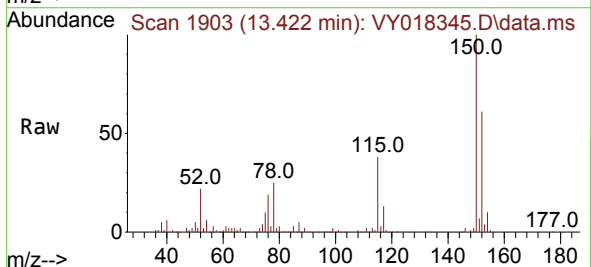
Tgt Ion:152 Resp: 102769

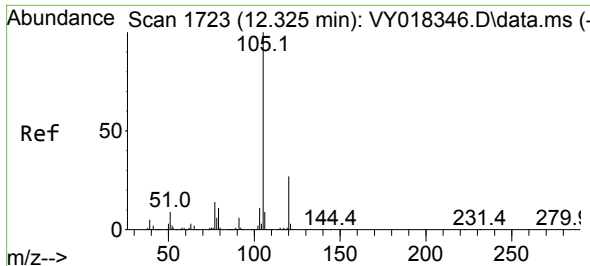
Ion Ratio Lower Upper

152 100

115 59.4 28.2 84.7

150 160.0 0.0 345.6

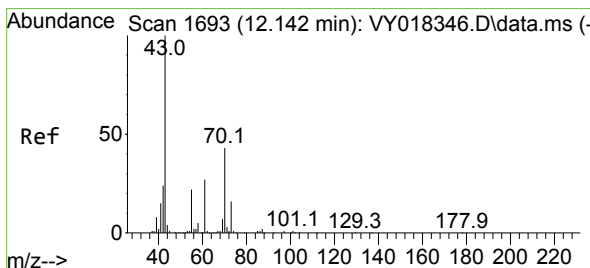
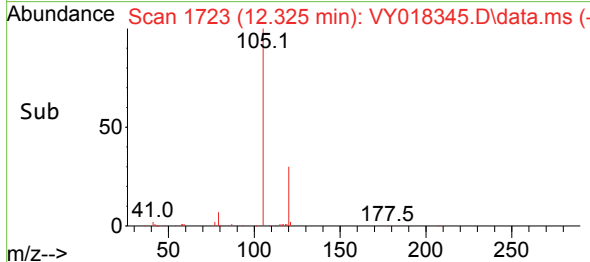
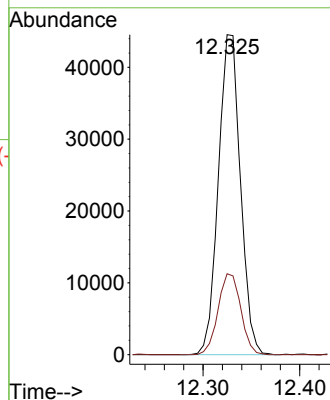
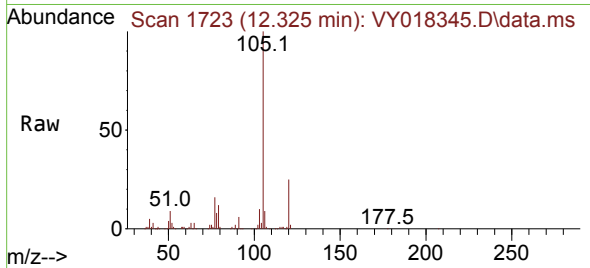




#73  
Isopropylbenzene  
Concen: 8.723 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

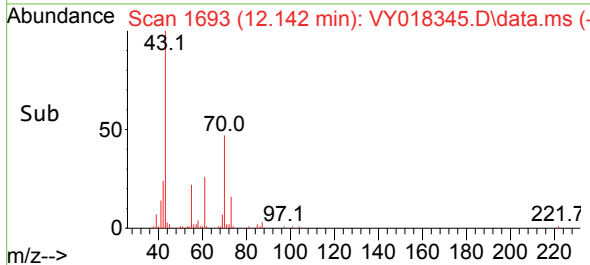
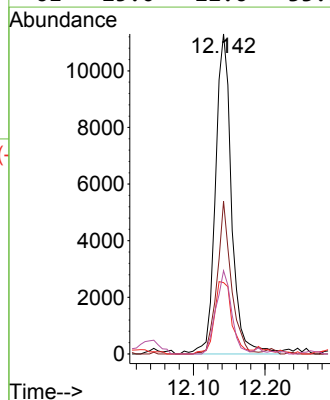
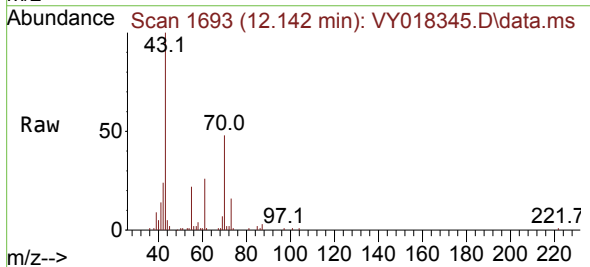
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

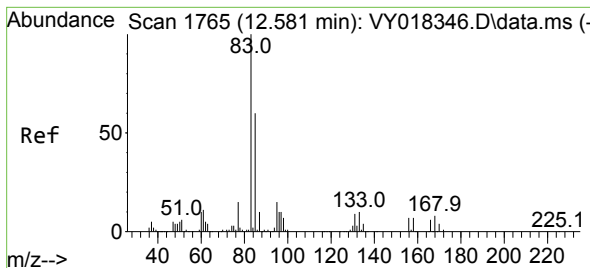
Tgt Ion:105 Resp: 70459  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.4 40.1



#74  
N-ethyl acetate  
Concen: 9.382 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 43 Resp: 17681  
Ion Ratio Lower Upper  
43 100  
70 41.6 41.4 62.2  
55 24.9 23.3 34.9  
61 25.0 22.6 33.8

