

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
 Data File : VY008987.D  
 Acq On : 22 May 2022 07:22  
 Operator : KP/MD  
 Sample : N2887-20  
 Misc : 5.95g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P040-SS001-1824-01

Quant Time: May 23 02:27:54 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

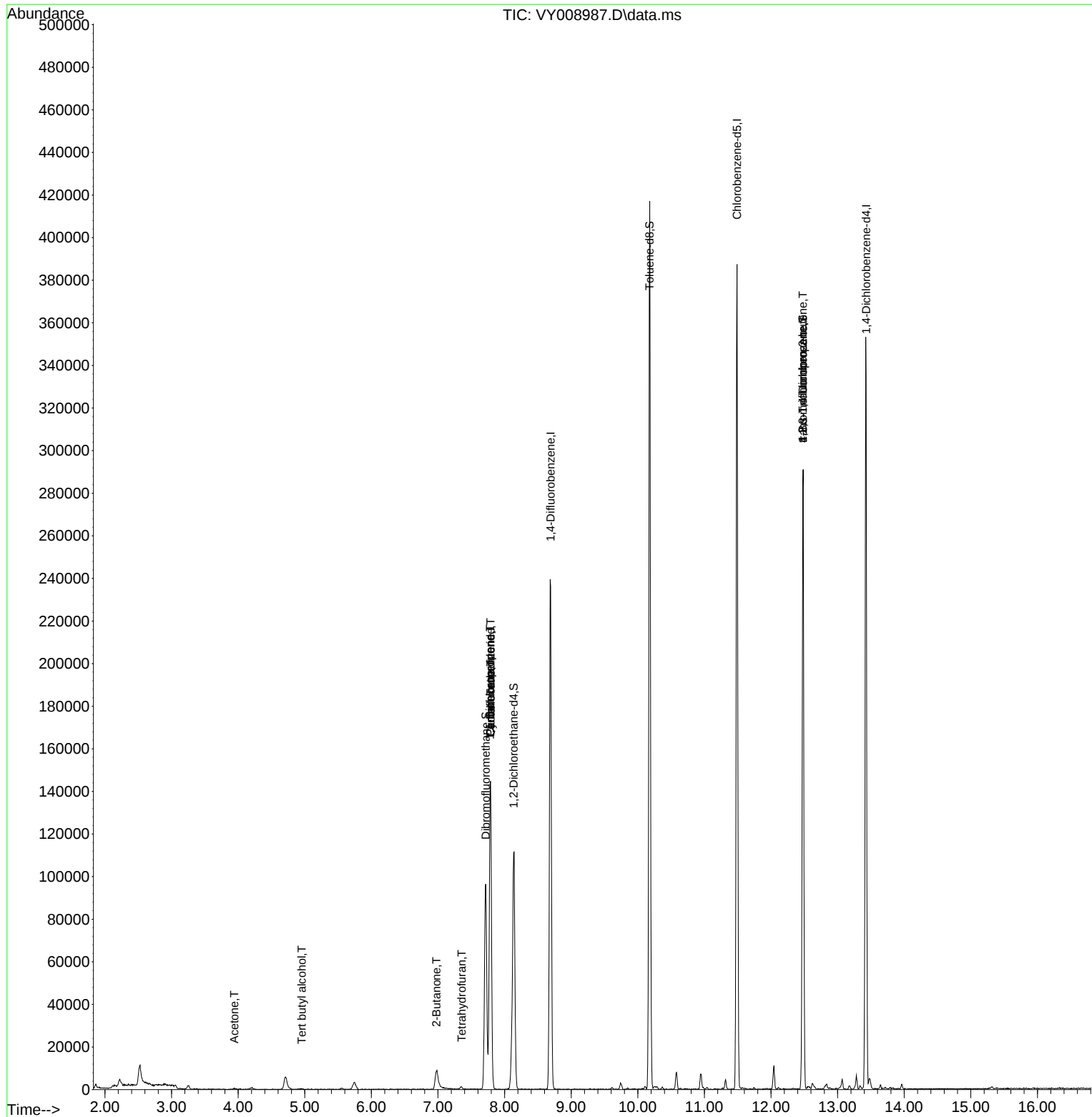
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 113069   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 204274   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 199008   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 85699    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 74903    | 64.367    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 128.740% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 66443    | 52.307    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 104.620% |          |
| 50) Toluene-d8                | 10.179 | 98    | 261470   | 55.796    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 111.600% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 77562    | 41.030    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 82.060%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.954  | 59    | 481      | 4.075     | ug/l #     | 77       |
| 16) Acetone                   | 3.942  | 43    | 827      | 3.414     | ug/l       | 99       |
| 20) Methylene Chloride        | 4.716  | 84    | 4475     | Below Cal | #          | 82       |
| 25) 2-Butanone                | 6.978  | 43    | 443      | 1.024     | ug/l #     | 54       |
| 29) Tetrahydrofuran           | 7.356  | 42    | 827      | 2.814     | ug/l #     | 83       |
| 31) Cyclohexane               | 7.789  | 56    | 2857     | 1.255     | ug/l #     | 39       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 9789     | 4.528     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10952    | 4.843     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 44418    | 48.265    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 44418    | 99.063    | ug/l #     | 8        |
| -----                         |        |       |          |           |            |          |

