

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102422\  
 Data File : VY011060.D  
 Acq On : 24 Oct 2022 11:49  
 Operator : KP/MD  
 Sample : VY1024SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1024SBL01

Quant Time: Oct 25 05:28:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

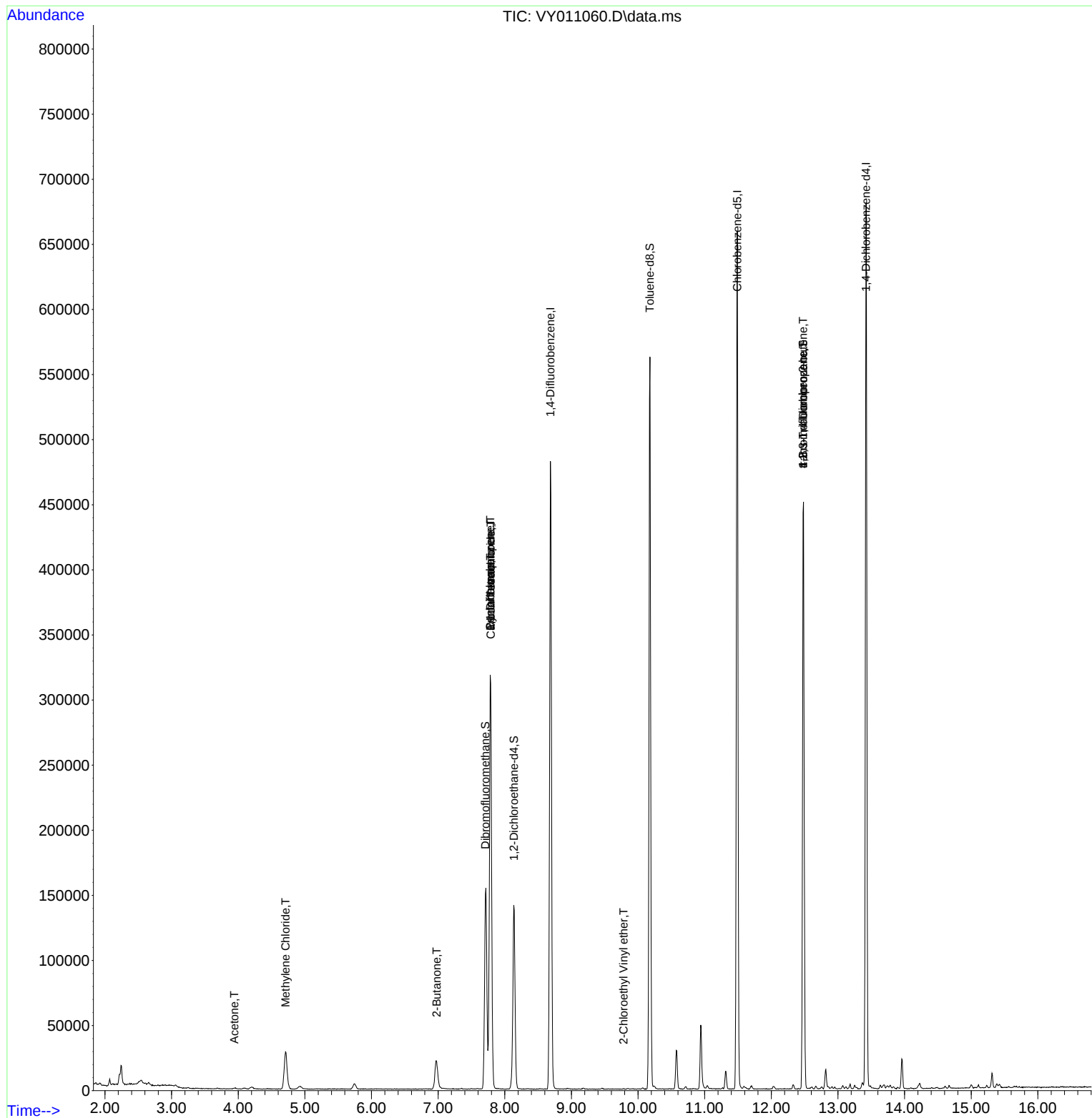
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 252104     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 420564     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 372894     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 174177     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 106342     | 45.793    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 91.580%   |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 111982     | 47.666    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 95.340%   |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 372670     | 42.439    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 84.880%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 134082     | 42.653    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 85.300%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.930          | 59   | 2893       | Below Cal | #      | 77       |
| 16) Acetone                   | 3.942          | 43   | 1382       | 2.049     | ug/l # | 72       |
| 18) Methyl Acetate            | 4.460          | 43   | 150        | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710          | 84   | 22415      | 1.499     | ug/l # | 87       |
| 25) 2-Butanone                | 6.978          | 43   | 2127       | 2.080     | ug/l # | 73       |
| 31) Cyclohexane               | 7.783          | 56   | 4854       | 1.092     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 19051      | 4.866     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 24415      | 6.041     | ug/l # | 16       |
| 58) 2-Chloroethyl Vinyl ether | 9.782          | 63   | 130        | 17.039    | ug/l # | 48       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 65723      | 33.236    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 65723      | 71.481    | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

