

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062722\  
 Data File : VY009340.D  
 Acq On : 27 Jun 2022 13:55  
 Operator : KP/MD  
 Sample : VY0627SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0627SBL01

Quant Time: Jun 28 04:29:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062422S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 25 07:08:46 2022  
 Response via : Initial Calibration

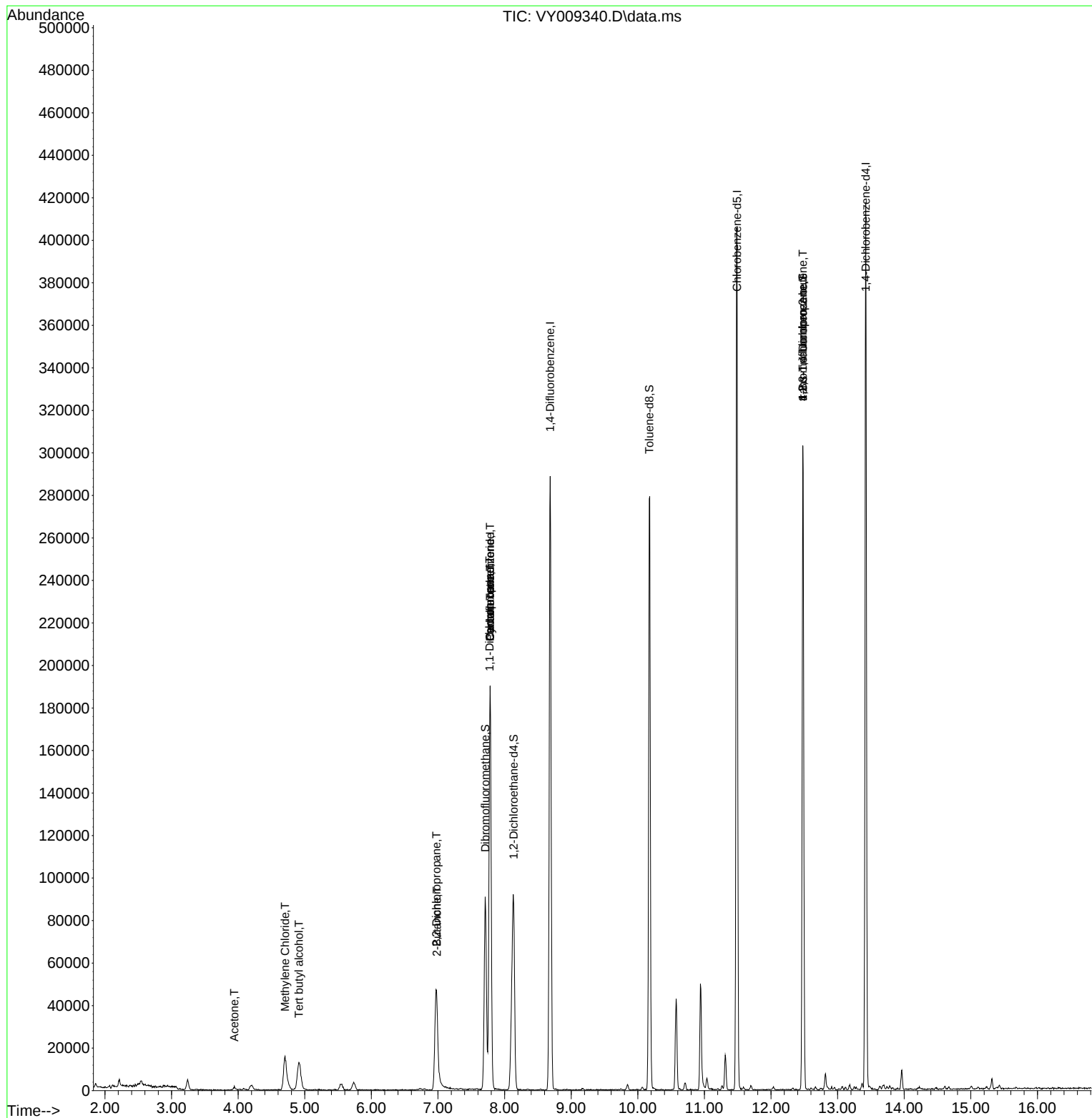
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 150101   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 243035   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 224203   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 102627   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 57006    | 50.468   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 100.940% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 61345    | 46.764   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 93.520%  |          |
| 50) Toluene-d8                | 10.173 | 98    | 183310   | 47.485   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 94.980%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 81923    | 43.849   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 87.700%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          |            | Qvalue   |
| 11) Tert butyl alcohol        | 4.911  | 59    | 12950    | 3.975    | ug/l #     | 79       |
| 16) Acetone                   | 3.942  | 43    | 2135     | 5.564    | ug/l #     | 59       |
| 20) Methylene Chloride        | 4.704  | 84    | 10330    | 3.048    | ug/l       | 88       |
| 25) 2-Butanone                | 6.984  | 43    | 3224     | 5.587    | ug/l #     | 89       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 3910     | 1.501    | ug/l #     | 52       |
| 31) Cyclohexane               | 7.783  | 56    | 3322     | 1.224    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.777  | 75    | 11581    | 5.260    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 14040    | 6.202    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 44350    | 44.532   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 44350    | 88.153   | ug/l #     | 14       |
| -----                         |        |       |          |          |            |          |

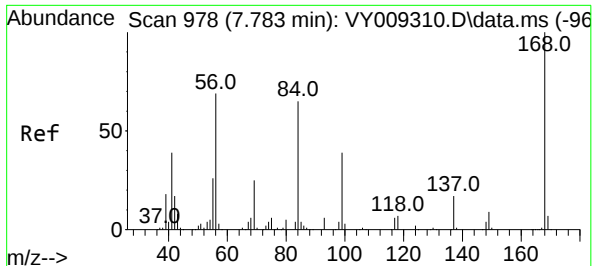
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062722\  
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Sample : VY0627SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

