

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013023\  
 Data File : VY012397.D  
 Acq On : 30 Jan 2023 15:01  
 Operator : KP/MD  
 Sample : 01358-01  
 Misc : 4.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JPP-11-012723

Quant Time: Jan 31 01:48:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

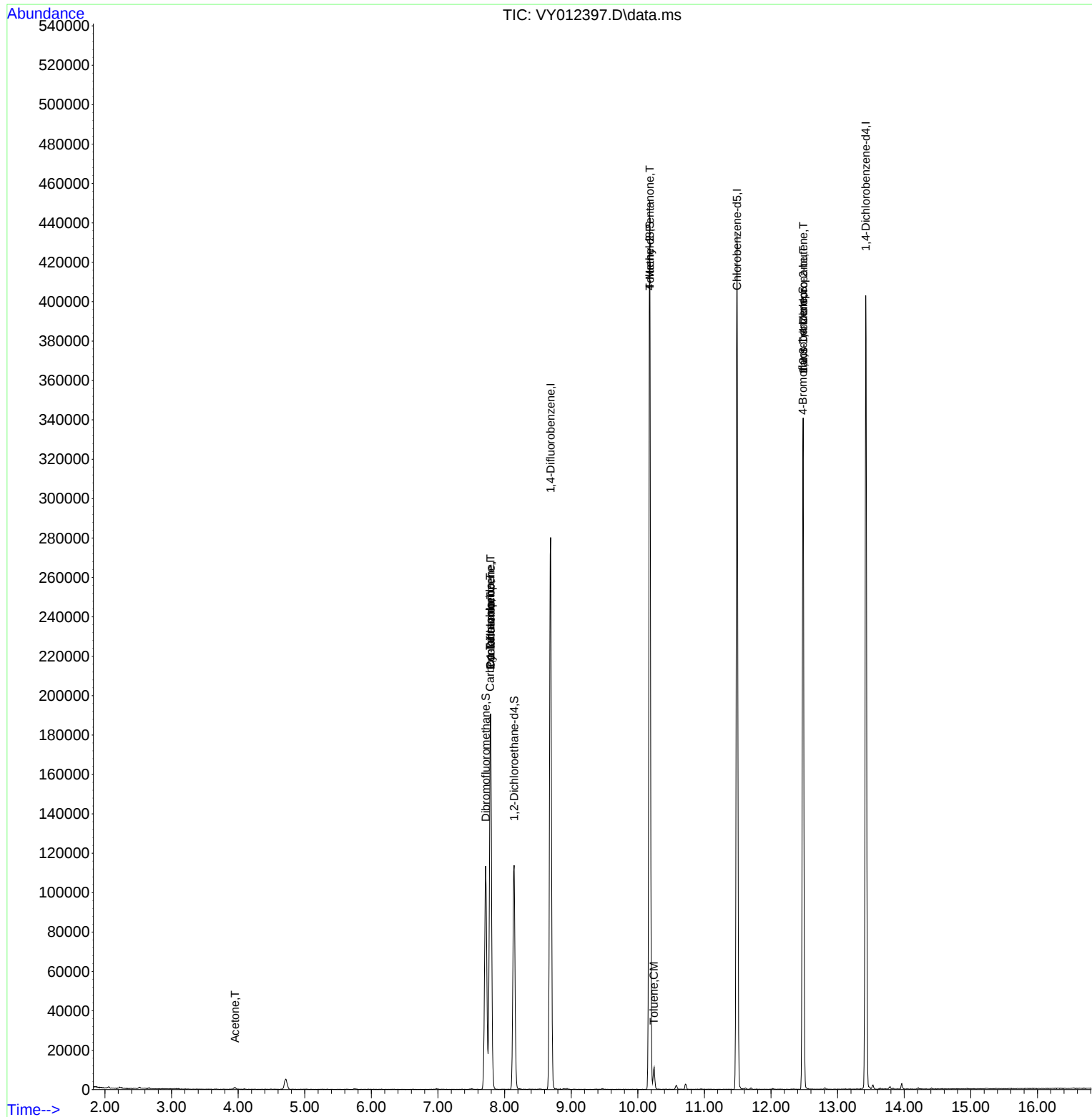
| Compound                      | R.T.           | QIon | Response            | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|-------|----------|
| -----                         |                |      |                     |           |       |          |
| Internal Standards            |                |      |                     |           |       |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 150520              | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 250055              | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 242972              | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 109842              | 50.000    | ug/l  | 0.00     |
|                               |                |      |                     |           |       |          |
| System Monitoring Compounds   |                |      |                     |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 97838               | 80.844    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 161.680% |           |       |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 75075               | 56.701    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 113.400% |           |       |          |
| 50) Toluene-d8                | 10.179         | 98   | 298716              | 66.548    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 133.100% |           |       |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 97472               | 52.222    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 104.440% |           |       |          |
|                               |                |      |                     |           |       |          |
| Target Compounds              |                |      |                     |           |       |          |
| 11) Tert butyl alcohol        | 4.954          | 59   | 45                  | Below Cal | #     | 74       |
| 16) Acetone                   | 3.954          | 43   | 1536                | 3.665     | ug/l  | 91       |
| 20) Methylene Chloride        | 4.710          | 84   | 4688                | Below Cal | #     | 85       |
| 31) Cyclohexane               | 7.789          | 56   | 2606                | 1.187     | ug/l  | # 9      |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 9785                | 4.348     | ug/l  | # 52     |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 15397               | 5.298     | ug/l  | # 17     |
| 51) 4-Methyl-2-Pentanone      | 10.179         | 43   | 1054                | 1.071     | ug/l  | # 1      |
| 52) Toluene                   | 10.240         | 92   | 4623                | 1.069     | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 52148               | 51.630    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 52148               | 106.380   | ug/l  | # 13     |
| -----                         |                |      |                     |           |       |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013023\  
Data File : VY012397.D  
Acq On : 30 Jan 2023 15:01  
Operator : KP/MD  
Sample : 01358-01  
Misc : 4.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

