

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041122\  
 Data File : VY008267.D  
 Acq On : 11 Apr 2022 12:53  
 Operator : KP/MD  
 Sample : N2372-05  
 Misc : 3.47g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 12 06:56:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 87025    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 140678   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 108040   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 37173    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 25849    | 31.622   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 63.240%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 37338    | 45.953   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.900%  |
| 50) Toluene-d8              | 10.185 | 98    | 162337   | 58.388   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 116.780% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 38898    | 37.196   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 74.400%  |

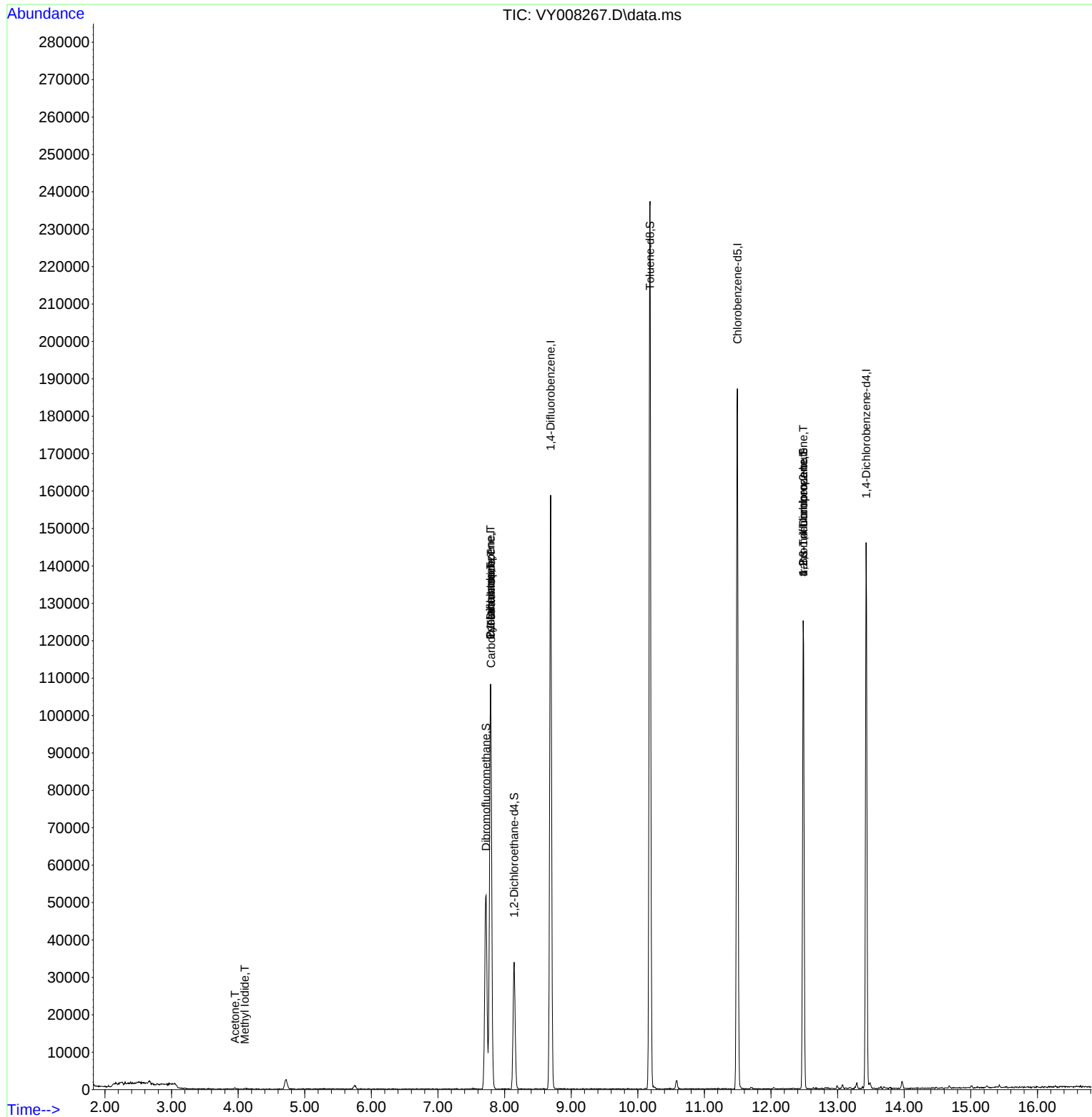
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.125  | 50   | 237      | Below Cal | #      | 44     |
| 5) Bromomethane               | 2.668  | 94   | 410      | Below Cal | #      | 79     |
| 10) Methyl Iodide             | 4.100  | 142  | 310      | 2.667     | ug/l # | 42     |
| 16) Acetone                   | 3.954  | 43   | 410      | 2.085     | ug/l # | 77     |
| 20) Methylene Chloride        | 4.704  | 84   | 1942     | Below Cal | #      | 62     |
| 31) Cyclohexane               | 7.789  | 56   | 1727     | 1.168     | ug/l # | 11     |
| 36) 1,1-Dichloropropene       | 7.789  | 75   | 6510     | 5.017     | ug/l # | 50     |
| 38) Carbon Tetrachloride      | 7.795  | 117  | 8471     | 6.069     | ug/l # | 14     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75   | 20551    | 49.987    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75   | 20551    | 111.845   | ug/l # | 7      |