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Response via : Initial Calibration

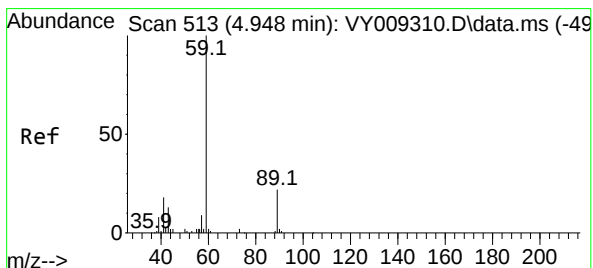
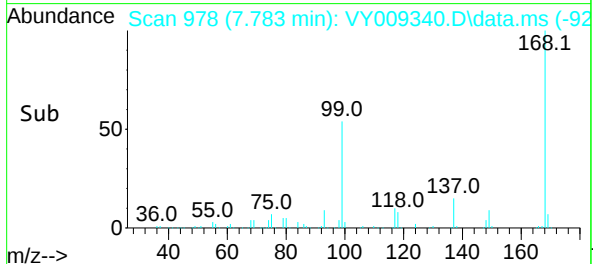
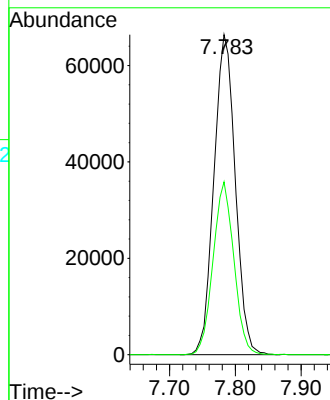
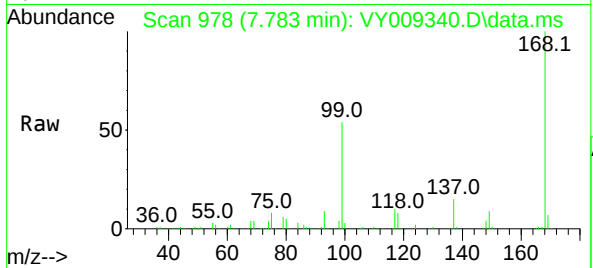




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

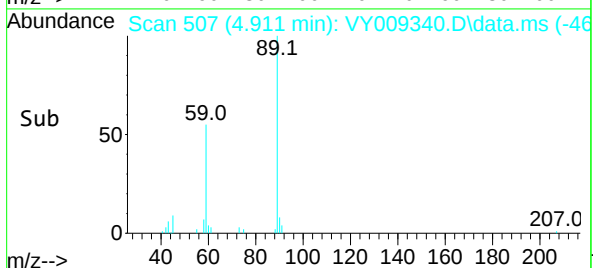
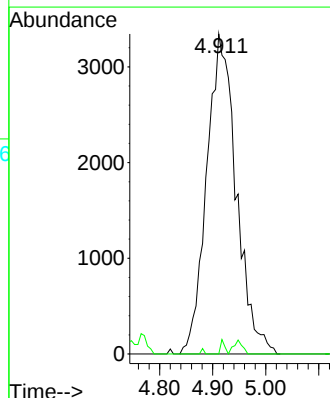
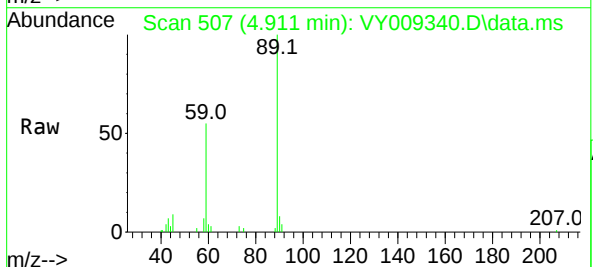
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

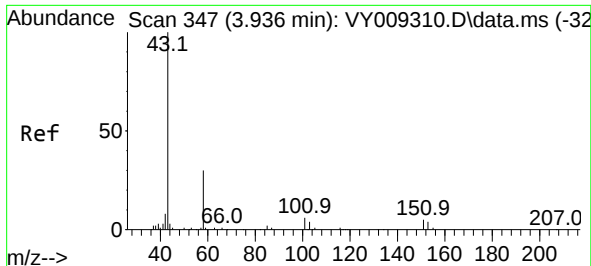
Tgt Ion:168 Resp: 150101  
Ion Ratio Lower Upper  
168 100  
99 54.0 42.1 63.1



#11  
Tert butyl alcohol  
Concen: 3.975 ug/l  
RT: 4.911 min Scan# 507  
Delta R.T. -0.037 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 59 Resp: 12950  
Ion Ratio Lower Upper  
59 100  
57 0.6 6.3 9.5#