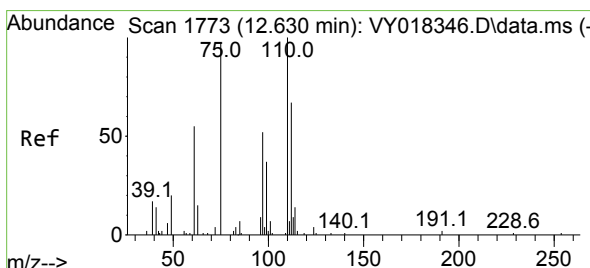
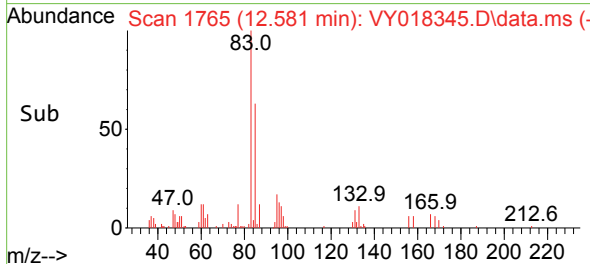
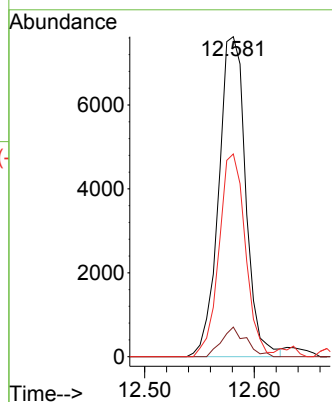
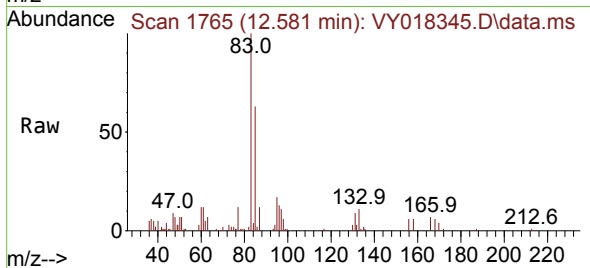




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 9.480 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. 0.000 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

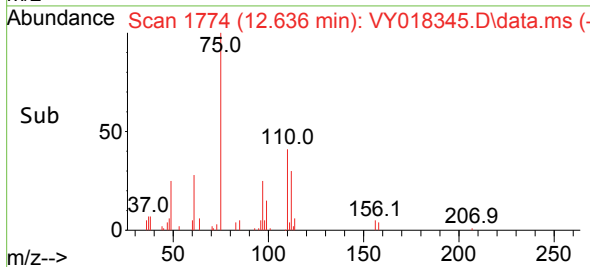
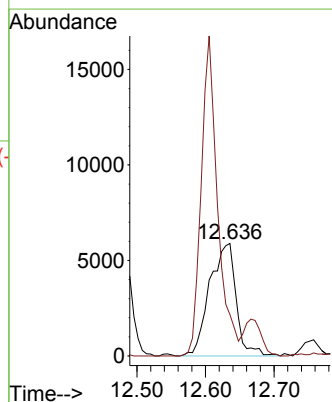
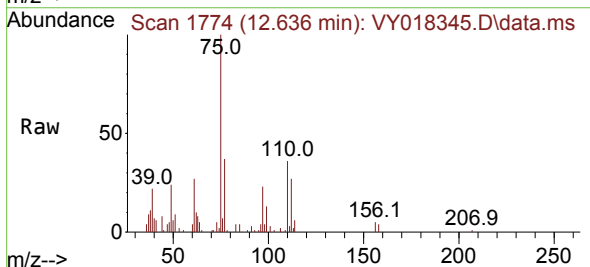
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC020

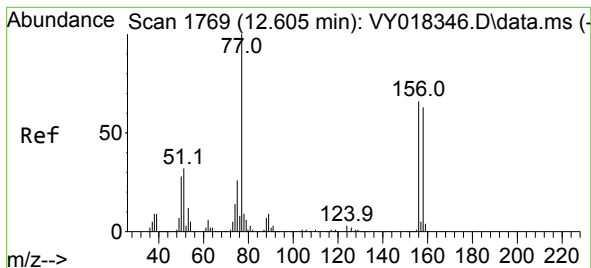
Tgt Ion: 83 Resp: 13047  
 Ion Ratio Lower Upper  
 83 100  
 131 8.4 5.0 14.9  
 85 61.9 32.0 96.0



#76  
 1,2,3-Trichloropropane  
 Concen: 16.578 ug/l  
 RT: 12.636 min Scan# 1774  
 Delta R.T. 0.006 min  
 Lab File: VY018345.D  
 Acq: 22 May 2024 13:30

Tgt Ion: 75 Resp: 15840  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 8.210 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

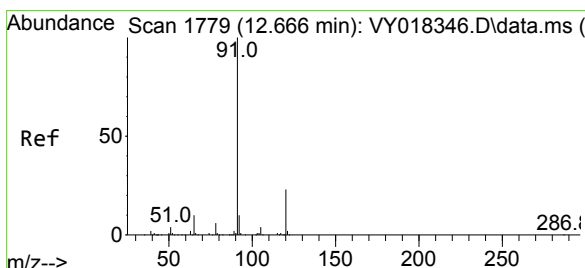
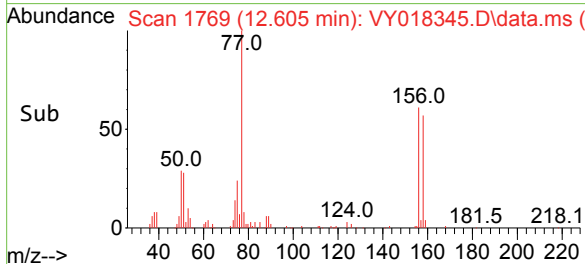
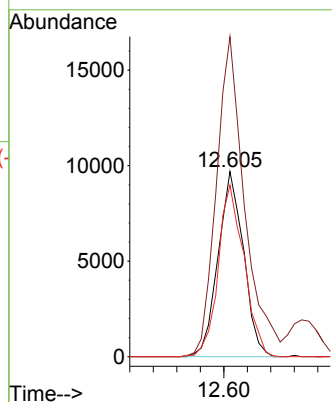
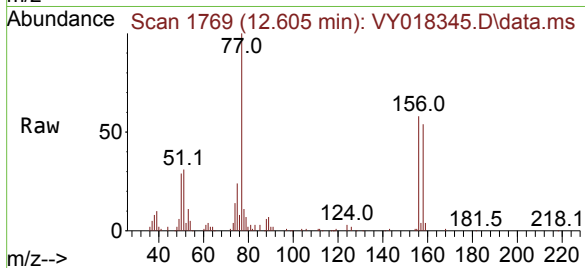
Tgt Ion:156 Resp: 14525

