

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
 Data File : VY009590.D  
 Acq On : 19 Jul 2022 15:28  
 Operator : KP/MD  
 Sample : N3651-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SED-1-(6-12)

Quant Time: Jul 20 02:44:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

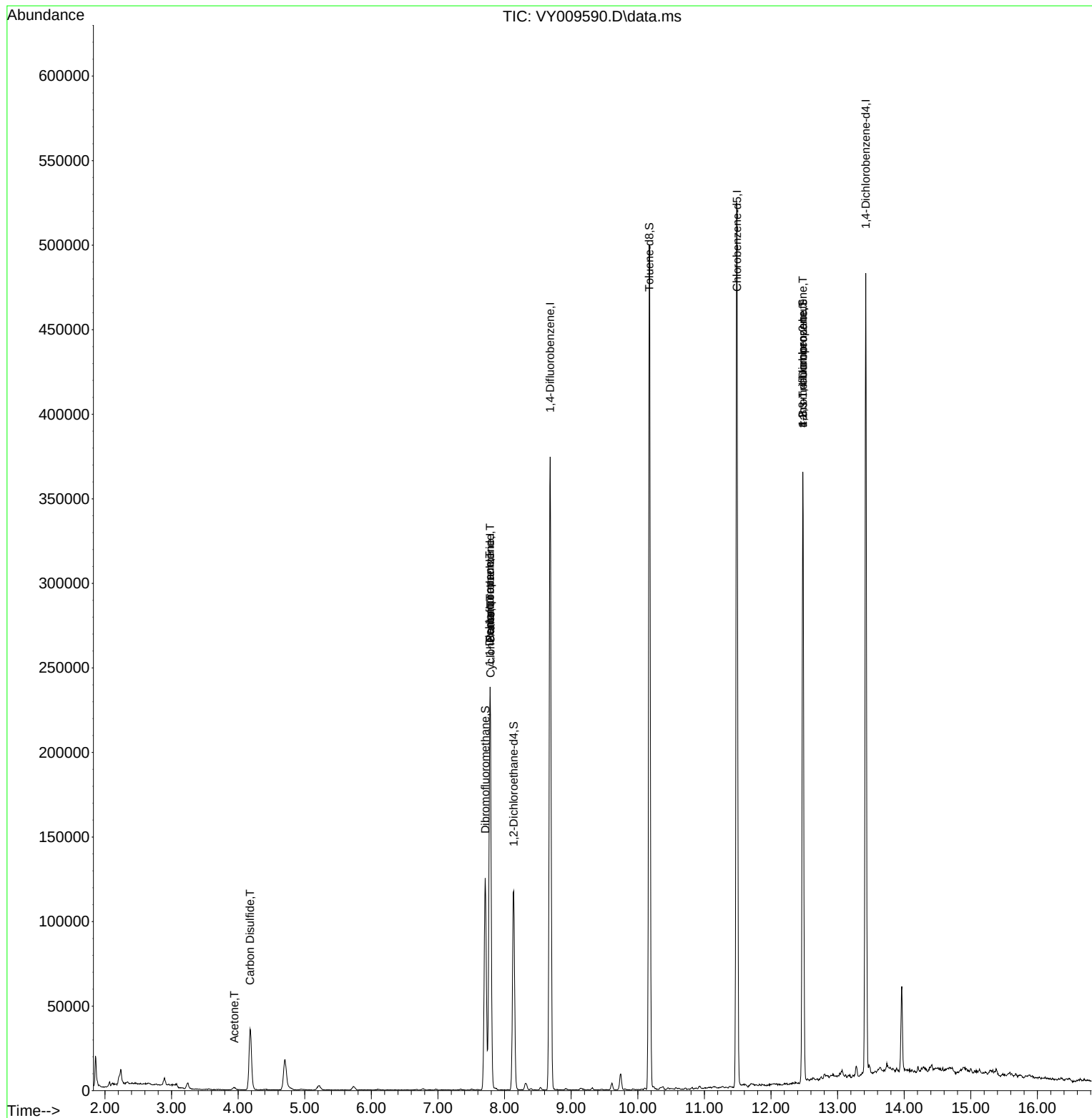
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 195418     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 332568     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 307033     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 123440     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137          | 65   | 92010      | 49.784    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 99.560%   |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 87012      | 41.530    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 83.060%   |        |          |
| 50) Toluene-d8                | 10.173         | 98   | 330727     | 41.061    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 125 |      | Recovery = | 82.120%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 100438     | 38.484    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 146 |      | Recovery = | 76.960%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 4.936          | 59   | 403        | Below Cal | #      | 77       |
| 16) Acetone                   | 3.942          | 43   | 2639       | 5.645     | ug/l   | 91       |
| 17) Carbon Disulfide          | 4.180          | 76   | 73268      | 13.115    | ug/l   | 99       |
| 20) Methylene Chloride        | 4.698          | 84   | 12949      | Below Cal |        | 85       |
| 31) Cyclohexane               | 7.789          | 56   | 4258       | 1.307     | ug/l # | 16       |
| 36) 1,1-Dichloropropene       | 7.777          | 75   | 13649      | 4.408     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 17539      | 5.412     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 50653      | 43.076    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 50653      | 84.937    | ug/l # | 8        |
| -----                         |                |      |            |           |        |          |