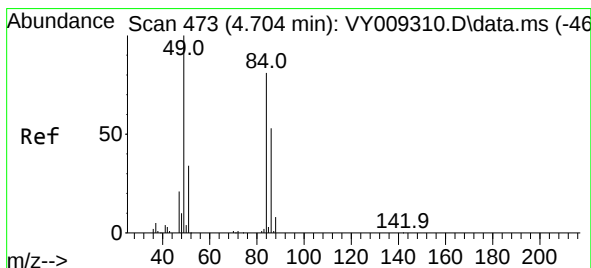
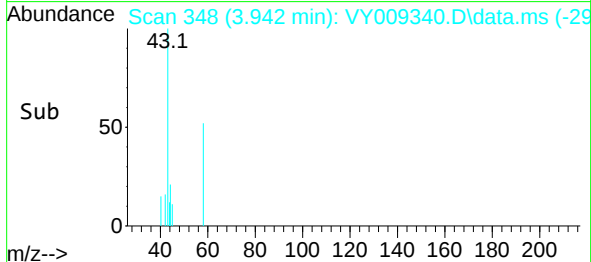
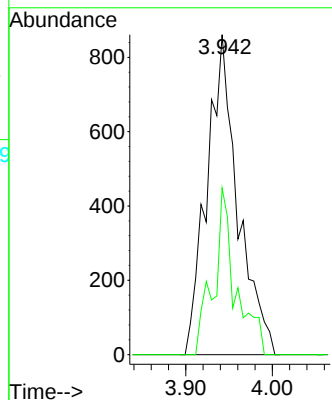
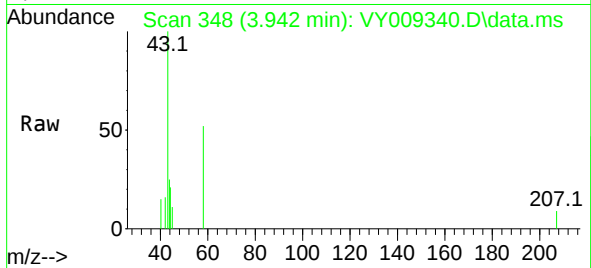




#16  
Acetone  
Concen: 5.564 ug/l  
RT: 3.942 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

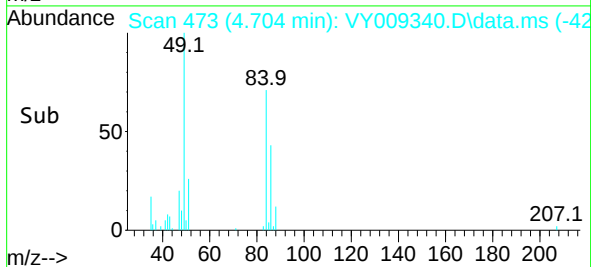
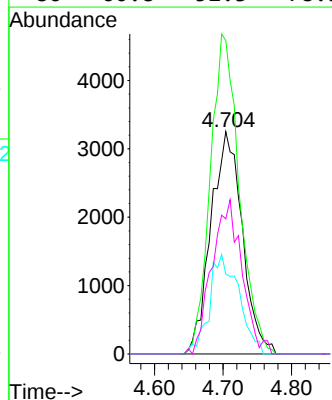
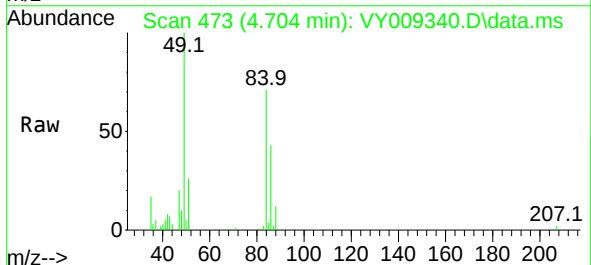
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

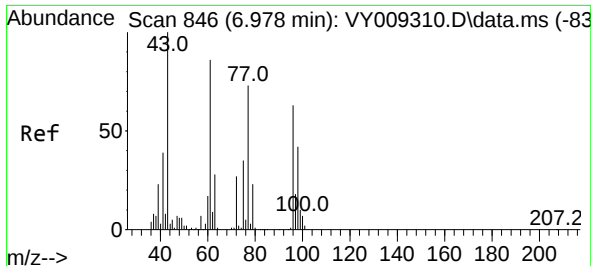
Tgt Ion: 43 Resp: 2135  
Ion Ratio Lower Upper  
43 100  
58 52.0 24.0 36.0#



#20  
Methylene Chloride  
Concen: 3.048 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 84 Resp: 10330  
Ion Ratio Lower Upper  
84 100  
49 140.9 98.2 147.4  
51 36.0 33.4 50.0  
86 60.8 52.3 78.5

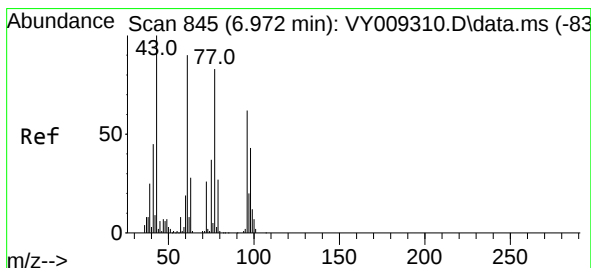
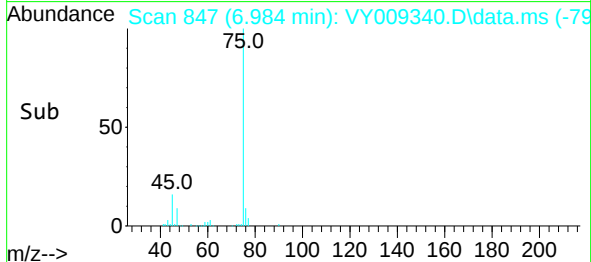
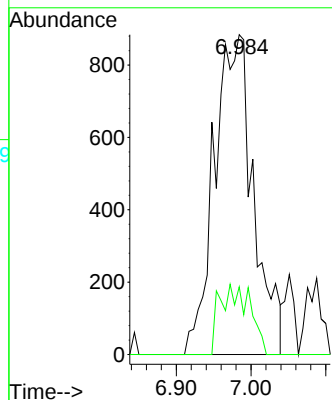
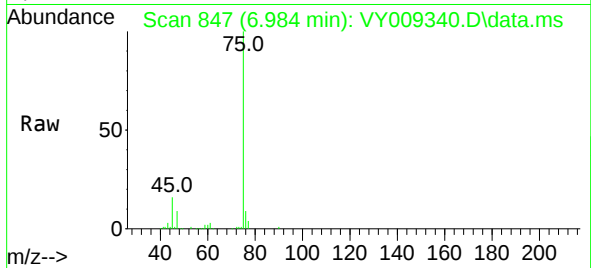