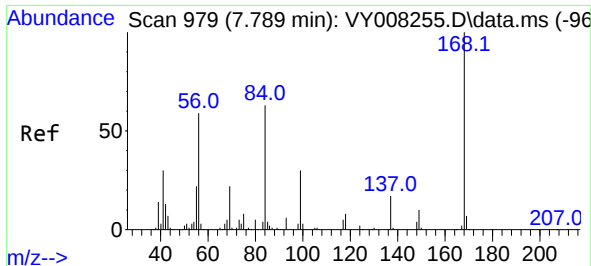
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 3.47g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

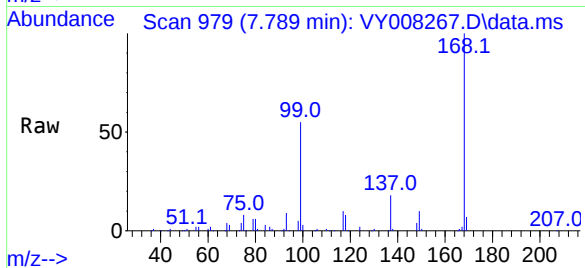
Quant Time: Apr 12 06:56:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration



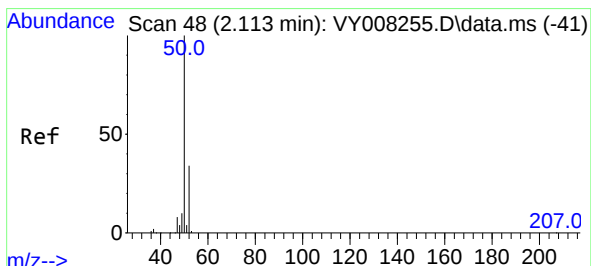
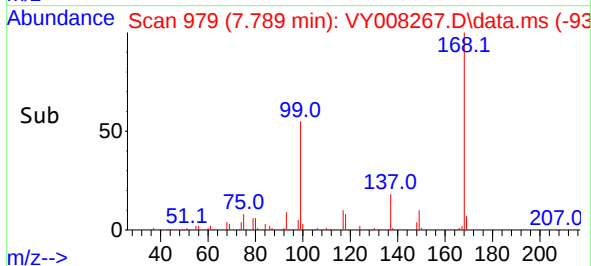
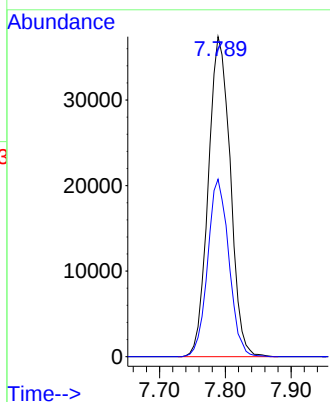


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

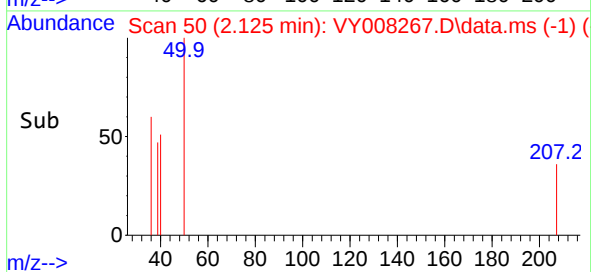
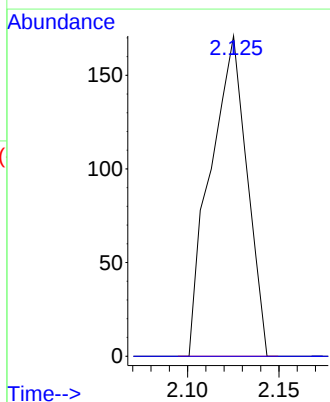
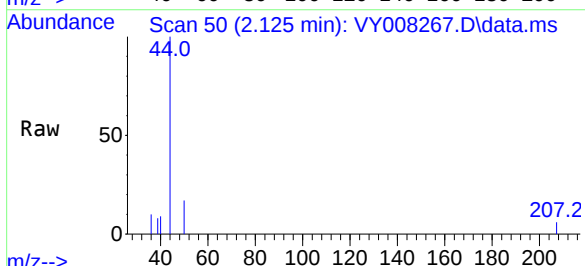


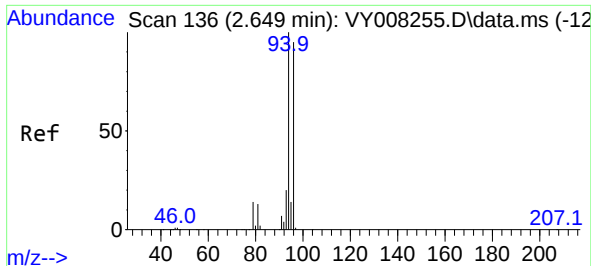
Tgt Ion:168 Resp: 87025  
Ion Ratio Lower Upper  
168 100  
99 55.5 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.125 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion: 50 Resp: 237  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

