

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
 Data File : VY008977.D  
 Acq On : 22 May 2022 03:27  
 Operator : KP/MD  
 Sample : N2887-10  
 Misc : 5.90g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P038-SS001-1824-01

Quant Time: May 22 04:49:16 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

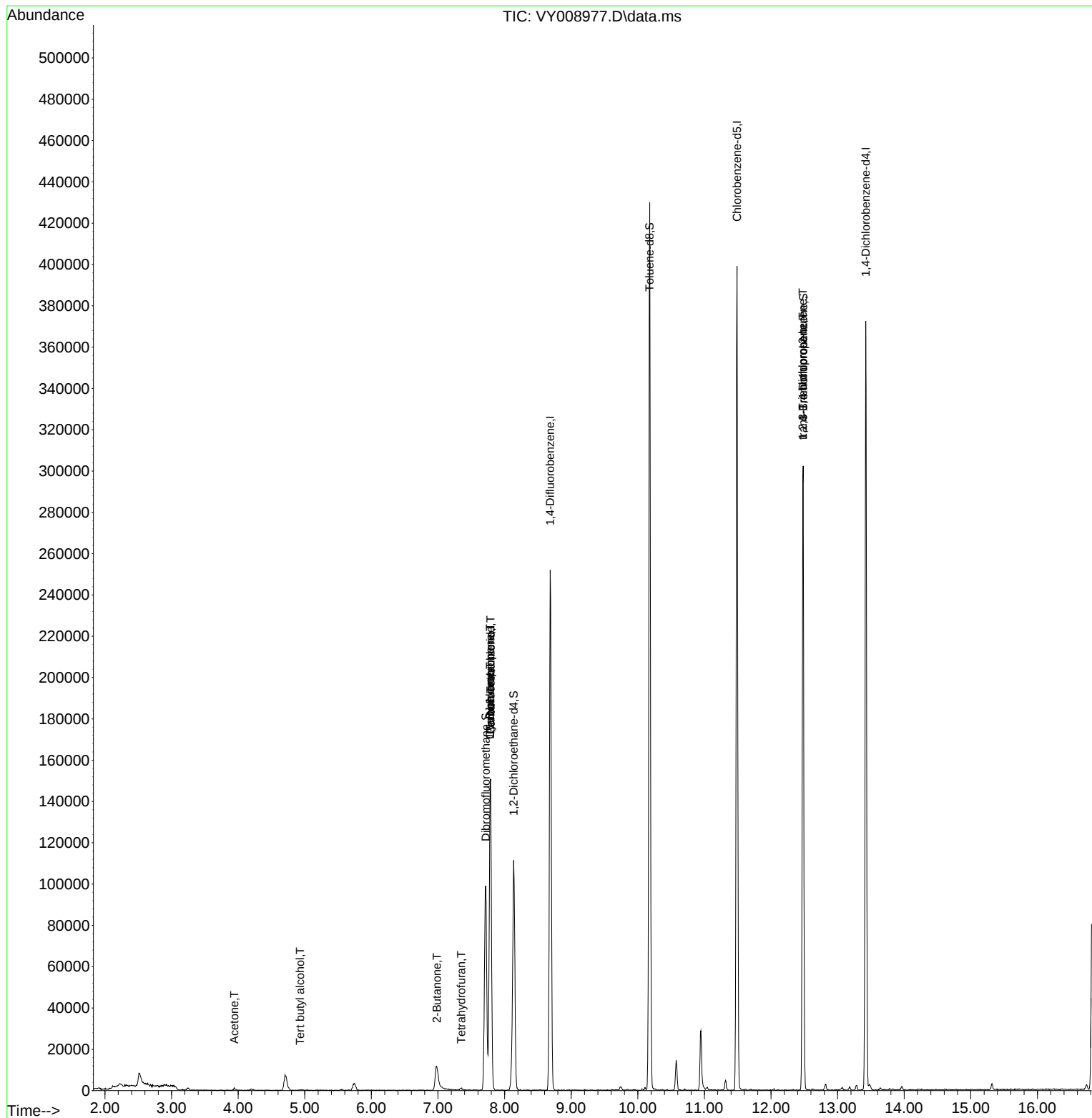
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 116872   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 211514   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 202961   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 86994    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 78283    | 65.083    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 130.160% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 68440    | 52.034    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 104.060% |          |
| 50) Toluene-d8                | 10.179 | 98    | 265297   | 54.675    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 109.340% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 79341    | 40.535    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 81.060%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.930  | 59    | 310      | 2.541     | ug/l #     | 77       |
| 16) Acetone                   | 3.942  | 43    | 1429     | 5.707     | ug/l       | 98       |
| 20) Methylene Chloride        | 4.704  | 84    | 5184     | Below Cal | #          | 84       |
| 25) 2-Butanone                | 6.984  | 43    | 819      | 1.831     | ug/l #     | 54       |
| 29) Tetrahydrofuran           | 7.350  | 42    | 596      | 1.962     | ug/l #     | 71       |
| 31) Cyclohexane               | 7.783  | 56    | 2974     | 1.264     | ug/l #     | 28       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 10061    | 4.495     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 11466    | 4.897     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 46155    | 49.405    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 46155    | 101.405   | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