Quant Time: Jan 31 01:48:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

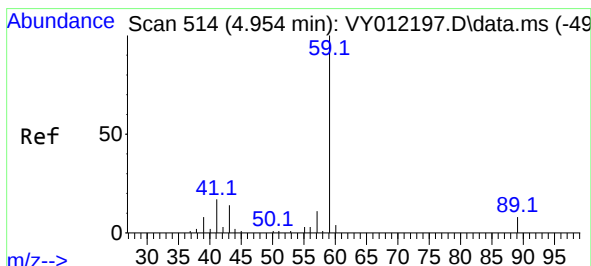
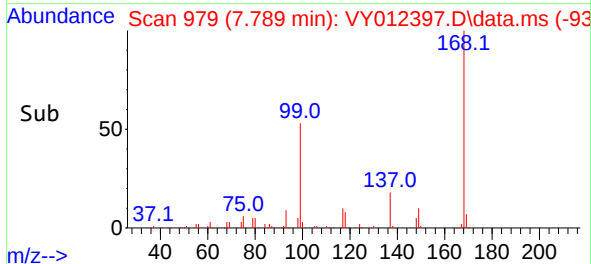
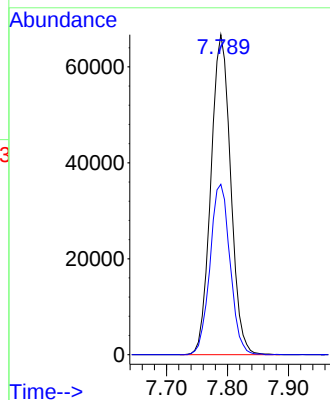
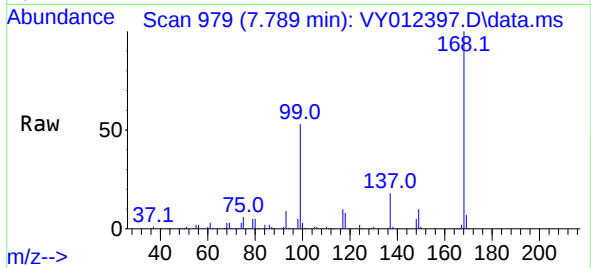




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

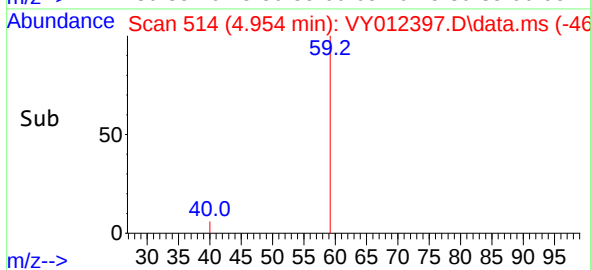
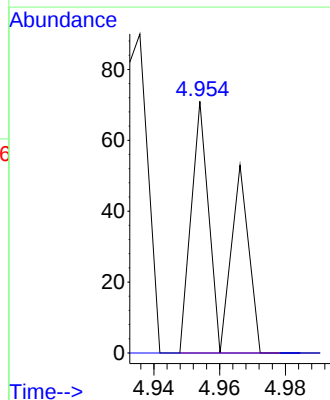
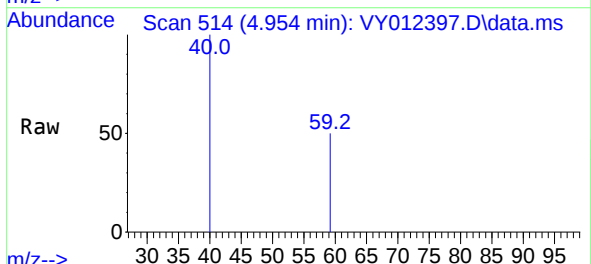
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

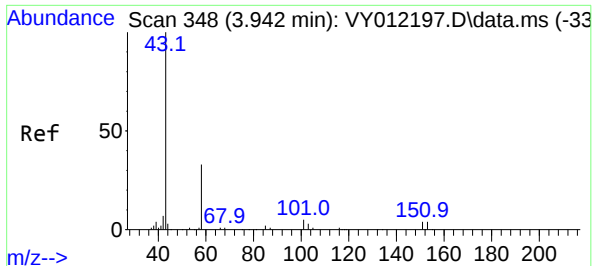
Tgt Ion:168 Resp: 150520  
Ion Ratio Lower Upper  
168 100  
99 53.3 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 59 Resp: 45  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