#25  
2-Butanone  
Concen: 5.587 ug/l  
RT: 6.984 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

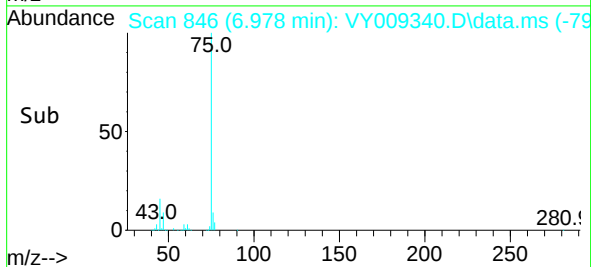
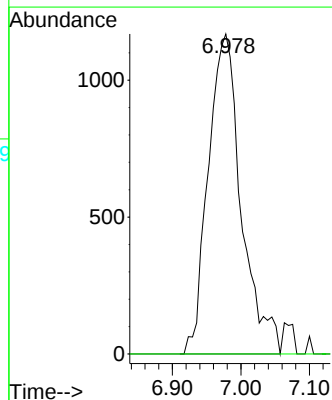
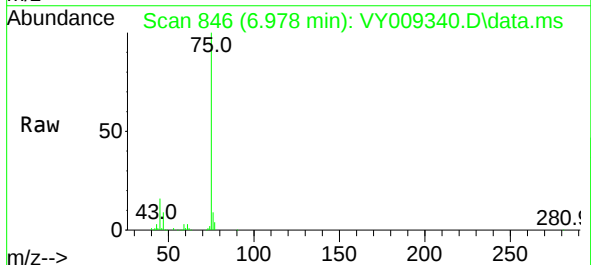
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

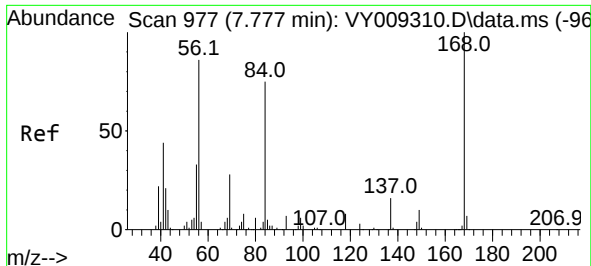
Tgt Ion: 43 Resp: 3224  
Ion Ratio Lower Upper  
43 100  
72 21.2 21.5 32.3#



#26  
2,2-Dichloropropane  
Concen: 1.501 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 77 Resp: 3910  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.7 35.0#

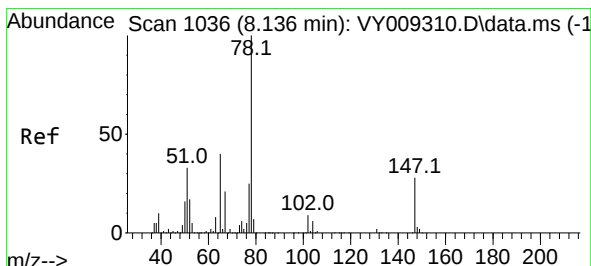
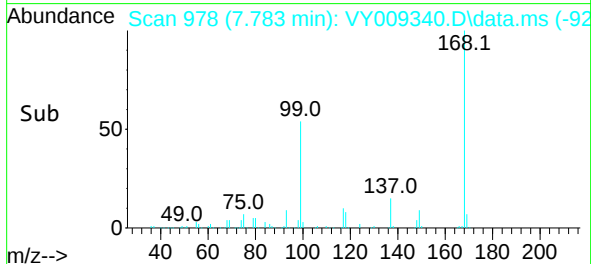
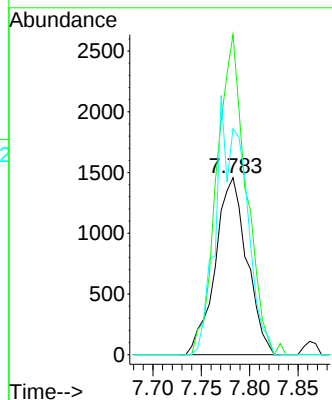
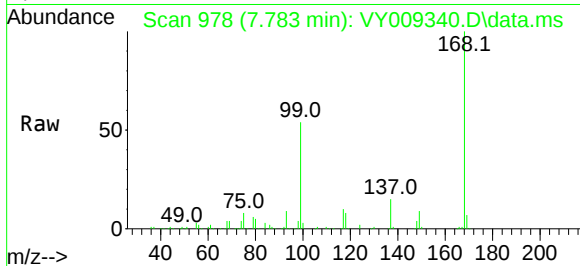




#31  
Cyclohexane  
Concen: 1.224 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