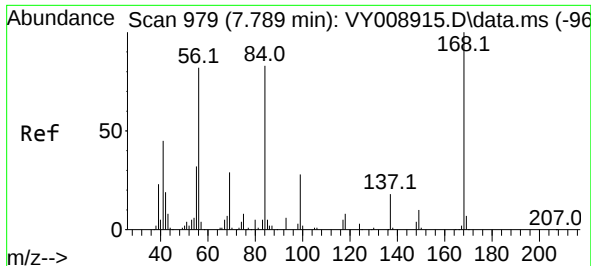
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
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Sample : N2887-10  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
P038-SS001-1824-01

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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

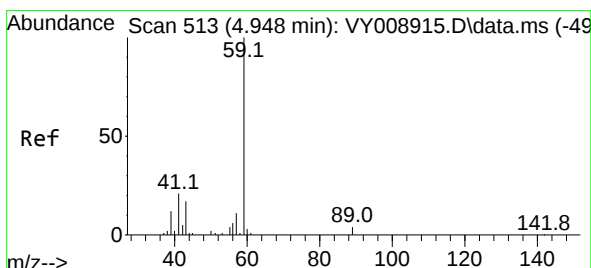
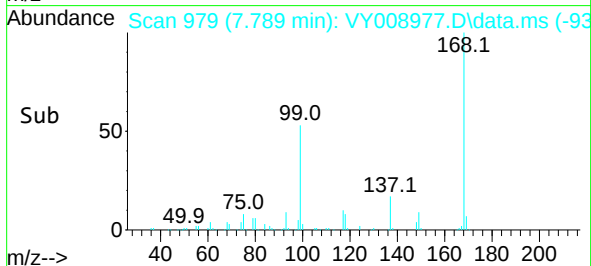
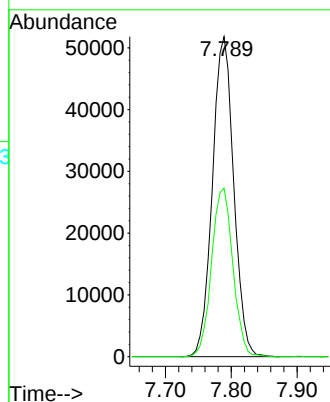
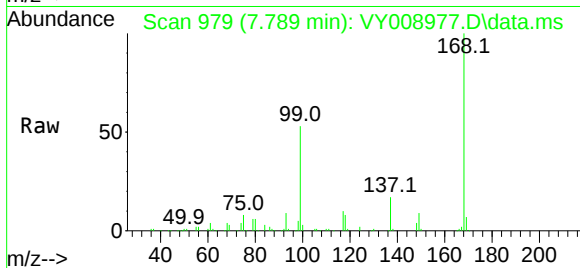




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

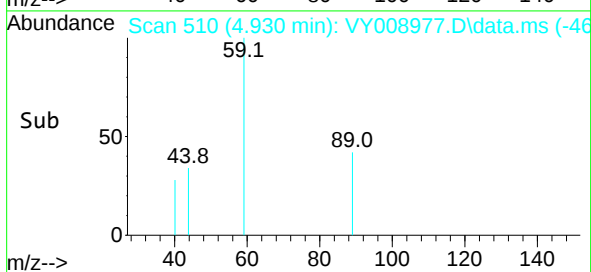
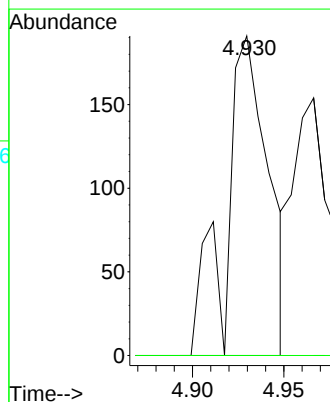
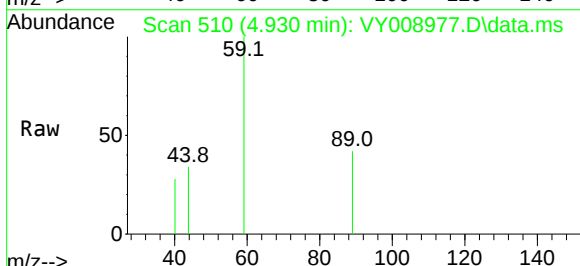
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P038-SS001-1824-01

Tgt Ion:168 Resp: 116872  
Ion Ratio Lower Upper  
168 100  
99 52.7 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 2.541 ug/l  
RT: 4.930 min Scan# 510  
Delta R.T. -0.018 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 59 Resp: 310  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

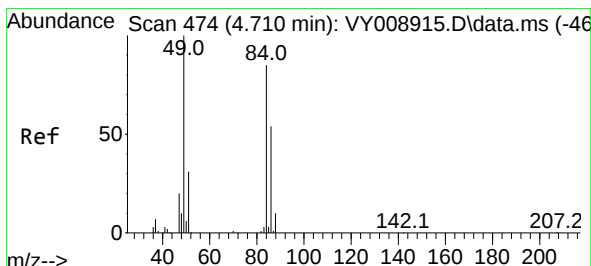
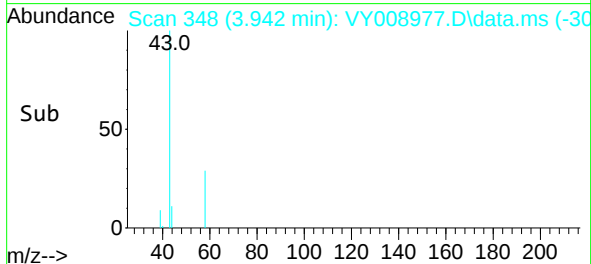
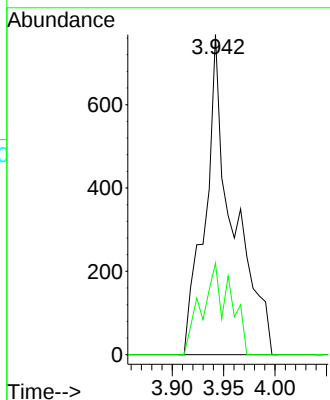
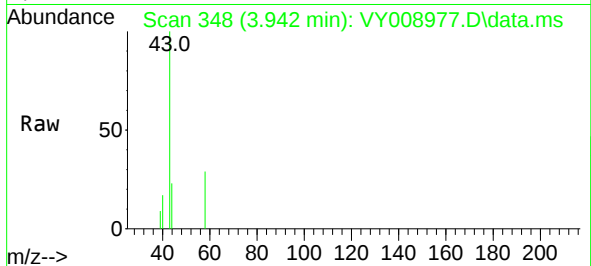