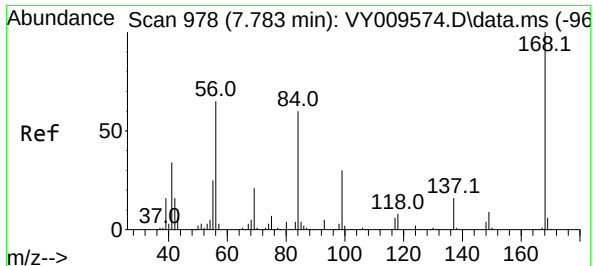
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-1-(6-12)

Quant Time: Jul 20 02:44:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 19 04:22:09 2022  
Response via : Initial Calibration

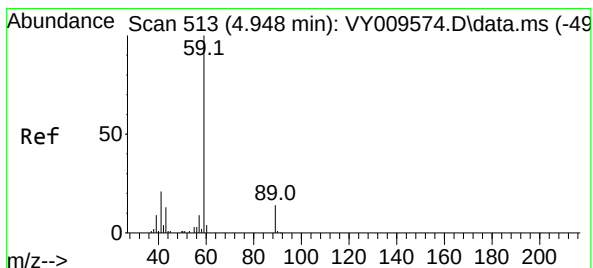
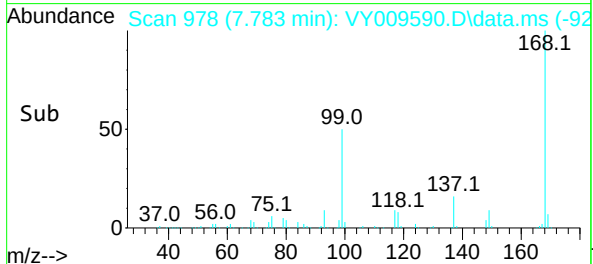
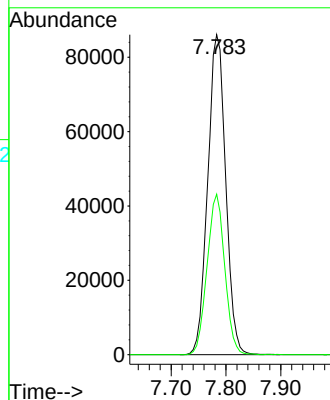
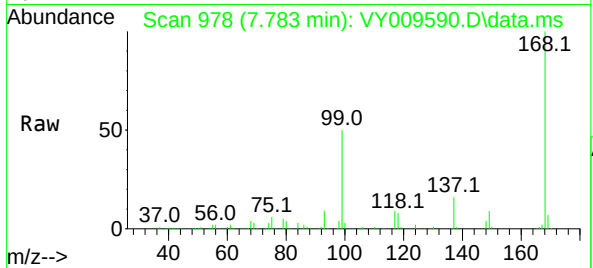




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

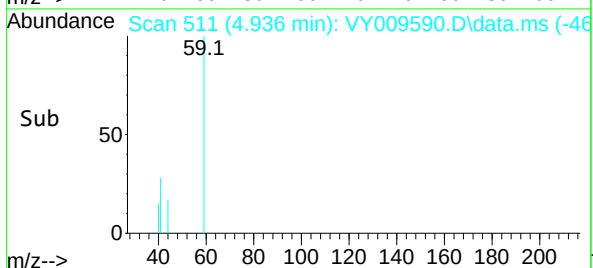
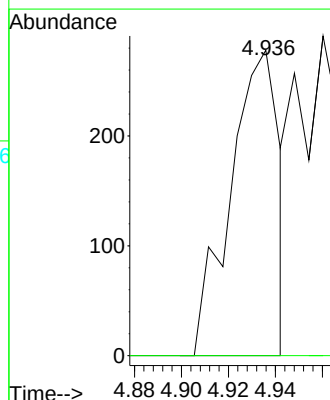
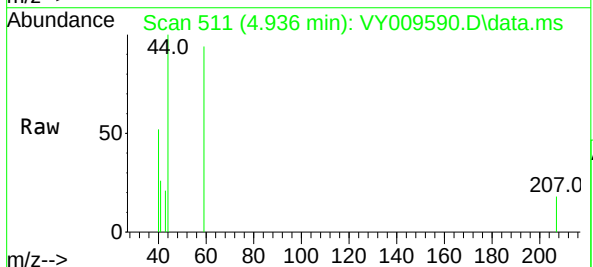
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-1-(6-12)

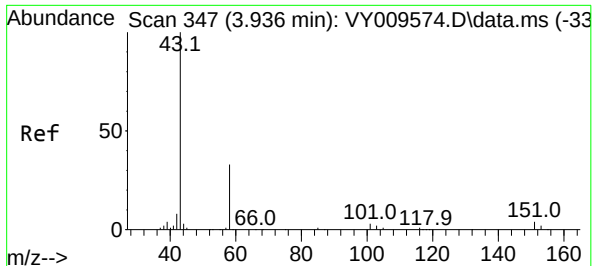
Tgt Ion:168 Resp: 195418  
Ion Ratio Lower Upper  
168 100  
99 50.2 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