Ion Ratio Lower Upper

156 100

77 192.6 87.1 261.3

158 94.5 48.6 145.9



#78

n-propylbenzene

Concen: 8.757 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY018345.D

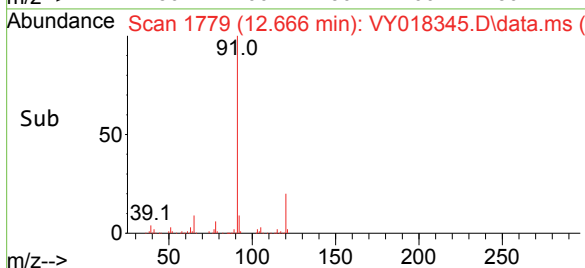
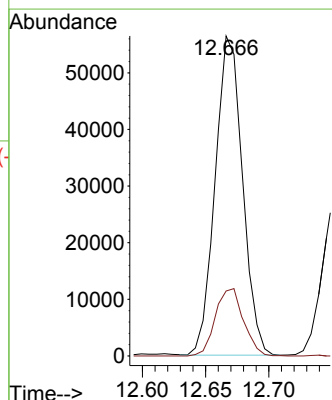
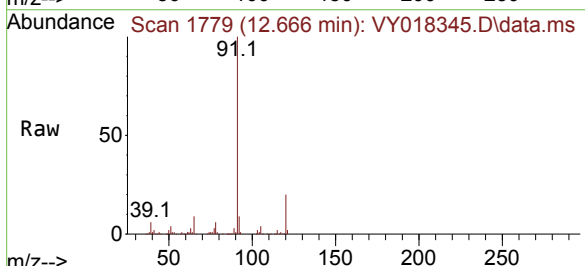
Acq: 22 May 2024 13:30

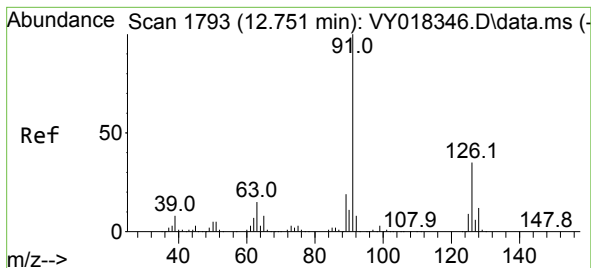
Tgt Ion: 91 Resp: 84699

Ion Ratio Lower Upper

91 100

120 21.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 8.806 ug/l

RT: 12.752 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

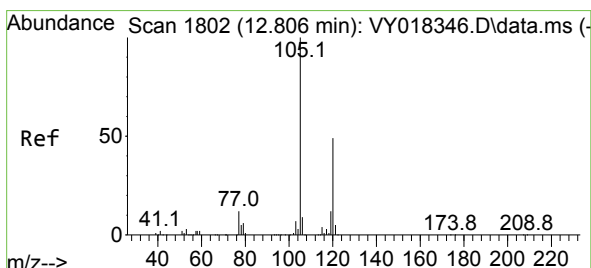
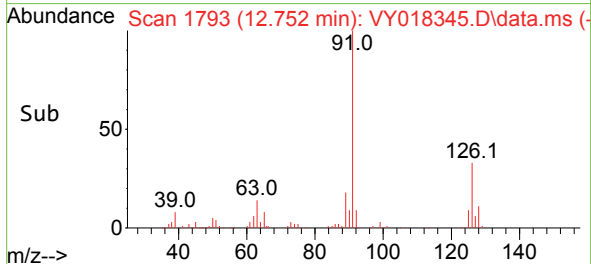
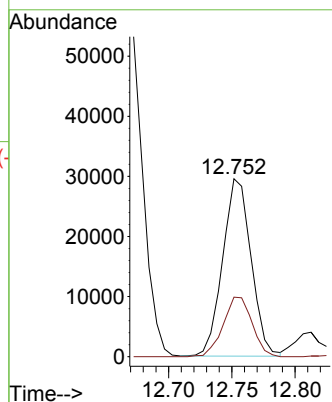
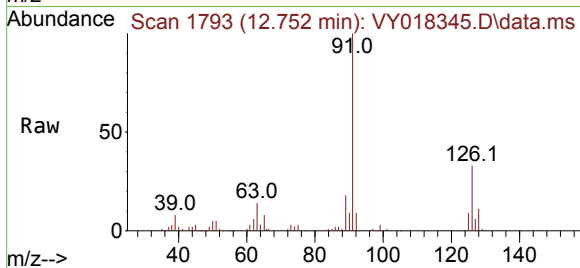
VSTDICC020

Tgt Ion: 91 Resp: 46112

Ion Ratio Lower Upper

91 100

126 34.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 8.664 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY018345.D

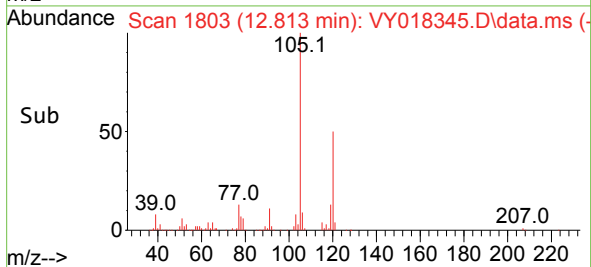
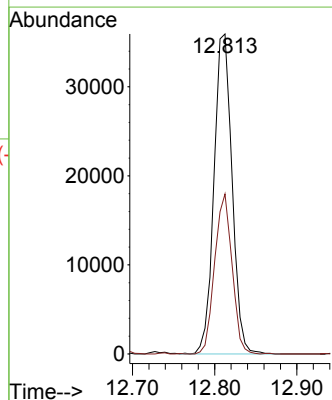
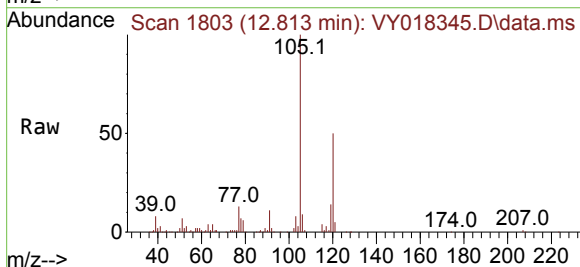
Acq: 22 May 2024 13:30

