

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
 Data File : VY008950.D  
 Acq On : 21 May 2022 15:26  
 Operator : KP/MD  
 Sample : N2919-15  
 Misc : 5.44g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P013-SS004-0006-01

Quant Time: May 21 21:30:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

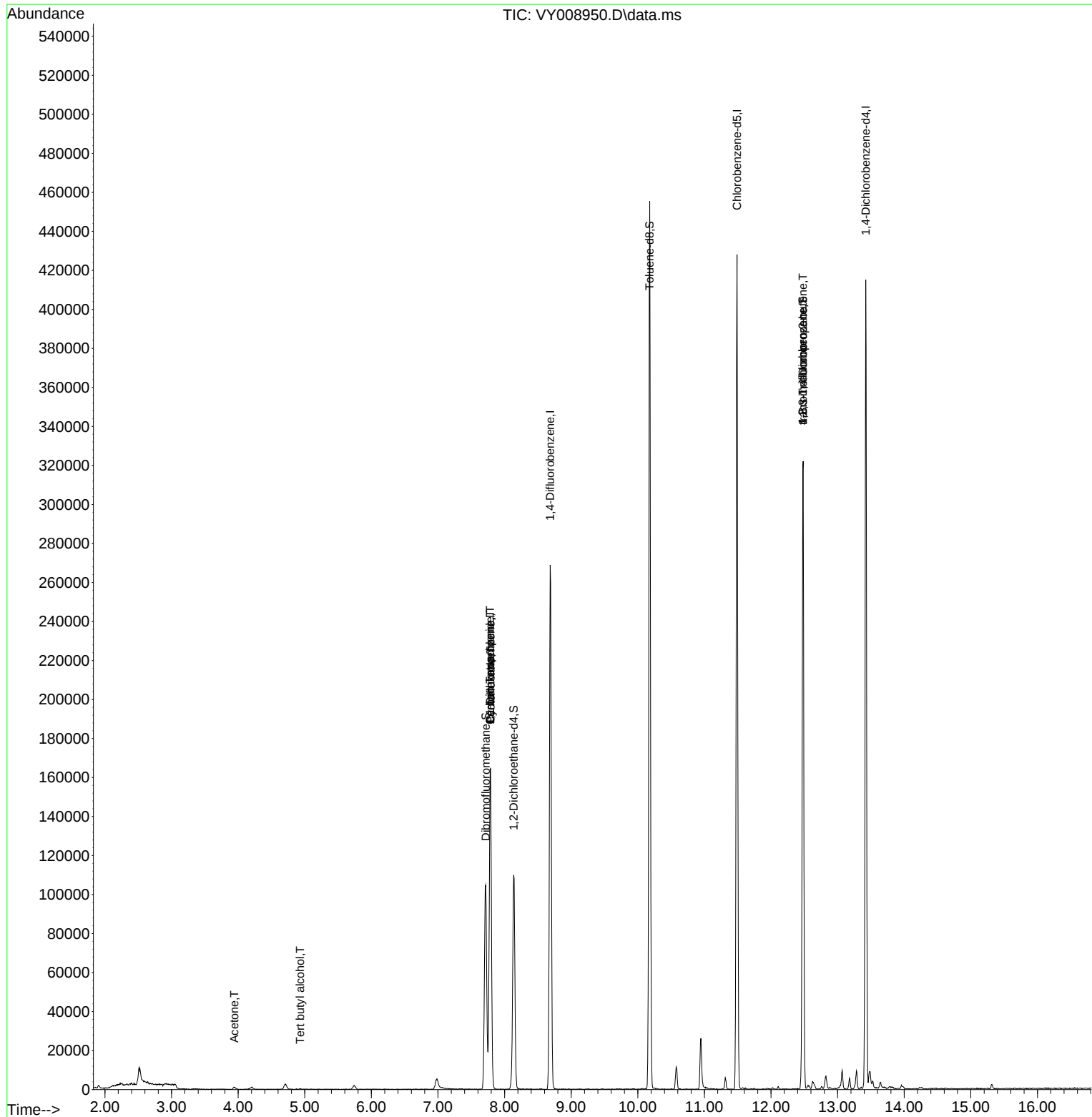
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 127857   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 229454   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 216413   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 97903    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 81208    | 61.714    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 123.420% |          |
| 35) Dibromofluoromethane      | 7.715  | 113   | 72613    | 50.891    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 101.780% |          |
| 50) Toluene-d8                | 10.178 | 98    | 286102   | 54.353    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 108.700% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 85942    | 40.474    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 80.940%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.929  | 59    | 238      | 1.783     | ug/l #     | 77       |
| 16) Acetone                   | 3.942  | 43    | 1919     | 7.006     | ug/l #     | 88       |
| 20) Methylene Chloride        | 4.710  | 84    | 1856     | Below Cal | #          | 92       |
| 31) Cyclohexane               | 7.789  | 56    | 3186     | 1.238     | ug/l #     | 2        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 11037    | 4.545     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 12632    | 4.973     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 49419    | 47.005    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 49419    | 96.477    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