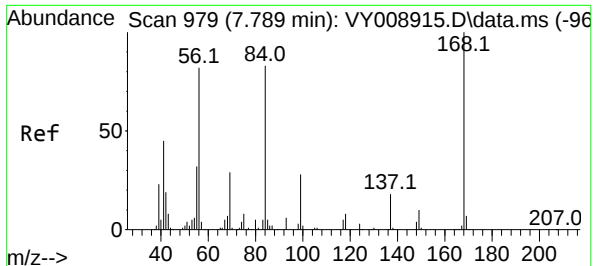
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
Data File : VY008987.D  
Acq On : 22 May 2022 07:22  
Operator : KP/MD  
Sample : N2887-20  
Misc : 5.95g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

Quant Time: May 23 02:27:54 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

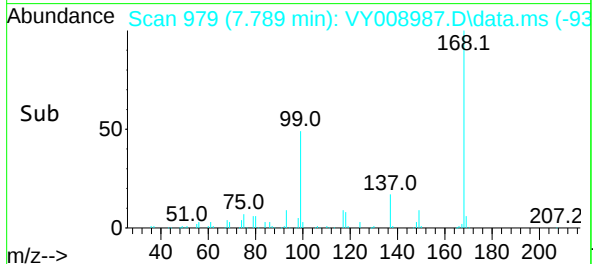
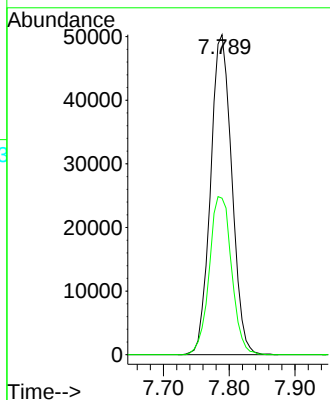
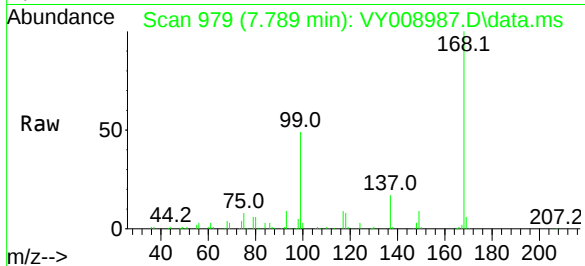




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

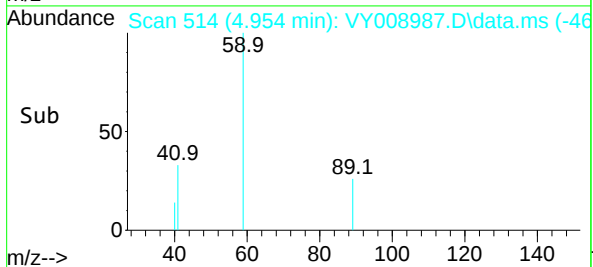
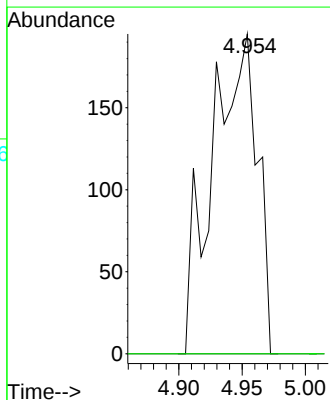
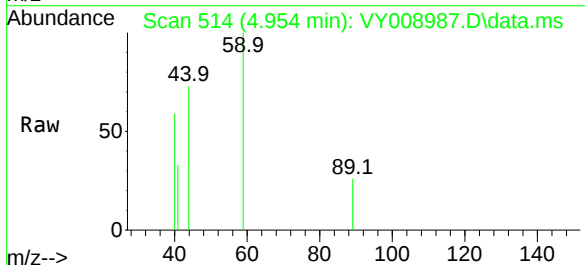
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

Tgt Ion:168 Resp: 113069  
Ion Ratio Lower Upper  
168 100  
99 48.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 4.075 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion: 59 Resp: 481  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

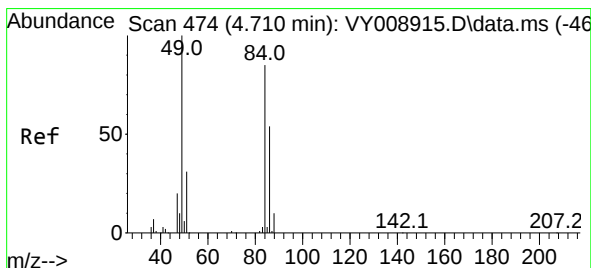
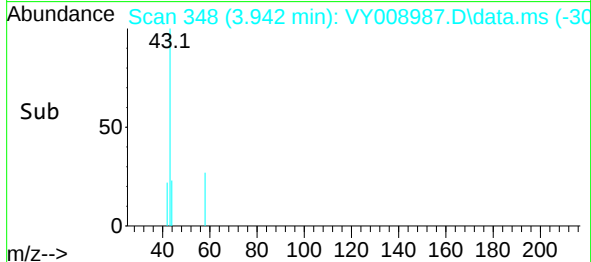
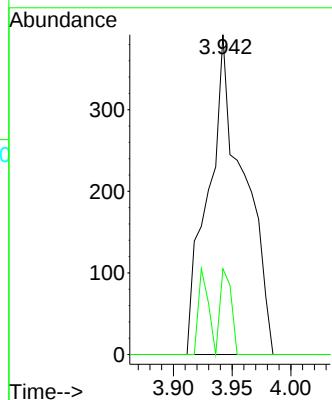
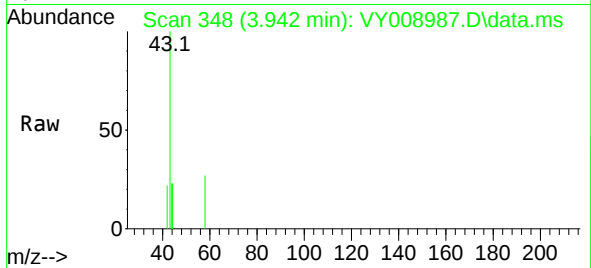