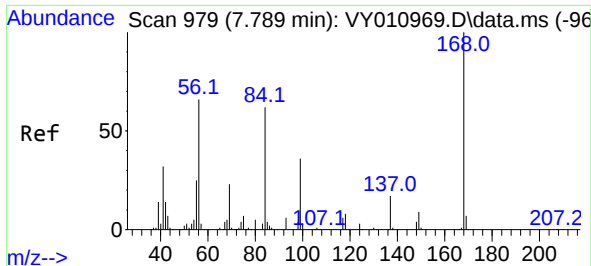
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY1024SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
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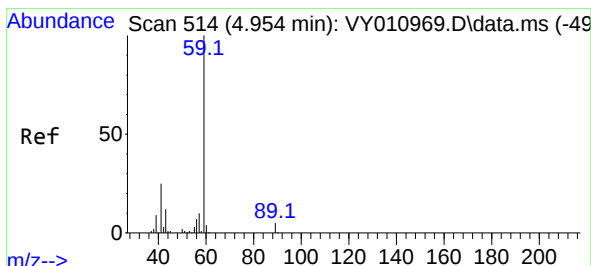
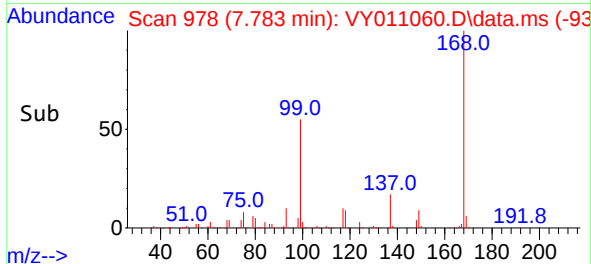
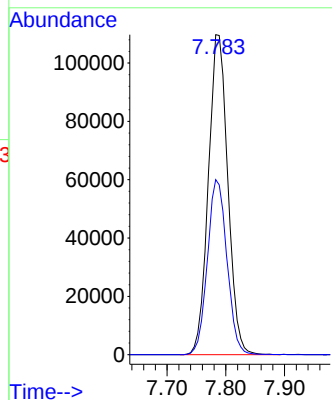
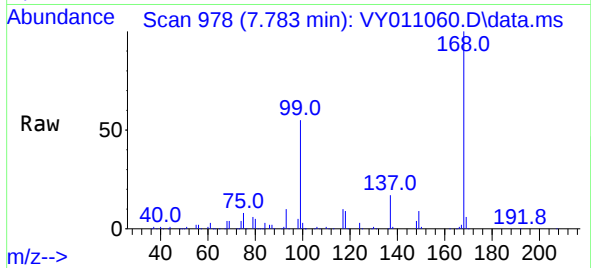




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

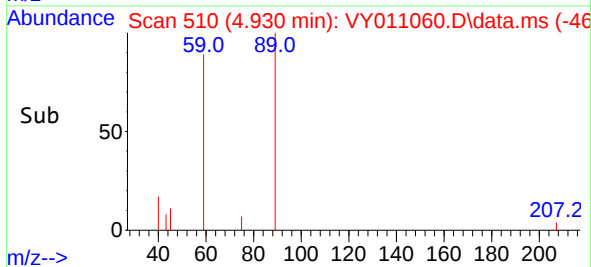
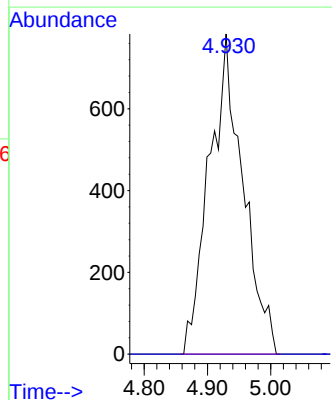
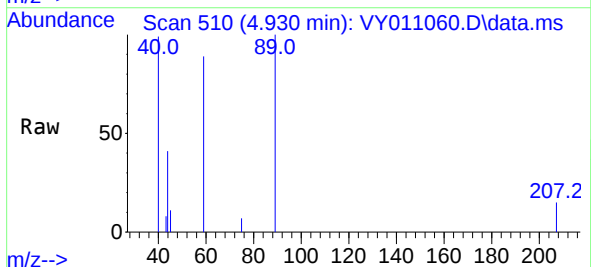
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

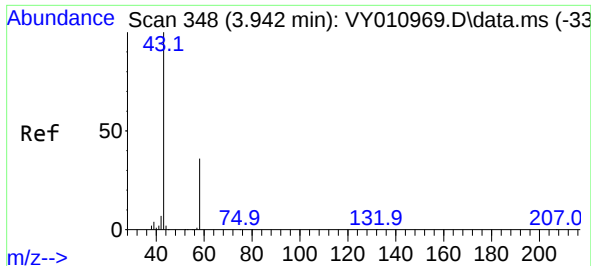
Tgt Ion:168 Resp: 252104  
Ion Ratio Lower Upper  
168 100  
99 54.7 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.024 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 59 Resp: 2893  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

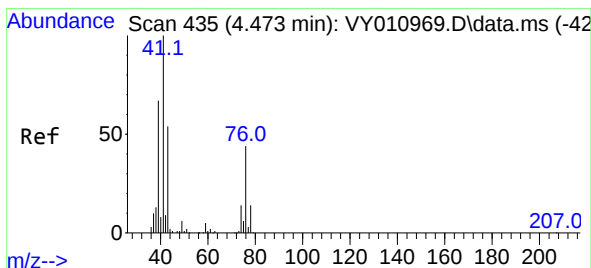
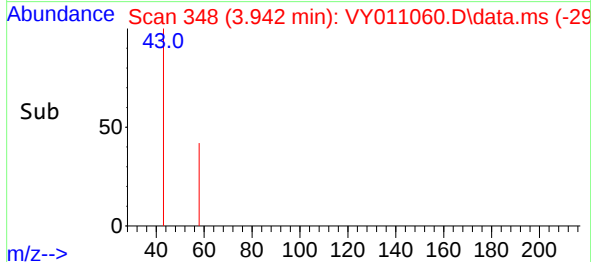
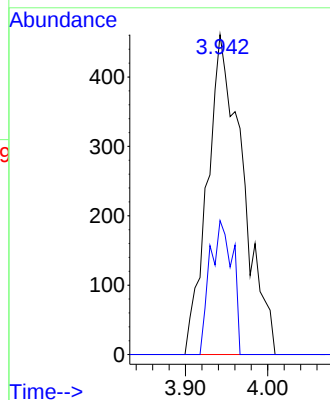
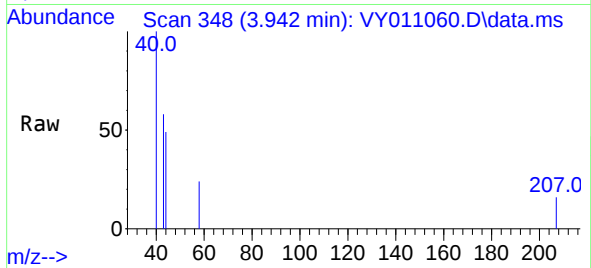