#16  
Acetone  
Concen: 5.707 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

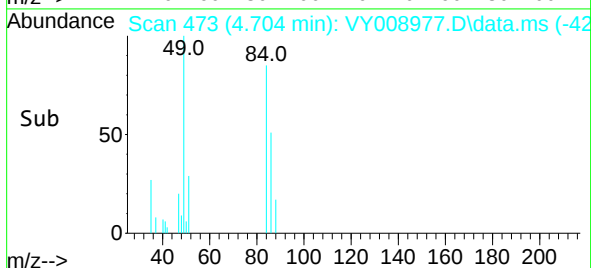
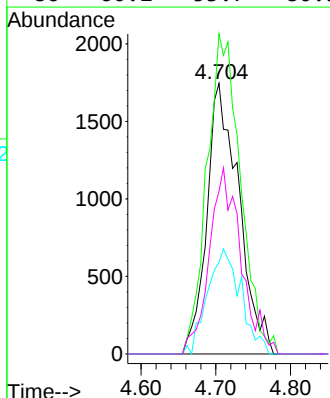
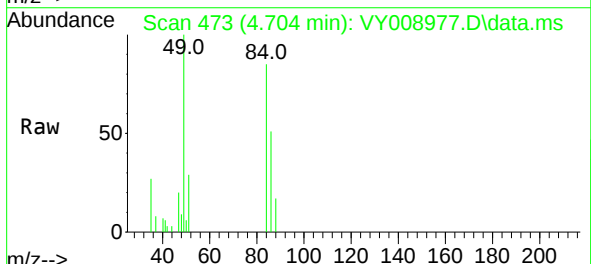
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P038-SS001-1824-01

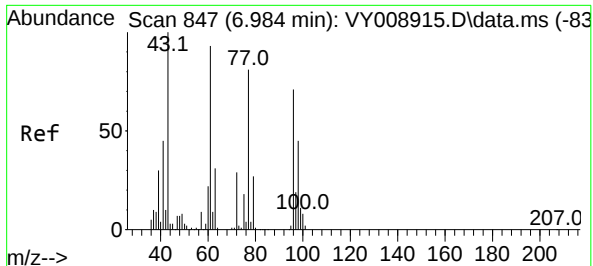
Tgt Ion: 43 Resp: 1429  
Ion Ratio Lower Upper  
43 100  
58 28.6 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 84 Resp: 5184  
Ion Ratio Lower Upper  
84 100  
49 118.3 114.4 171.6  
51 33.9 35.3 52.9#  
86 60.2 53.7 80.5





#25

2-Butanone

Concen: 1.831 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY008977.D

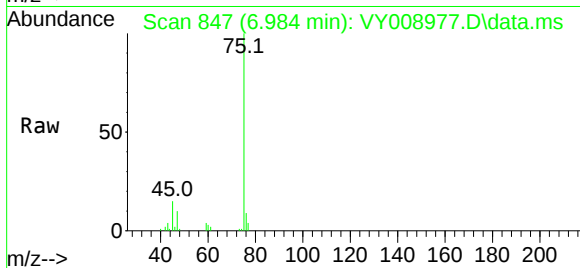
Acq: 22 May 2022 03:27

Instrument :

MSVOA\_Y

ClientSampleId :

P038-SS001-1824-01

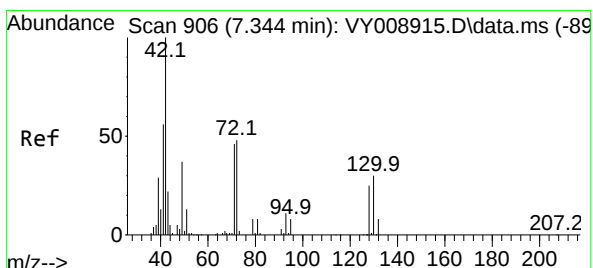
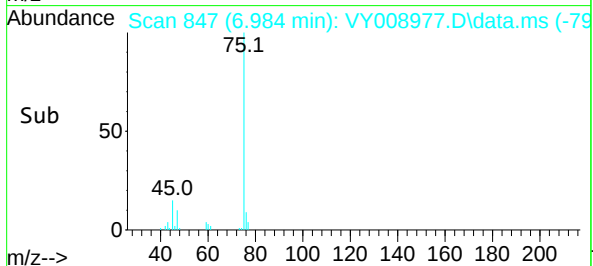
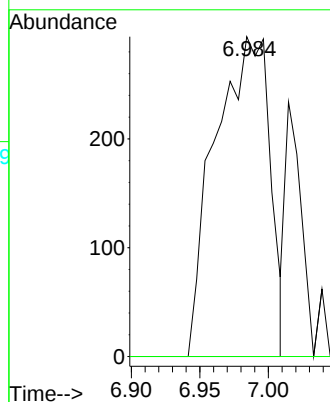


Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.962 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY008977.D

Acq: 22 May 2022 03:27

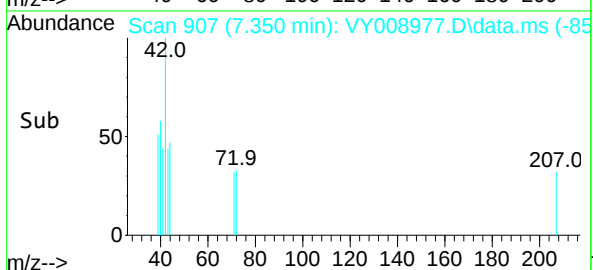
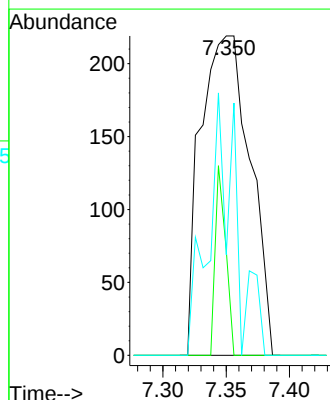
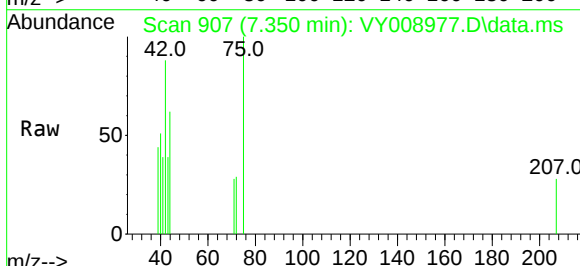
Tgt Ion: 42 Resp: 596

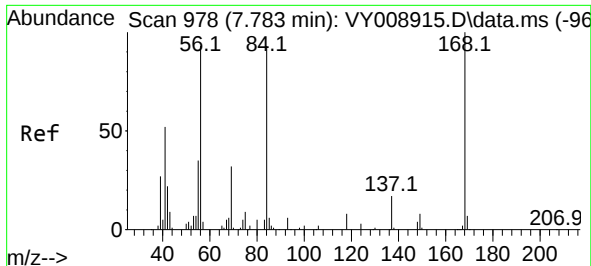
Ion Ratio Lower Upper

42 100

72 12.4 30.3 45.5#

71 45.5 29.0 43.4#

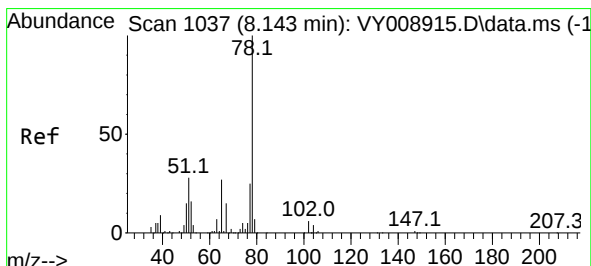
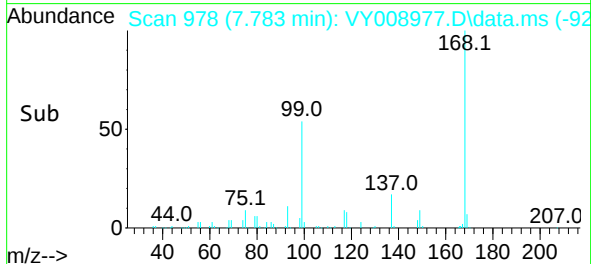
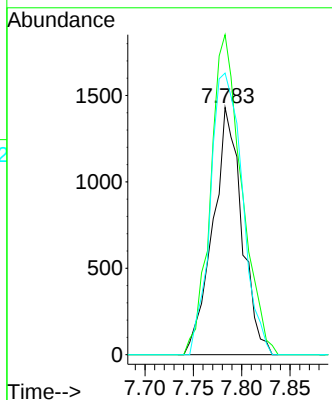
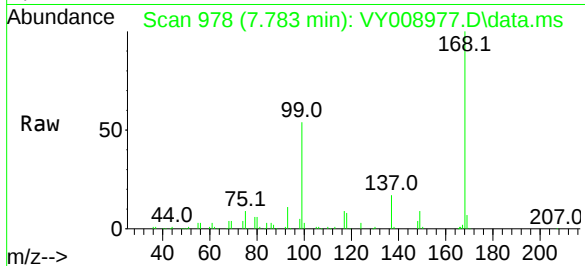




#31  
Cyclohexane  
Concen: 1.264 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

