

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081821\  
 Data File : VD070127.D  
 Acq On : 18 Aug 2021 14:54  
 Operator : VA/SY  
 Sample : M3430-08  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

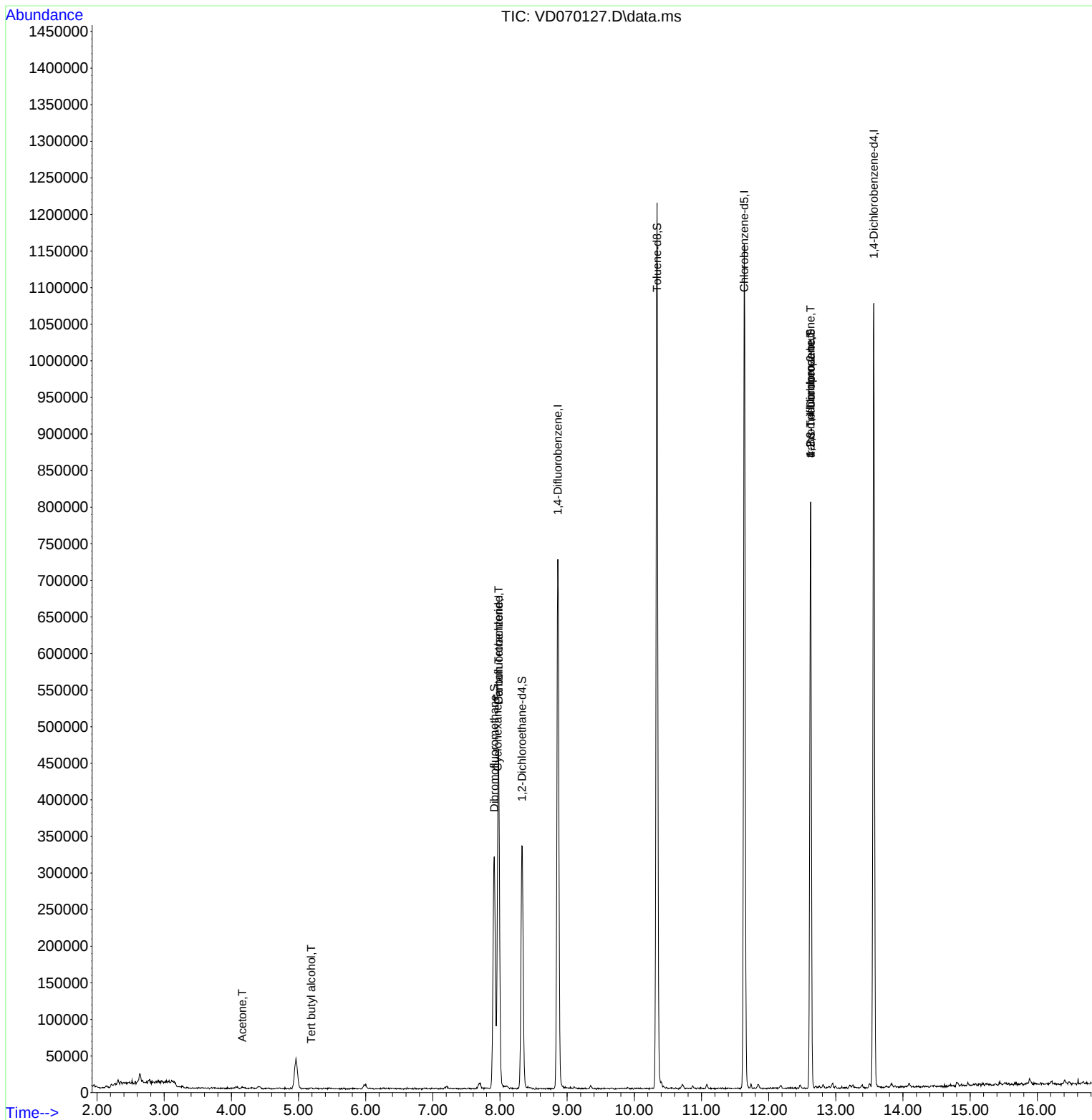
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PE-2D

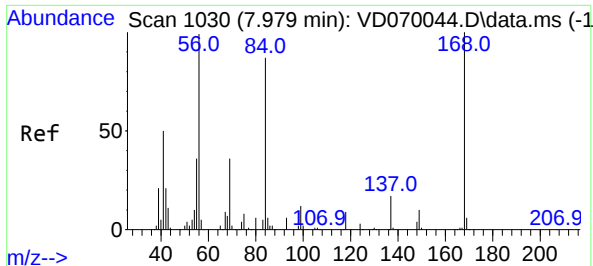
Quant Time: Aug 19 07:30:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 330467   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 635487   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.637 | 117   | 664214   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 286448   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 266263   | 68.504    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 137.000% |          |
| 35) Dibromofluoromethane      | 7.914  | 113   | 237698   | 57.895    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 115.800% |          |
| 50) Toluene-d8                | 10.337 | 98    | 827228   | 51.803    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.600% |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 274220   | 52.136    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 104.280% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.991  | 85    | 1073     | Below Cal |            | 84       |
| 3) Chloromethane              | 2.208  | 50    | 1766     | Below Cal |            | 94       |
| 5) Bromomethane               | 2.767  | 94    | 3068     | Below Cal | #          | 76       |
| 11) Tert butyl alcohol        | 5.191  | 59    | 399      | 1.857     | ug/l #     | 71       |
| 16) Acetone                   | 4.161  | 43    | 2814     | 3.930     | ug/l       | 97       |
| 20) Methylene Chloride        | 4.961  | 84    | 31905    | Below Cal |            | 95       |
| 31) Cyclohexane               | 7.967  | 56    | 9916     | 1.289     | ug/l #     | 39       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 35387    | 5.702     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 133038   | 45.797    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 133038   | 118.871   | ug/l #     | 18       |
| -----                         |        |       |          |           |            |          |