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

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Sample : N2919-15  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

Quant Time: May 21 21:30:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

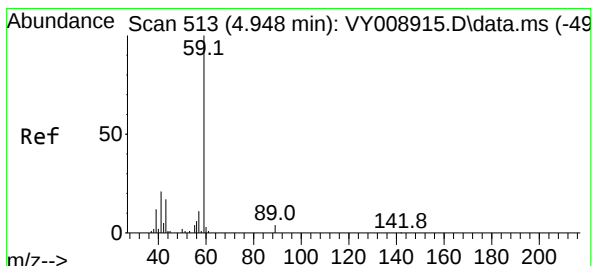
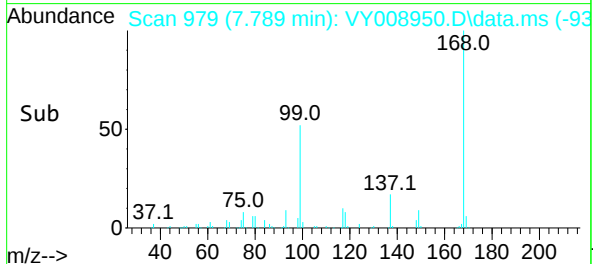
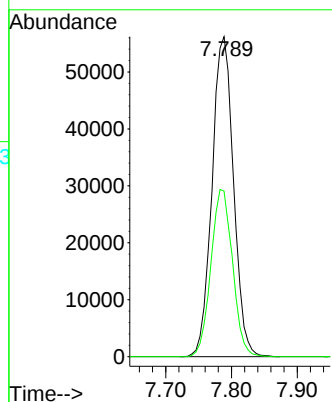
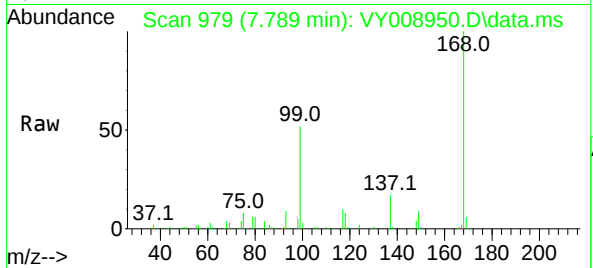




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

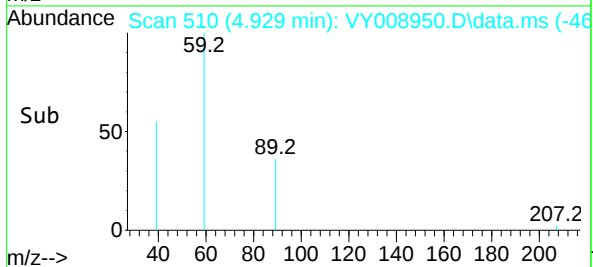
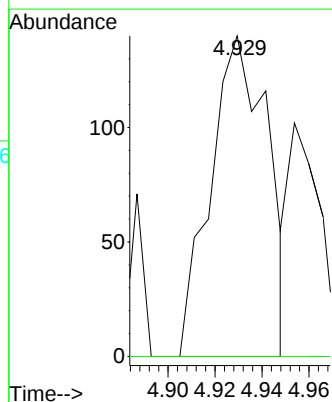
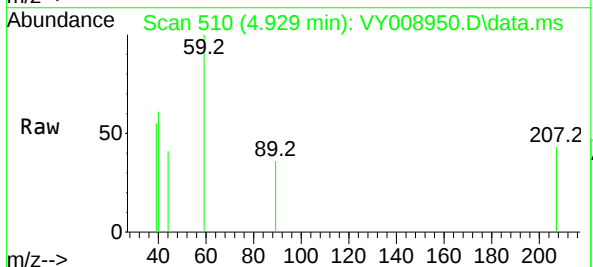
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

Tgt Ion:168 Resp: 127857  
Ion Ratio Lower Upper  
168 100  
99 51.8 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 1.783 ug/l  
RT: 4.929 min Scan# 510  
Delta R.T. -0.019 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 59 Resp: 238  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