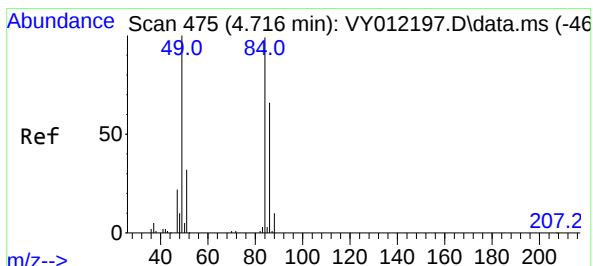
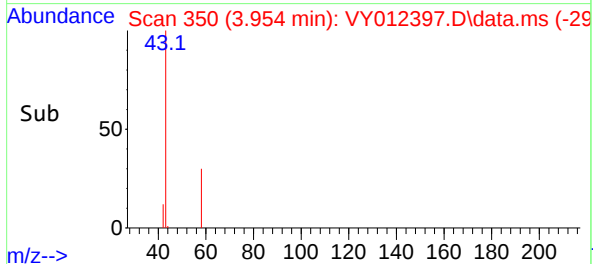
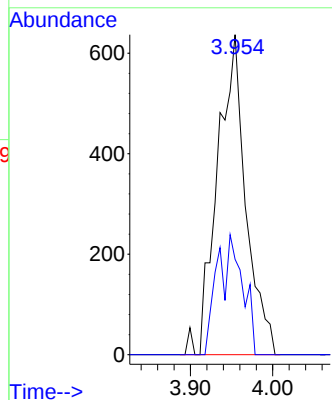
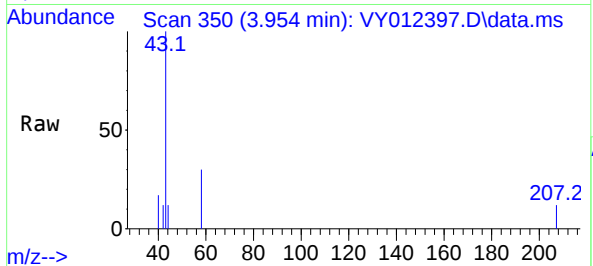




#16  
Acetone  
Concen: 3.665 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

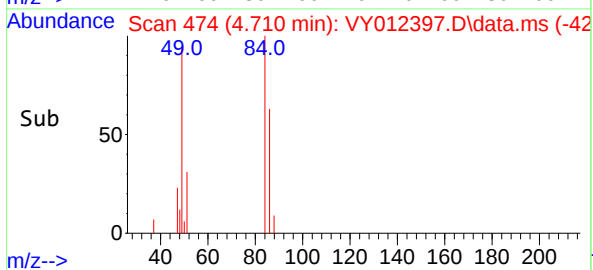
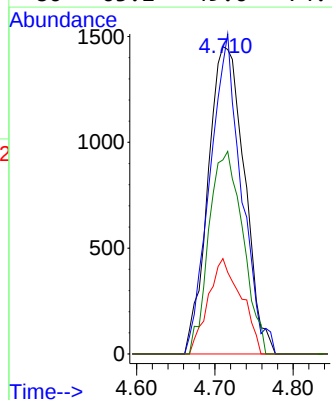
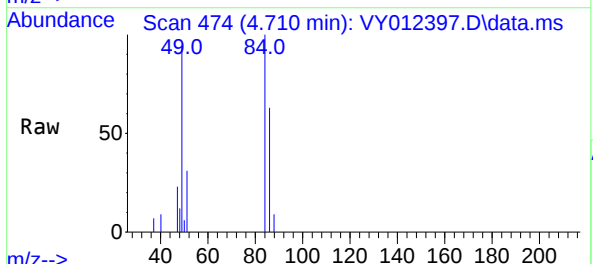
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

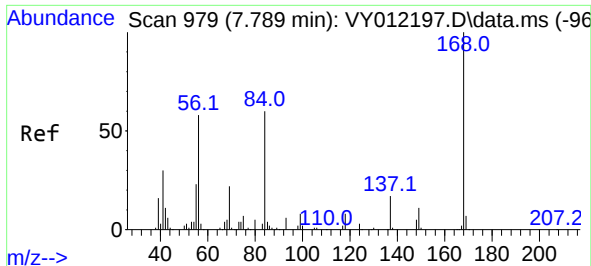
Tgt Ion: 43 Resp: 1536  
Ion Ratio Lower Upper  
43 100  
58 29.8 27.9 41.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

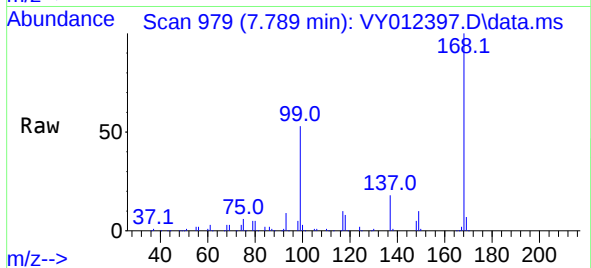
Tgt Ion: 84 Resp: 4688  
Ion Ratio Lower Upper  
84 100  
49 94.3 95.4 143.2#  
51 31.1 29.9 44.9  
86 63.2 49.6 74.4



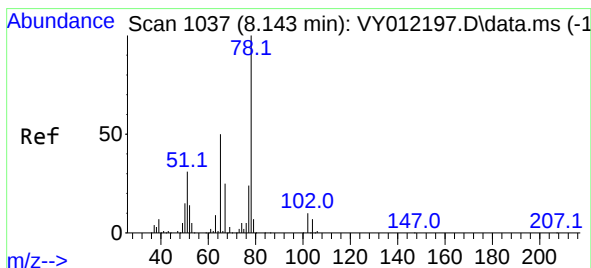
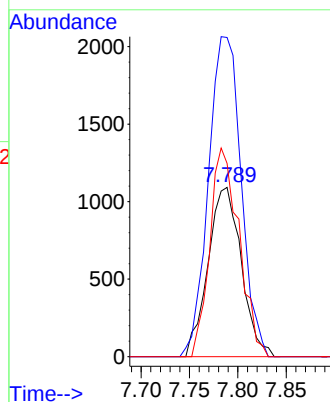
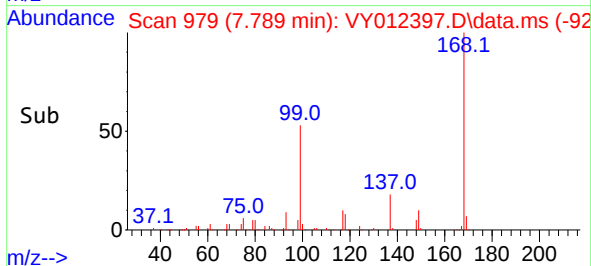