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

Quant Time: Aug 19 07:30:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

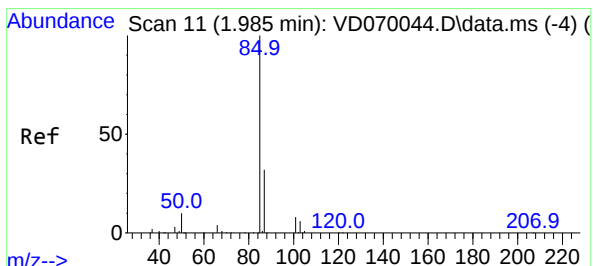
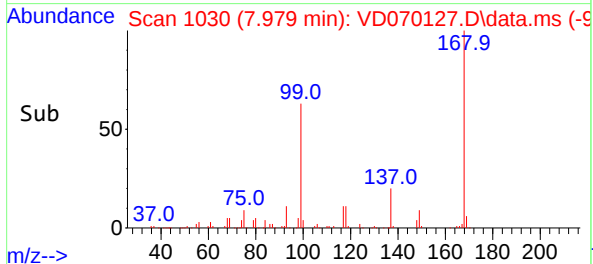
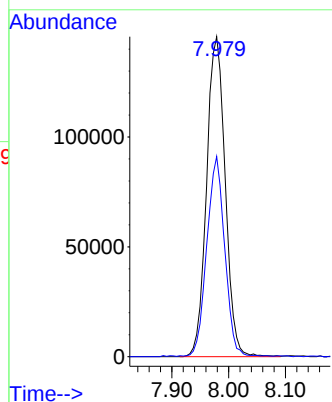
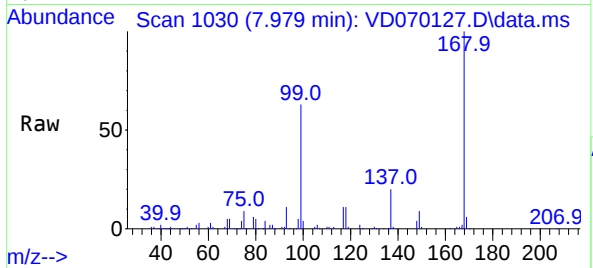




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

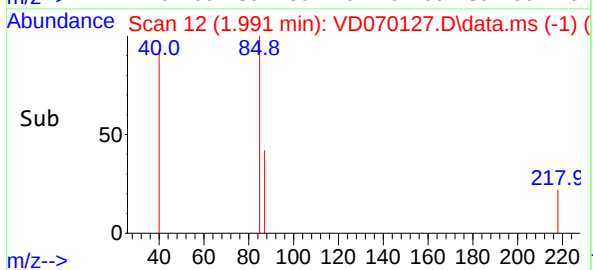
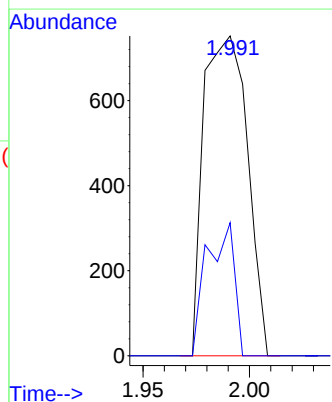
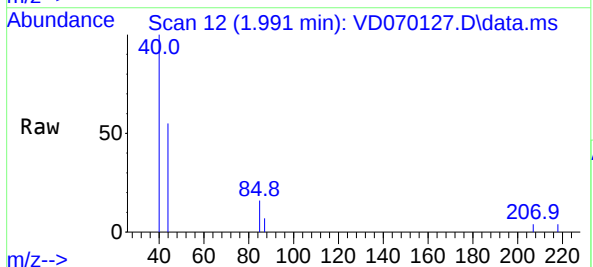
Instrument :  
MSVOA\_D  
ClientSampled :  
PE-2D

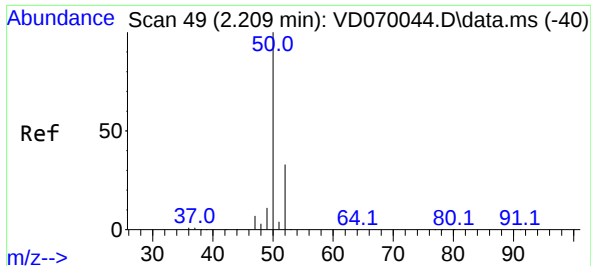
Tgt Ion:168 Resp: 330467  
Ion Ratio Lower Upper  
168 100  
99 62.3 50.3 75.5



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.006 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 85 Resp: 1073  
Ion Ratio Lower Upper  
85 100  
87 41.6 16.2 48.6