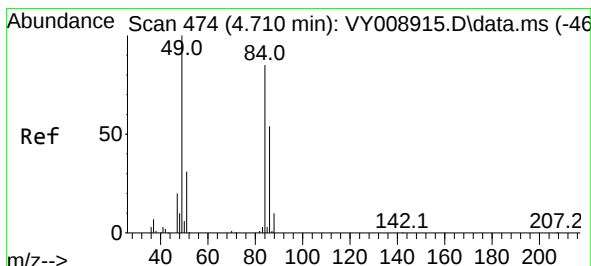
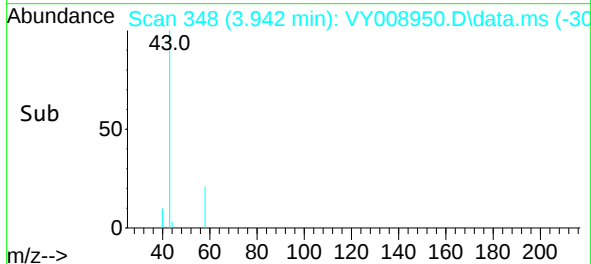
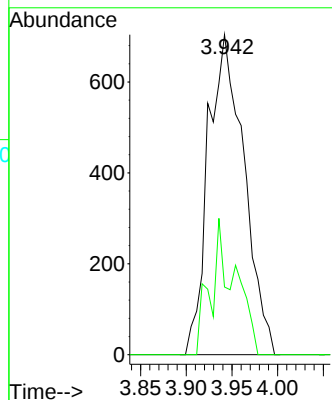
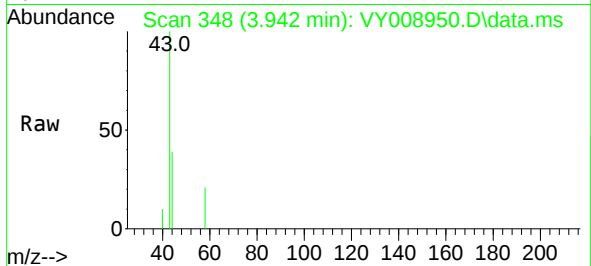




#16  
Acetone  
Concen: 7.006 ug/l  
RT: 3.942 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

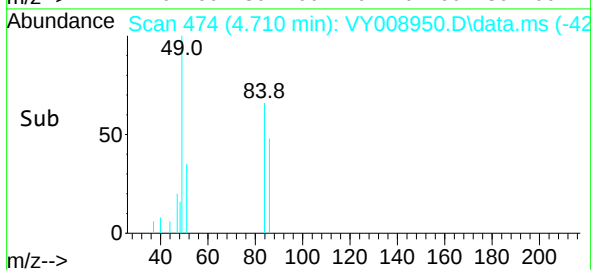
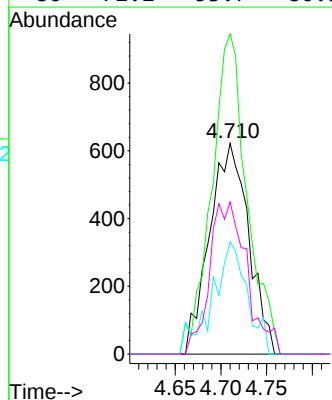
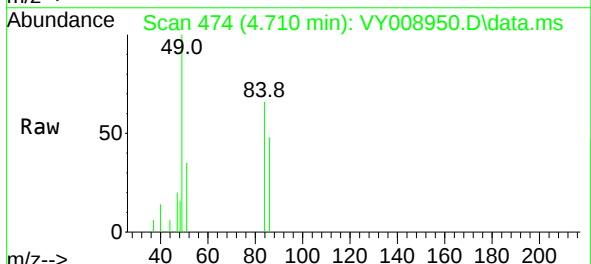
Instrument :  
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ClientSampleId :  
P013-SS004-0006-01

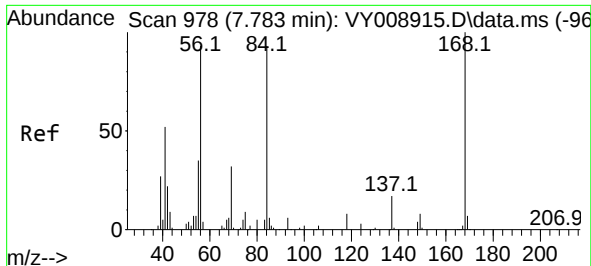
Tgt Ion: 43 Resp: 1919  
Ion Ratio Lower Upper  
43 100  
58 21.2 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.000 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 84 Resp: 1856  
Ion Ratio Lower Upper  
84 100  
49 151.9 114.4 171.6  
51 53.2 35.3 52.9#  
86 72.2 53.7 80.5