#16  
Acetone  
Concen: 3.414 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

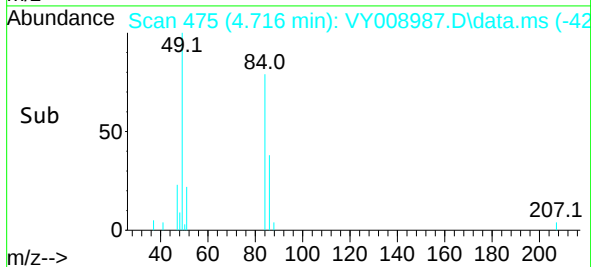
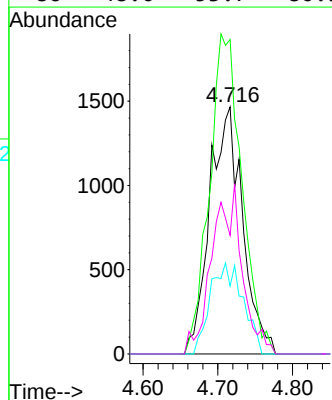
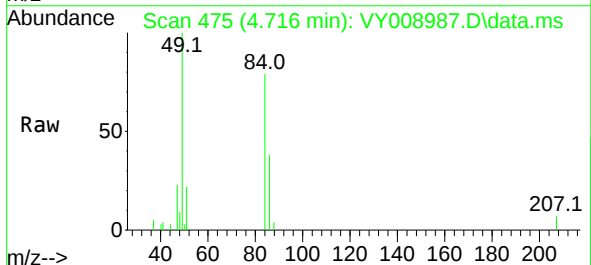
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

Tgt Ion: 43 Resp: 827  
Ion Ratio Lower Upper  
43 100  
58 26.8 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

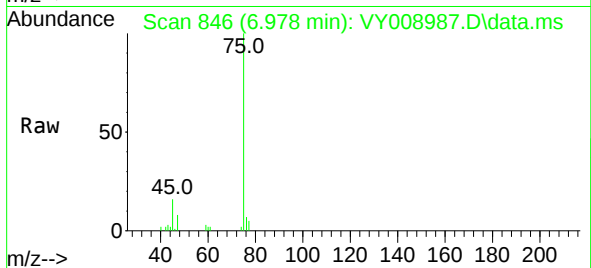
Tgt Ion: 84 Resp: 4475  
Ion Ratio Lower Upper  
84 100  
49 127.3 114.4 171.6  
51 27.5 35.3 52.9#  
86 48.0 53.7 80.5#



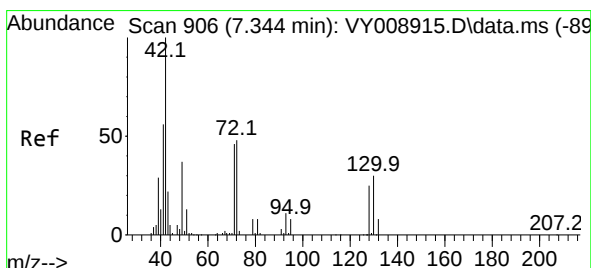
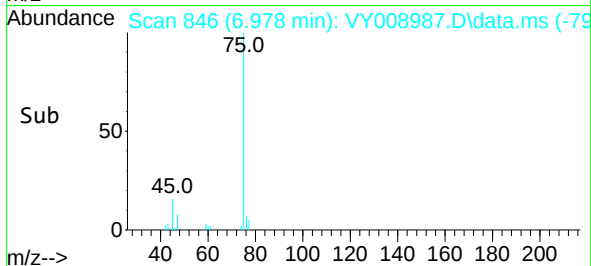
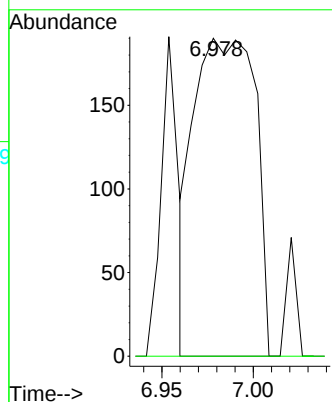


#25  
2-Butanone  
Concen: 1.024 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