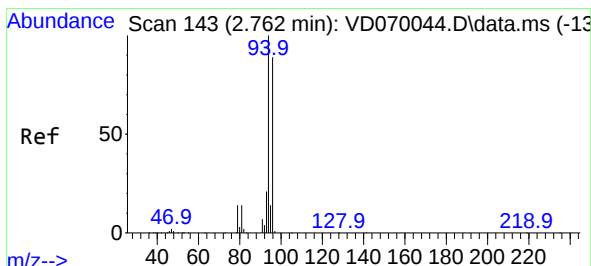
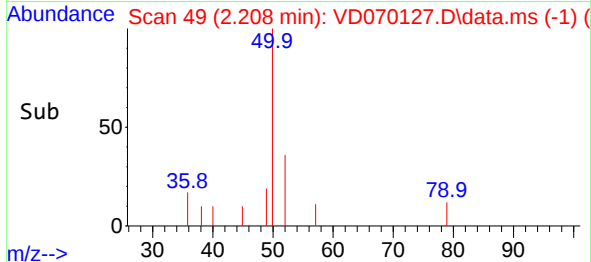
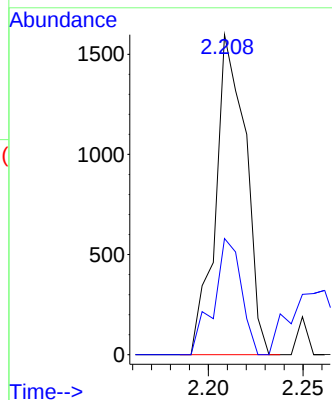
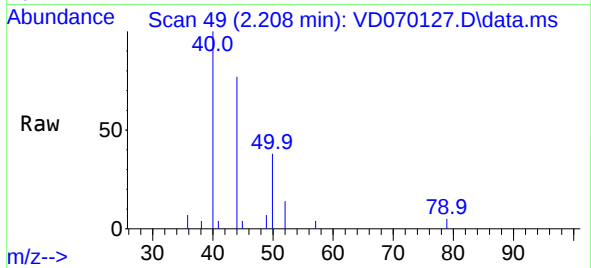




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.208 min Scan# 49  
Delta R.T. -0.001 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

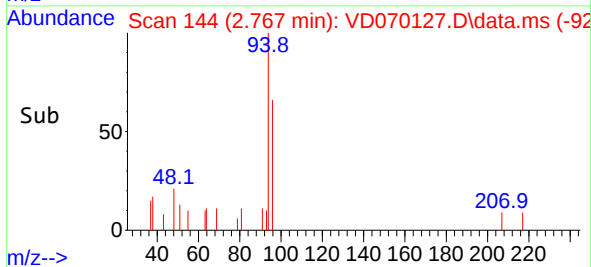
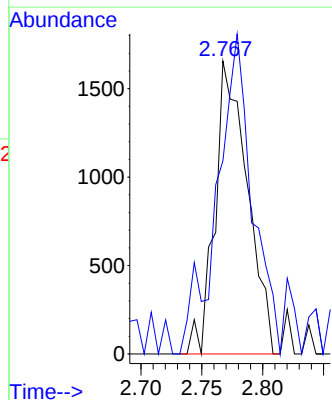
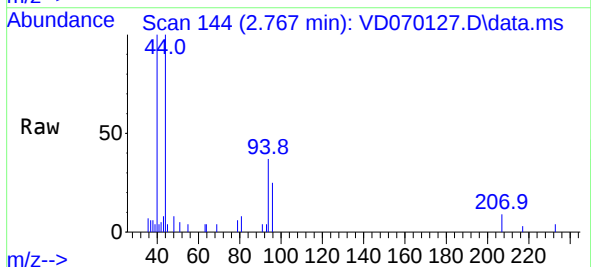
Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

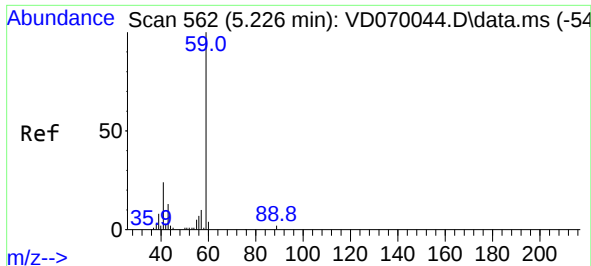
Tgt Ion: 50 Resp: 1766  
Ion Ratio Lower Upper  
50 100  
52 36.3 26.3 39.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.767 min Scan# 144  
Delta R.T. 0.005 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 94 Resp: 3068  
Ion Ratio Lower Upper  
94 100  
96 66.0 70.9 106.3#



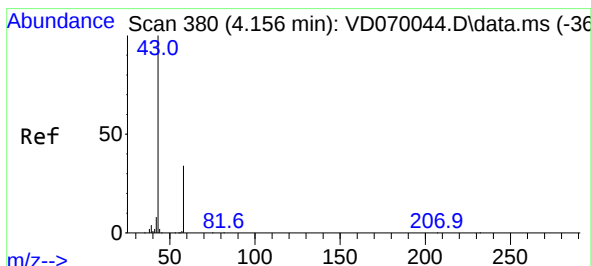
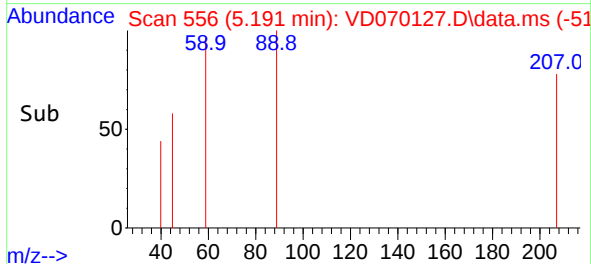
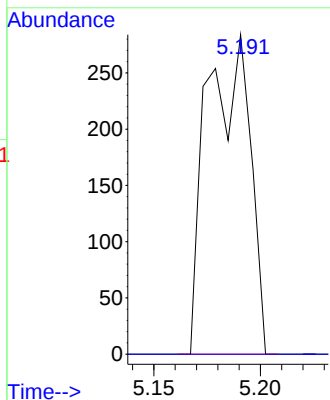
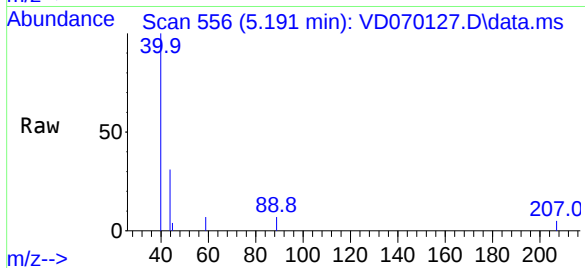