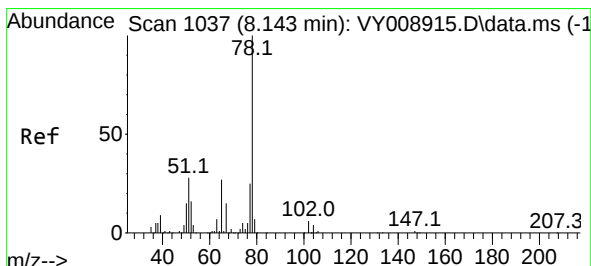
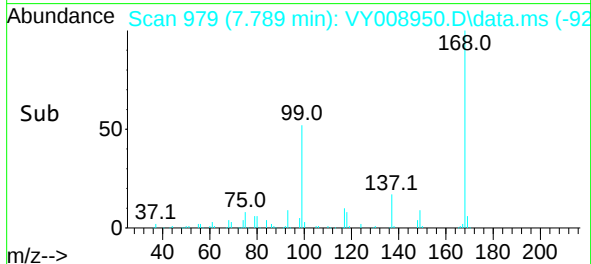
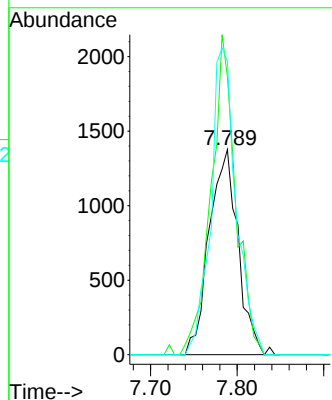
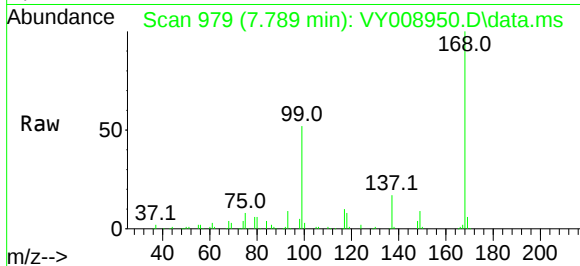




#31  
Cyclohexane  
Concen: 1.238 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

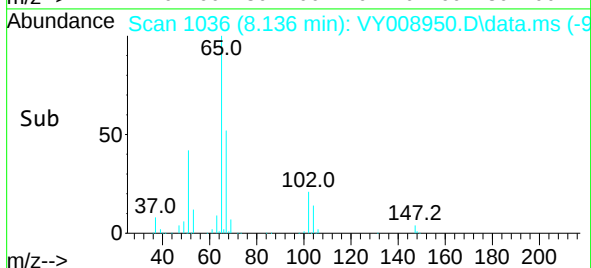
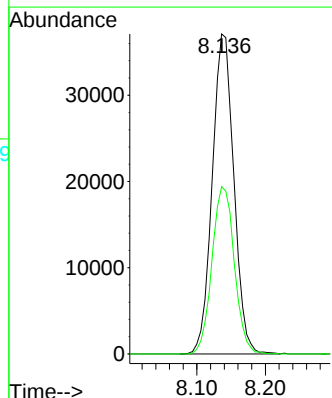
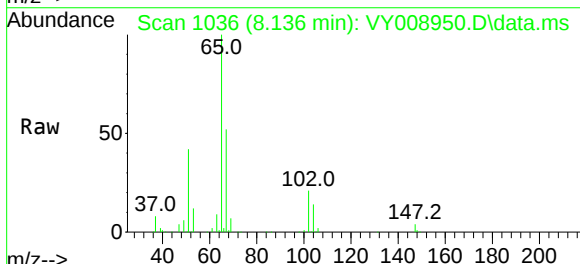
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

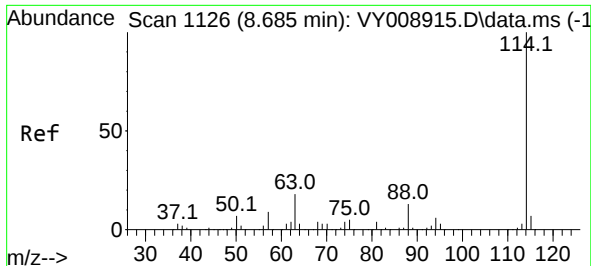
Tgt Ion: 56 Resp: 3186  
Ion Ratio Lower Upper  
56 100  
69 135.5 26.7 40.1#  
84 143.0 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 61.714 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 65 Resp: 81208  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 99.4