#16  
Acetone  
Concen: 2.049 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

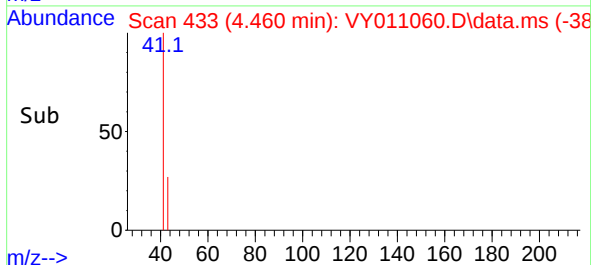
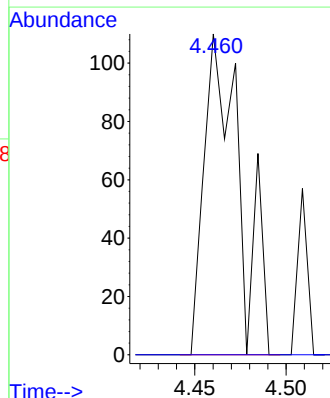
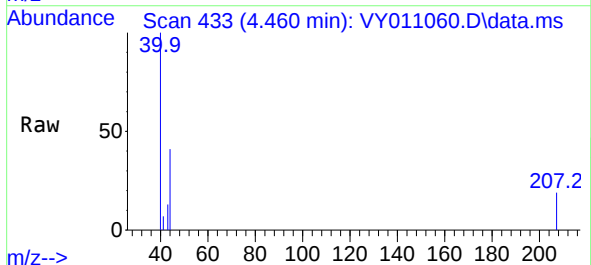
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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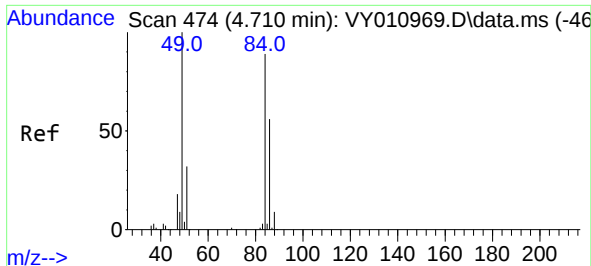
Tgt Ion: 43 Resp: 1382  
Ion Ratio Lower Upper  
43 100  
58 41.9 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.460 min Scan# 433  
Delta R.T. -0.013 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 43 Resp: 150  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

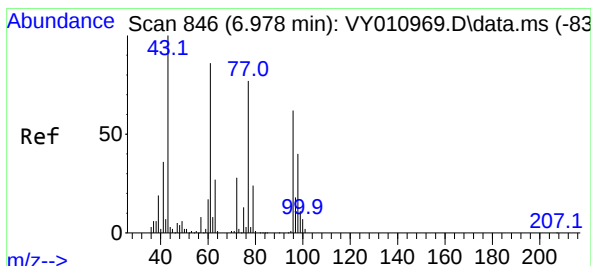
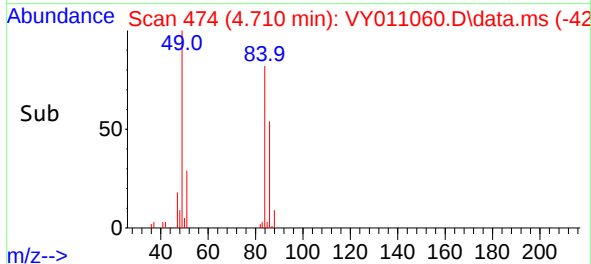
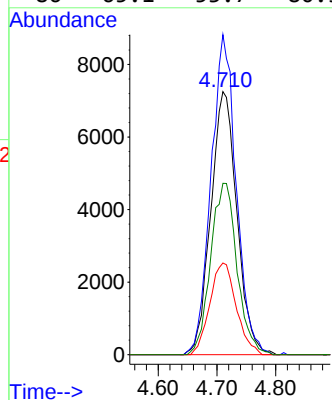
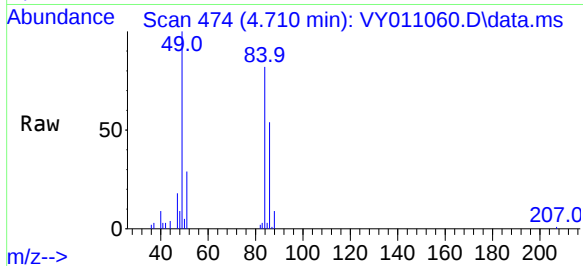




#20  
Methylene Chloride  
Concen: 1.499 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