Tgt Ion: 59 Resp: 403  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

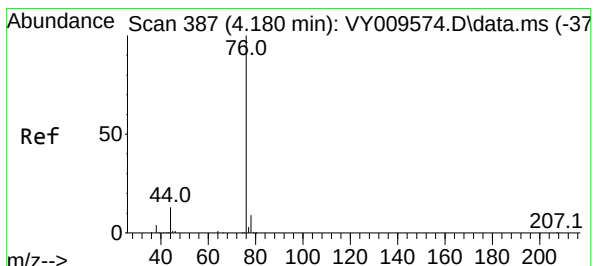
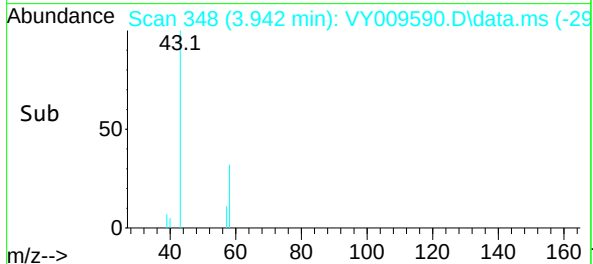
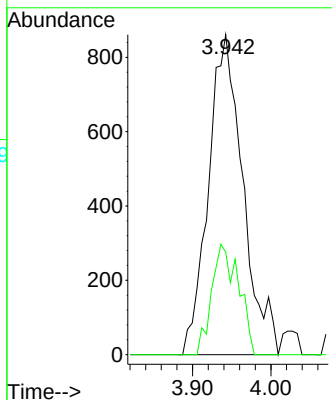
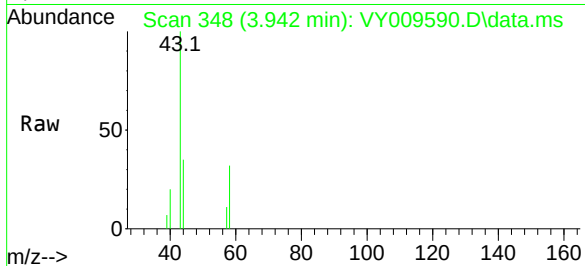




#16  
Acetone  
Concen: 5.645 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

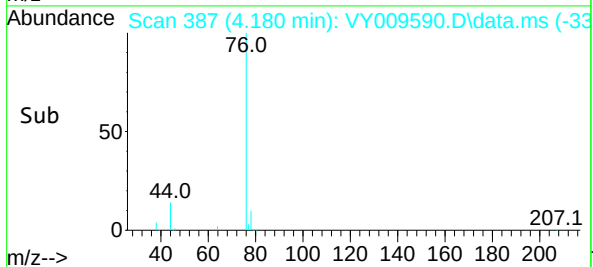
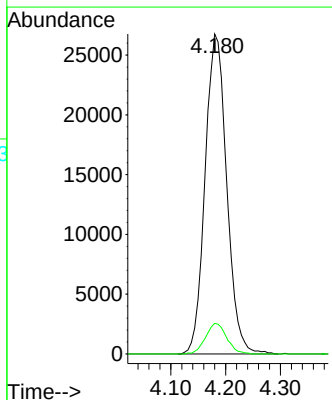
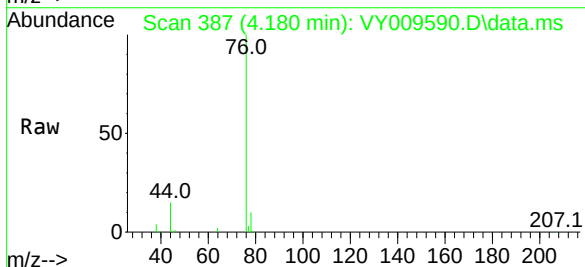
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-1-(6-12)

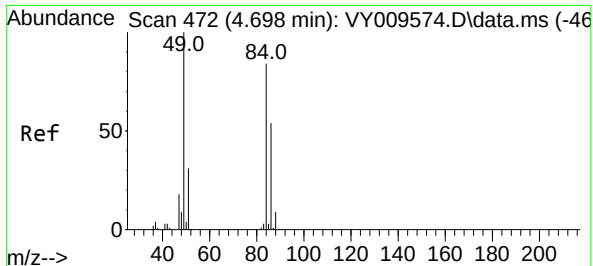
Tgt Ion: 43 Resp: 2639  
Ion Ratio Lower Upper  
43 100  
58 32.1 22.0 33.0



#17  
Carbon Disulfide  
Concen: 13.115 ug/l  
RT: 4.180 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

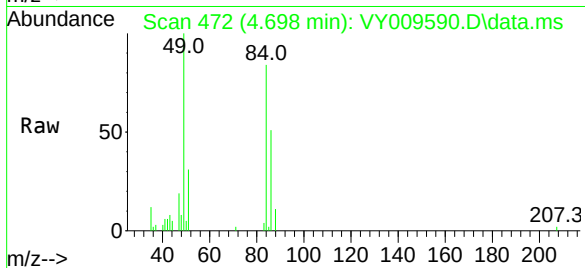
Tgt Ion: 76 Resp: 73268  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.0