#11

Tert butyl alcohol  
Concen: 1.857 ug/l  
RT: 5.191 min Scan# 556  
Delta R.T. -0.036 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

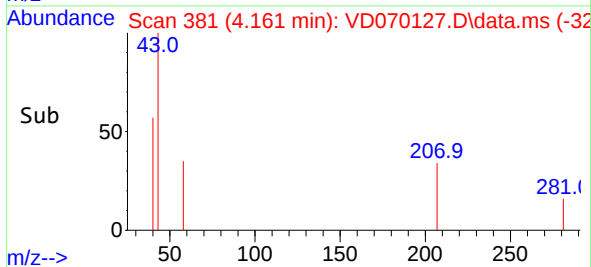
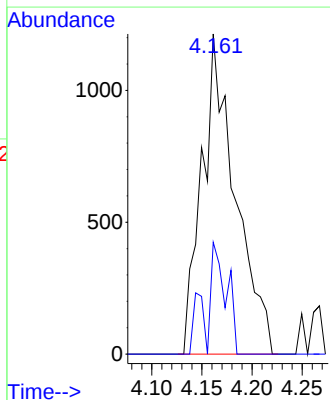
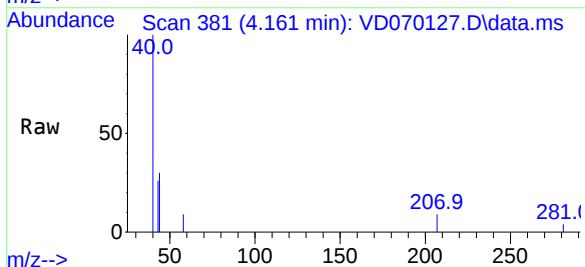
Tgt Ion: 59 Resp: 399  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#

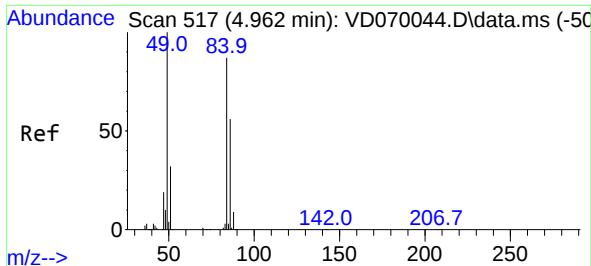


#16

Acetone  
Concen: 3.930 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 43 Resp: 2814  
Ion Ratio Lower Upper  
43 100  
58 34.9 26.8 40.2



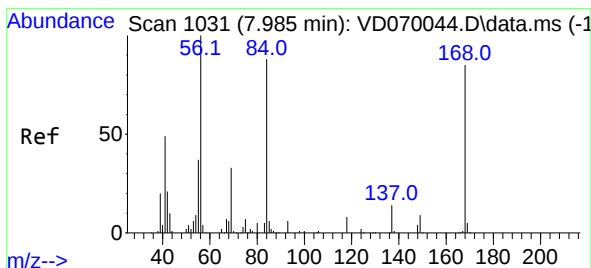
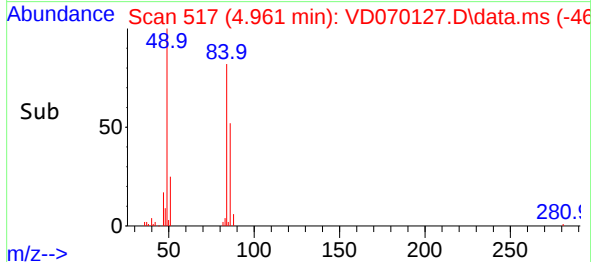
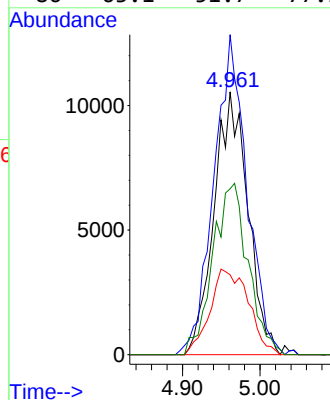
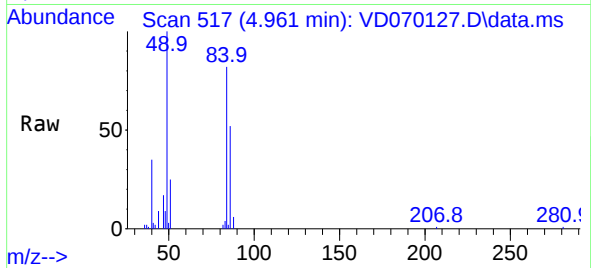


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.961 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