#31  
Cyclohexane  
Concen: 1.187 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

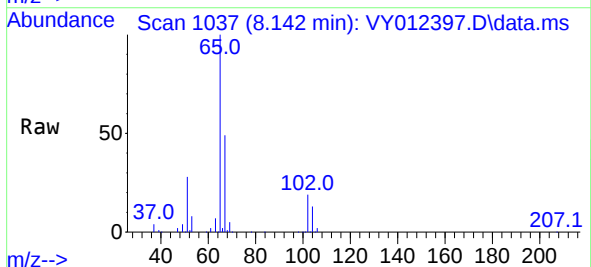
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723



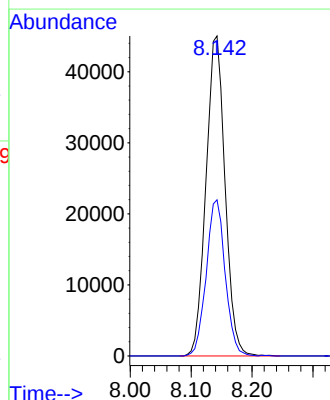
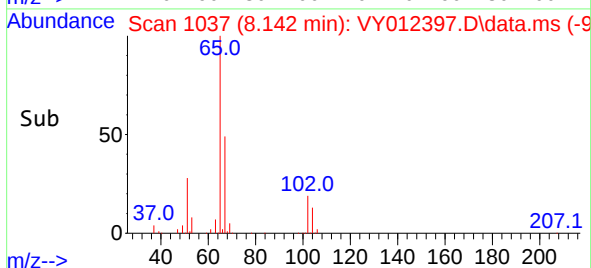
Tgt Ion: 56 Resp: 2606  
Ion Ratio Lower Upper  
56 100  
69 188.6 29.2 43.8#  
84 114.2 72.6 108.8#

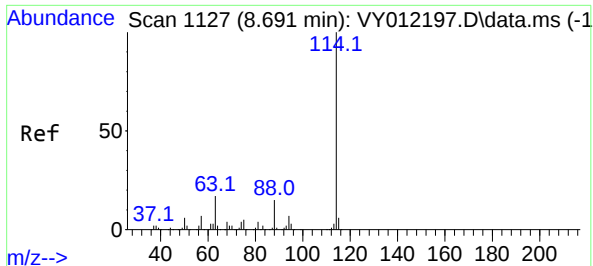


#33  
1,2-Dichloroethane-d4  
Concen: 80.844 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01



Tgt Ion: 65 Resp: 97838  
Ion Ratio Lower Upper  
65 100  
67 48.4 0.0 103.2



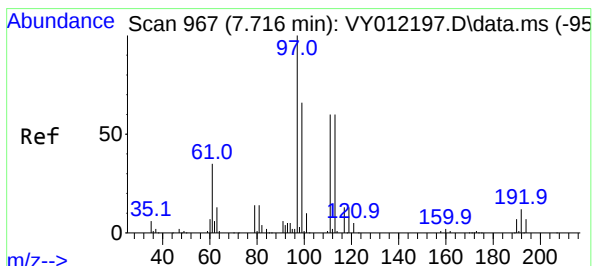
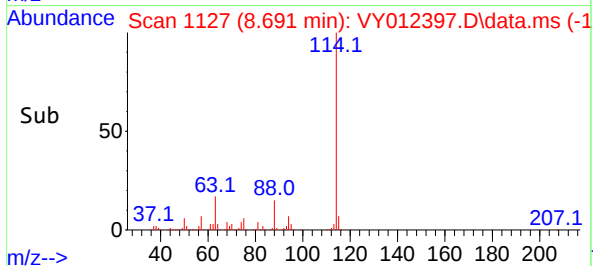
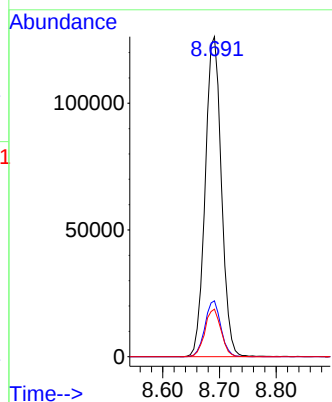
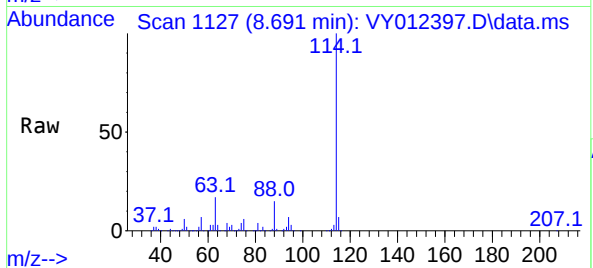