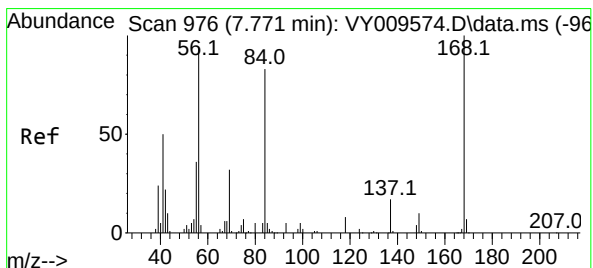
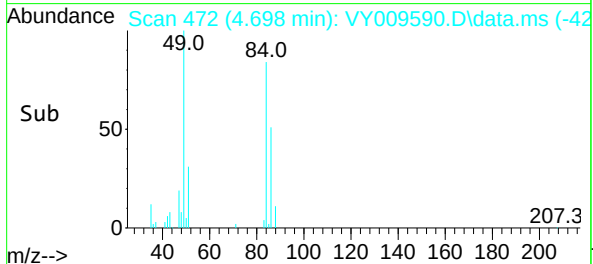
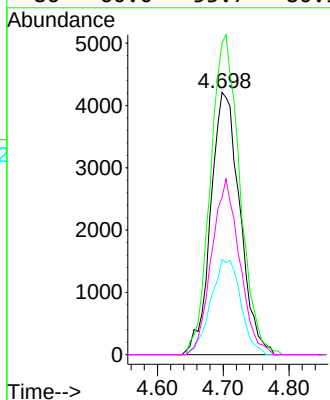


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-1-(6-12)

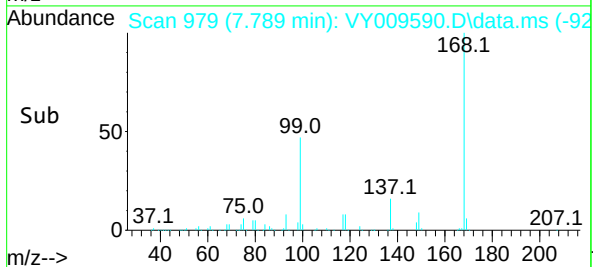
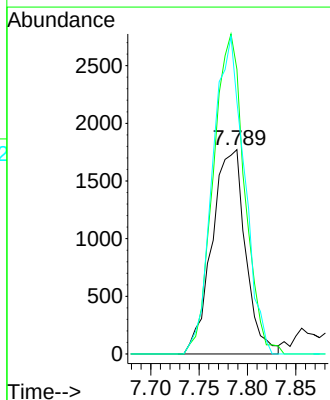
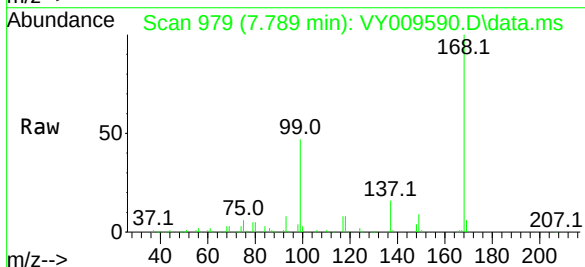


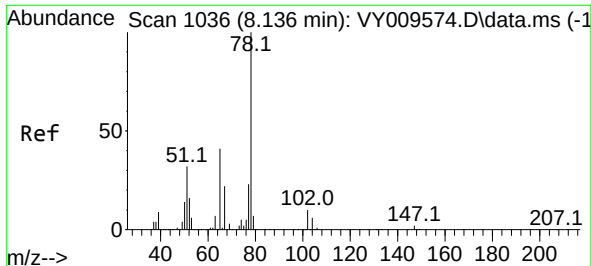
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12949 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.8 | 114.4 | 171.6 |
| 51       | 36.3  | 35.3  | 52.9  |
| 86       | 60.0  | 53.7  | 80.5  |



#31  
Cyclohexane  
Concen: 1.307 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.018 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4258   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 139.3 | 26.7  | 40.1#  |
| 84       | 123.5 | 67.2  | 100.8# |





#33

1,2-Dichloroethane-d4

Concen: 49.784 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009590.D

Acq: 19 Jul 2022 15:28

Instrument :

MSVOA\_Y

ClientSampleId :

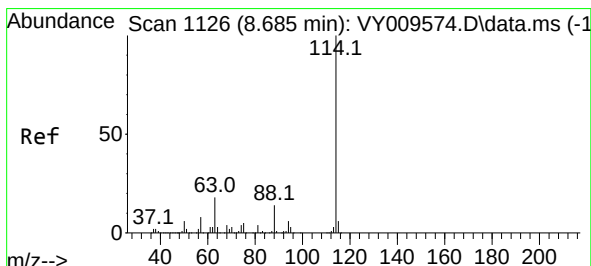
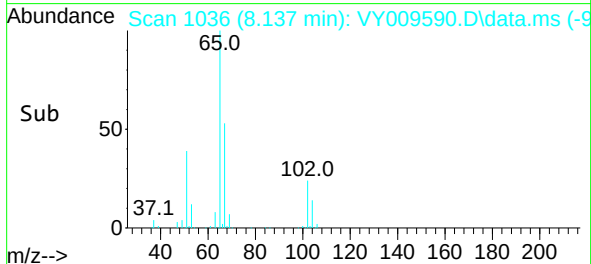
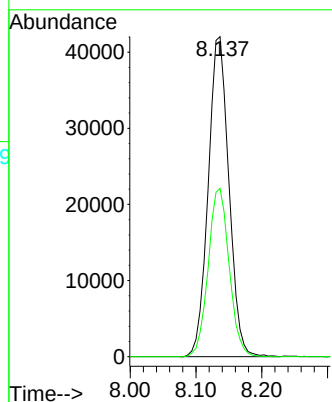
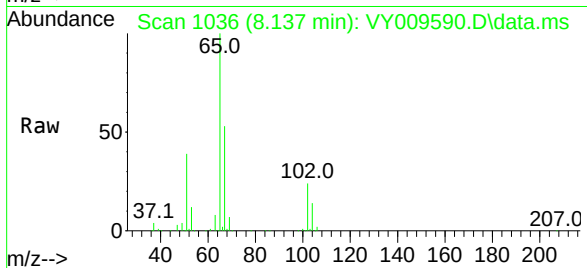
SED-1-(6-12)