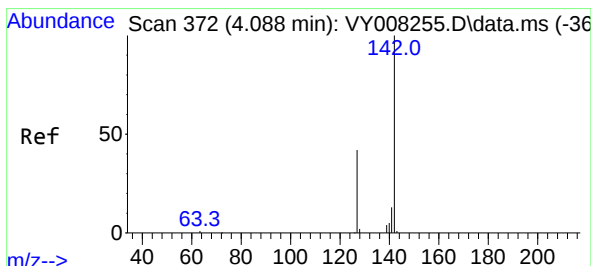
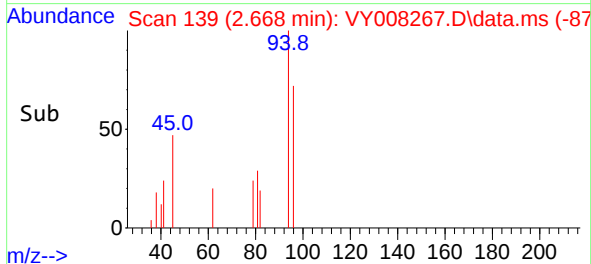
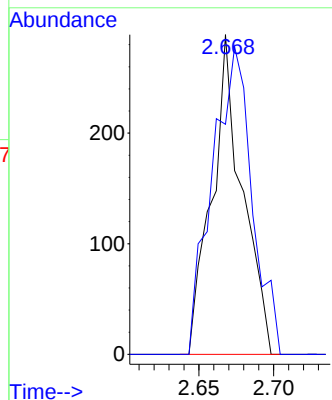
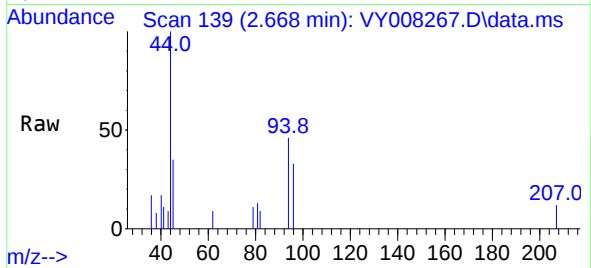




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 11  
Delta R.T. 0.019 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

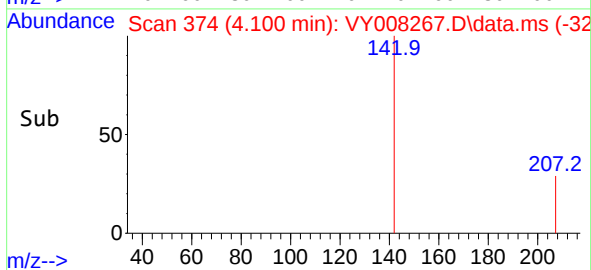
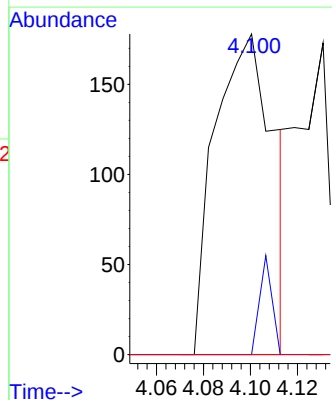
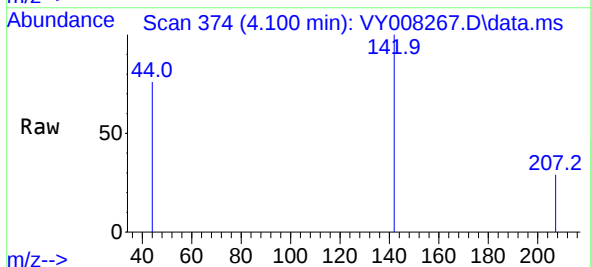
Instrument :  
MSVOA\_Y  
ClientSampleId :

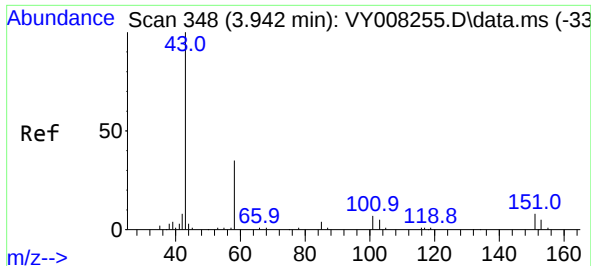
Tgt Ion: 94 Resp: 410  
Ion Ratio Lower Upper  
94 100  
96 72.0 73.5 110.3#



#10  
Methyl Iodide  
Concen: 2.667 ug/l  
RT: 4.100 min Scan# 374  
Delta R.T. 0.012 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion:142 Resp: 310  
Ion Ratio Lower Upper  
142 100  
127 6.5 41.5 62.3#  
141 0.0 11.9 17.9#

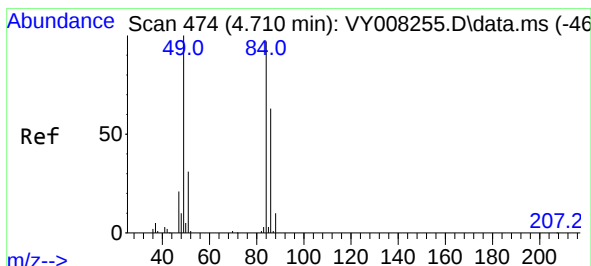
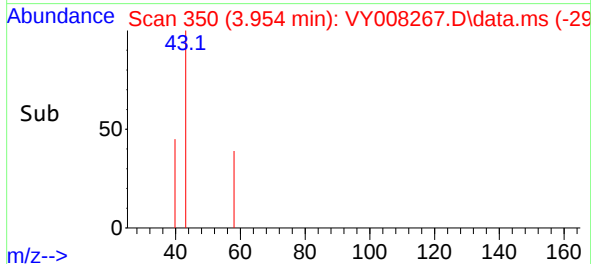
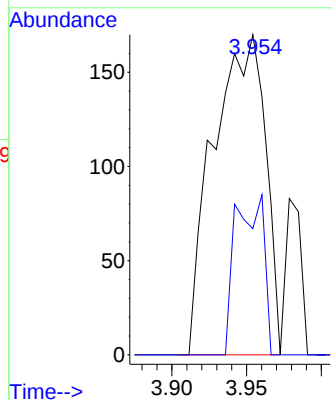
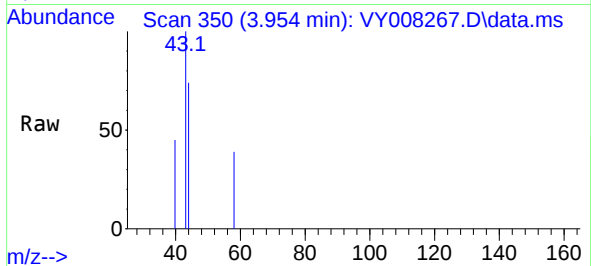