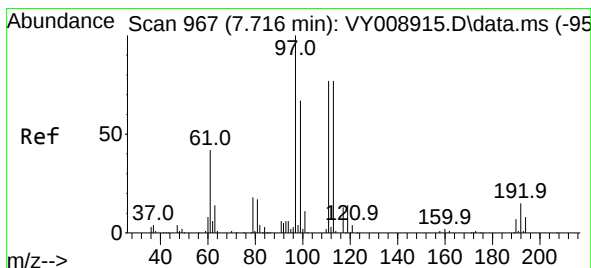
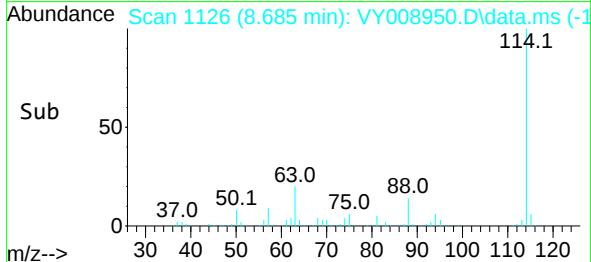
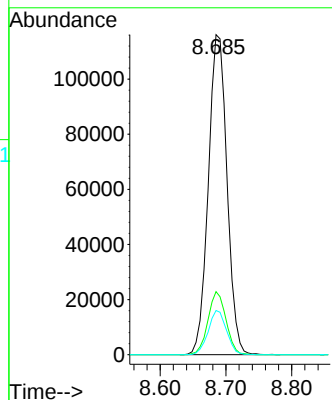
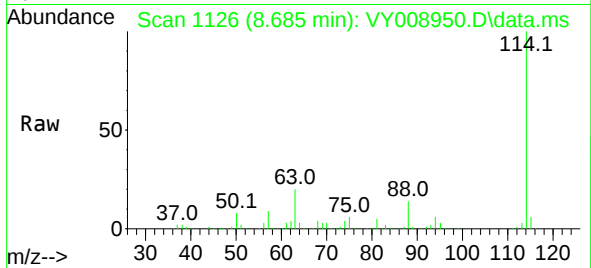




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

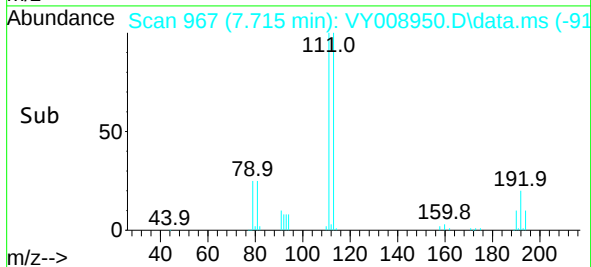
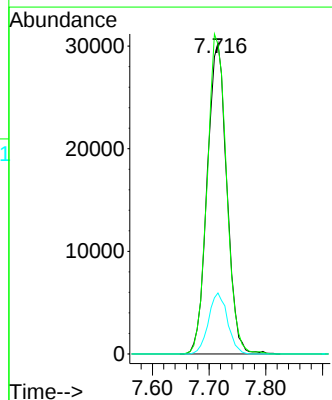
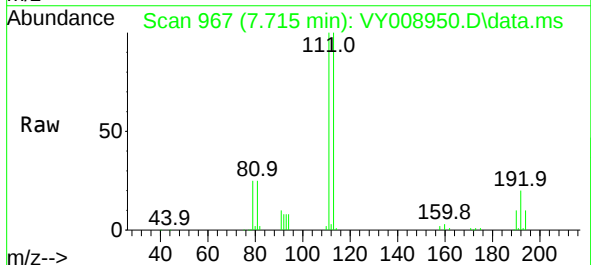
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

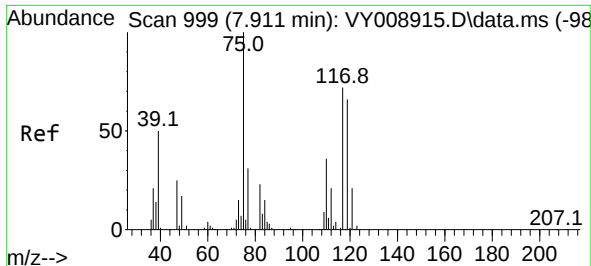
Tgt Ion:114 Resp: 229454  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 43.2  
88 13.8 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 50.891 ug/l  
RT: 7.715 min Scan# 967  
Delta R.T. -0.001 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion:113 Resp: 72613  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.6 124.0  
192 19.0 17.6 26.4

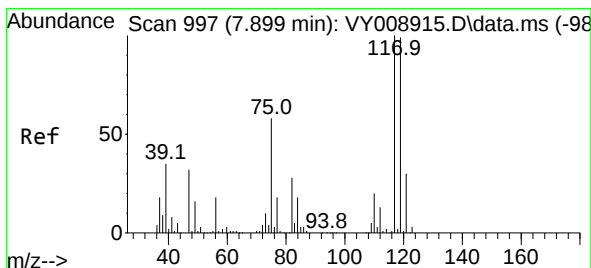
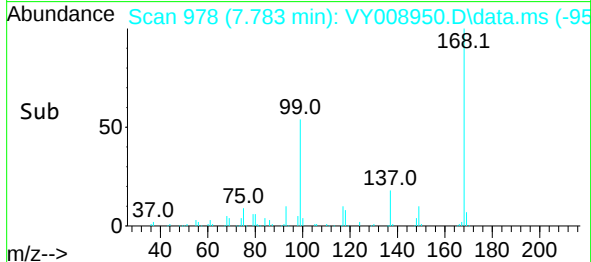
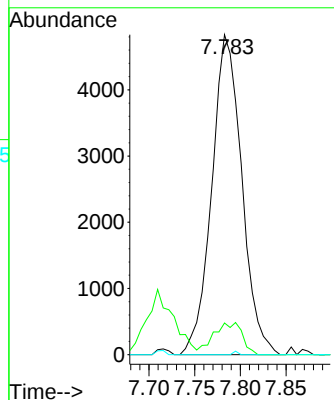
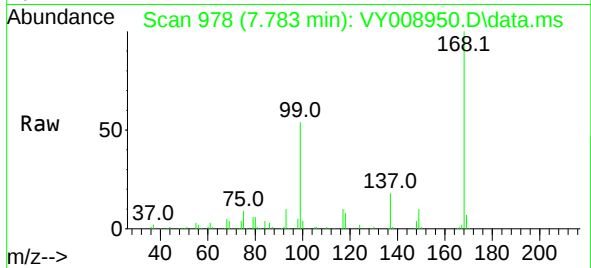