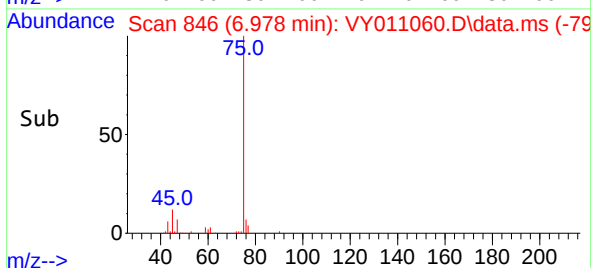
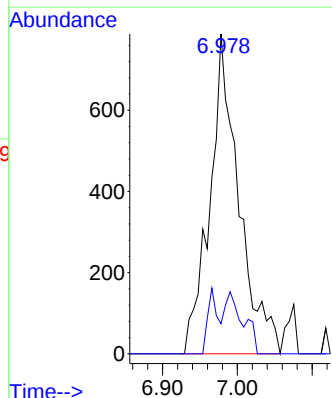
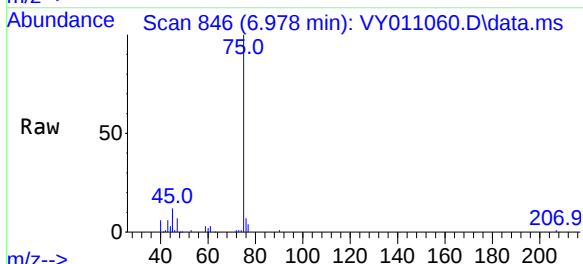
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

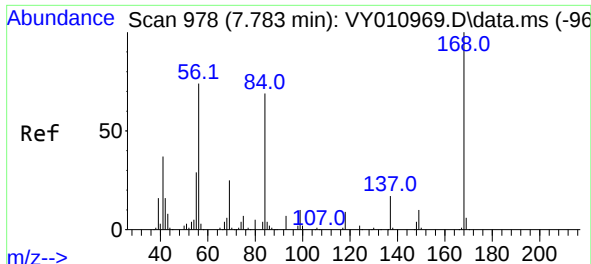
Tgt Ion: 84 Resp: 22415  
Ion Ratio Lower Upper  
84 100  
49 121.7 114.4 171.6  
51 34.9 35.3 52.9#  
86 65.1 53.7 80.5



#25  
2-Butanone  
Concen: 2.080 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 43 Resp: 2127  
Ion Ratio Lower Upper  
43 100  
72 9.4 17.7 26.5#

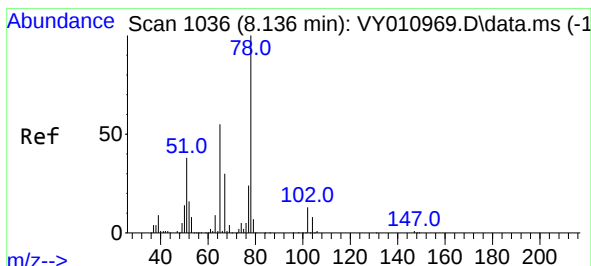
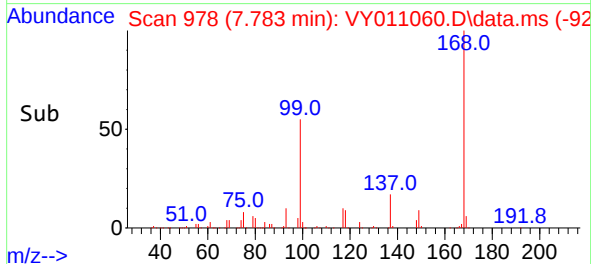
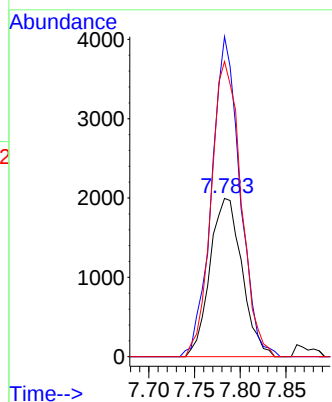
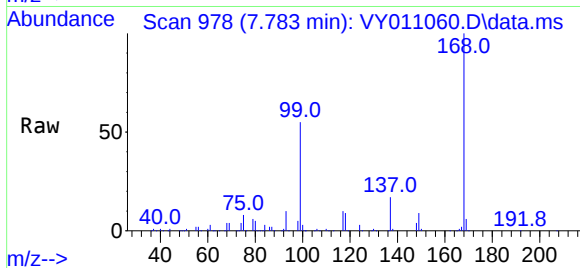




#31  
Cyclohexane  
Concen: 1.092 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

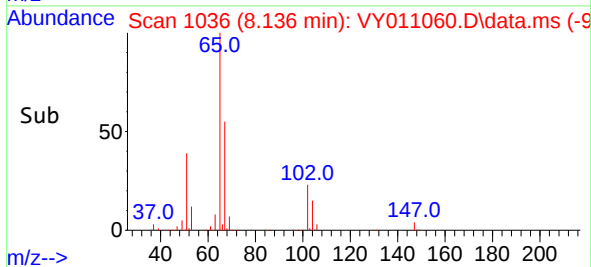
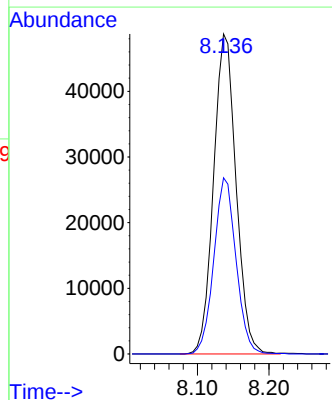
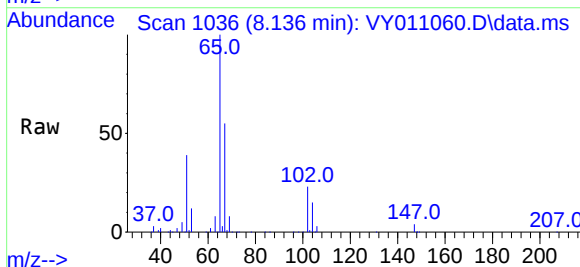
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