#16  
Acetone  
Concen: 2.085 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

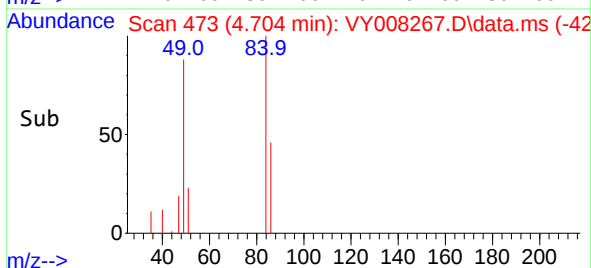
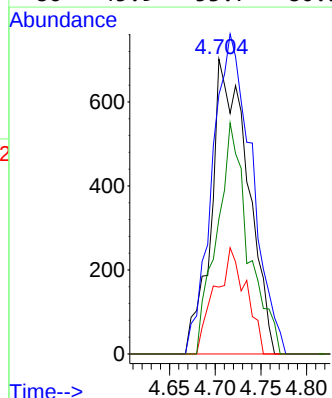
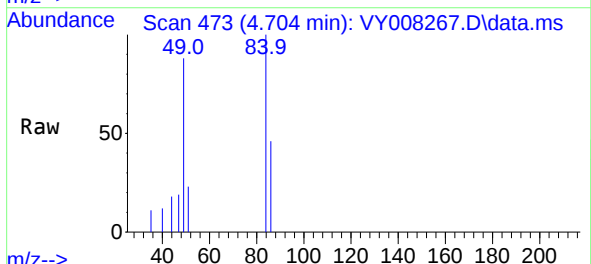
Instrument :  
MSVOA\_Y  
ClientSampleId :

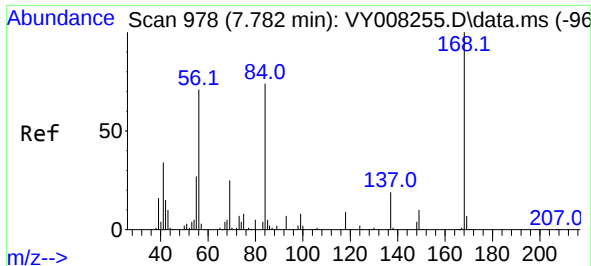
Tgt Ion: 43 Resp: 410  
Ion Ratio Lower Upper  
43 100  
58 39.4 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

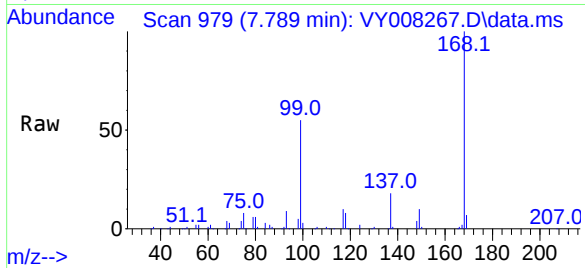
Tgt Ion: 84 Resp: 1942  
Ion Ratio Lower Upper  
84 100  
49 88.0 114.4 171.6#  
51 22.6 35.3 52.9#  
86 45.9 53.7 80.5#



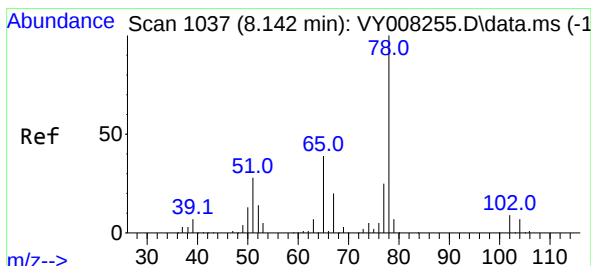
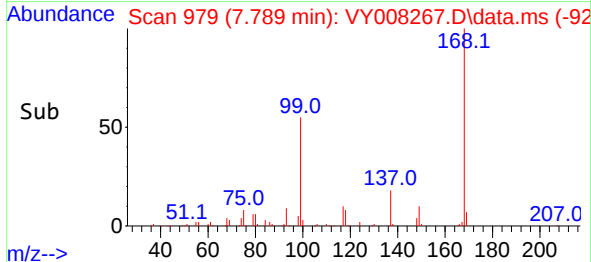
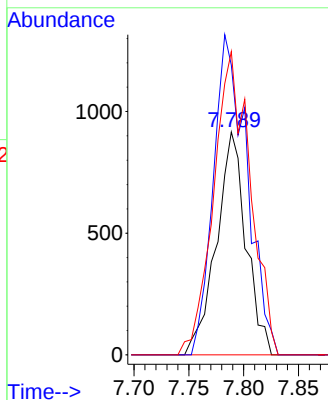


#31  
Cyclohexane  
Concen: 1.168 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.007 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