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

Tgt Ion:114 Resp: 250055

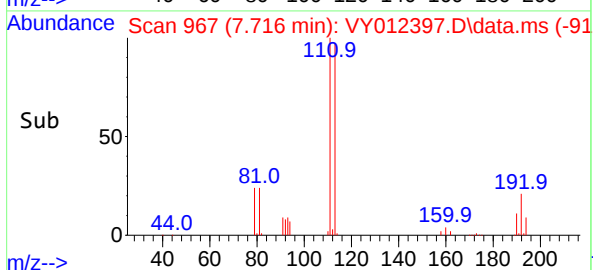
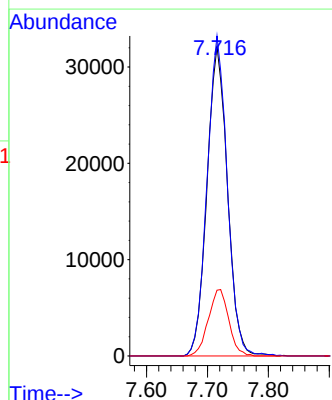
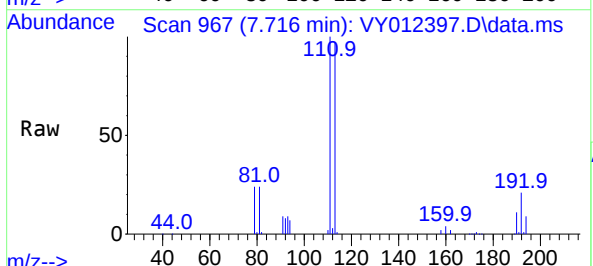
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.5  | 0.0   | 39.6  |
| 88  | 14.8  | 0.0   | 32.2  |

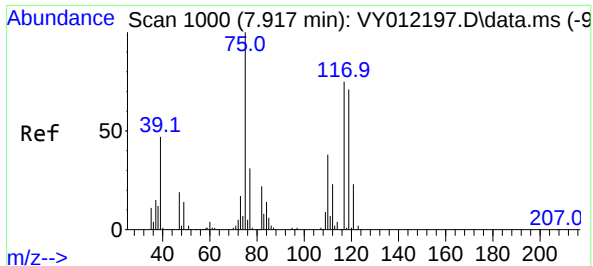


#35  
Dibromofluoromethane  
Concen: 56.701 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion:113 Resp: 75075

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.0 | 83.0  | 124.4 |
| 192 | 21.4  | 16.0  | 24.0  |





#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012397.D

Acq: 30 Jan 2023 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

JPP-11-012723

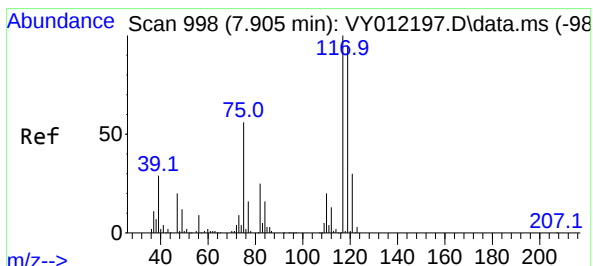
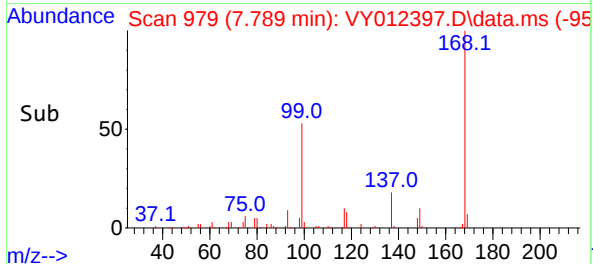
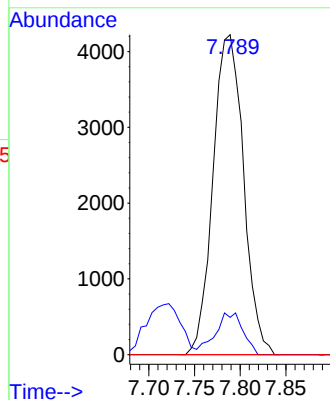
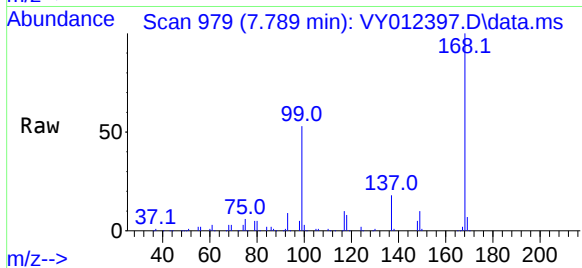
Tgt Ion: 75 Resp: 9785

Ion Ratio Lower Upper

75 100

110 11.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.298 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012397.D

Acq: 30 Jan 2023 15:01

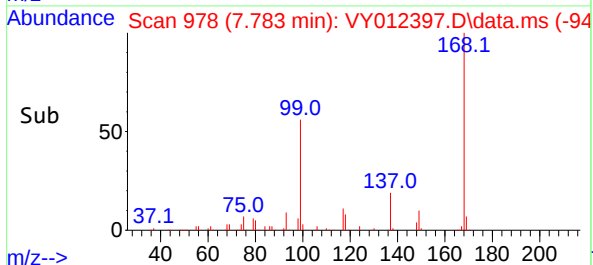
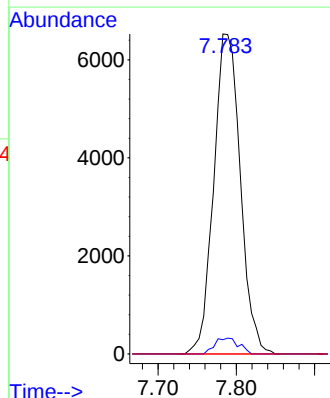
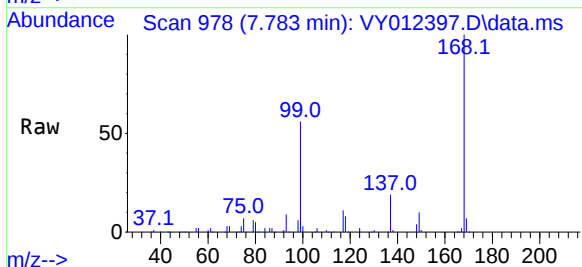
Tgt Ion: 117 Resp: 15397