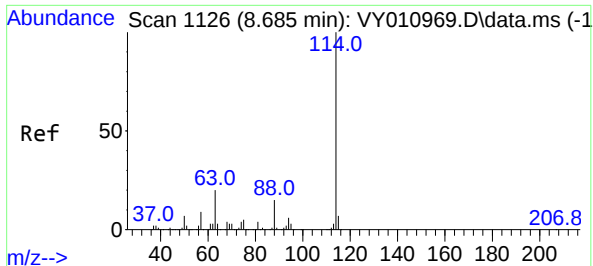
Tgt Ion: 56 Resp: 4854  
Ion Ratio Lower Upper  
56 100  
69 202.2 26.7 40.1#  
84 186.5 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 45.793 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 65 Resp: 106342  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011060.D

Acq: 24 Oct 2022 11:49

Instrument :

MSVOA\_Y

ClientSampleId :

VY1024SBL01

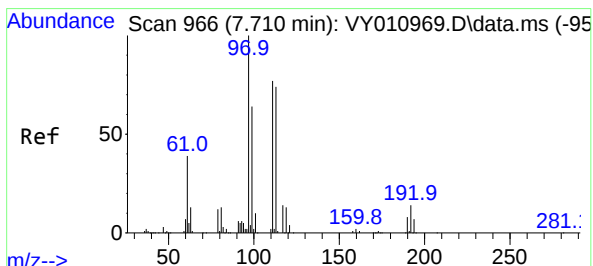
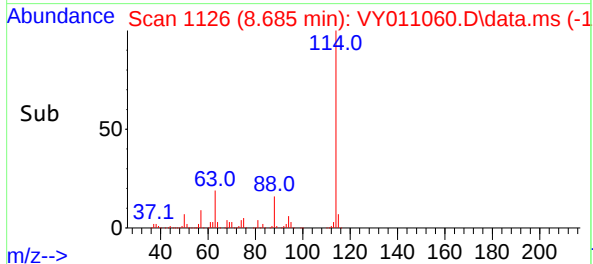
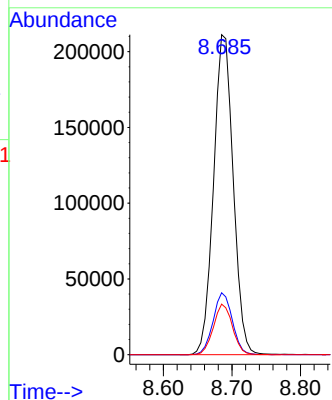
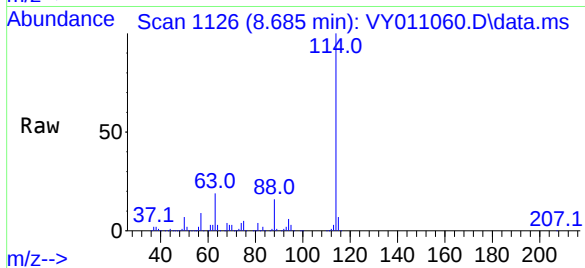
Tgt Ion:114 Resp: 420564

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.666 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011060.D

Acq: 24 Oct 2022 11:49

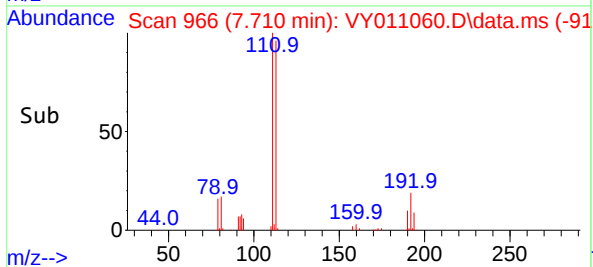
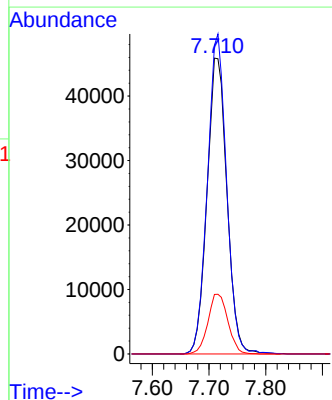
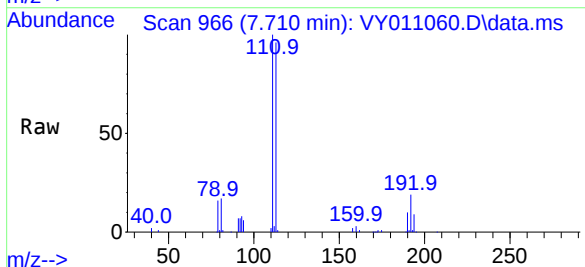
Tgt Ion:113 Resp: 111982

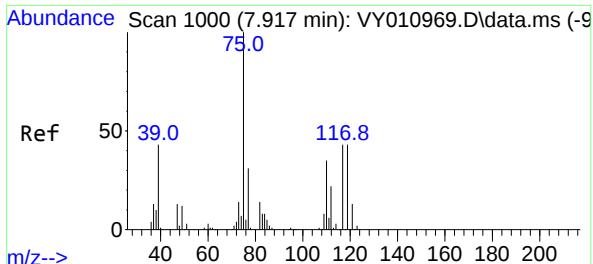
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 20.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011060.D