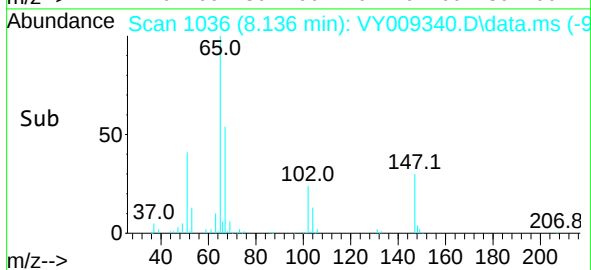
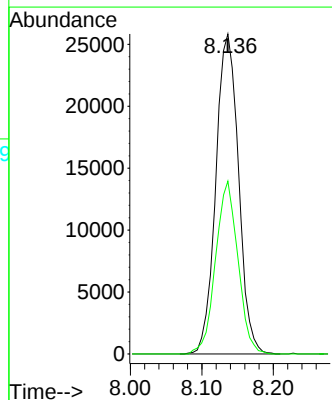
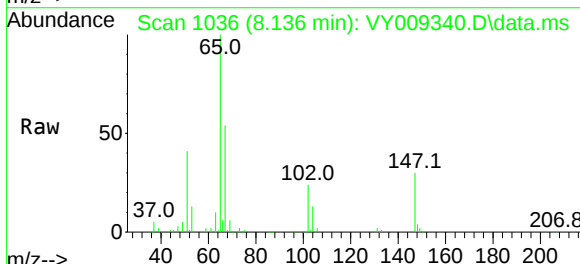
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

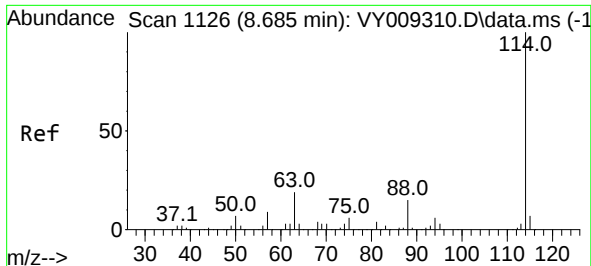
Tgt Ion: 56 Resp: 3322  
Ion Ratio Lower Upper  
56 100  
69 180.9 26.0 39.0#  
84 127.8 69.5 104.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.468 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 65 Resp: 57006  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009340.D

Acq: 27 Jun 2022 13:55

Instrument :

MSVOA\_Y

ClientSampleId :

VY0627SBL01

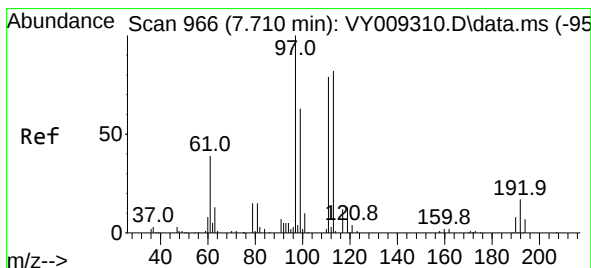
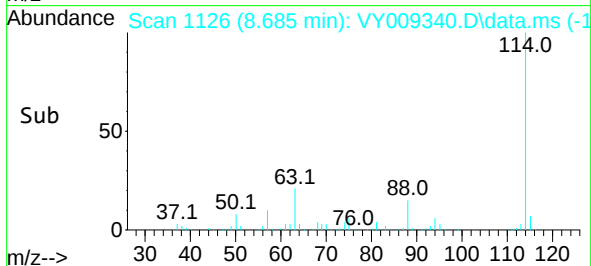
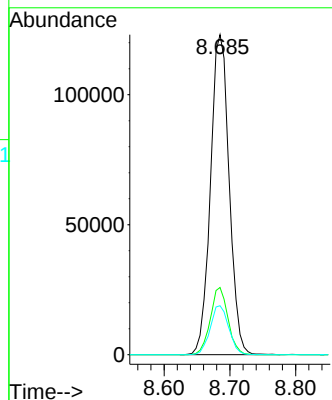
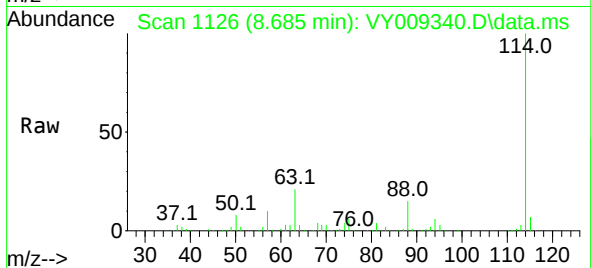
Tgt Ion:114 Resp: 243035

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.0

88 15.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 46.764 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009340.D

Acq: 27 Jun 2022 13:55

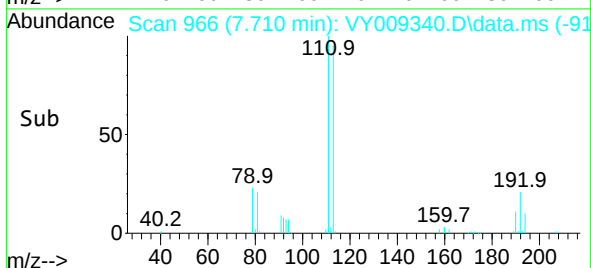
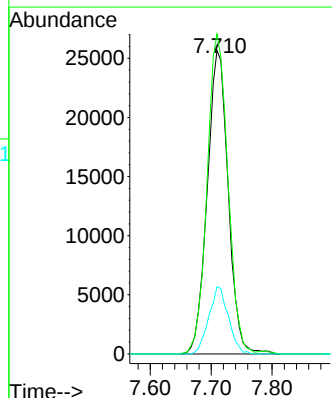
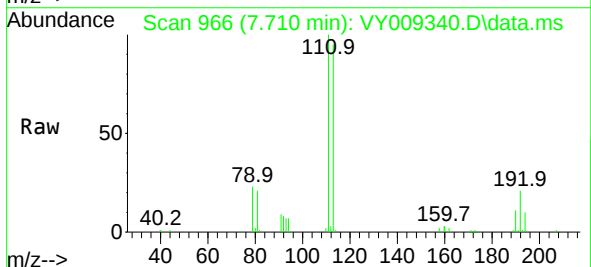
Tgt Ion:113 Resp: 61345