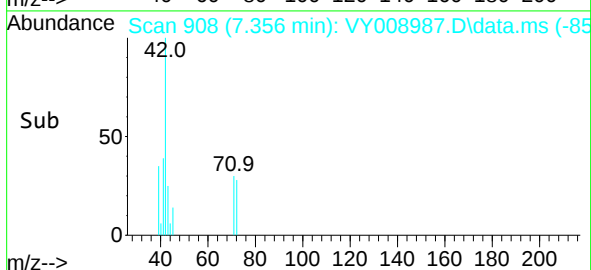
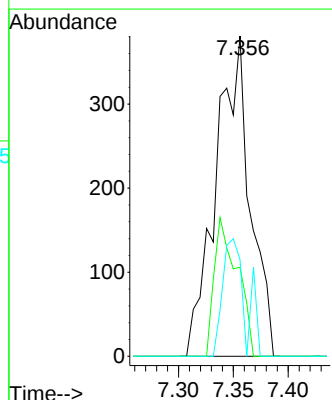
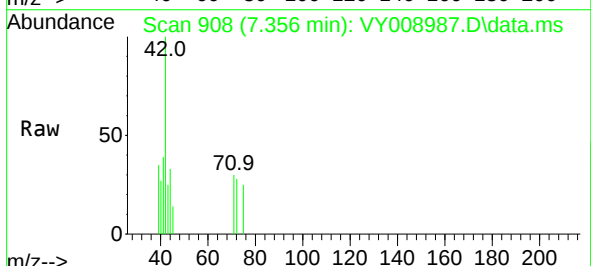


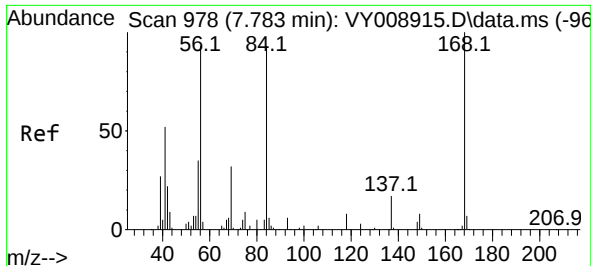
Tgt Ion: 43 Resp: 443  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#29  
Tetrahydrofuran  
Concen: 2.814 ug/l  
RT: 7.356 min Scan# 908  
Delta R.T. 0.012 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

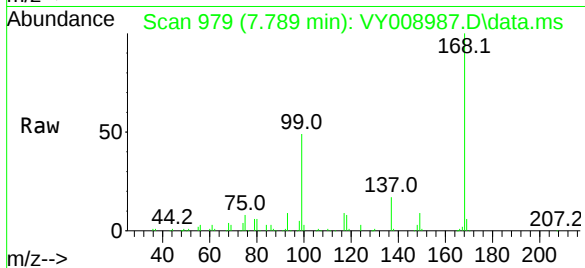
Tgt Ion: 42 Resp: 827  
Ion Ratio Lower Upper  
42 100  
72 29.1 30.3 45.5#  
71 24.2 29.0 43.4#



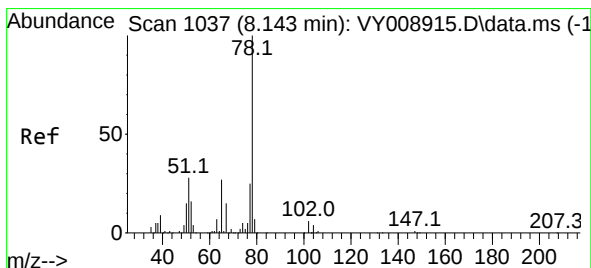
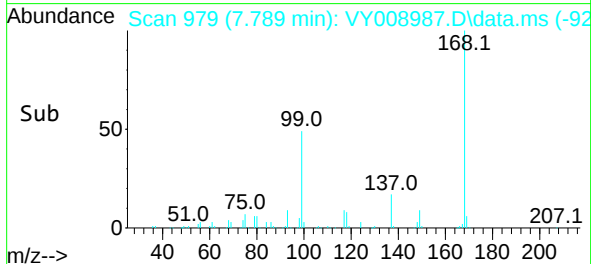
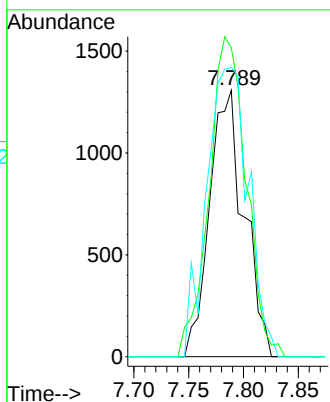


#31  
Cyclohexane  
Concen: 1.255 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

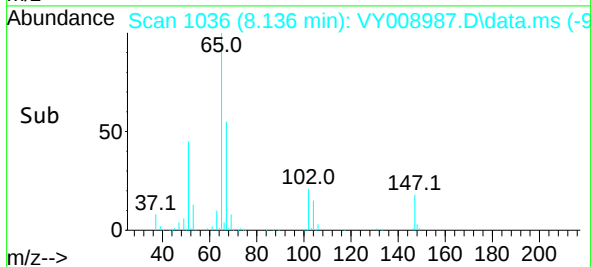
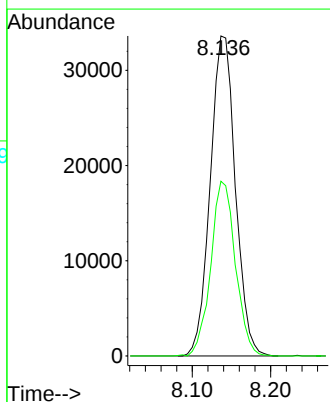
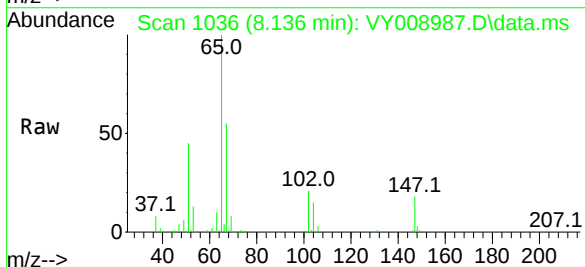