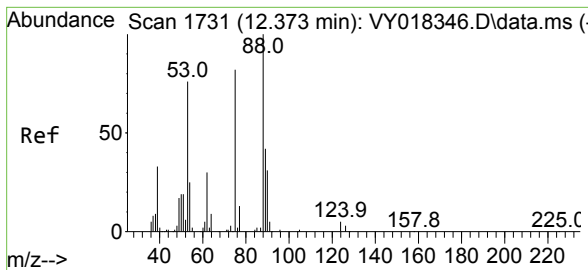
Tgt Ion:105 Resp: 54994

Ion Ratio Lower Upper

105 100

120 48.0 25.1 75.2

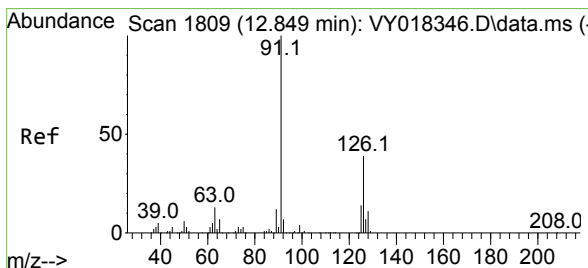
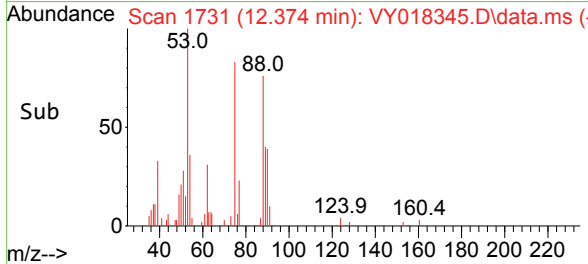
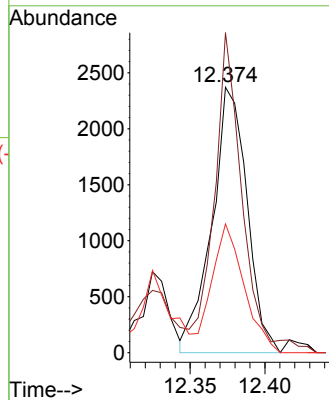
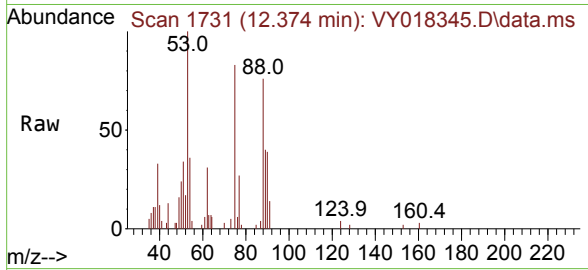




#81  
trans-1,4-Dichloro-2-butene  
Concen: 8.592 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

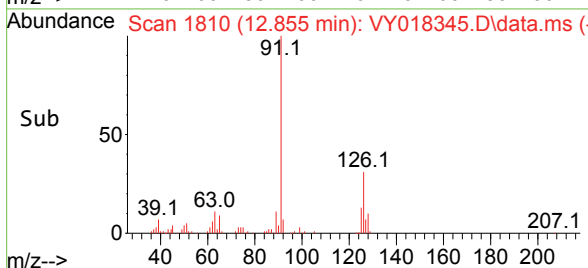
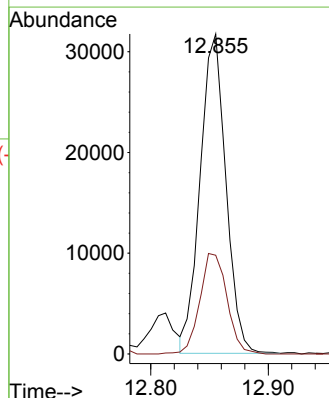
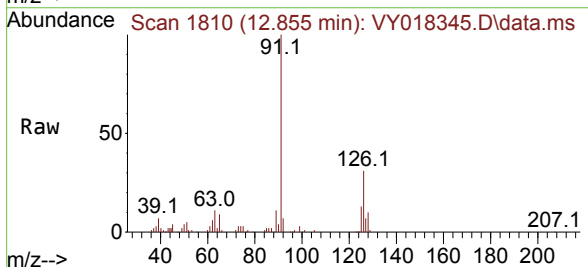
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

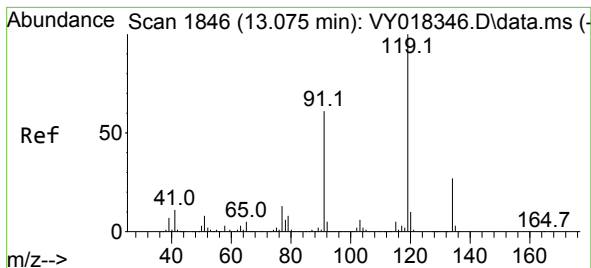
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3857  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 95.8  | 66.8  | 100.2 |
| 89       | 45.1  | 35.8  | 53.6  |



#82  
4-Chlorotoluene  
Concen: 9.093 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 48276 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 33.2  | 17.6  | 52.9  |





#83

tert-Butylbenzene

Concen: 8.482 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

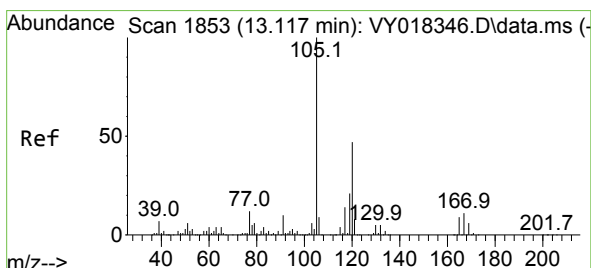
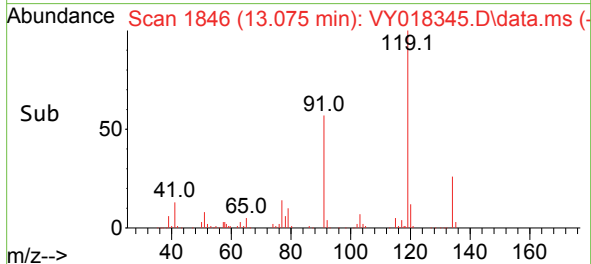
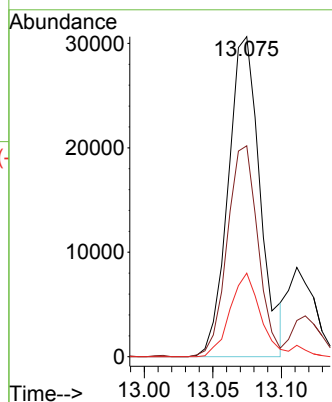
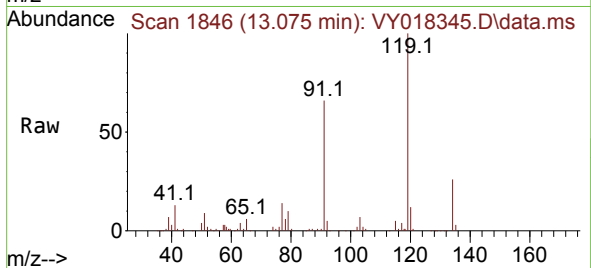
Tgt Ion:119 Resp: 49765

Ion Ratio Lower Upper

119 100

91 63.3 31.3 93.8

134 24.8 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 8.759 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018345.D