Tgt Ion: 84 Resp: 31905

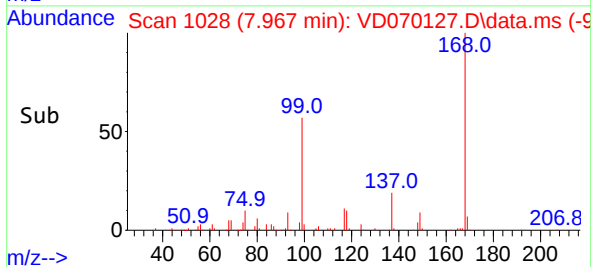
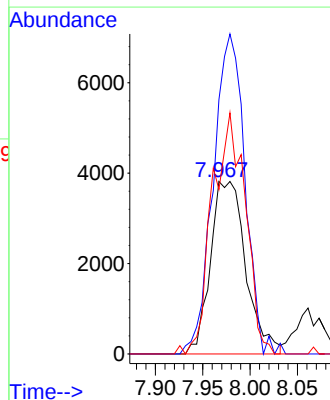
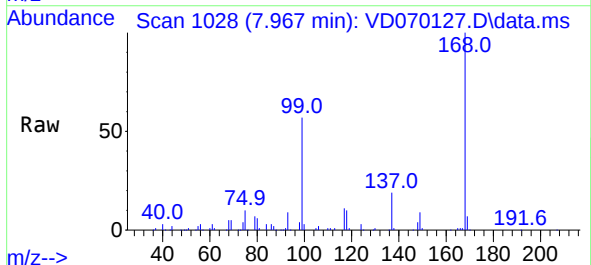
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.2 | 92.5  | 138.7 |
| 51  | 30.4  | 29.7  | 44.5  |
| 86  | 63.1  | 51.7  | 77.5  |

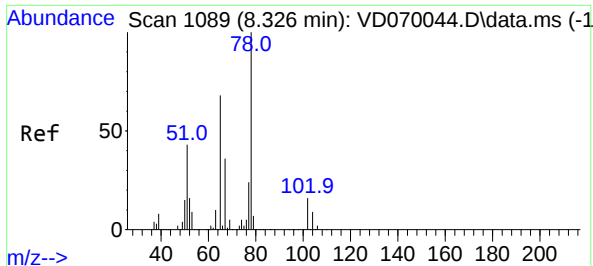


#31  
Cyclohexane  
Concen: 1.289 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.018 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 56 Resp: 9916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 147.4 | 26.7  | 40.1# |
| 84  | 95.3  | 70.4  | 105.6 |

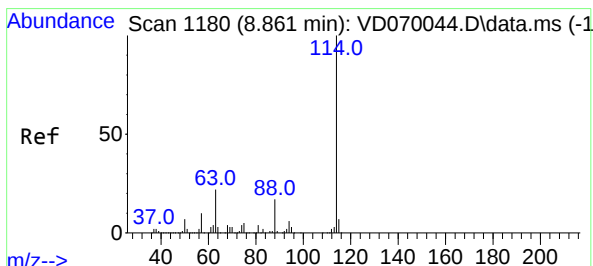
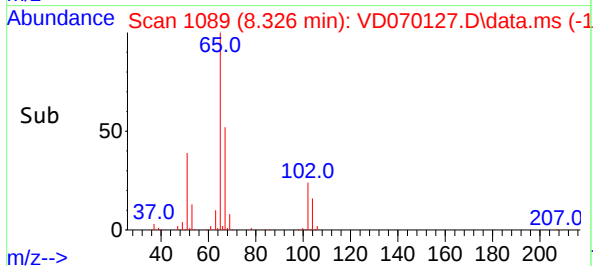
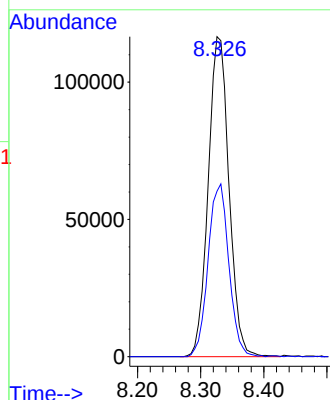
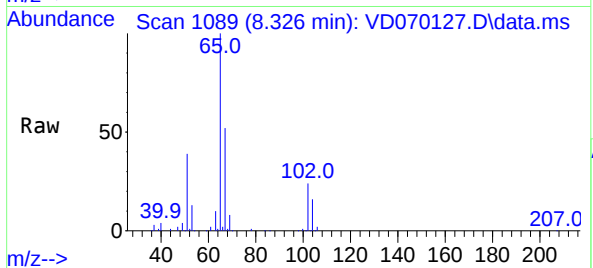




#33  
1,2-Dichloroethane-d4  
Concen: 68.504 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

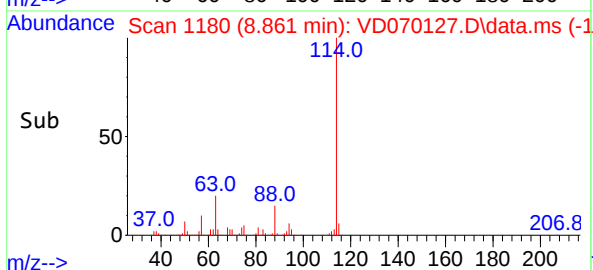
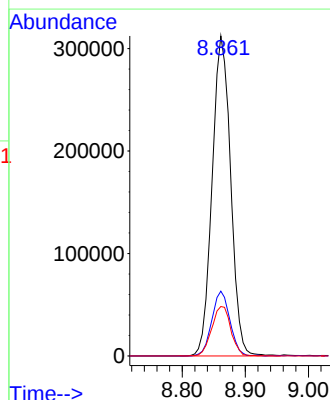
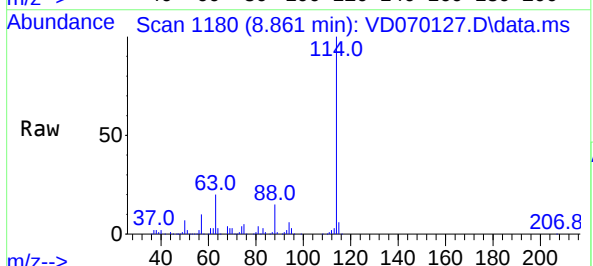
Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