#36  
1,1-Dichloropropene  
Concen: 4.545 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

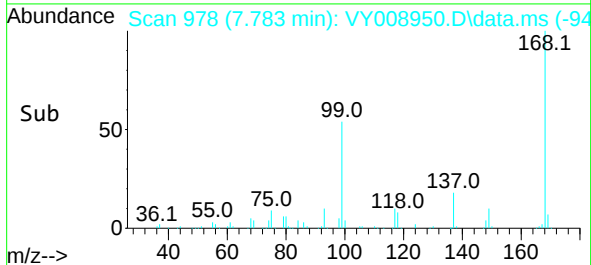
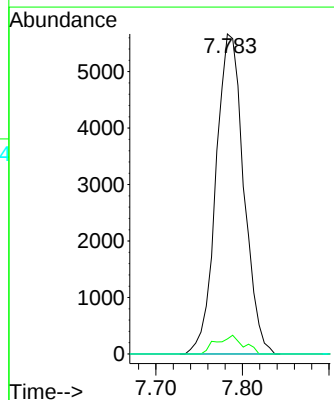
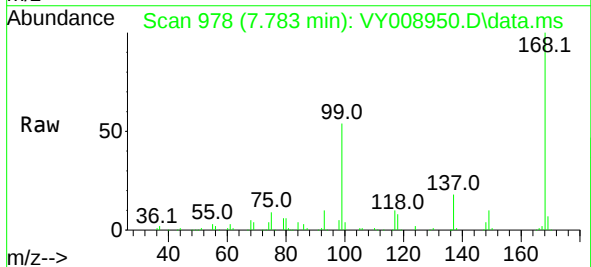
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

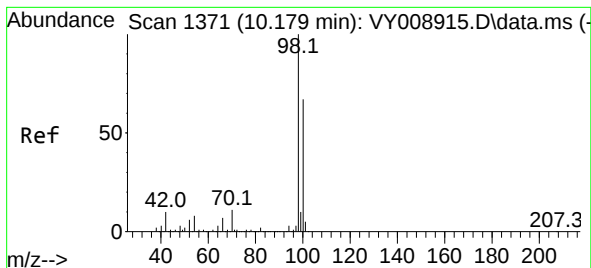
Tgt Ion: 75 Resp: 11037  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.1 51.2#  
77 0.2 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.973 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.116 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 117 Resp: 12632  
Ion Ratio Lower Upper  
117 100  
119 4.7 77.9 116.9#  
121 0.0 24.8 37.2#

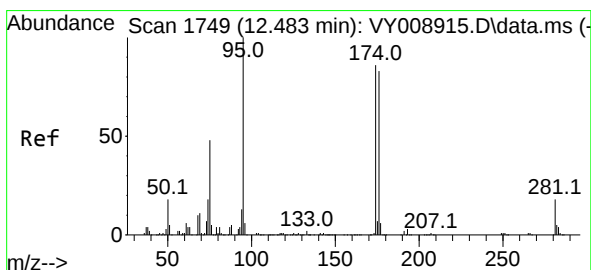
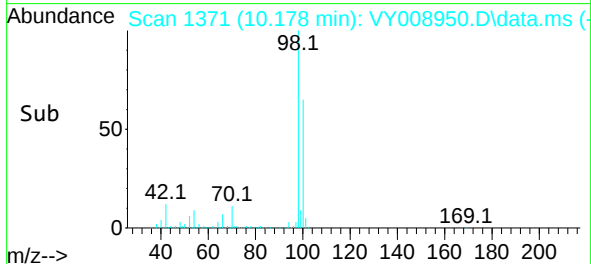
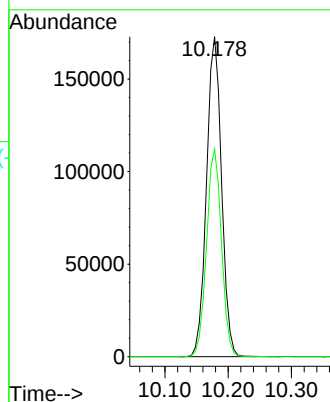
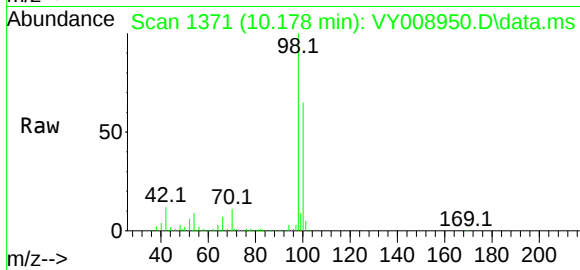