Tgt Ion: 65 Resp: 92010

Ion Ratio Lower Upper

65 100

67 53.2 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: VY009590.D

Acq: 19 Jul 2022 15:28

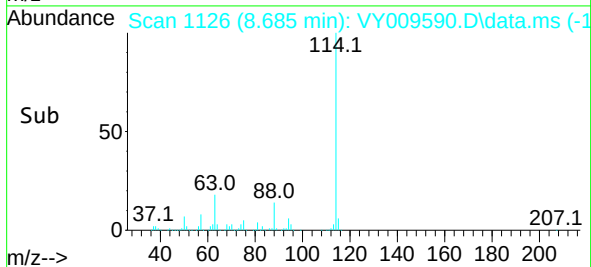
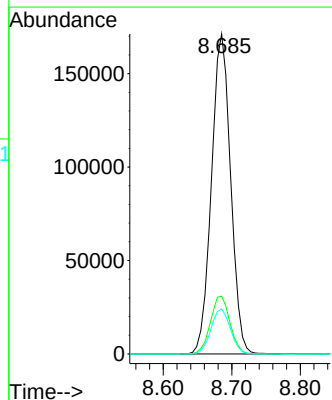
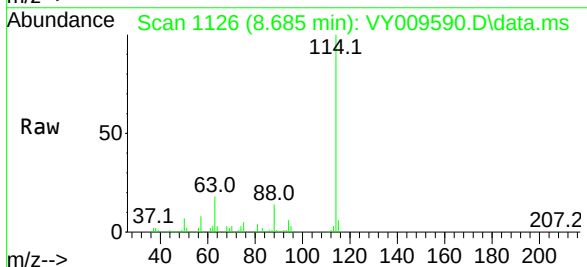
Tgt Ion: 114 Resp: 332568

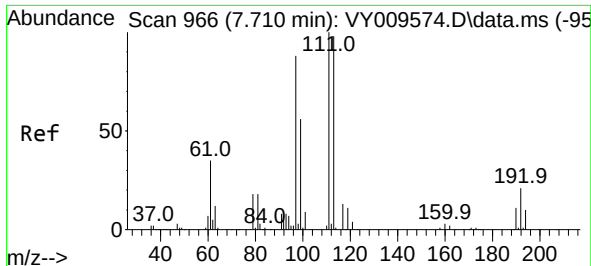
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.1 0.0 31.8

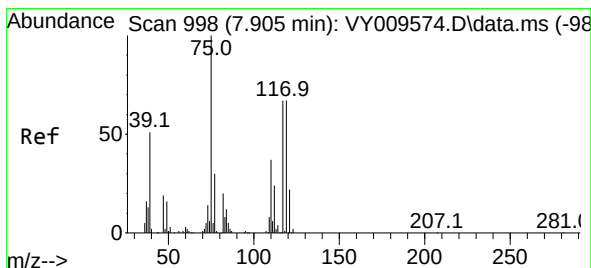
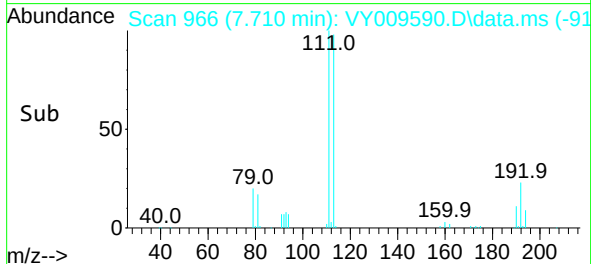
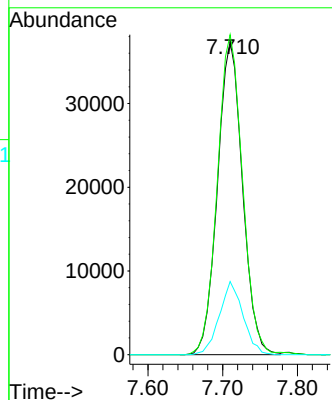
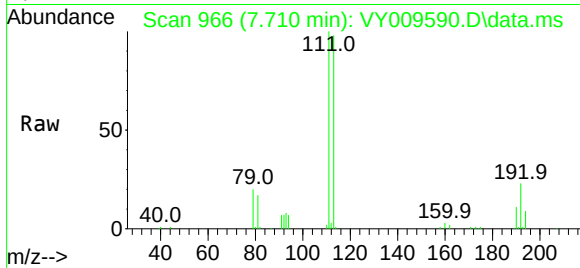




#35  
Dibromofluoromethane  
Concen: 41.530 ug/l  
RT: 7.710 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