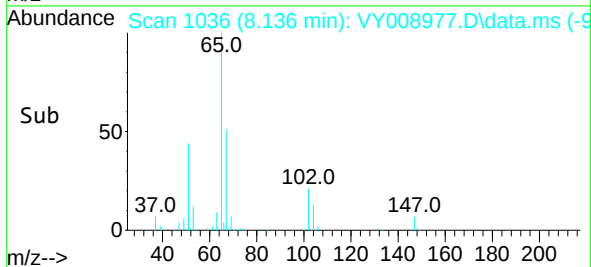
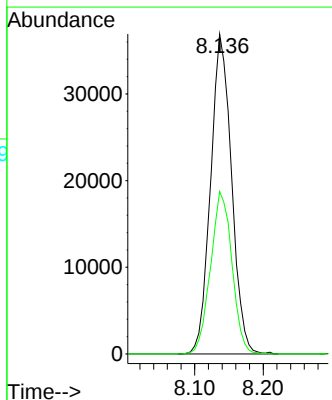
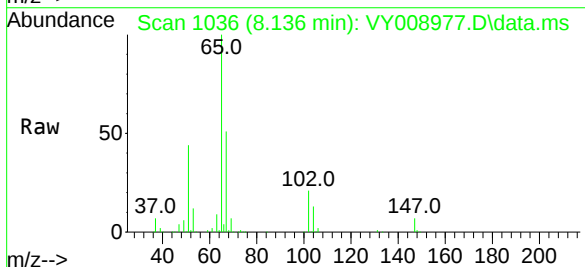
Instrument :  
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ClientSampleId :  
P038-SS001-1824-01

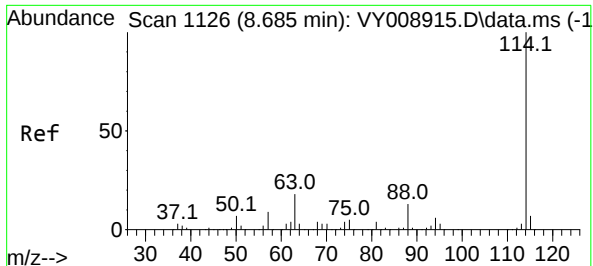
Tgt Ion: 56 Resp: 2974  
Ion Ratio Lower Upper  
56 100  
69 129.4 26.7 40.1#  
84 113.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 65.083 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 65 Resp: 78283  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008977.D

Acq: 22 May 2022 03:27

Instrument :

MSVOA\_Y

ClientSampleId :

P038-SS001-1824-01

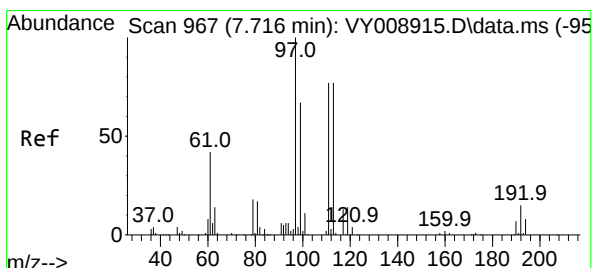
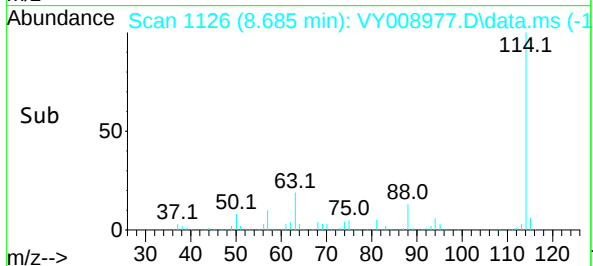
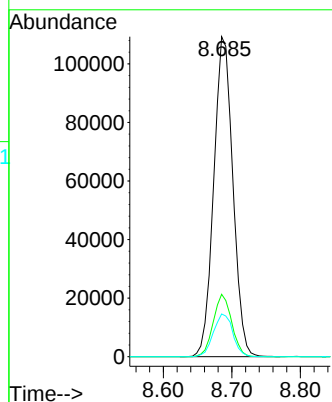
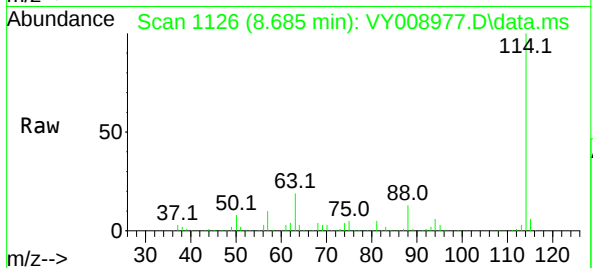
Tgt Ion:114 Resp: 211514

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.034 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008977.D

Acq: 22 May 2022 03:27

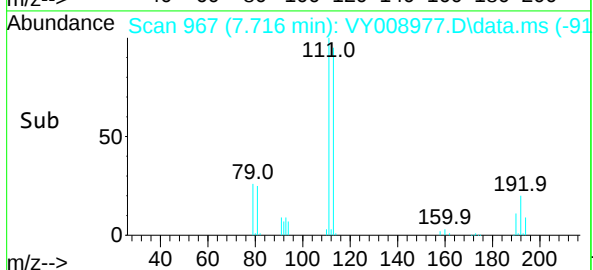
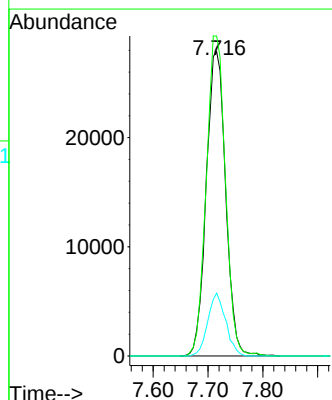
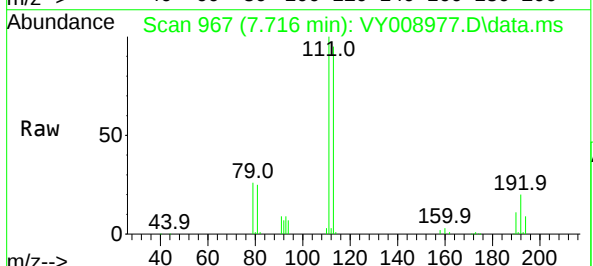
Tgt Ion:113 Resp: 68440