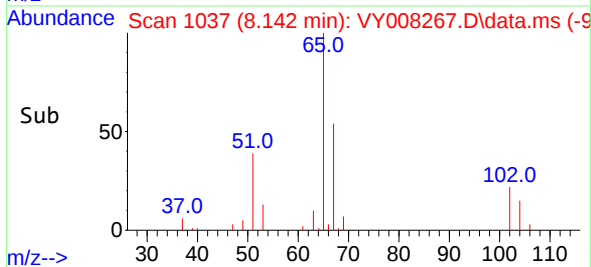
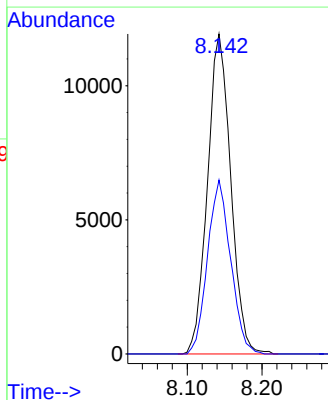
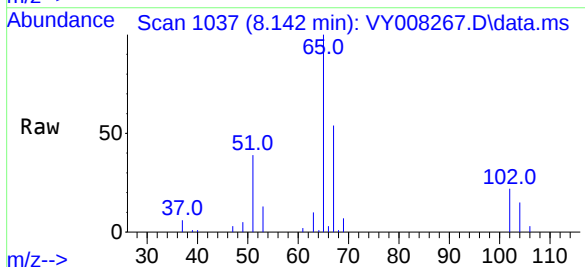


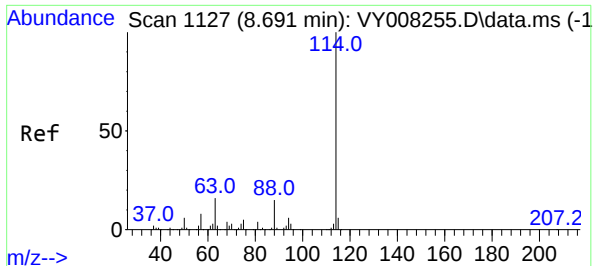
Tgt Ion: 56 Resp: 1727  
Ion Ratio Lower Upper  
56 100  
69 130.0 26.7 40.1#  
84 136.0 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 31.622 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion: 65 Resp: 25849  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008267.D

Acq: 11 Apr 2022 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

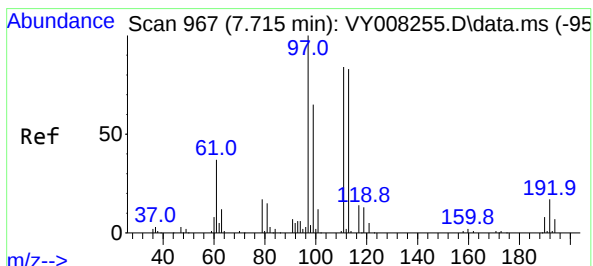
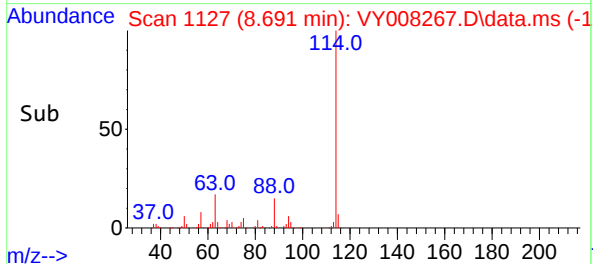
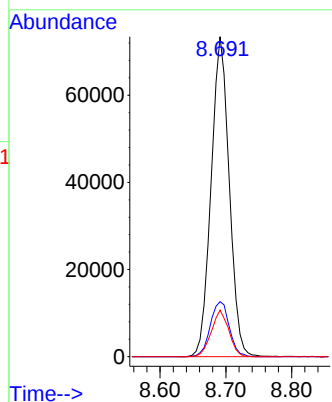
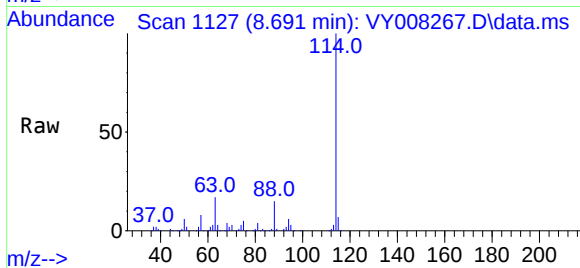
Tgt Ion:114 Resp: 140678

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.953 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008267.D

Acq: 11 Apr 2022 12:53

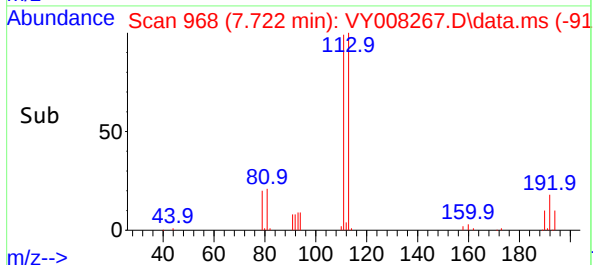
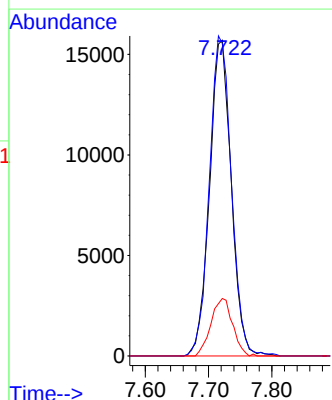
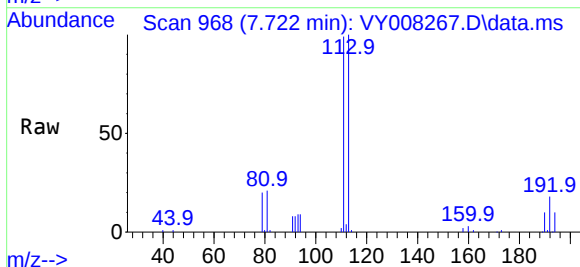
Tgt Ion:113 Resp: 37338