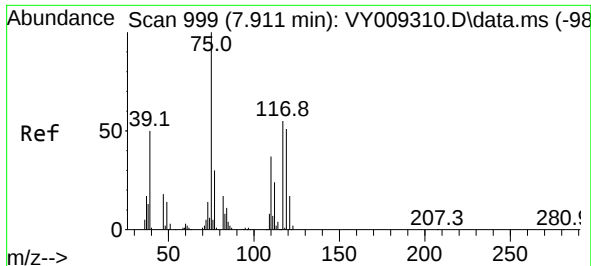
Ion Ratio Lower Upper

113 100

111 104.6 80.6 120.8

192 20.7 16.2 24.4

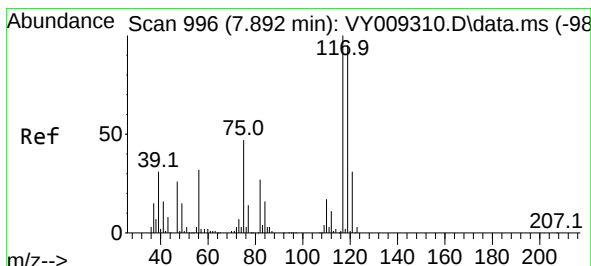
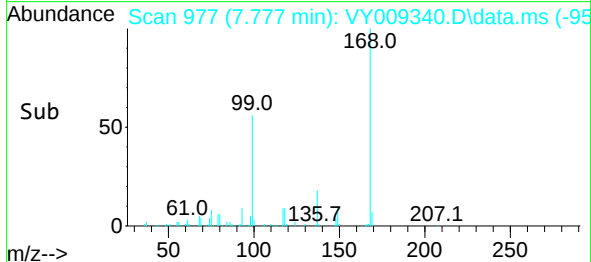
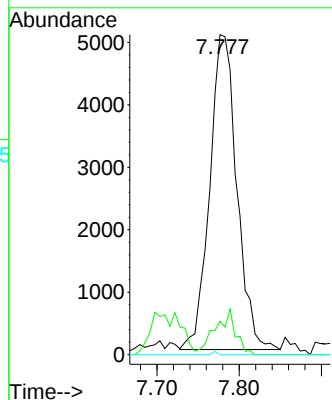
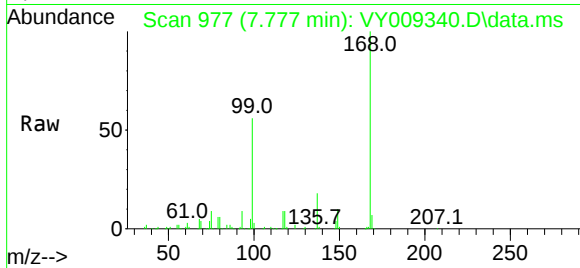




#36  
1,1-Dichloropropene  
Concen: 5.260 ug/l  
RT: 7.777 min Scan# 911  
Delta R.T. -0.134 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

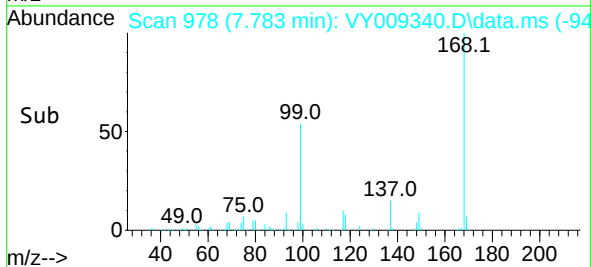
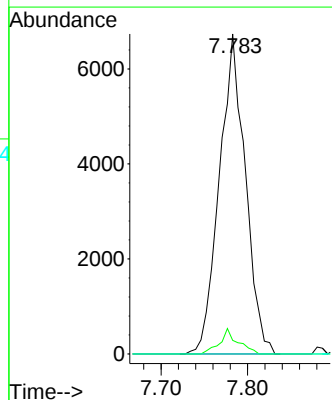
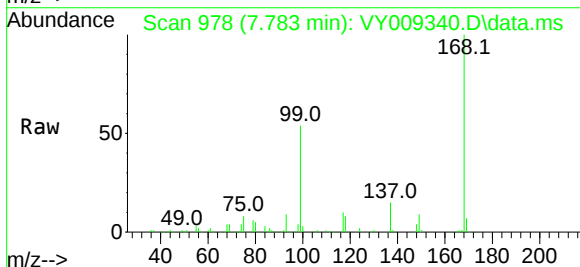
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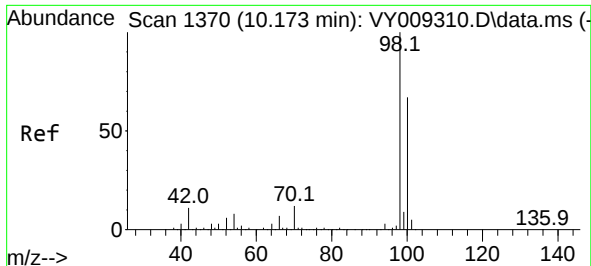
Tgt Ion: 75 Resp: 11581  
Ion Ratio Lower Upper  
75 100  
110 10.8 18.6 56.0#  
77 0.2 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 6.202 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 117 Resp: 14040  
Ion Ratio Lower Upper  
117 100  
119 4.3 75.9 113.9#  
121 0.0 24.9 37.3#