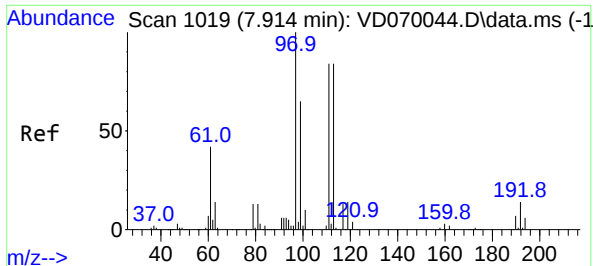
Tgt Ion: 65 Resp: 266263  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 107.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 114 Resp: 635487  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 43.6  
88 15.5 0.0 33.4

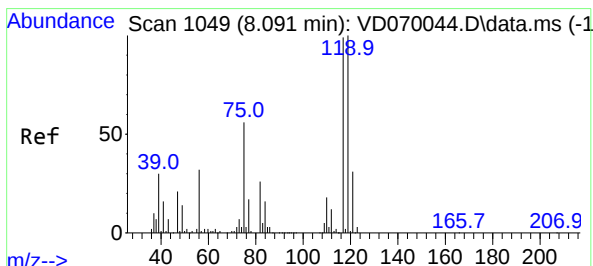
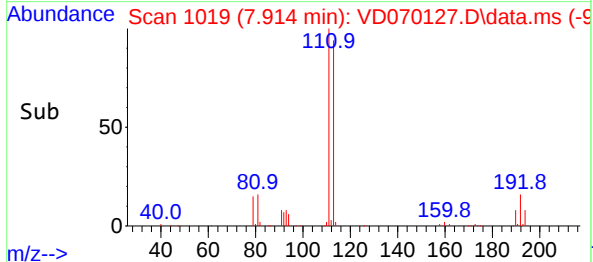
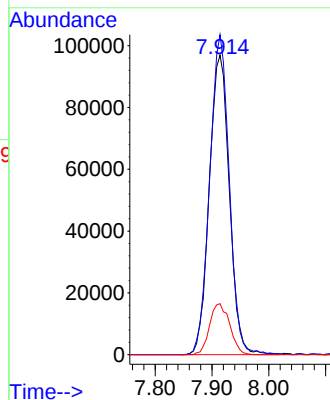
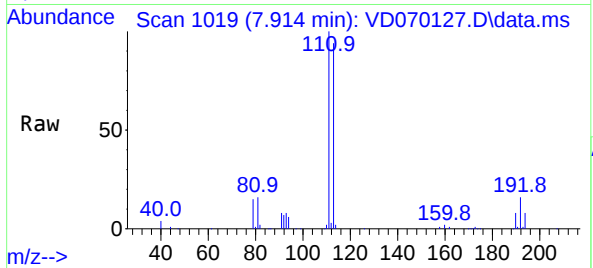




#35  
Dibromofluoromethane  
Concen: 57.895 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

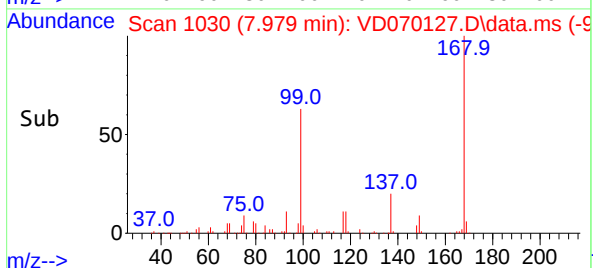
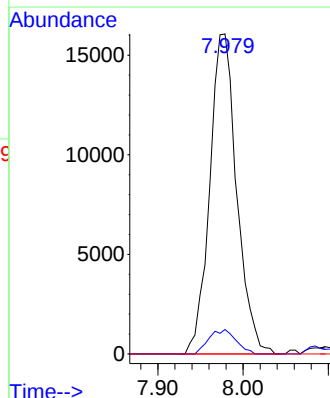
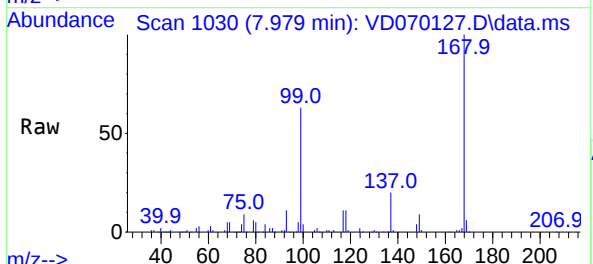
Instrument :  
MSVOA\_D  
ClientSampled :  
PE-2D

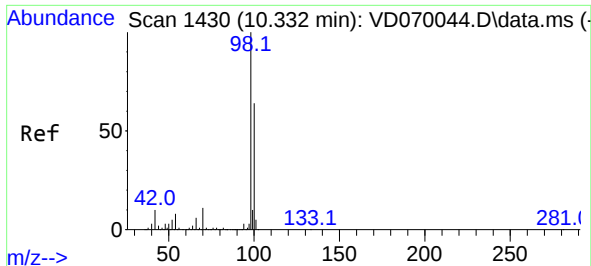
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 237698 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.1 | 81.8  | 122.6  |
| 192      | 17.1  | 13.2  | 19.8   |



#38  
Carbon Tetrachloride  
Concen: 5.702 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.112 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 35387  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.7   | 81.0  | 121.6# |
| 121      | 0.0   | 25.0  | 37.6#  |