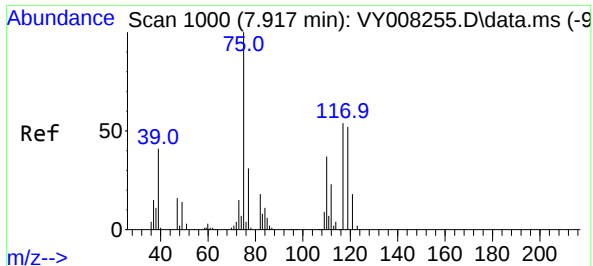
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 18.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.017 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008267.D

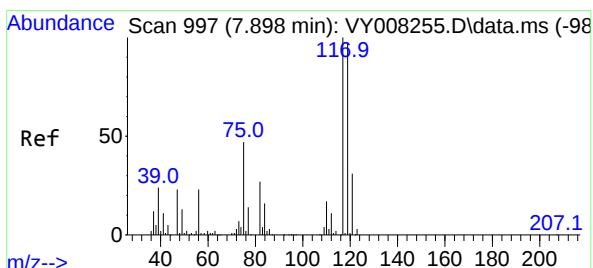
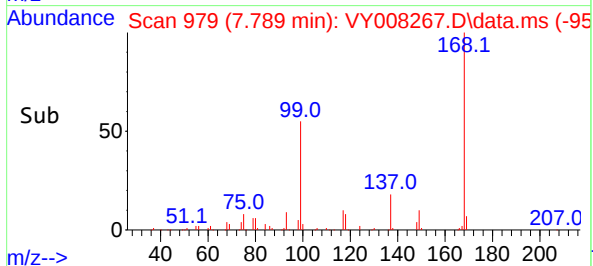
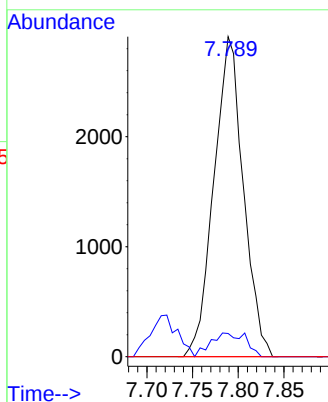
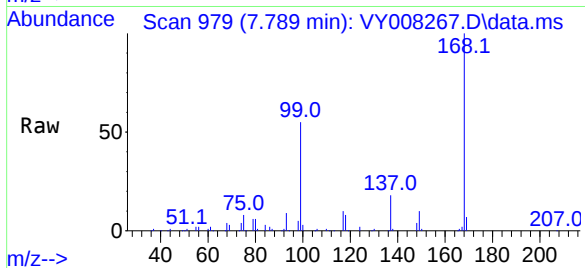
Acq: 11 Apr 2022 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 6510       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 8.8   | 17.1 51.2# |
| 77          | 0.0   | 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

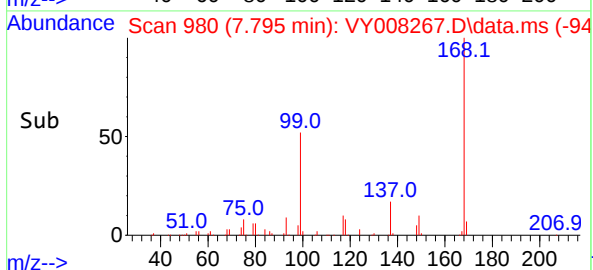
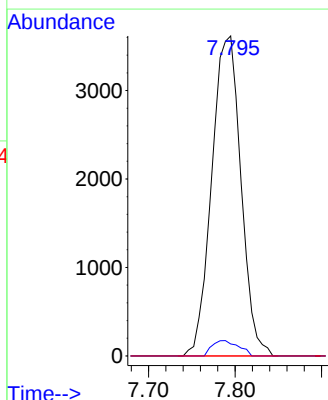
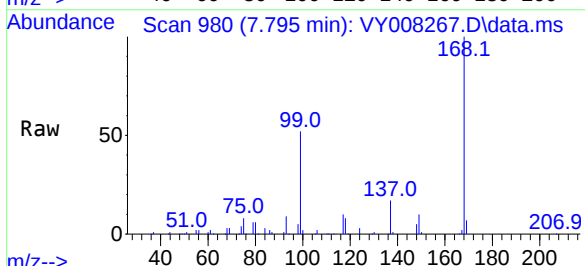
RT: 7.795 min Scan# 980

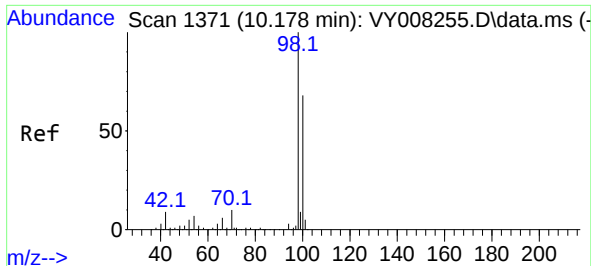
Delta R.T. -0.103 min

Lab File: VY008267.D

Acq: 11 Apr 2022 12:53

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 8471        |
| Ion Ratio    | Lower | Upper       |
| 117          | 100   |             |
| 119          | 3.8   | 77.9 116.9# |
| 121          | 0.0   | 24.8 37.2#  |