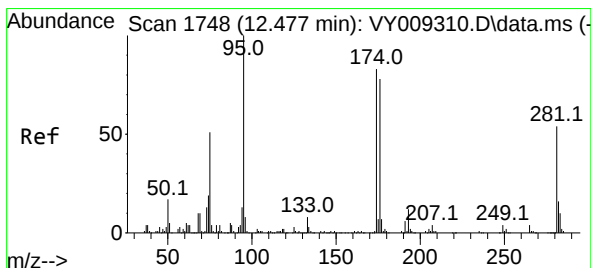
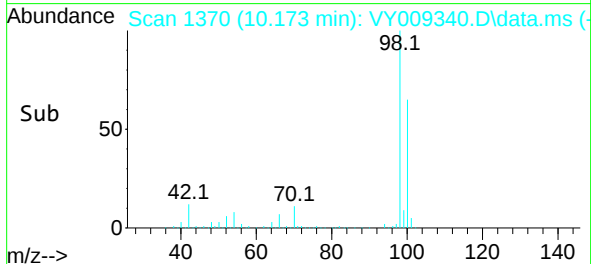
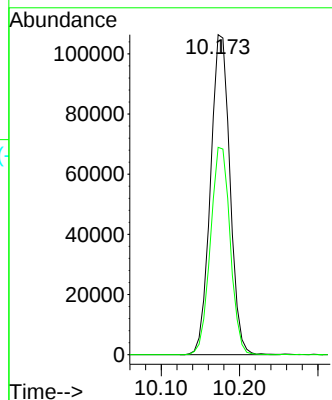
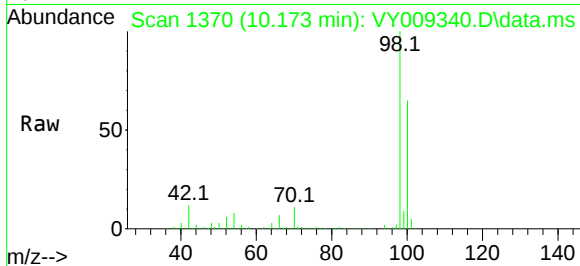




#50  
Toluene-d8  
Concen: 47.485 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

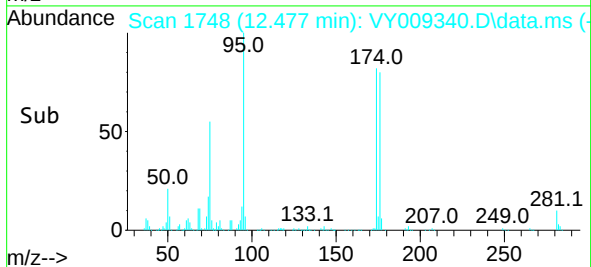
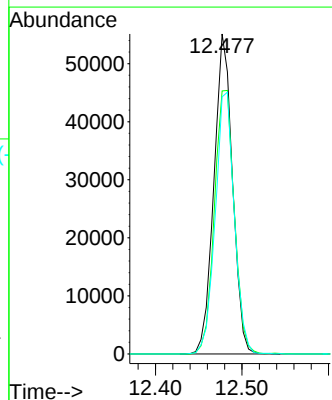
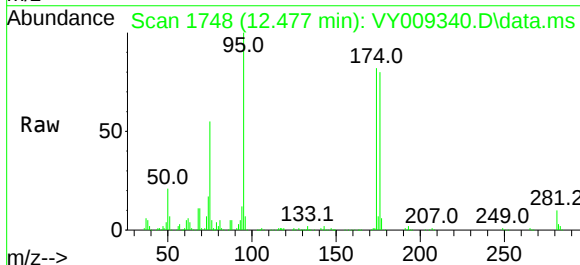
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

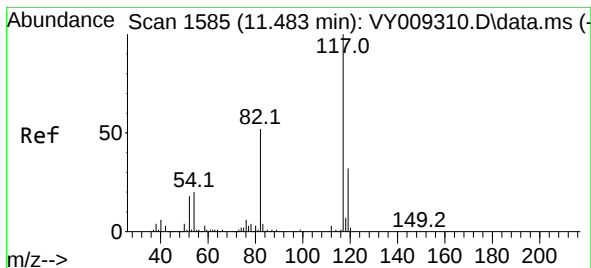
Tgt Ion: 98 Resp: 183310  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 43.849 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 95 Resp: 81923  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 173.8  
176 84.2 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009340.D

Acq: 27 Jun 2022 13:55

Instrument :

MSVOA\_Y

ClientSampleId :

VY0627SBL01

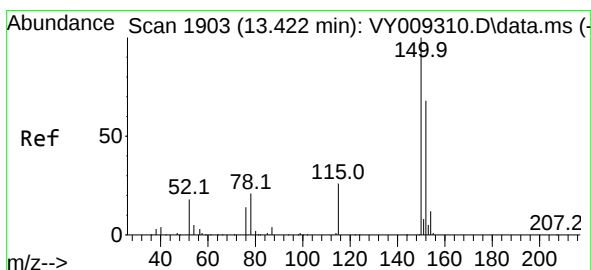
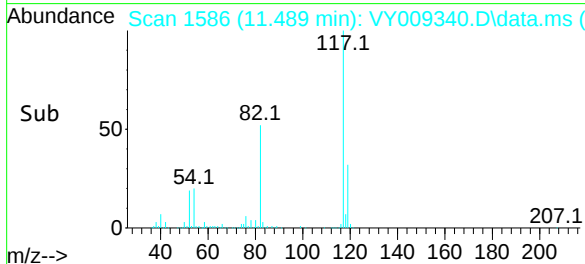
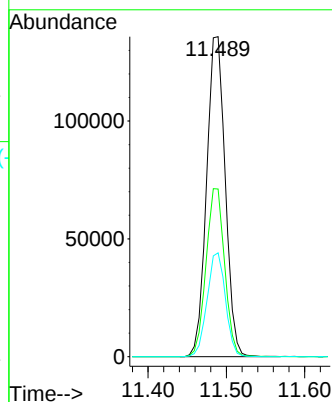
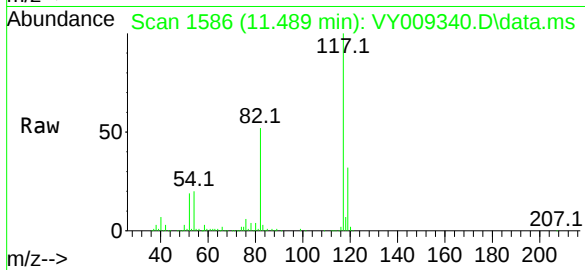
Tgt Ion:117 Resp: 224203