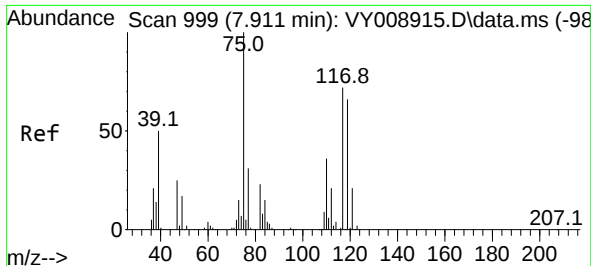
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.0 17.6 26.4

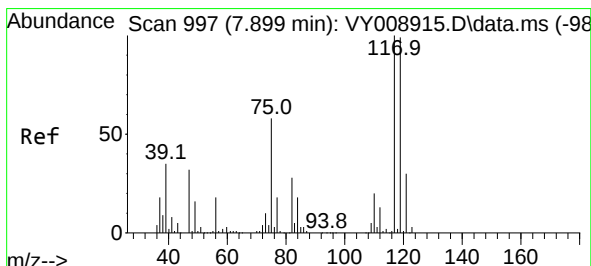
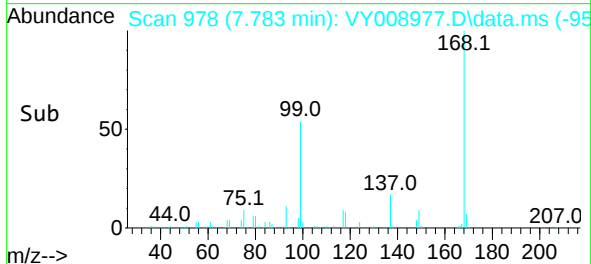
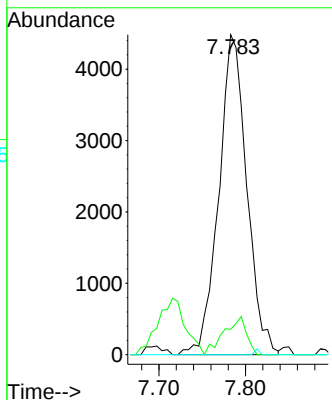
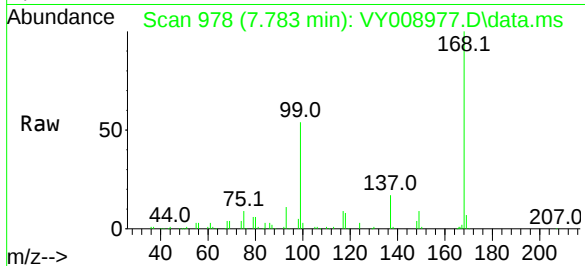




#36  
1,1-Dichloropropene  
Concen: 4.495 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

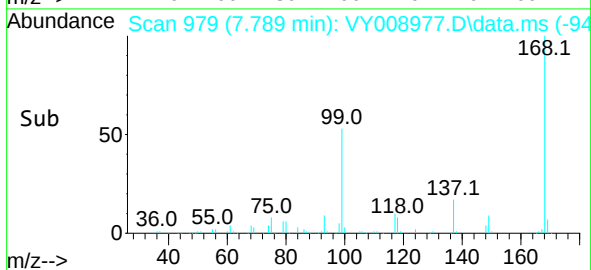
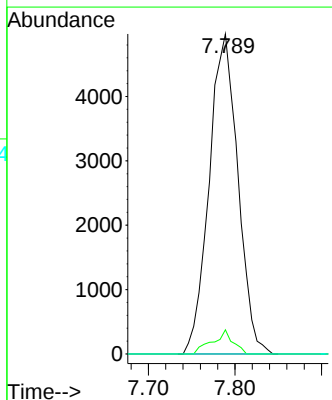
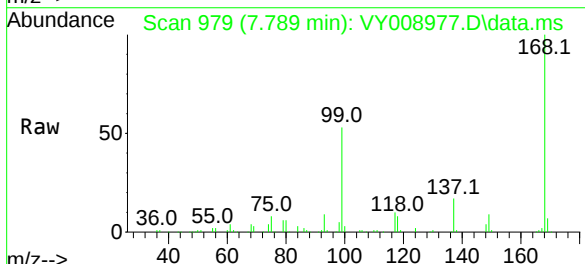
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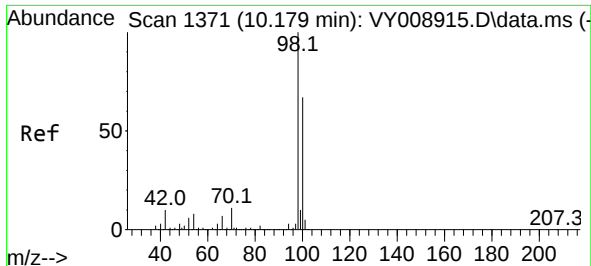
Tgt Ion: 75 Resp: 10061  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.897 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 117 Resp: 11466  
Ion Ratio Lower Upper  
117 100  
119 7.6 77.9 116.9#  
121 0.0 24.8 37.2#