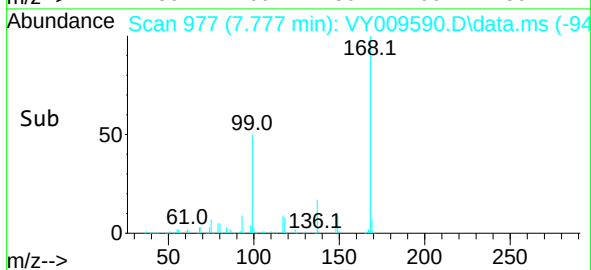
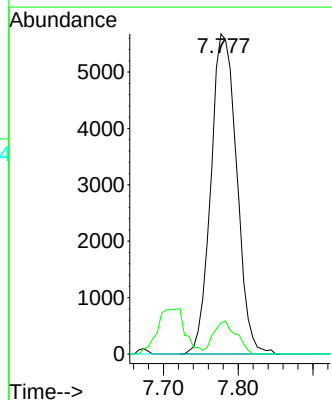
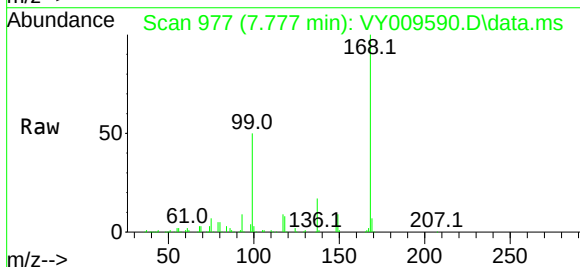
Instrument :  
MSVOA\_Y  
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SED-1-(6-12)

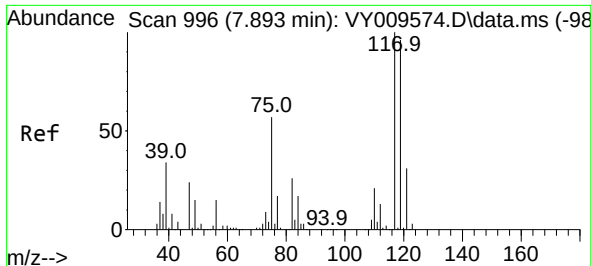
Tgt Ion:113 Resp: 87012  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 124.0  
192 22.2 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.408 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.128 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

Tgt Ion: 75 Resp: 13649  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.1 51.2#  
77 0.0 24.4 36.6#

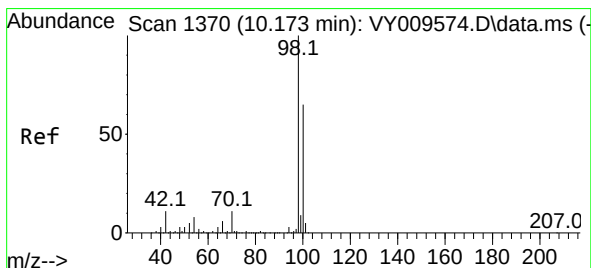
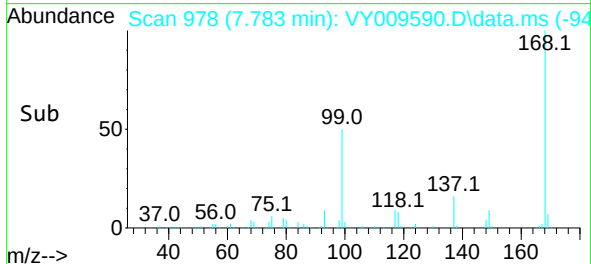
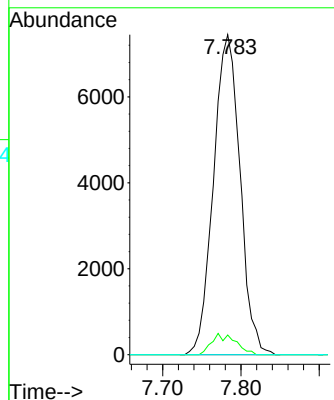
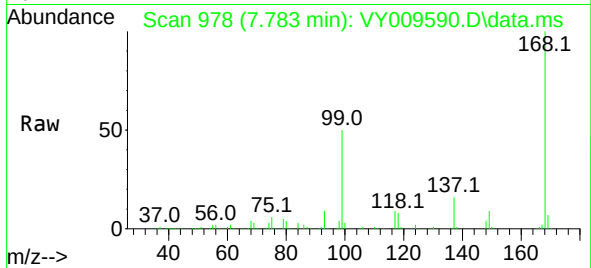




#38  
Carbon Tetrachloride  
Concen: 5.412 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

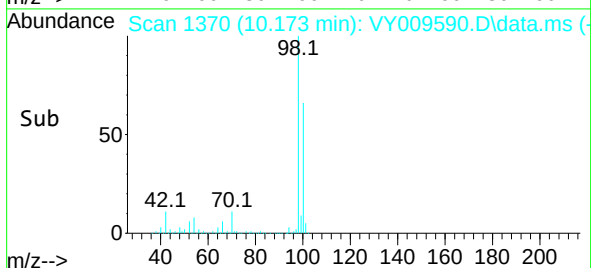
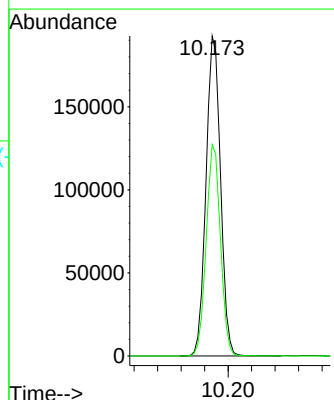
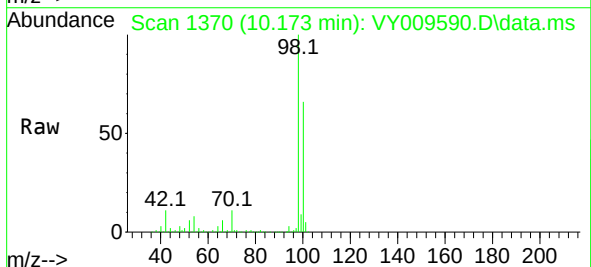
Instrument :  
MSVOA\_Y  
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SED-1-(6-12)