#50  
Toluene-d8  
Concen: 54.353 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

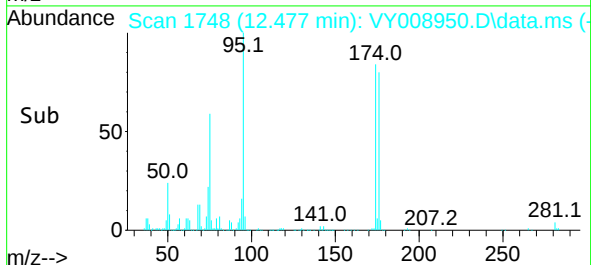
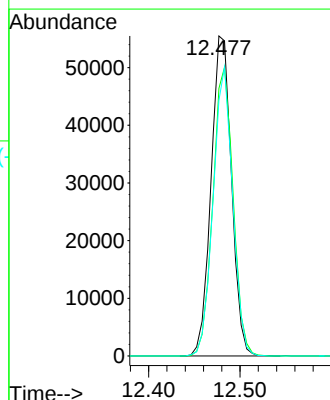
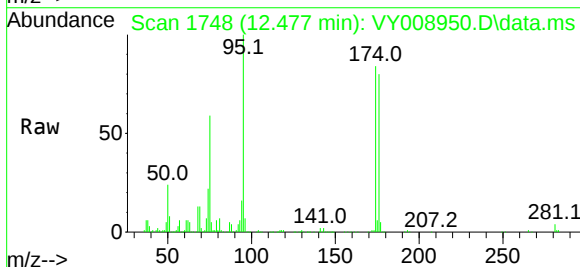
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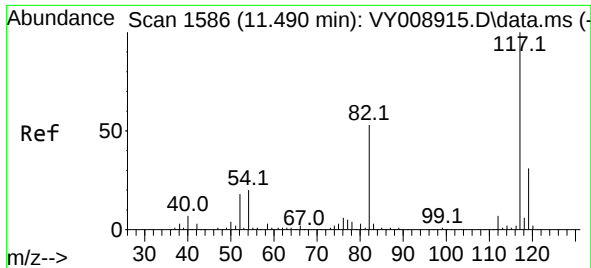
Tgt Ion: 98 Resp: 286102  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 40.474 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 95 Resp: 85942  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 177.0  
176 86.5 0.0 175.8

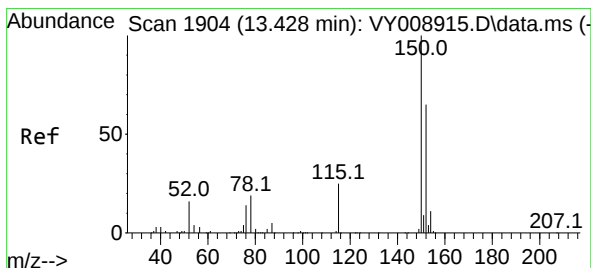
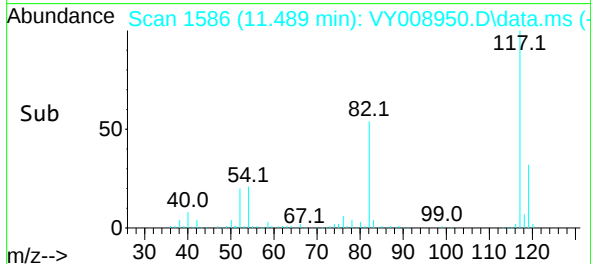
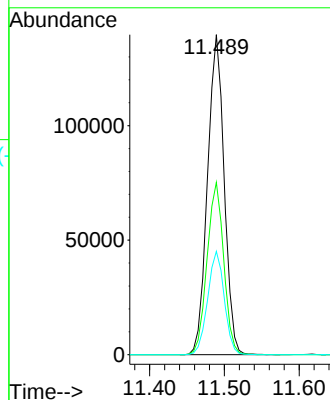
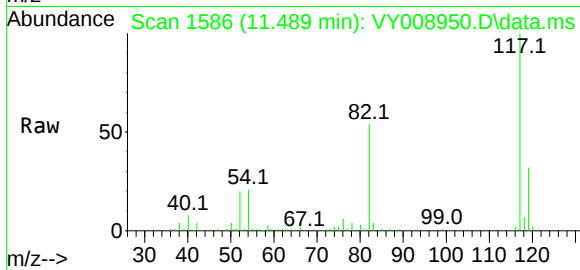