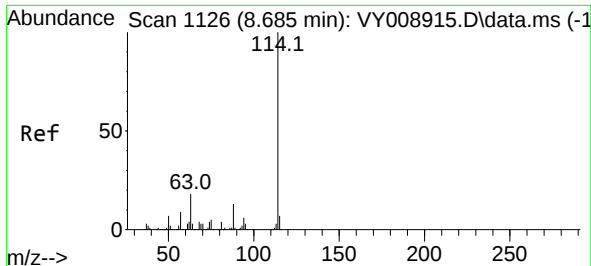
Tgt Ion: 56 Resp: 2857  
Ion Ratio Lower Upper  
56 100  
69 116.0 26.7 40.1#  
84 108.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 64.367 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion: 65 Resp: 74903  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 99.4

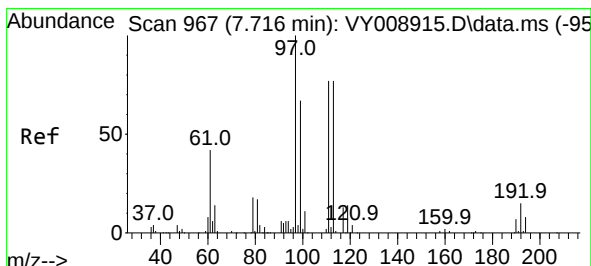
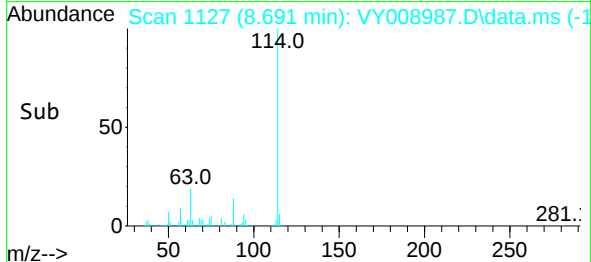
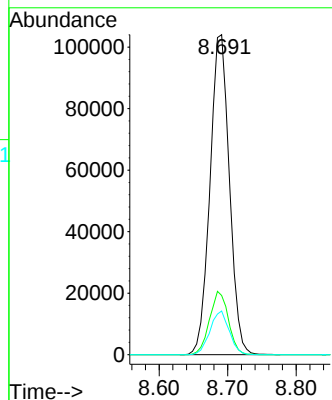
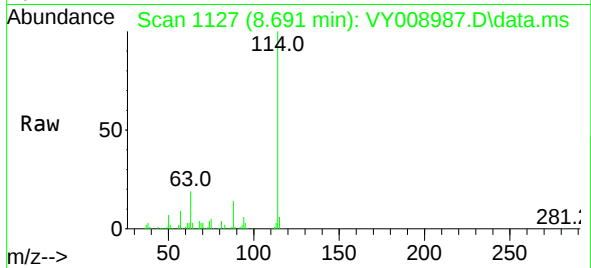




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

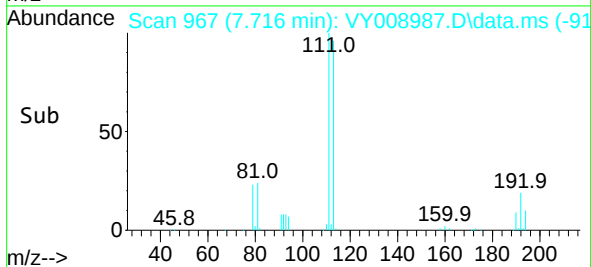
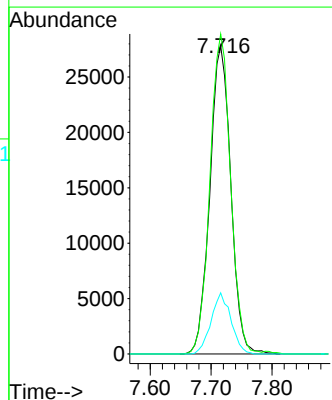
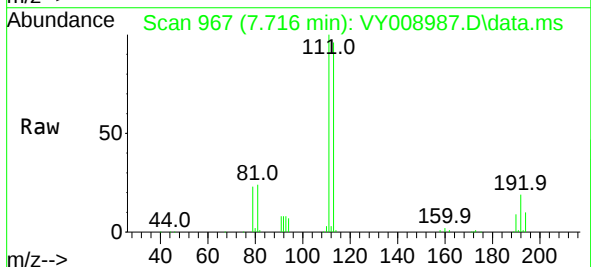
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

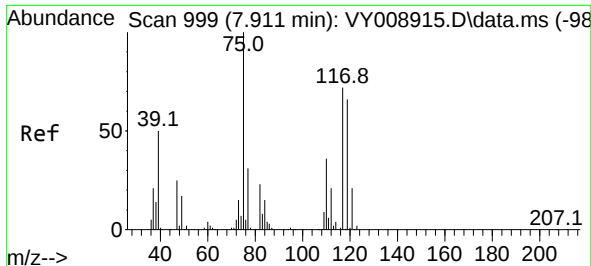
Tgt Ion:114 Resp: 204274  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 43.2  
88 13.7 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 52.307 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion:113 Resp: 66443  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 18.8 17.6 26.4