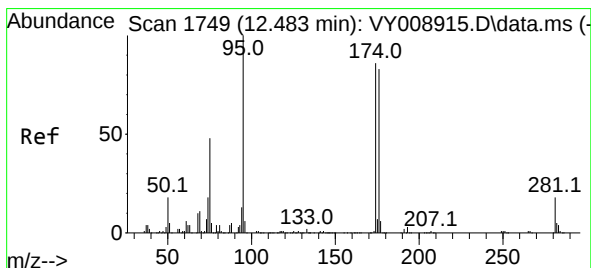
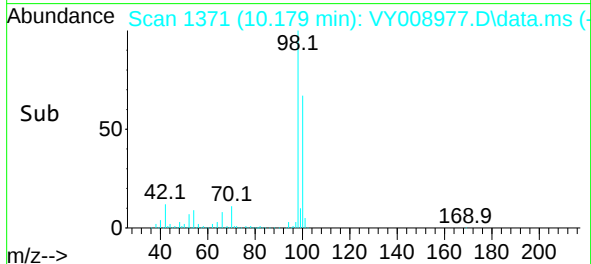
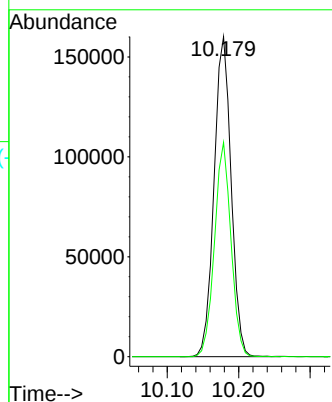
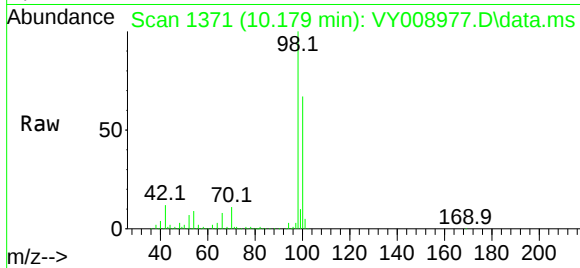




#50  
Toluene-d8  
Concen: 54.675 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

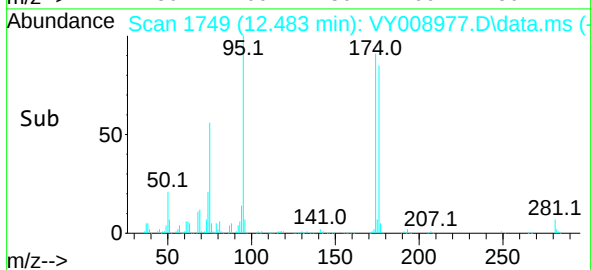
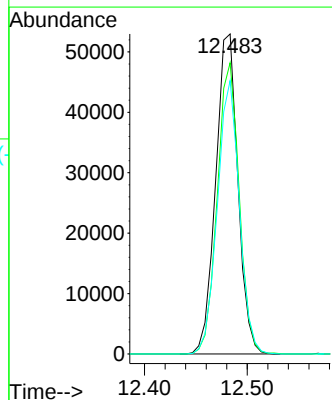
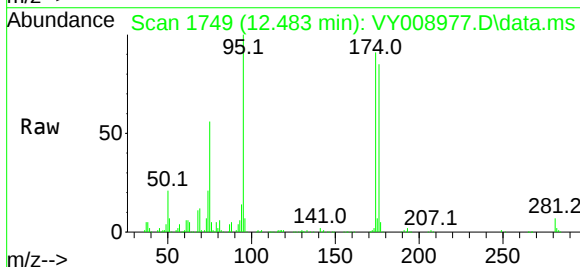
Instrument :  
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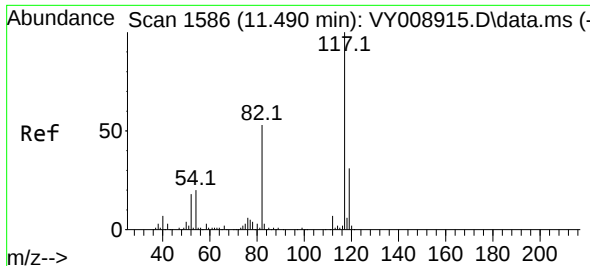
Tgt Ion: 98 Resp: 265297  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 40.535 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 95 Resp: 79341  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 177.0  
176 84.6 0.0 175.8

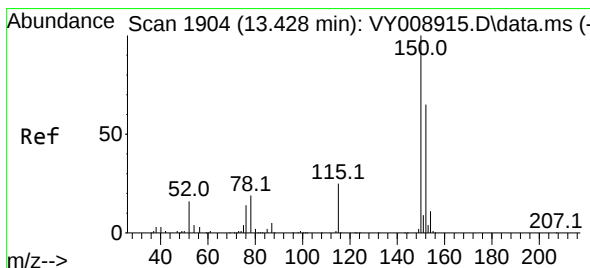
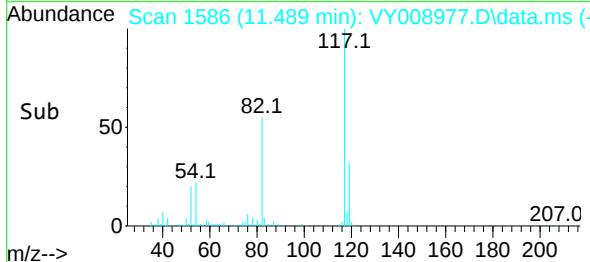
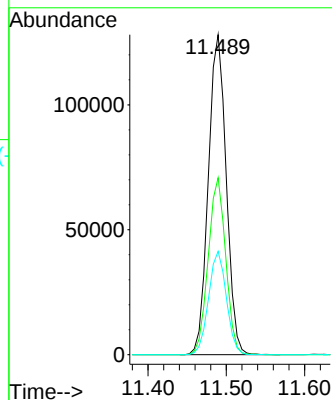
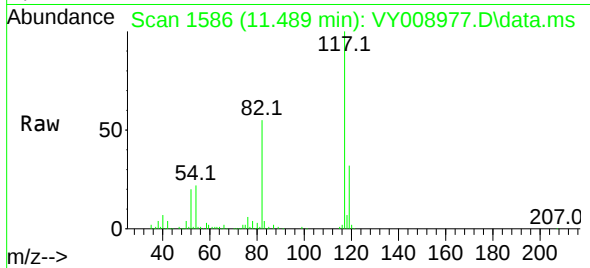