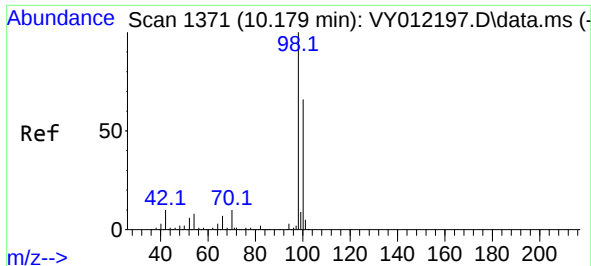
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 0.0 25.2 37.8#

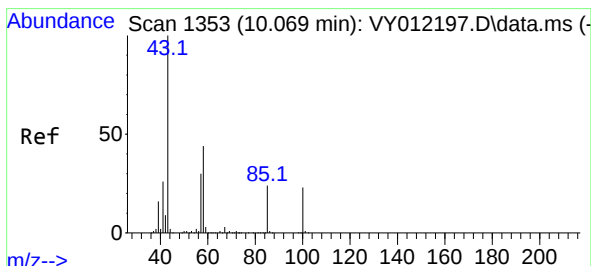
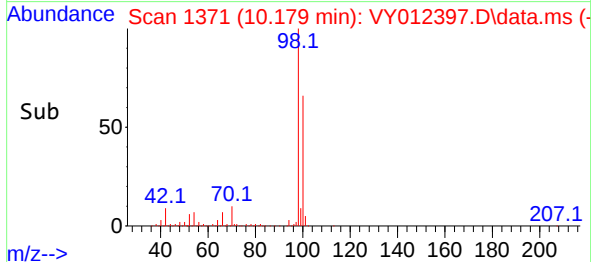
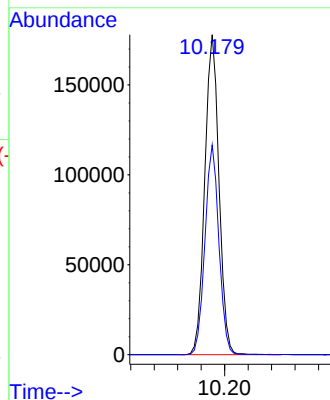
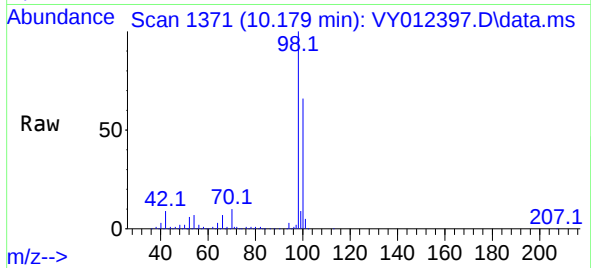




#50  
Toluene-d8  
Concen: 66.548 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

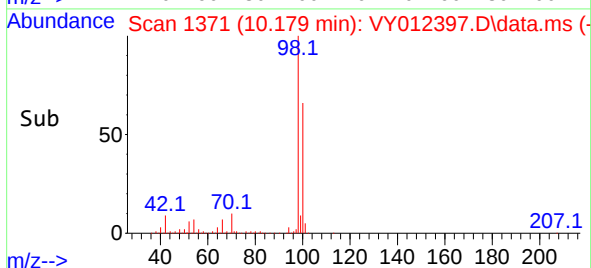
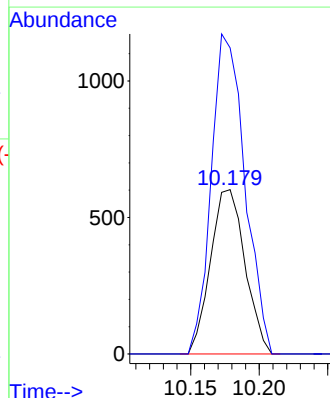
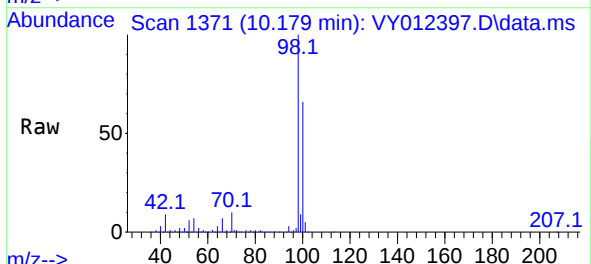
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

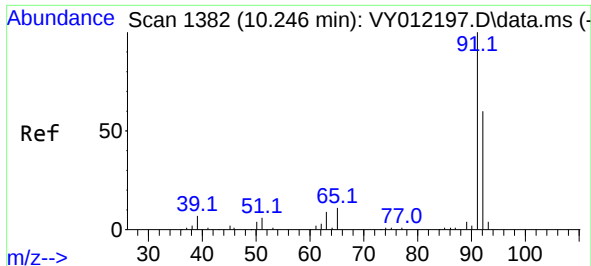
Tgt Ion: 98 Resp: 298716  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 1.071 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.110 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 43 Resp: 1054  
Ion Ratio Lower Upper  
43 100  
58 189.4 32.9 49.3#