Tgt Ion:117 Resp: 17539  
Ion Ratio Lower Upper  
117 100  
119 6.1 77.9 116.9#  
121 0.0 24.8 37.2#

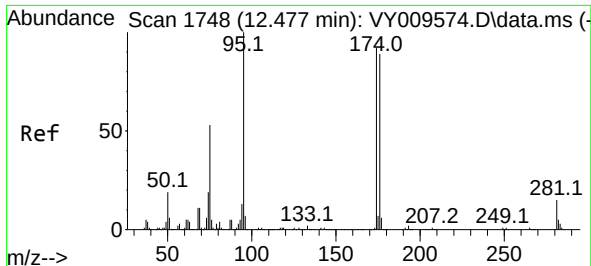


#50  
Toluene-d8  
Concen: 41.061 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

Tgt Ion: 98 Resp: 330727  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2



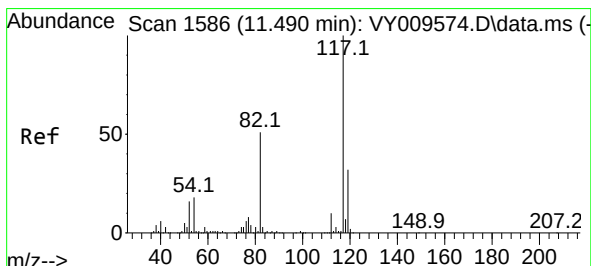
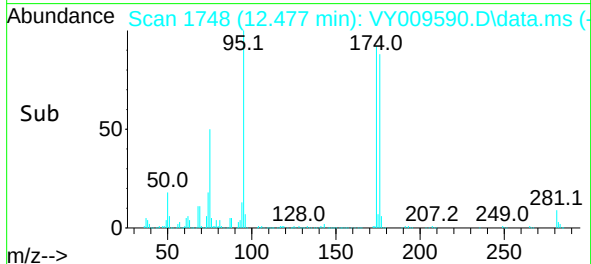
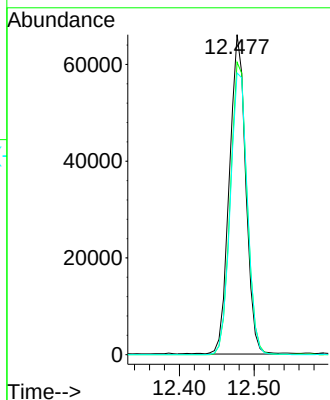
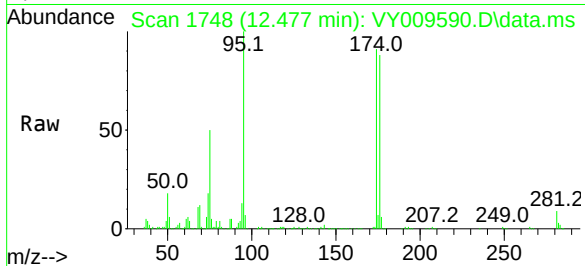




#62  
4-Bromofluorobenzene  
Concen: 38.484 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

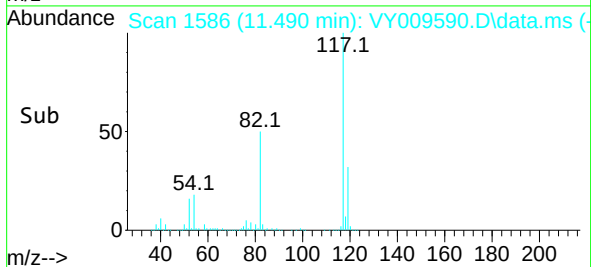
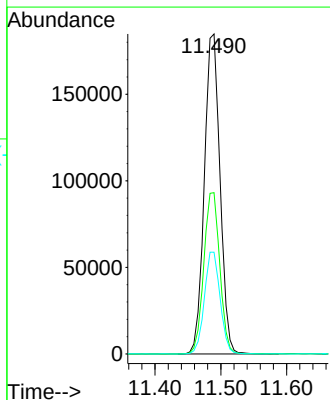
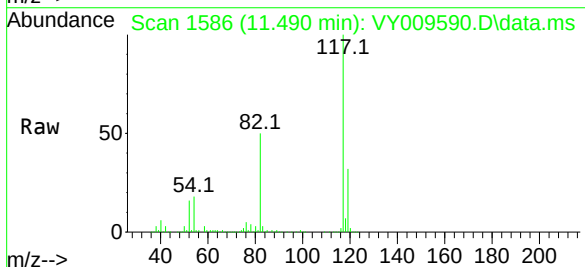
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-1-(6-12)

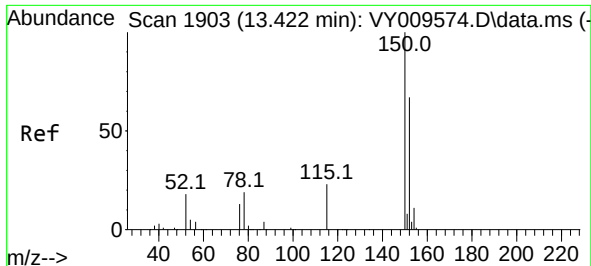
Tgt Ion: 95 Resp: 100438  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 177.0  
176 91.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY009590.D  
Acq: 19 Jul 2022 15:28