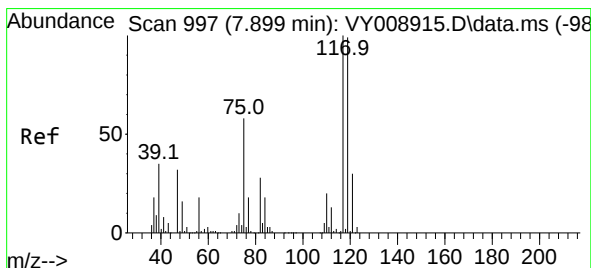
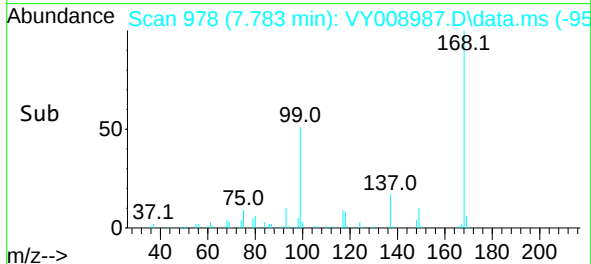
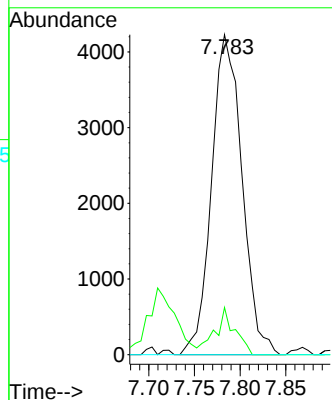
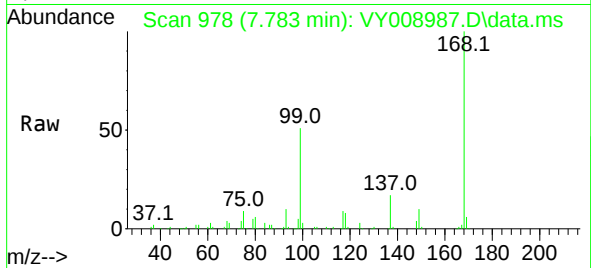




#36  
1,1-Dichloropropene  
Concen: 4.528 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

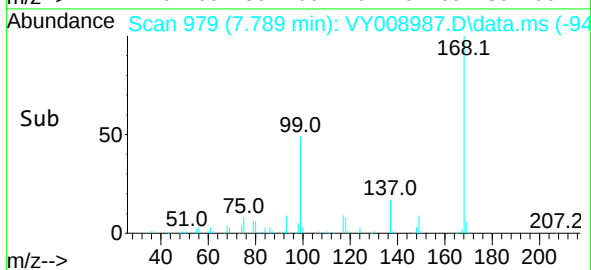
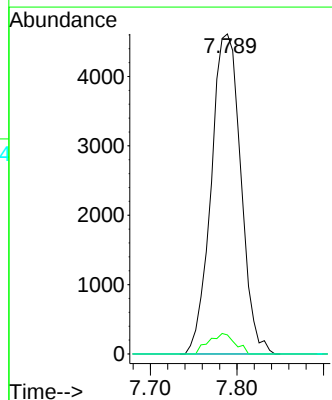
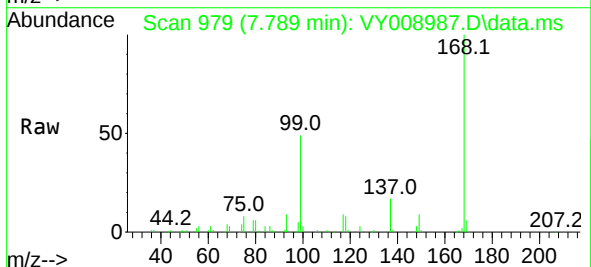
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

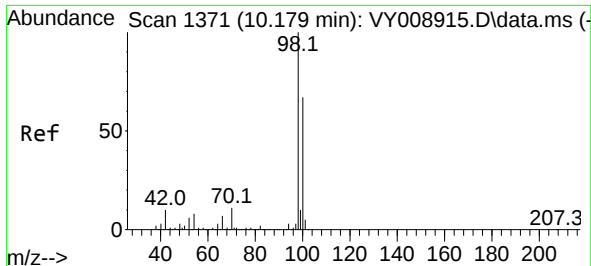
Tgt Ion: 75 Resp: 9789  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.843 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion: 117 Resp: 10952  
Ion Ratio Lower Upper  
117 100  
119 5.9 77.9 116.9#  
121 0.0 24.8 37.2#