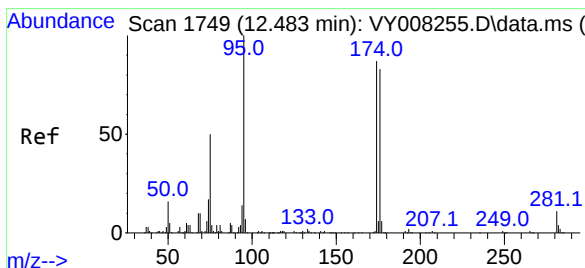
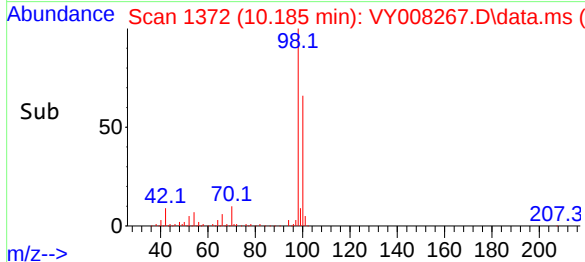
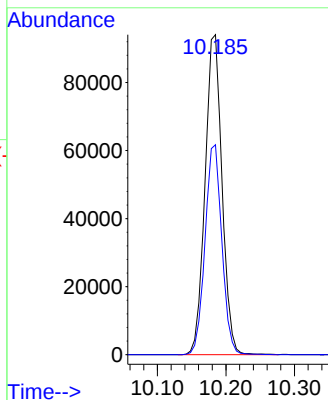
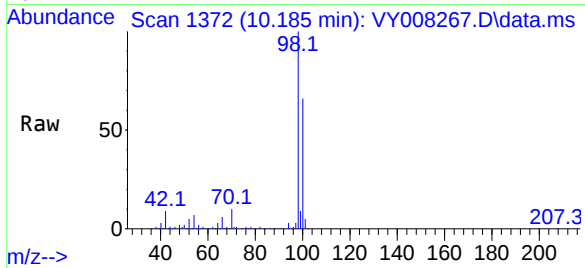




#50  
Toluene-d8  
Concen: 58.388 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

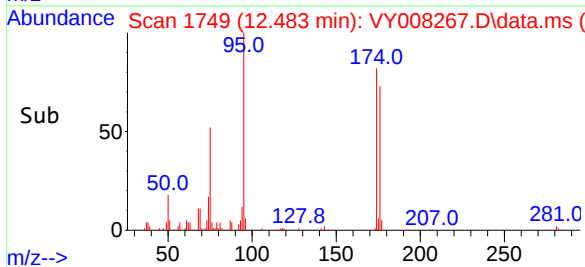
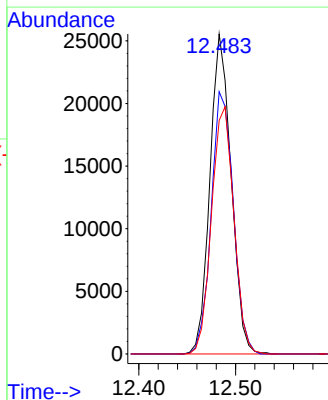
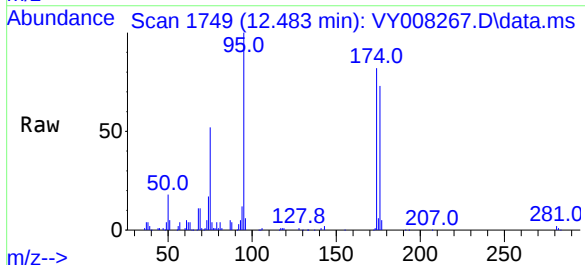
Instrument :  
MSVOA\_Y  
ClientSampleId :

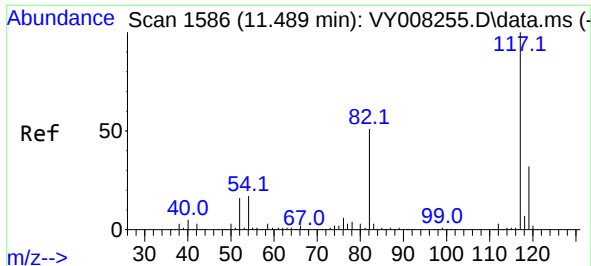
Tgt Ion: 98 Resp: 162337  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.196 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion: 95 Resp: 38898  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 177.0  
176 81.4 0.0 175.8

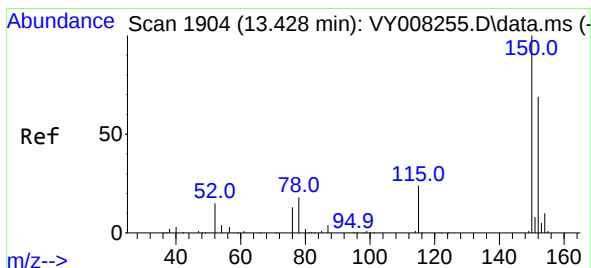
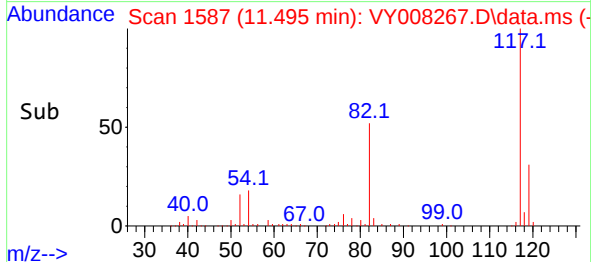
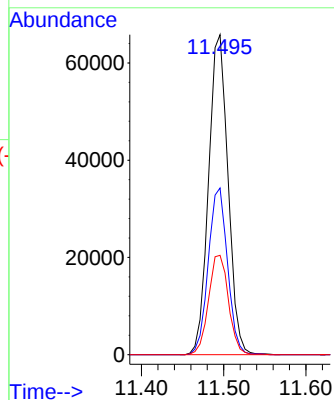
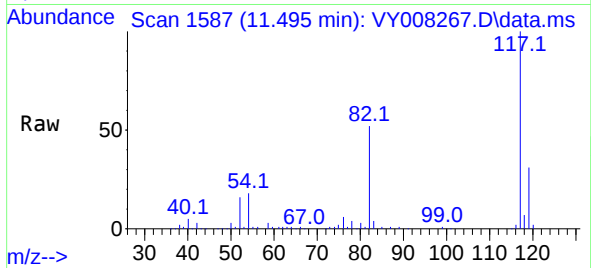