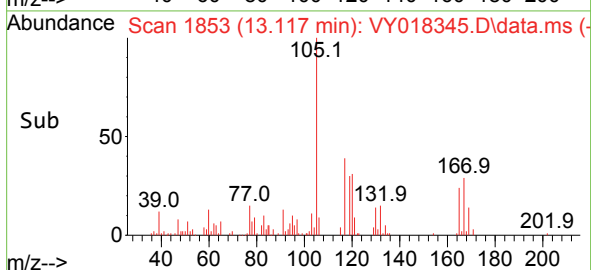
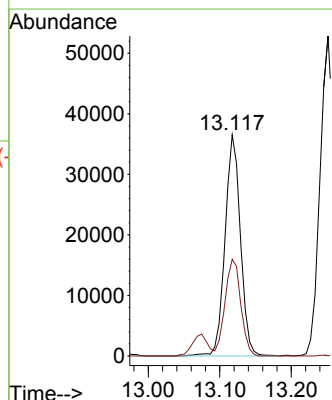
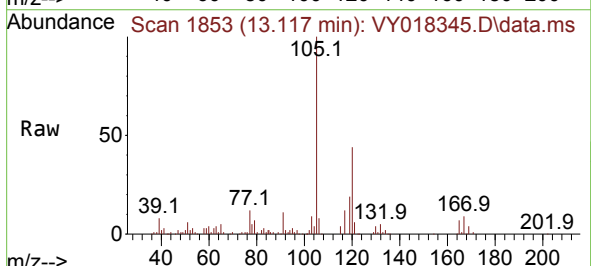
Acq: 22 May 2024 13:30

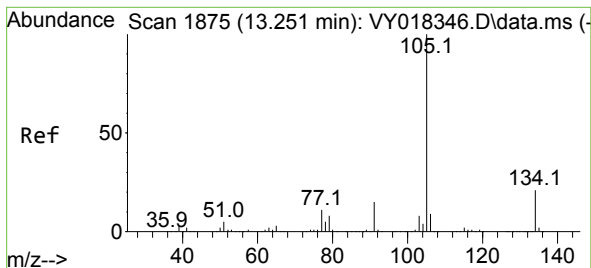
Tgt Ion:105 Resp: 54675

Ion Ratio Lower Upper

105 100

120 44.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 8.791 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

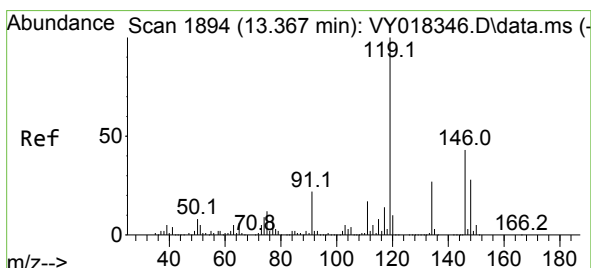
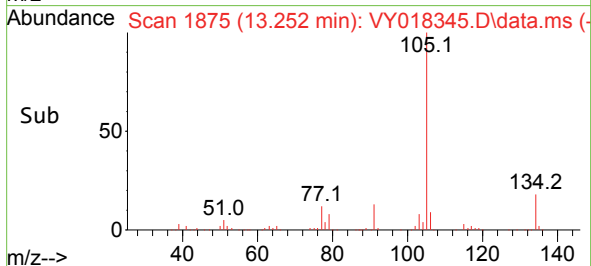
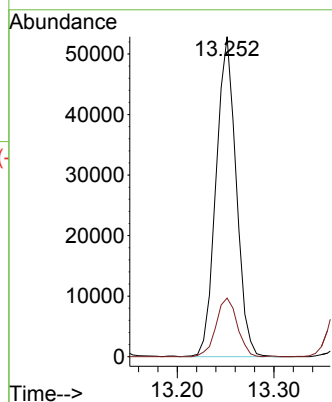
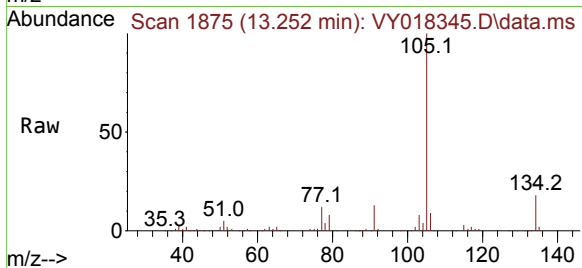
VSTDIC020

Tgt Ion:105 Resp: 76283

Ion Ratio Lower Upper

105 100

134 19.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 8.320 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

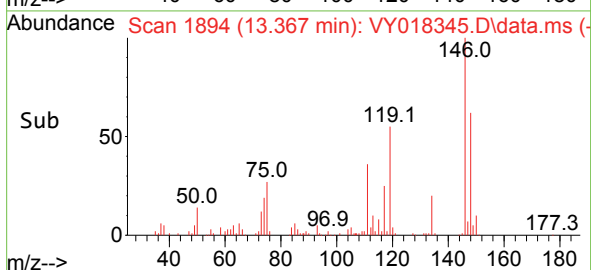
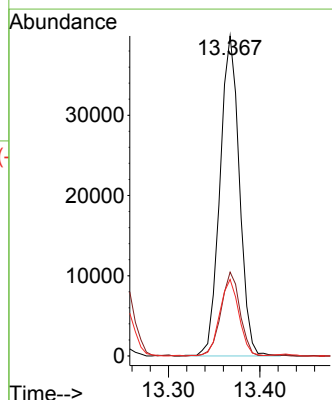
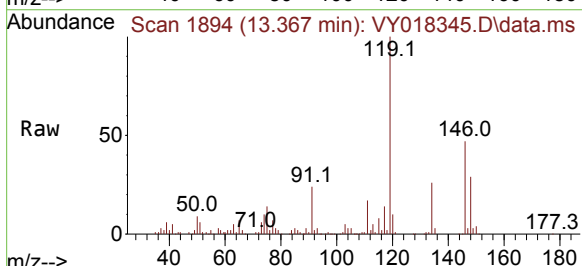
Tgt Ion:119 Resp: 59051

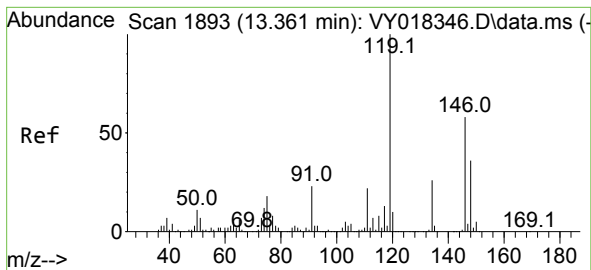
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.7 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 8.453 ug/l