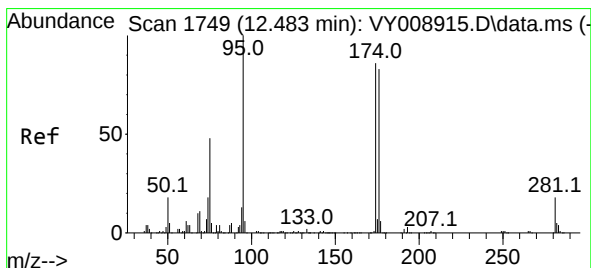
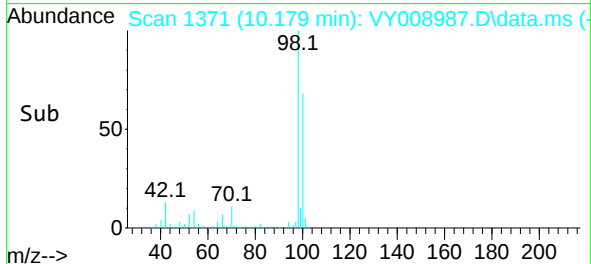
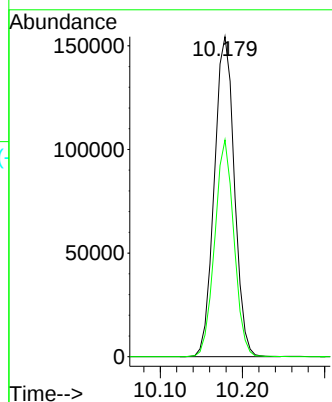
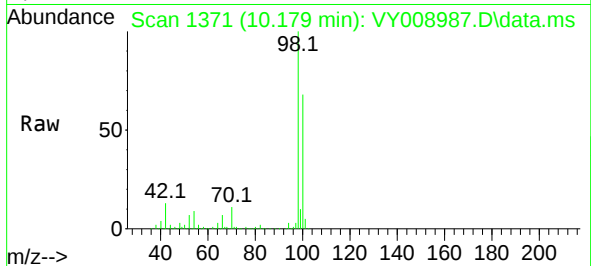




#50  
Toluene-d8  
Concen: 55.796 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

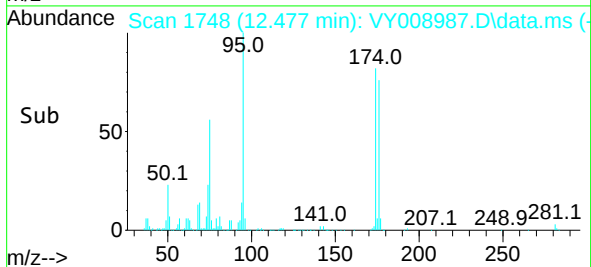
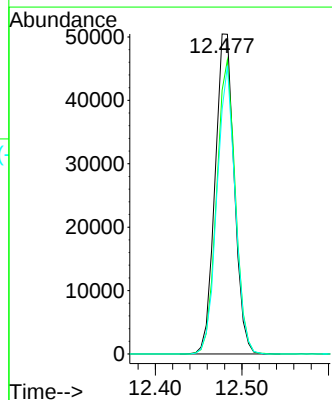
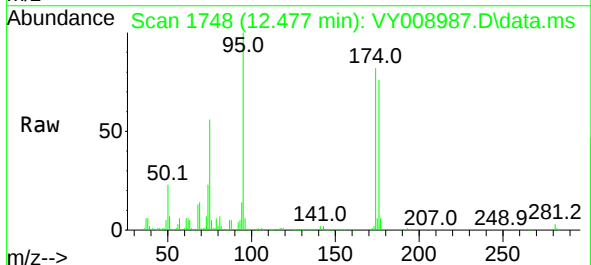
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

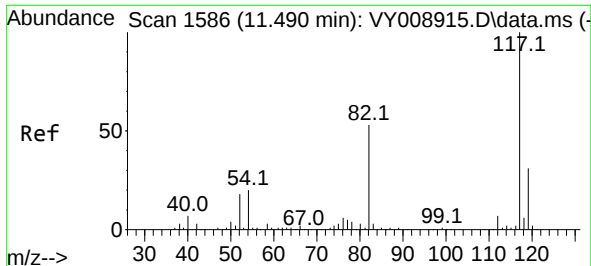
Tgt Ion: 98 Resp: 261470  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.030 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion: 95 Resp: 77562  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 177.0  
176 85.4 0.0 175.8

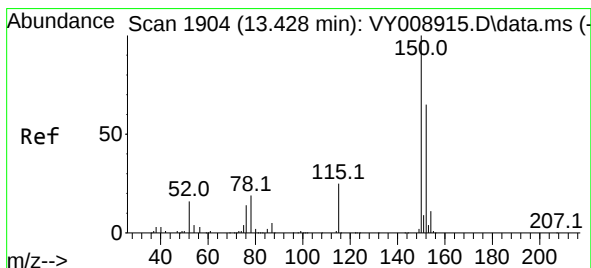
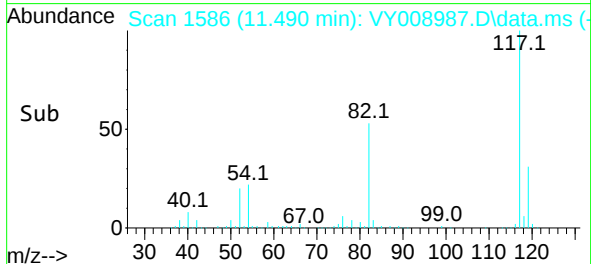
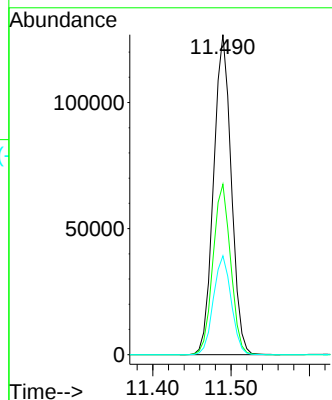
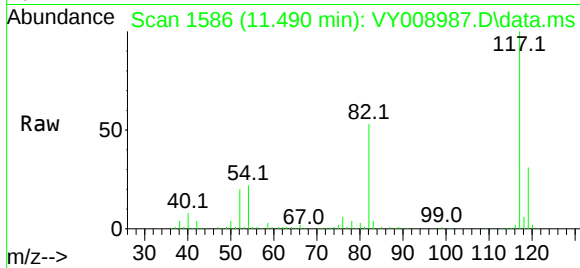