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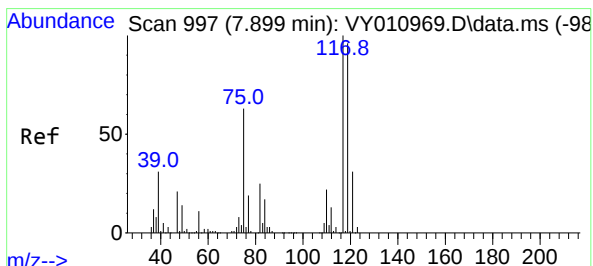
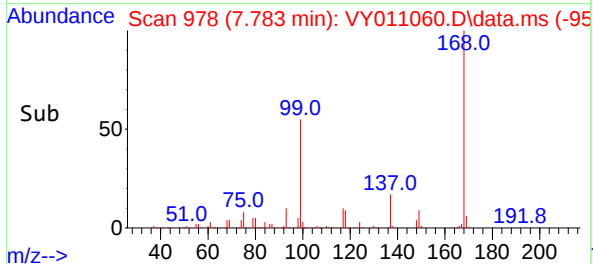
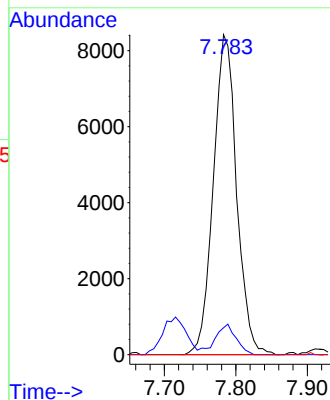
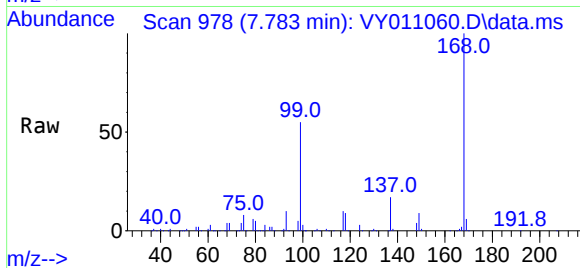
Tgt Ion: 75 Resp: 19051

Ion Ratio Lower Upper

75 100

110 7.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011060.D

Acq: 24 Oct 2022 11:49

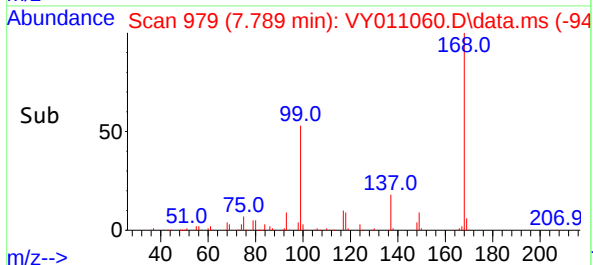
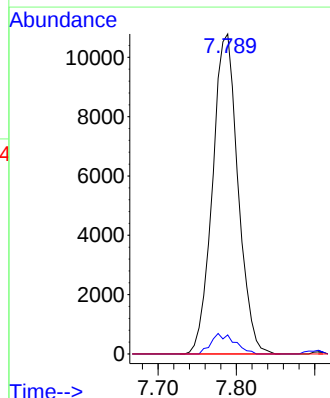
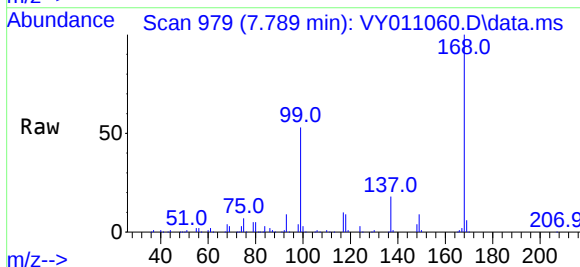
Tgt Ion: 117 Resp: 24415

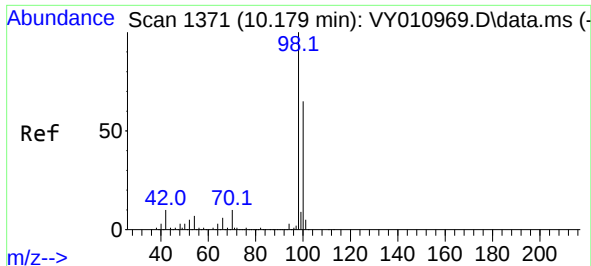
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

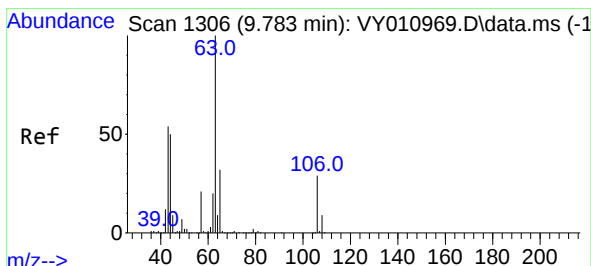
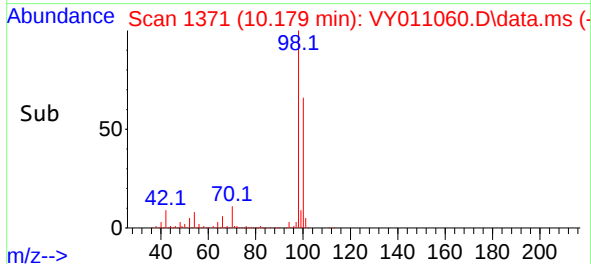
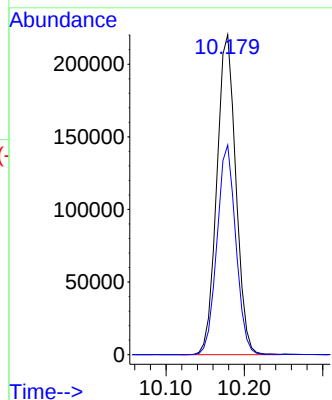
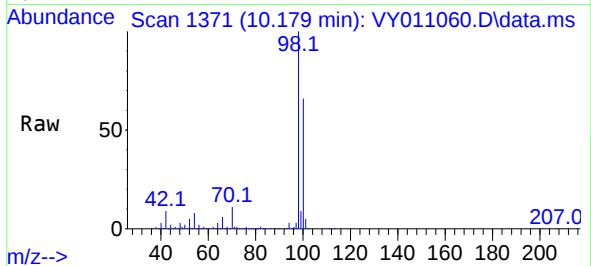