RT: 13.367 min Scan# 1893

Delta R.T. 0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

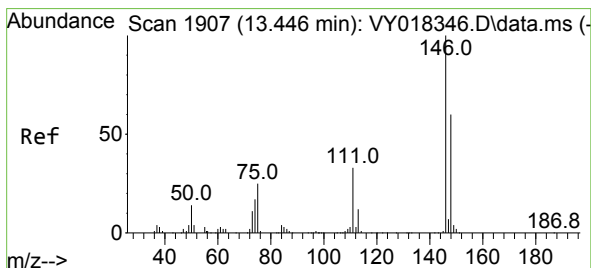
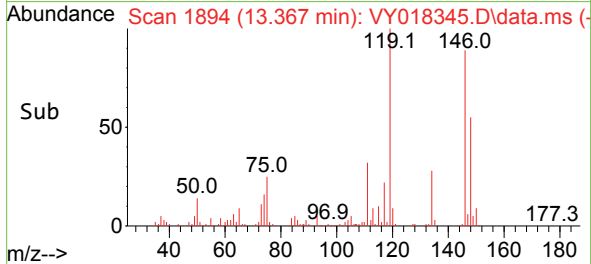
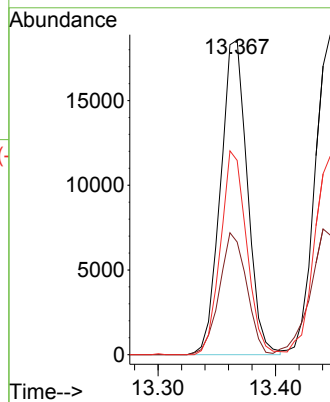
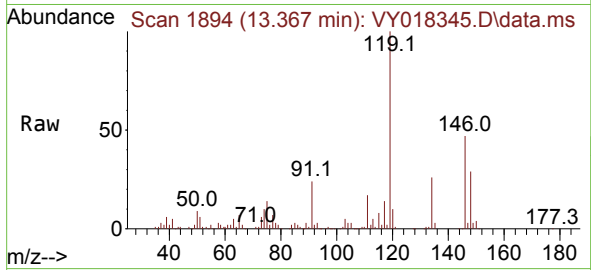
Tgt Ion:146 Resp: 29447

Ion Ratio Lower Upper

146 100

111 39.4 19.0 57.0

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 8.224 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

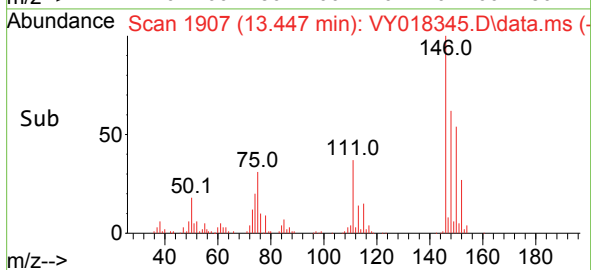
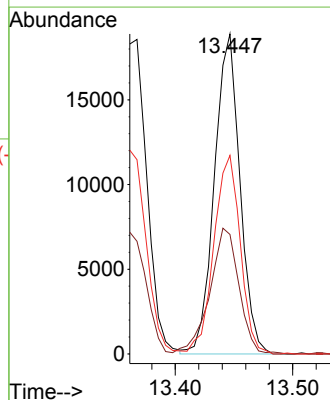
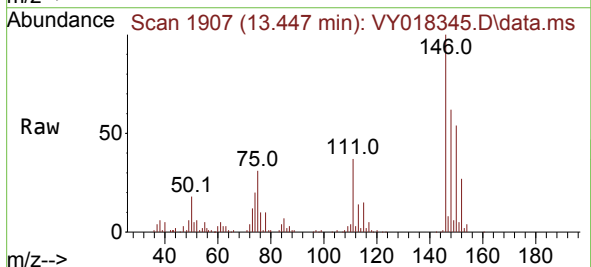
Tgt Ion:146 Resp: 28514

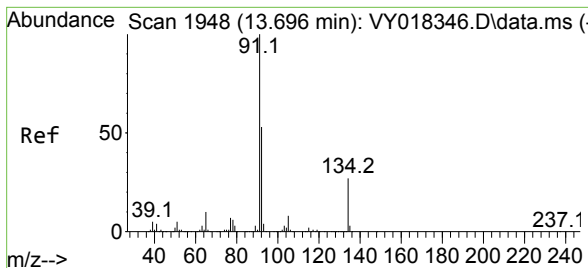
Ion Ratio Lower Upper

146 100

111 45.0 18.4 55.4

148 64.2 32.4 97.2





#89

n-Butylbenzene

Concen: 8.871 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

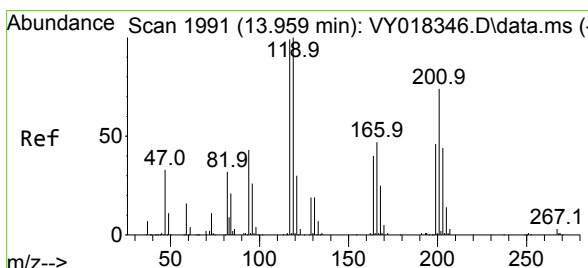
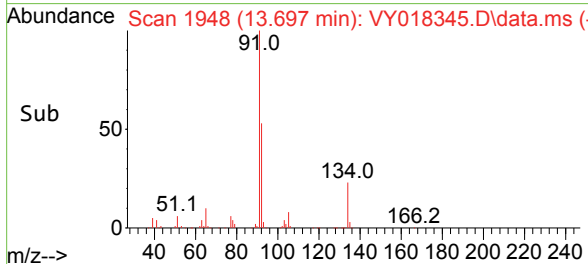
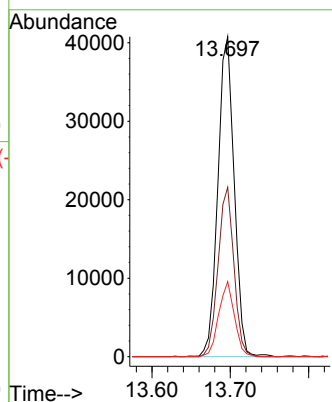
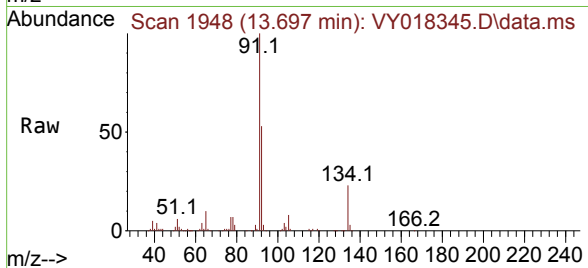
Tgt Ion: 91 Resp: 59172