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

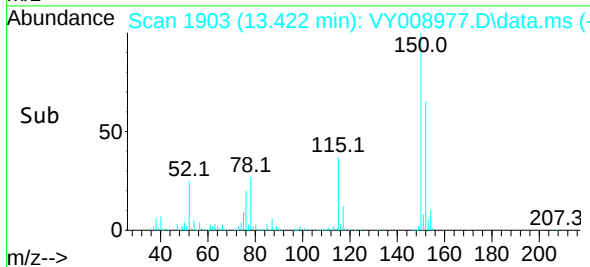
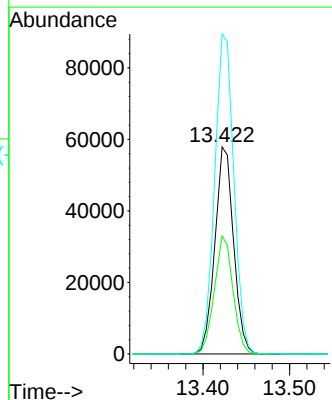
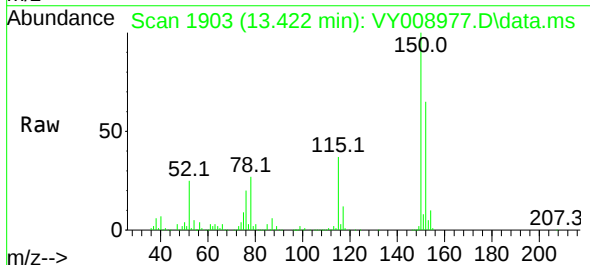
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P038-SS001-1824-01

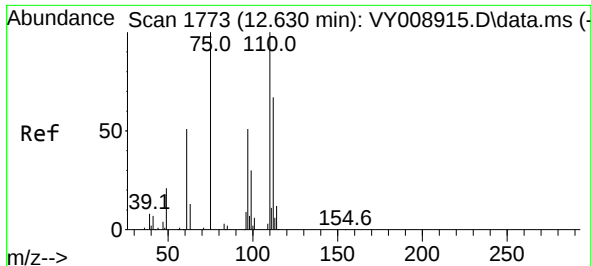
Tgt Ion:117 Resp: 202961  
Ion Ratio Lower Upper  
117 100  
82 55.3 43.0 64.4  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion:152 Resp: 86994  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.2 84.7  
150 158.5 0.0 347.6

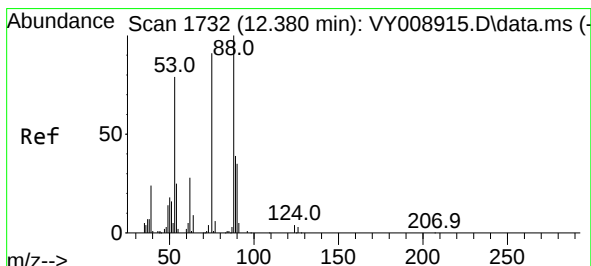
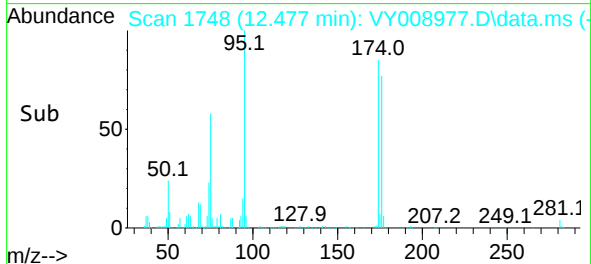
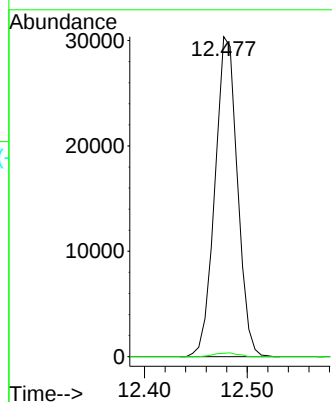
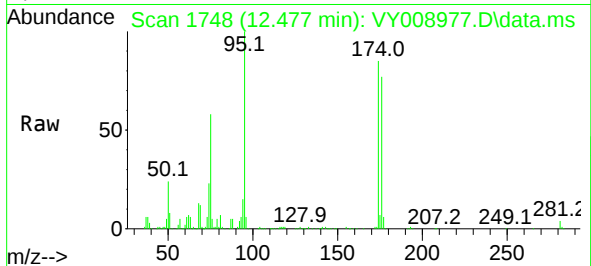




#76  
1,2,3-Trichloropropane  
Concen: 49.405 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P038-SS001-1824-01

Tgt Ion: 75 Resp: 46155  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.405 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY008977.D  
Acq: 22 May 2022 03:27

Tgt Ion: 75 Resp: 46155  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