#50  
Toluene-d8  
Concen: 42.439 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

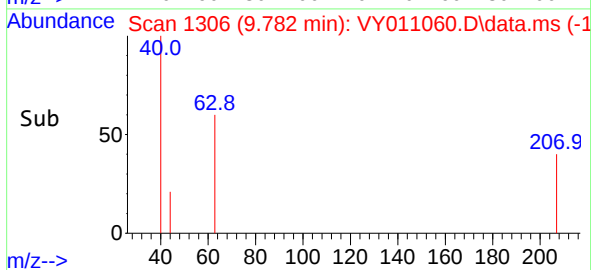
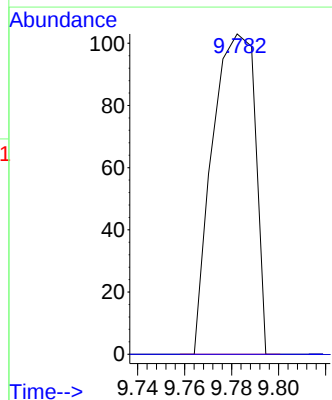
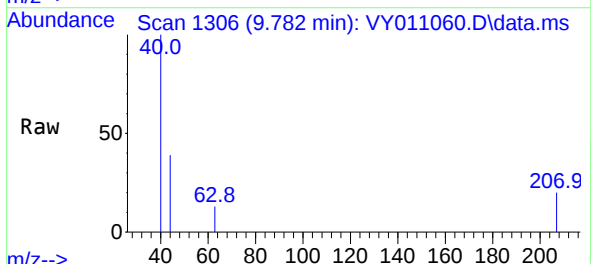
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

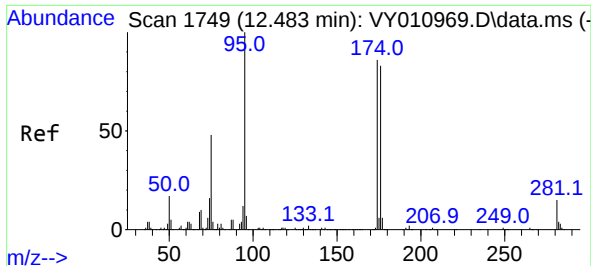
Tgt Ion: 98 Resp: 372670  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2



#58  
2-Chloroethyl Vinyl ether  
Concen: 17.039 ug/l  
RT: 9.782 min Scan# 1306  
Delta R.T. -0.001 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 63 Resp: 130  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.5 32.3

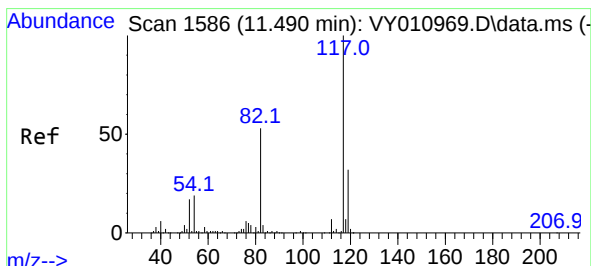
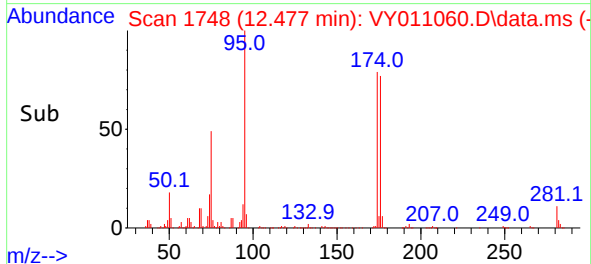
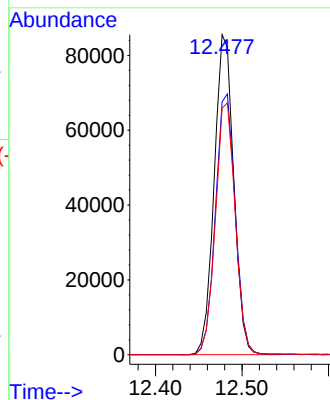
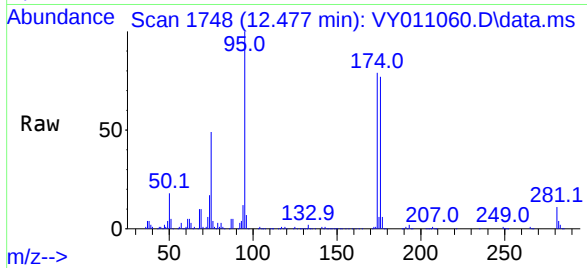




#62  
4-Bromofluorobenzene  
Concen: 42.653 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

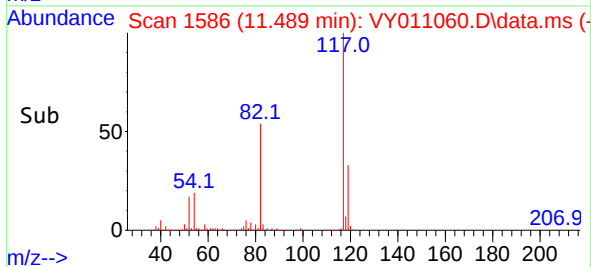
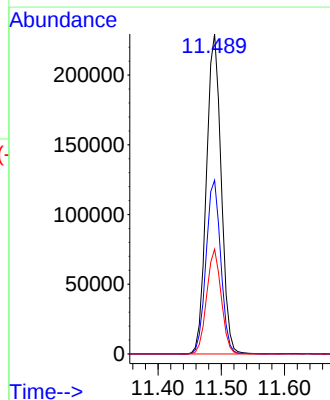
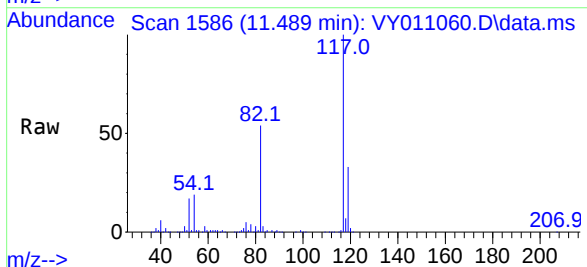
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