Ion Ratio Lower Upper

91 100

92 51.3 26.6 79.7

134 22.6 12.9 38.7



#90

Hexachloroethane

Concen: 8.163 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY018345.D

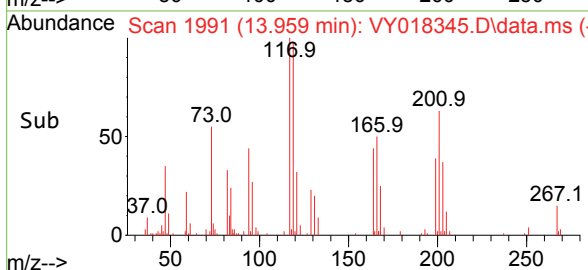
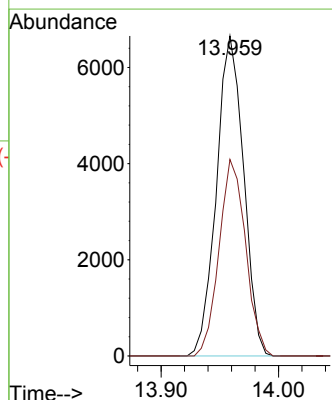
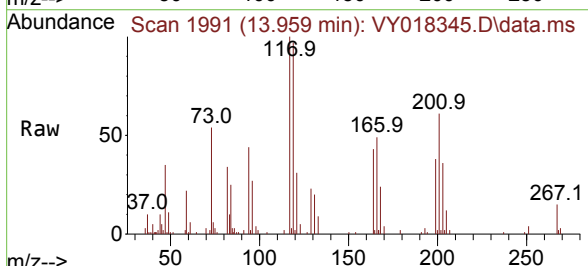
Acq: 22 May 2024 13:30

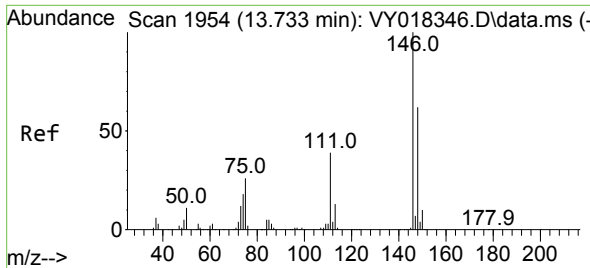
Tgt Ion: 117 Resp: 10700

Ion Ratio Lower Upper

117 100

201 60.0 37.4 112.2

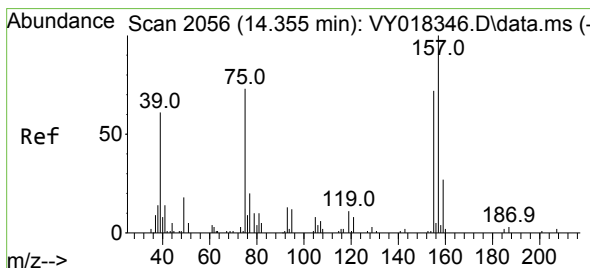
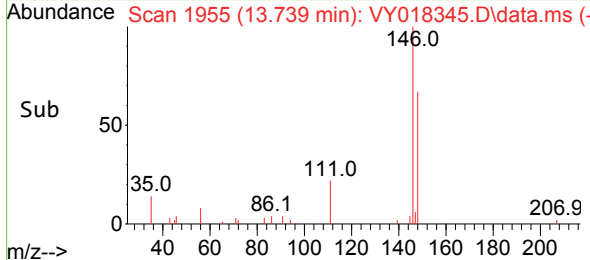
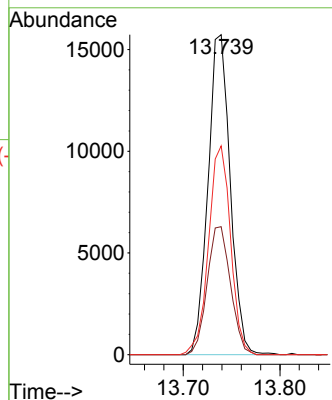
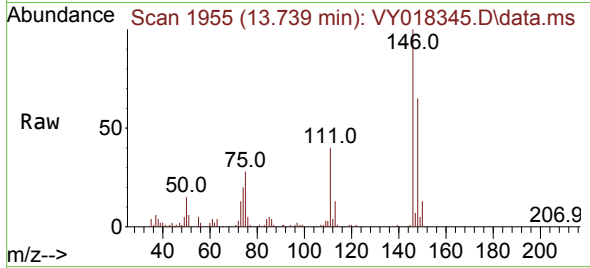




#91  
1,2-Dichlorobenzene  
Concen: 8.331 ug/l  
RT: 13.739 min Scan# 1954  
Delta R.T. 0.006 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

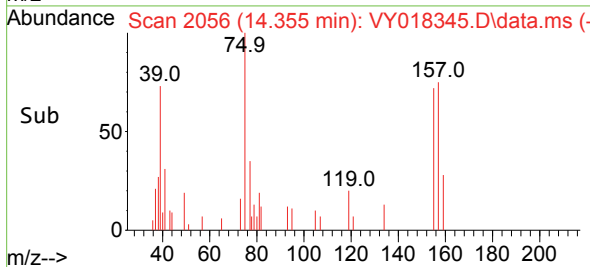
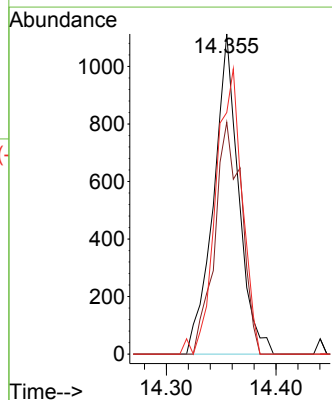
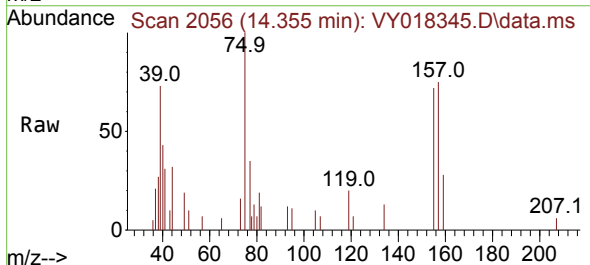
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC020

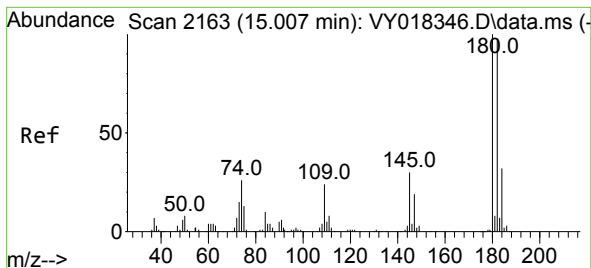
Tgt Ion:146 Resp: 25184  
Ion Ratio Lower Upper  
146 100  
111 41.9 19.9 59.7  
148 64.4 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.371 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY018345.D  
Acq: 22 May 2024 13:30

Tgt Ion: 75 Resp: 1769  
Ion Ratio Lower Upper  
75 100  
155 77.4 48.6 145.8  
157 93.0 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 7.892 ug/l