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

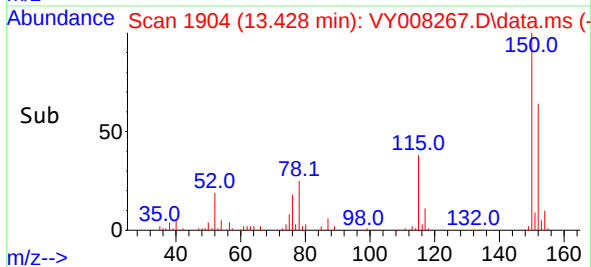
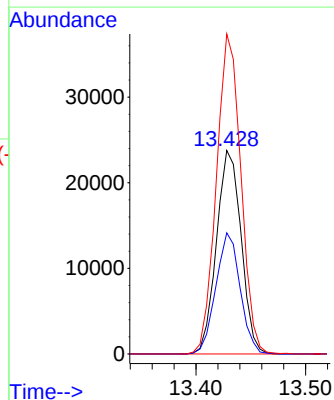
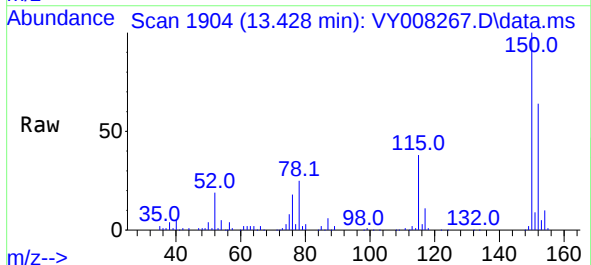
Instrument :  
MSVOA\_Y  
ClientSampleId :

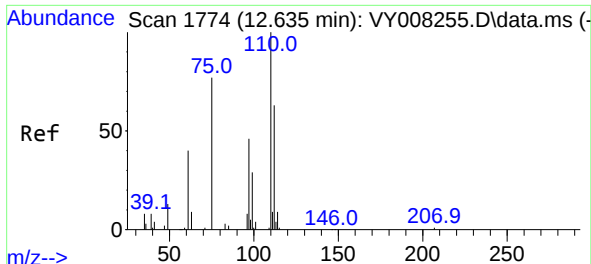
Tgt Ion:117 Resp: 108040  
Ion Ratio Lower Upper  
117 100  
82 52.1 43.0 64.4  
119 31.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion:152 Resp: 37173  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.2 84.7  
150 156.4 0.0 347.6

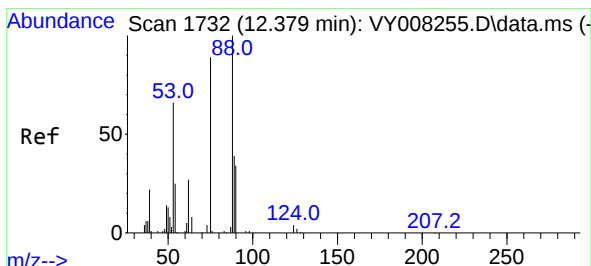
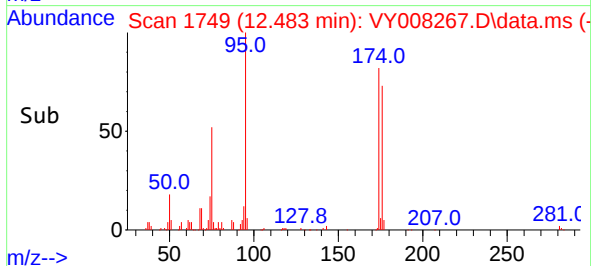
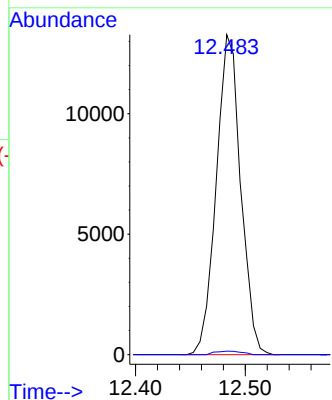
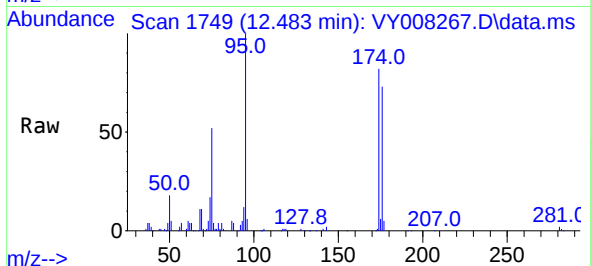




#76  
1,2,3-Trichloropropane  
Concen: 49.987 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 20551  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.845 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008267.D  
Acq: 11 Apr 2022 12:53

Tgt Ion: 75 Resp: 20551  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