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

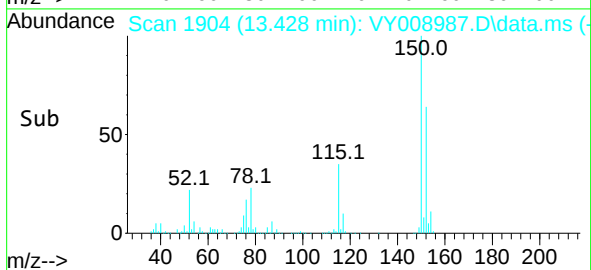
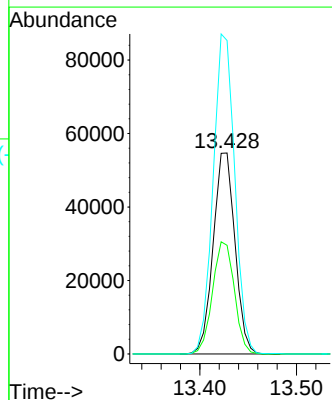
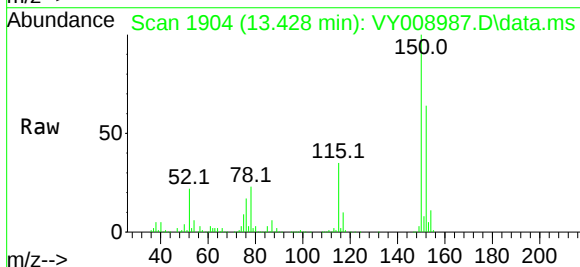
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

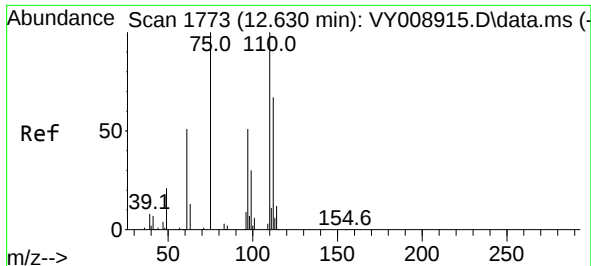
Tgt Ion:117 Resp: 199008  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.0 64.4  
119 30.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion:152 Resp: 85699  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.2 84.7  
150 157.4 0.0 347.6

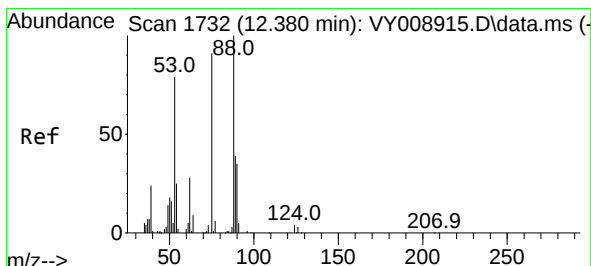
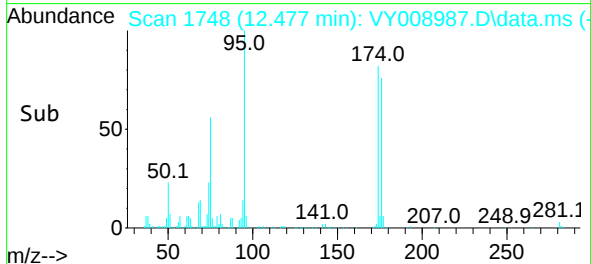
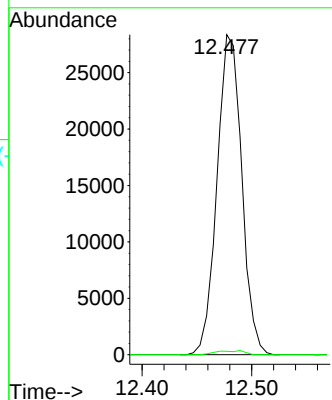
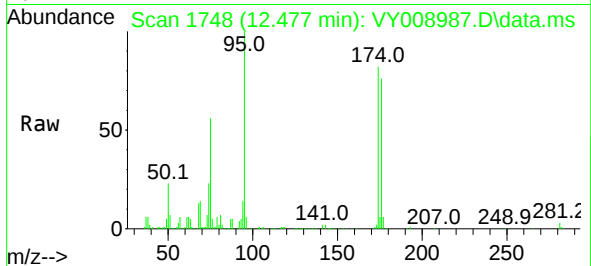




#76  
1,2,3-Trichloropropane  
Concen: 48.265 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1824-01

Tgt Ion: 75 Resp: 44418  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 99.063 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY008987.D  
Acq: 22 May 2022 07:22

Tgt Ion: 75 Resp: 44418  
Ion Ratio Lower Upper  
75 100  
53 0.4 85.3 127.9#  
89 0.0 37.0 55.4#