RT: 15.001 min Scan# 2163

Delta R.T. -0.006 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

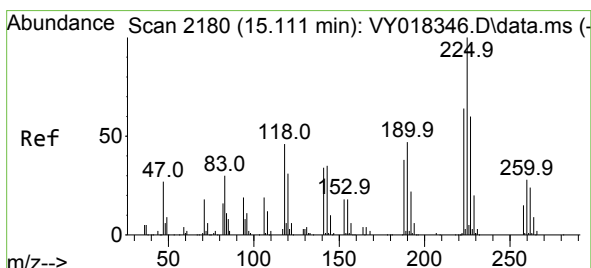
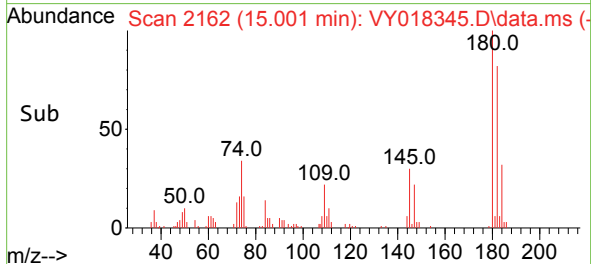
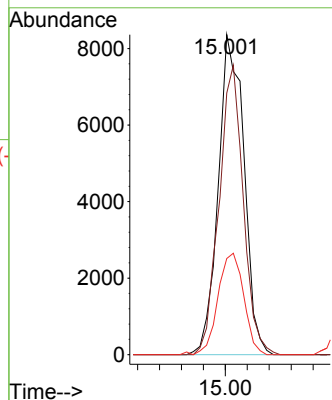
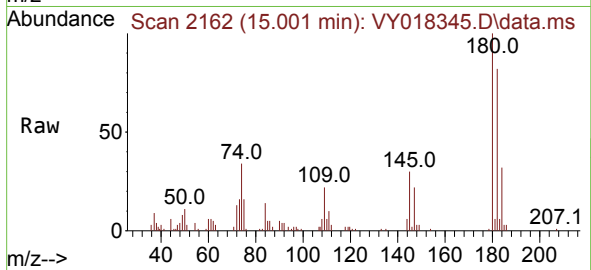
Tgt Ion:180 Resp: 13588

Ion Ratio Lower Upper

180 100

182 85.3 47.9 143.8

145 31.9 14.2 42.6



#94

Hexachlorobutadiene

Concen: 7.499 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

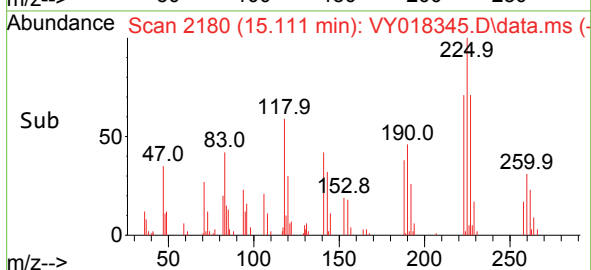
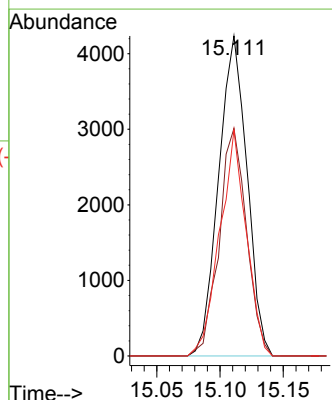
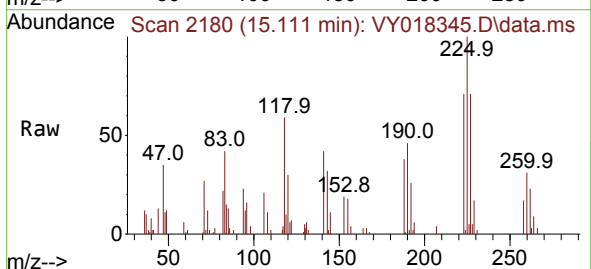
Tgt Ion:225 Resp: 6608

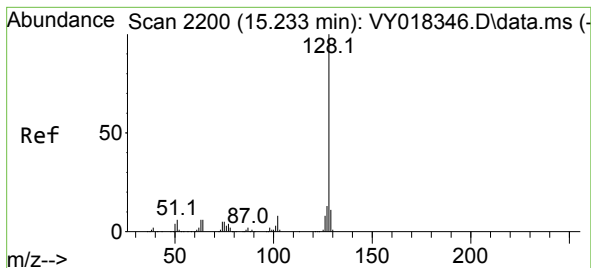
Ion Ratio Lower Upper

225 100

223 68.5 30.4 91.2

227 66.1 31.9 95.9





#95

Naphthalene

Concen: 7.726 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

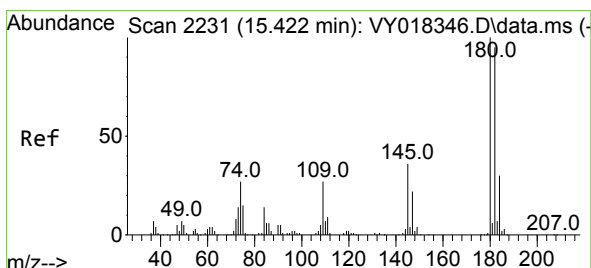
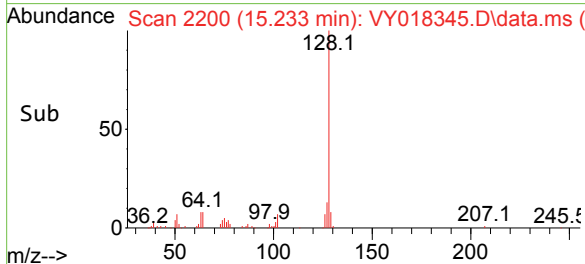
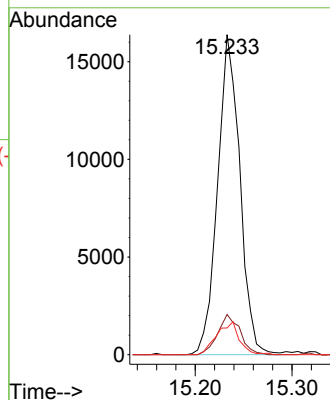
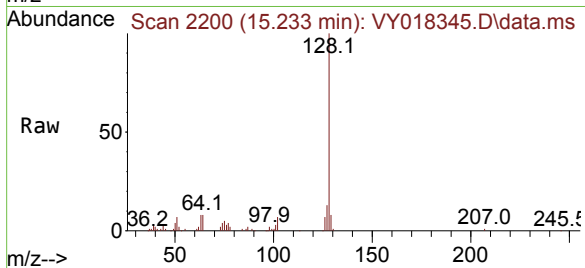
Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 26160 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.6  | 10.6  | 16.0  |
| 129       | 10.5  | 8.6   | 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 7.971 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY018345.D

Acq: 22 May 2024 13:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 11668 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.0  | 47.6  | 142.9 |
| 145       | 33.4  | 15.4  | 46.1  |