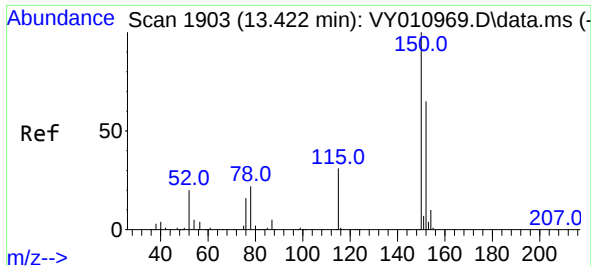
Tgt Ion: 95 Resp: 134082  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 177.0  
176 79.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 117 Resp: 372894  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.0 64.4  
119 32.7 25.4 38.0

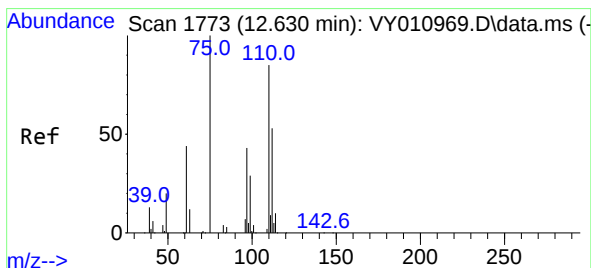
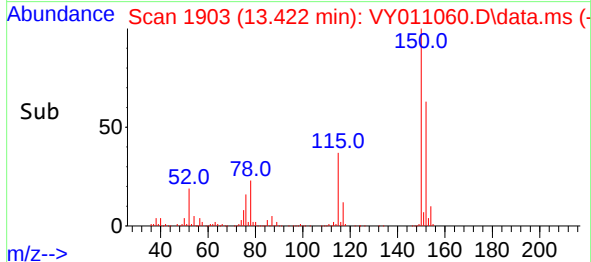
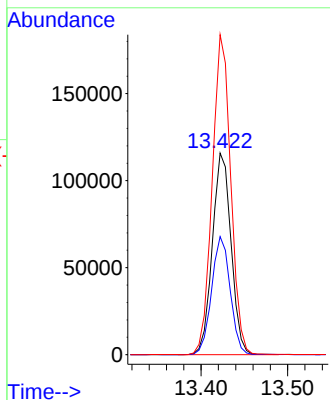
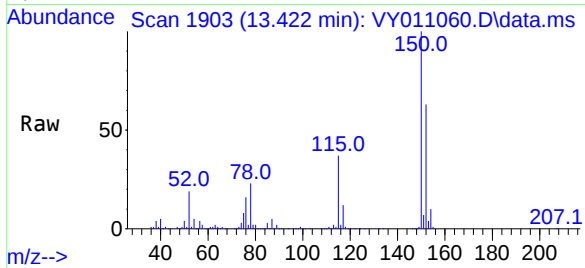




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

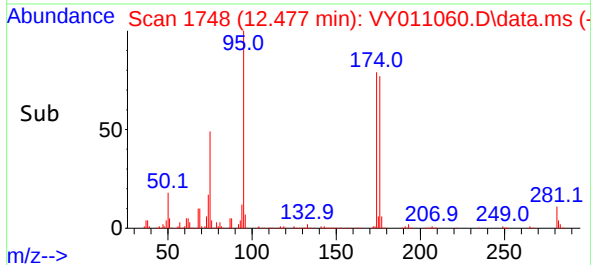
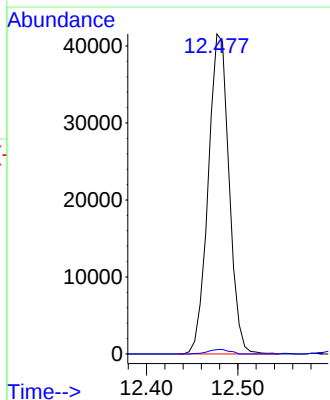
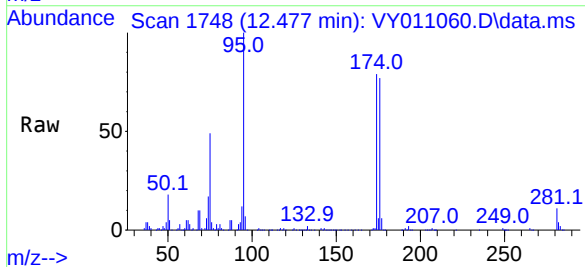
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1024SBL01

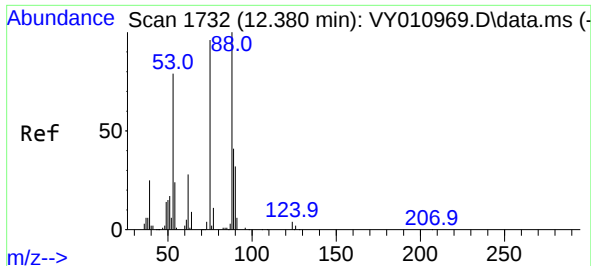
Tgt Ion:152 Resp: 174177  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.2 84.7  
150 156.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 33.236 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY011060.D  
Acq: 24 Oct 2022 11:49

Tgt Ion: 75 Resp: 65723  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.481 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY011060.D  
 Acq: 24 Oct 2022 11:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1024SBL01

Tgt Ion: 75 Resp: 65723  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.3 37.0 55.4#