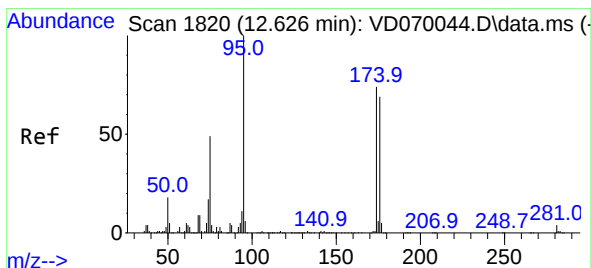
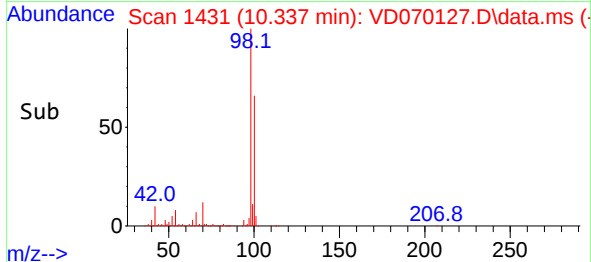
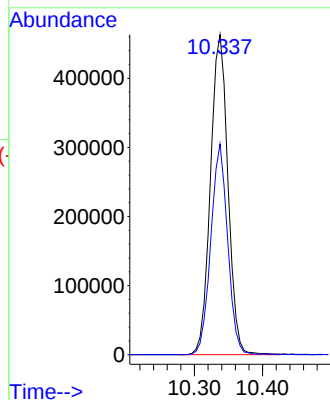
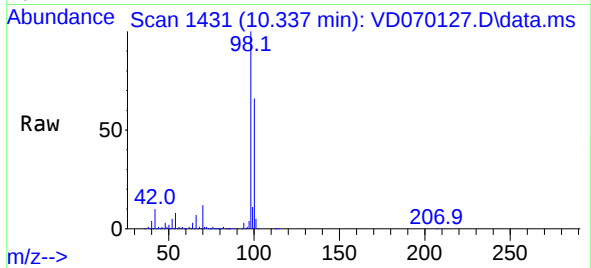




#50  
Toluene-d8  
Concen: 51.803 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

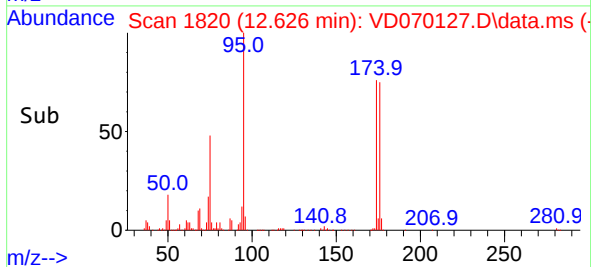
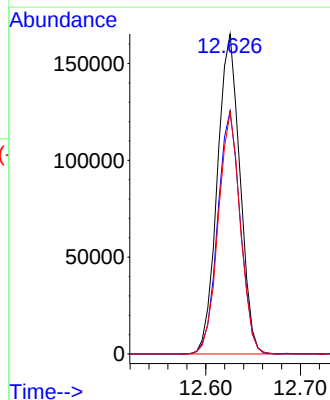
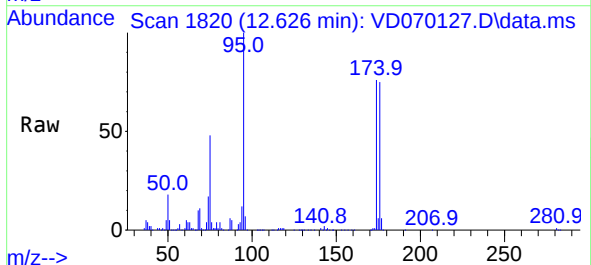
Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

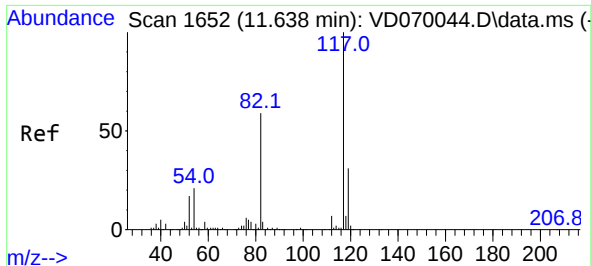
Tgt Ion: 98 Resp: 827228  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 52.136 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

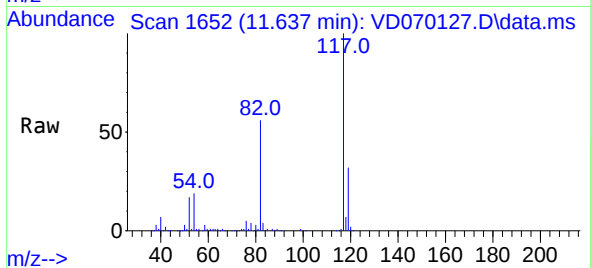
Tgt Ion: 95 Resp: 274220  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 141.6  
176 73.6 0.0 138.2



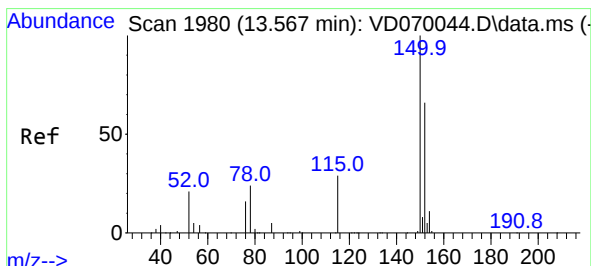
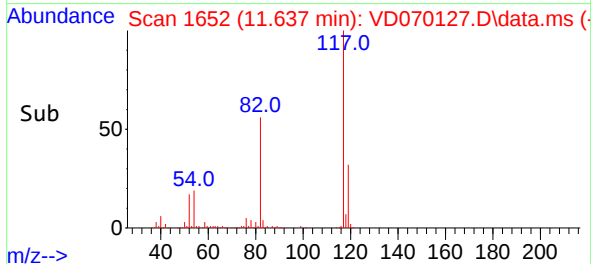
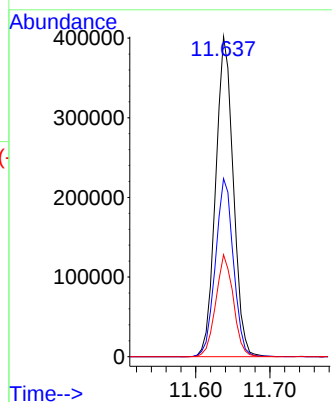