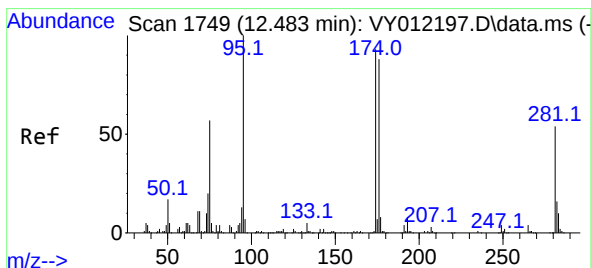
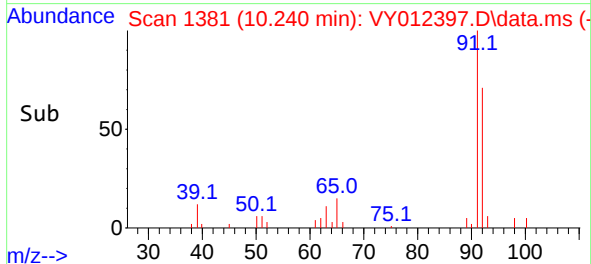
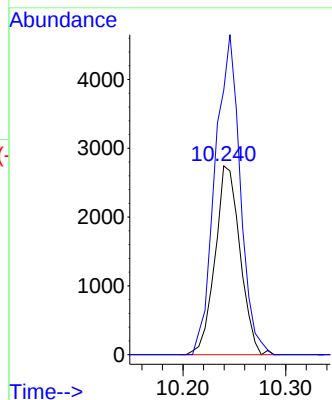
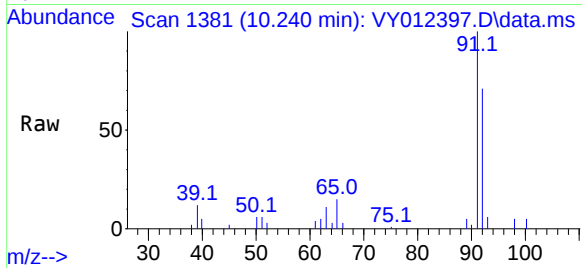




#52  
Toluene  
Concen: 1.069 ug/l  
RT: 10.240 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

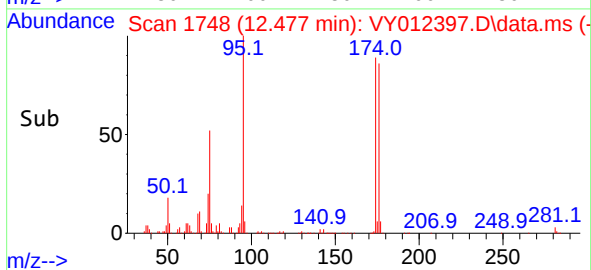
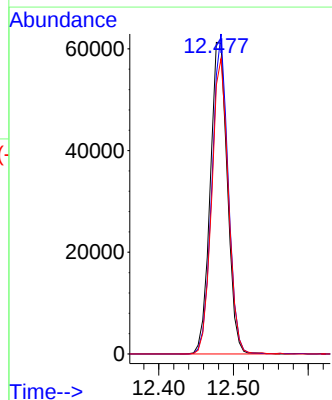
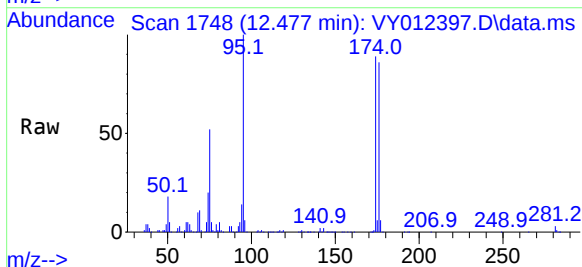
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

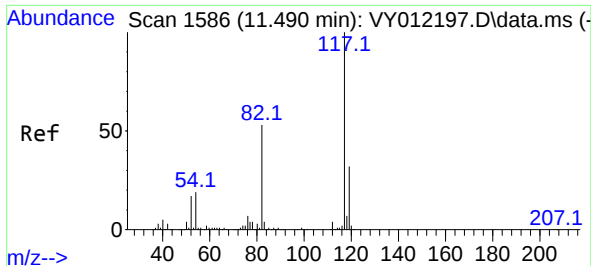
Tgt Ion: 92 Resp: 4623  
Ion Ratio Lower Upper  
92 100  
91 170.8 137.4 206.0



#62  
4-Bromofluorobenzene  
Concen: 52.222 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 95 Resp: 97472  
Ion Ratio Lower Upper  
95 100  
174 96.6 0.0 172.0  
176 91.9 0.0 167.6

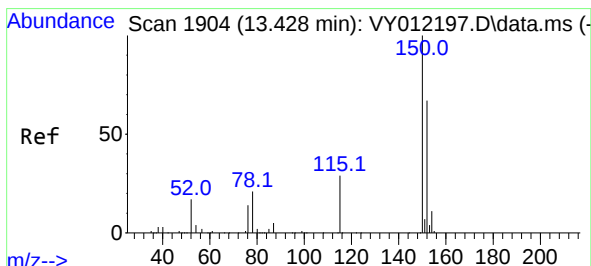
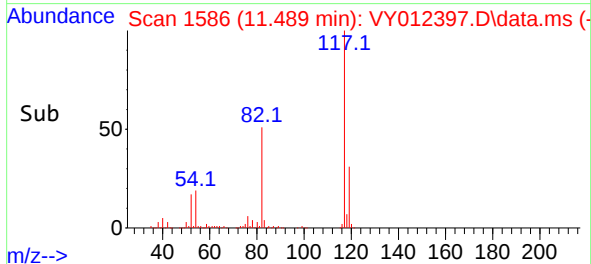
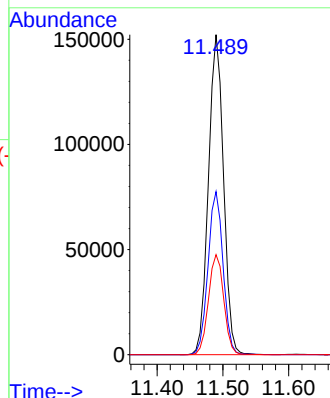
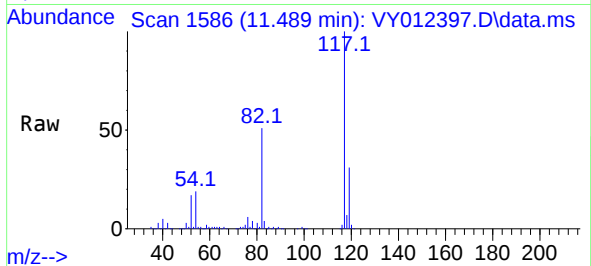