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

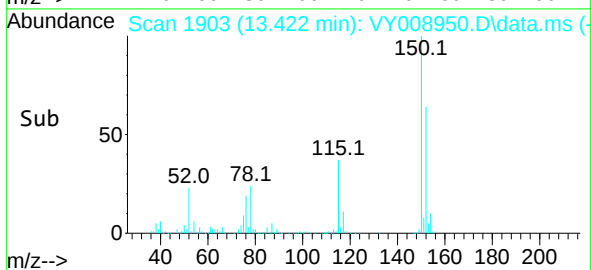
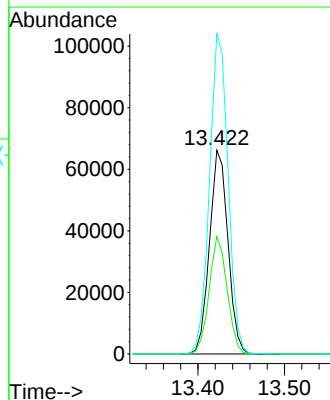
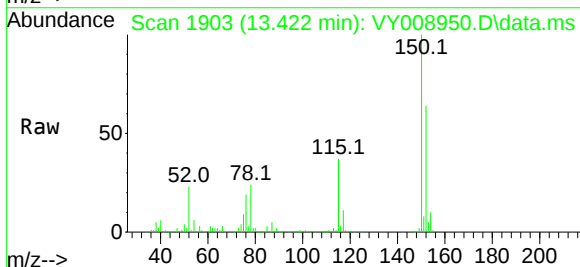
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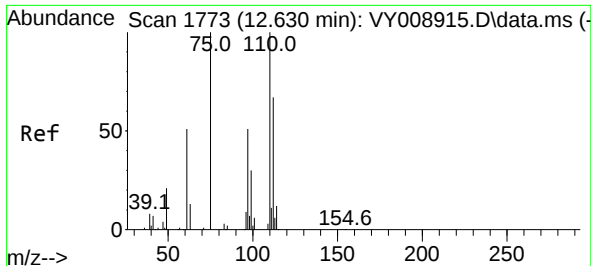
Tgt Ion:117 Resp: 216413  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.4  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion:152 Resp: 97903  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.2 84.7  
150 158.5 0.0 347.6

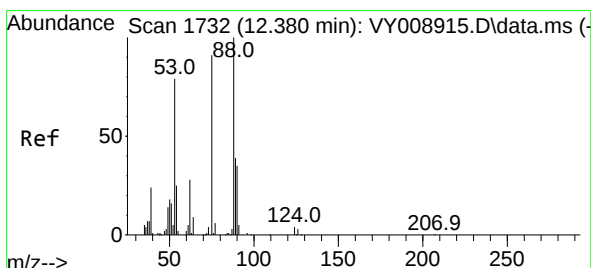
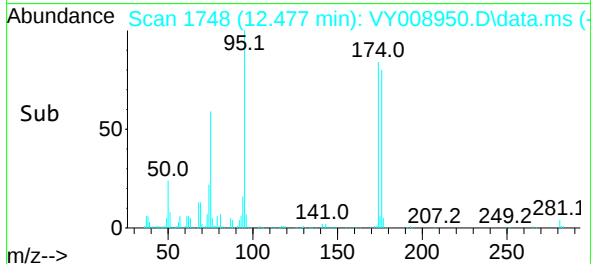
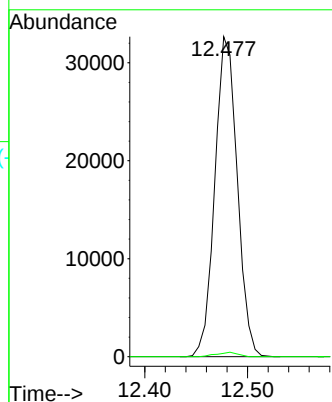
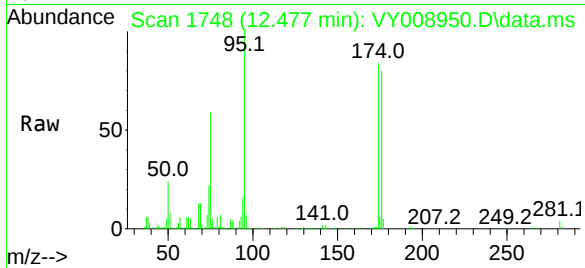




#76  
1,2,3-Trichloropropane  
Concen: 47.005 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS004-0006-01

Tgt Ion: 75 Resp: 49419  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.477 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY008950.D  
Acq: 21 May 2022 15:26

Tgt Ion: 75 Resp: 49419  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