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

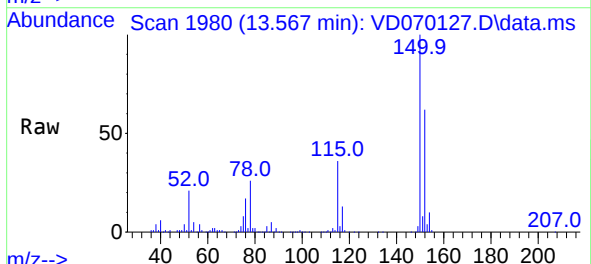
Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D



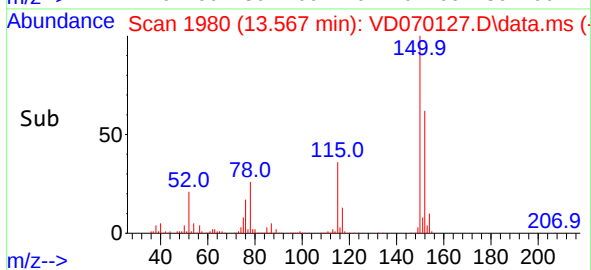
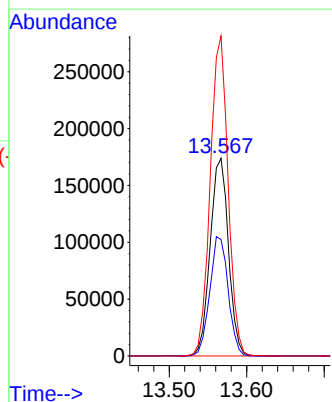
Tgt Ion:117 Resp: 664214  
Ion Ratio Lower Upper  
117 100  
82 55.6 47.5 71.3  
119 31.8 25.1 37.7

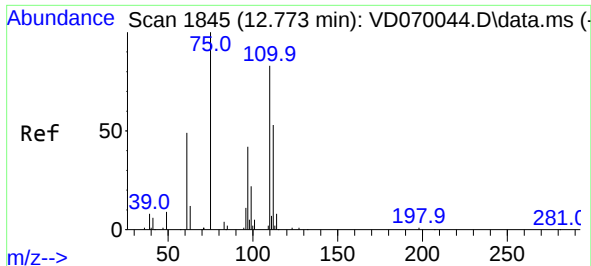


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54



Tgt Ion:152 Resp: 286448  
Ion Ratio Lower Upper  
152 100  
115 60.4 31.2 93.6  
150 157.3 0.0 352.0

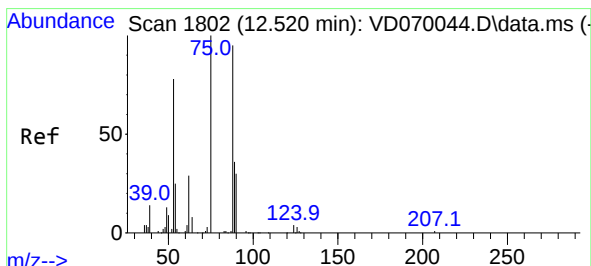
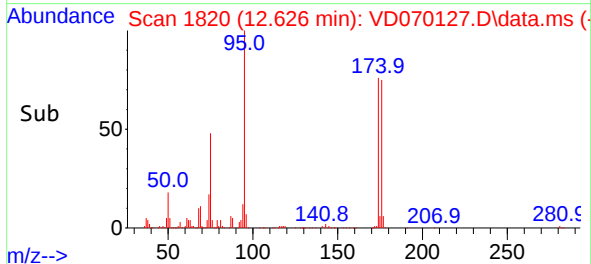
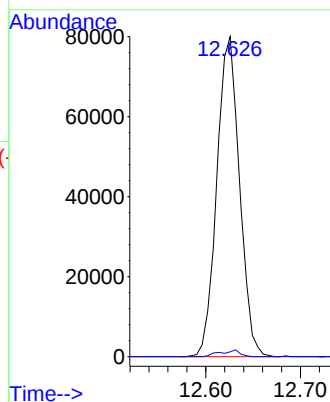
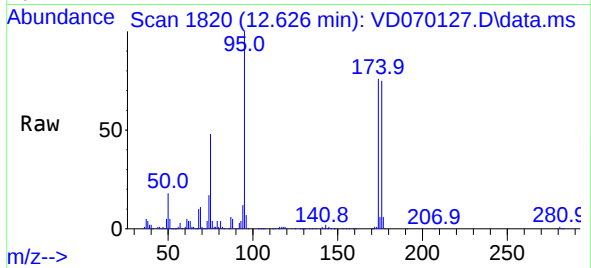




#76  
1,2,3-Trichloropropane  
Concen: 45.797 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
PE-2D

Tgt Ion: 75 Resp: 133038  
Ion Ratio Lower Upper  
75 100  
77 1.8 182.4 547.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.871 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070127.D  
Acq: 18 Aug 2021 14:54

Tgt Ion: 75 Resp: 133038  
Ion Ratio Lower Upper  
75 100  
53 0.2 64.5 96.7#  
89 0.0 33.7 50.5#