Tgt Ion: 117 Resp: 307033  
Ion Ratio Lower Upper  
117 100  
82 50.4 43.0 64.4  
119 31.8 25.4 38.0

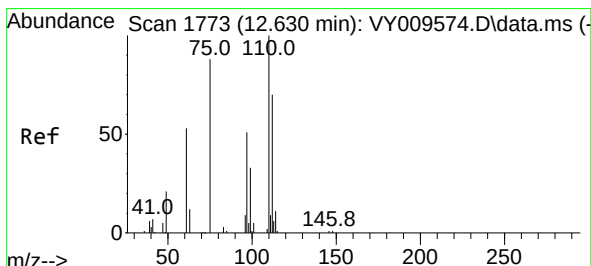
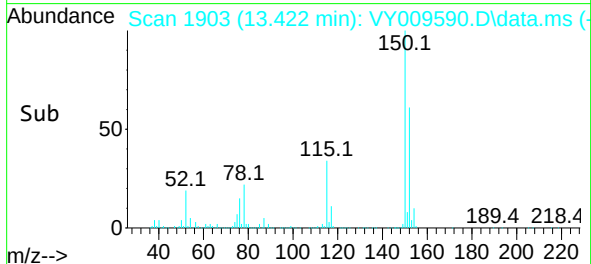
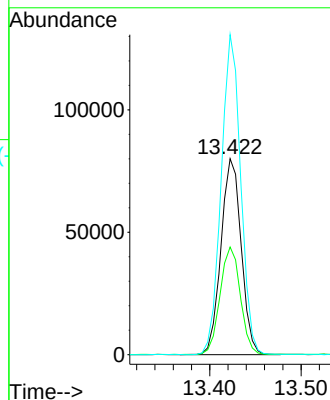
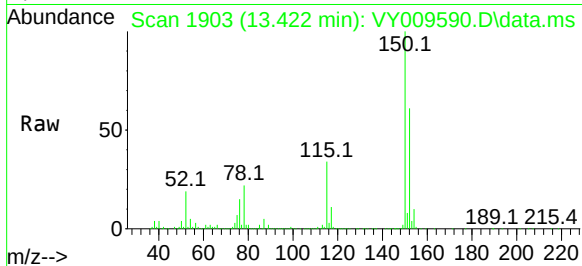




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY009590.D  
 Acq: 19 Jul 2022 15:28

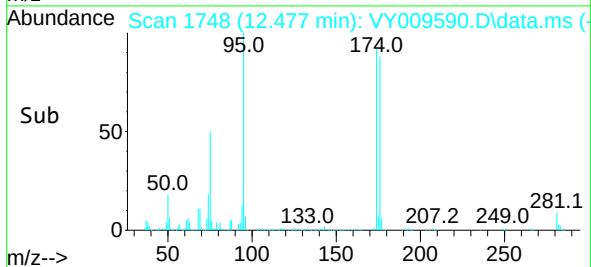
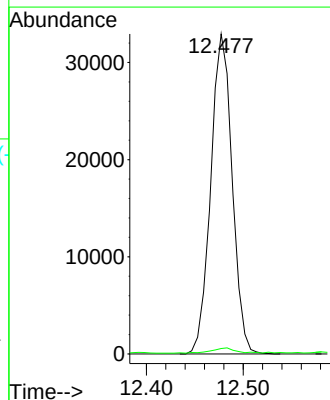
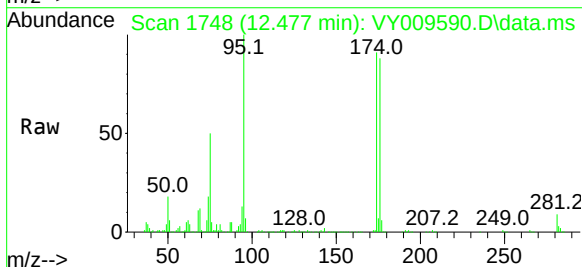
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SED-1-(6-12)

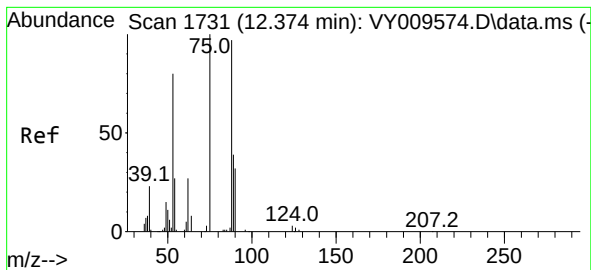
Tgt Ion:152 Resp: 123440  
 Ion Ratio Lower Upper  
 152 100  
 115 54.8 28.2 84.7  
 150 157.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 43.076 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY009590.D  
 Acq: 19 Jul 2022 15:28

Tgt Ion: 75 Resp: 50653  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.937 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009590.D  
 Acq: 19 Jul 2022 15:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SED-1-(6-12)

Tgt Ion: 75 Resp: 50653  
 Ion Ratio Lower Upper  
 75 100  
 53 0.6 85.3 127.9#  
 89 0.0 37.0 55.4#