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.6

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009340.D

Acq: 27 Jun 2022 13:55

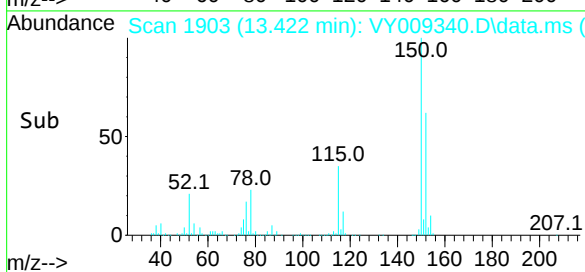
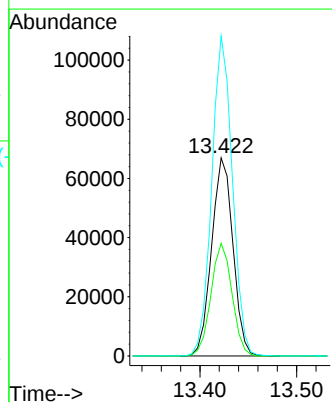
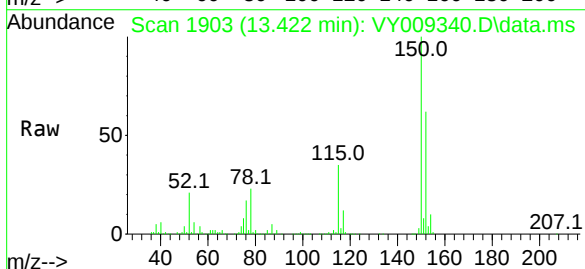
Tgt Ion:152 Resp: 102627

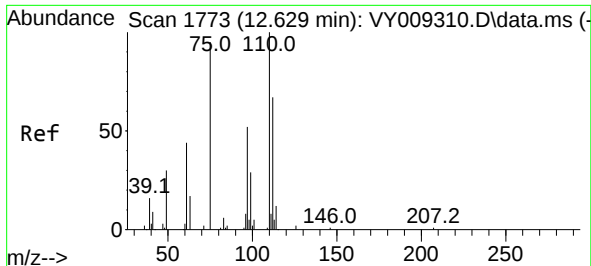
Ion Ratio Lower Upper

152 100

115 55.9 28.6 85.9

150 156.4 0.0 349.8

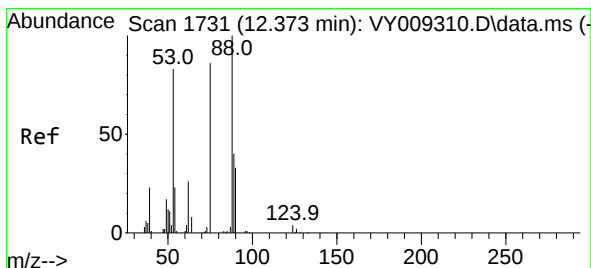
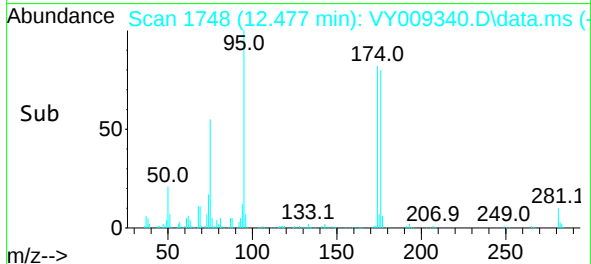
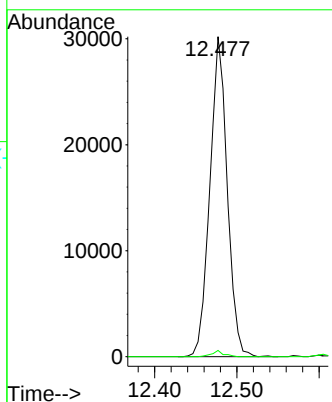
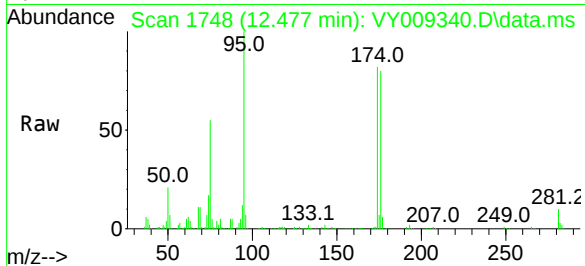




#76  
1,2,3-Trichloropropane  
Concen: 44.532 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0627SBL01

Tgt Ion: 75 Resp: 44350  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.153 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009340.D  
Acq: 27 Jun 2022 13:55

Tgt Ion: 75 Resp: 44350  
Ion Ratio Lower Upper  
75 100  
53 0.1 71.4 107.2#  
89 0.6 38.1 57.1#