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

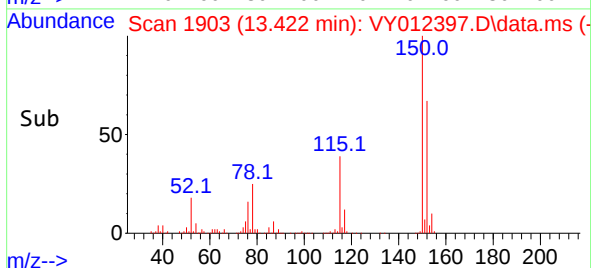
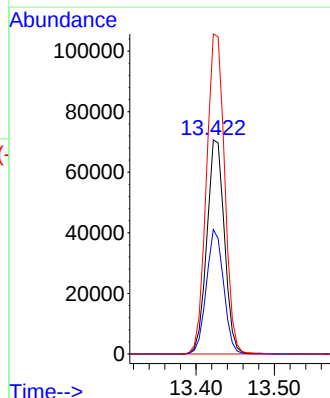
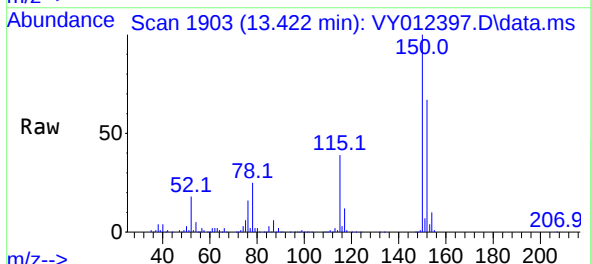
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

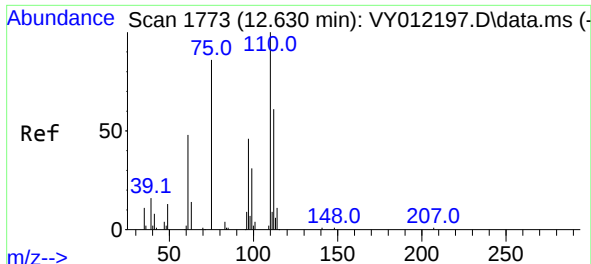
Tgt Ion:117 Resp: 242972  
Ion Ratio Lower Upper  
117 100  
82 50.9 44.8 67.2  
119 31.2 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion:152 Resp: 109842  
Ion Ratio Lower Upper  
152 100  
115 57.1 29.1 87.3  
150 154.8 0.0 342.6

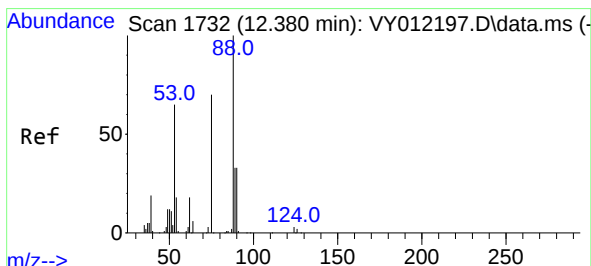
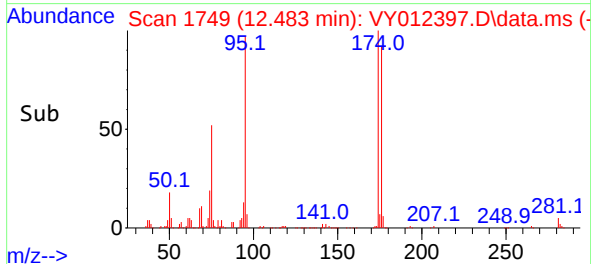
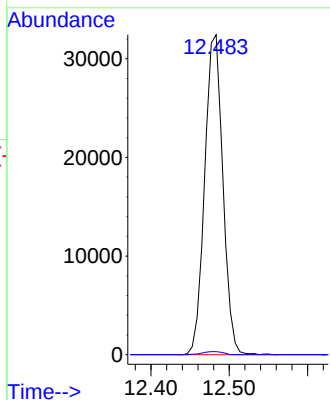
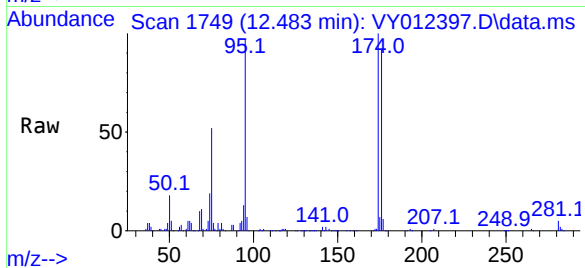




#76  
1,2,3-Trichloropropane  
Concen: 51.630 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

Tgt Ion: 75 Resp: 52148  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.380 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 75 Resp: 52148  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

