

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052422\  
 Data File : VY009068.D  
 Acq On : 24 May 2022 17:39  
 Operator : KP/MD  
 Sample : N2948-05  
 Misc : 5.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P035-SS001-0612-01

Quant Time: May 25 02:55:39 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

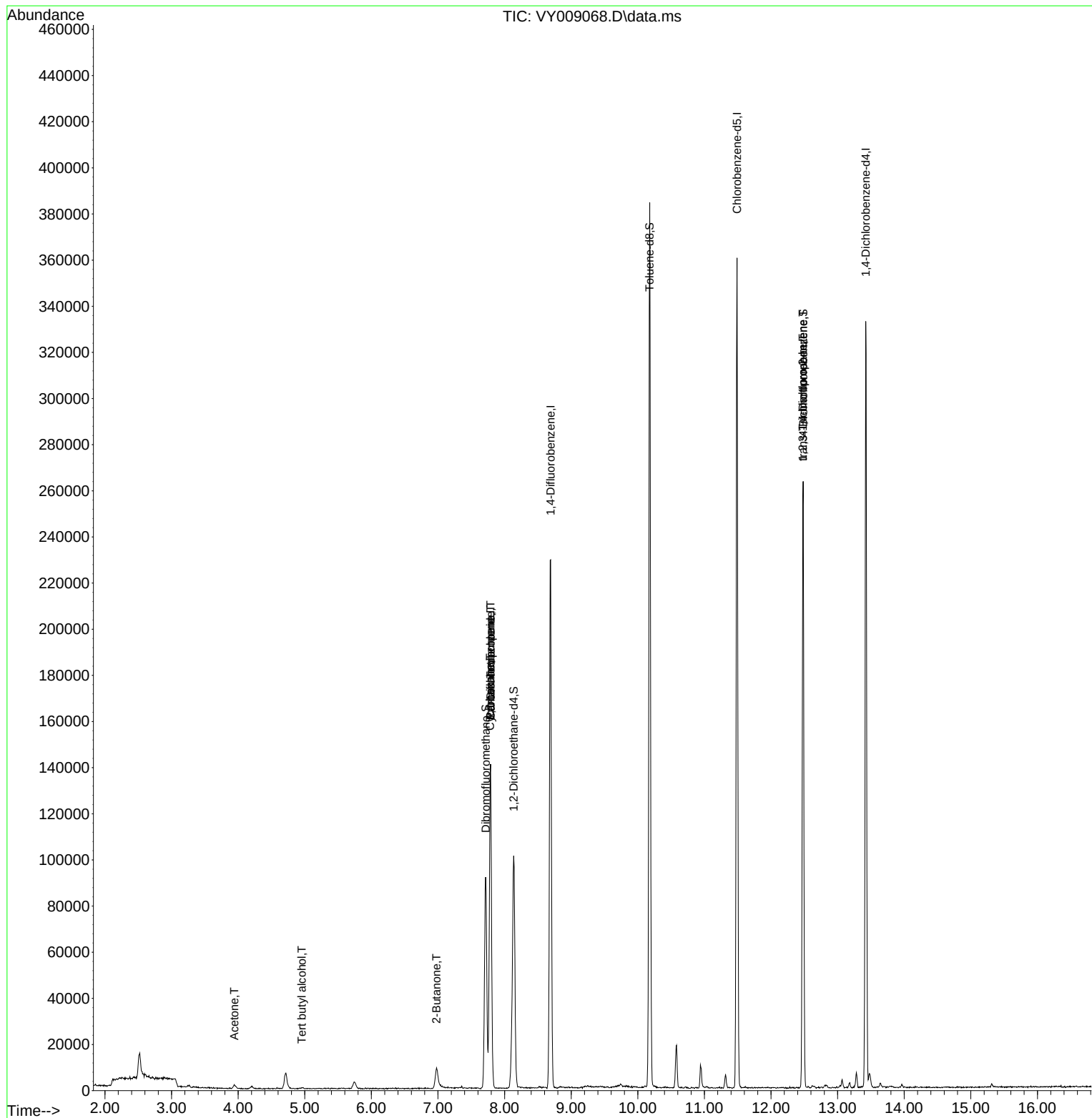
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 106858   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 195731   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 187878   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 80369    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 68092    | 61.915    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 123.840% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 62293    | 51.180    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 102.360% |          |
| 50) Toluene-d8                | 10.179    | 98    | 243276   | 54.179    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 108.360% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 68867    | 38.021    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 76.040%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.954     | 59    | 282      | 2.528     | ug/l #     | 77       |
| 16) Acetone                   | 3.942     | 43    | 2810     | 12.275    | ug/l #     | 71       |
| 20) Methylene Chloride        | 4.716     | 84    | 4754     | Below Cal |            | 85       |
| 25) 2-Butanone                | 6.978     | 43    | 871      | 2.130     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.783     | 56    | 2781     | 1.293     | ug/l #     | 35       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 9470     | 4.572     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 10985    | 5.070     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 40516    | 46.944    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 40516    | 96.353    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

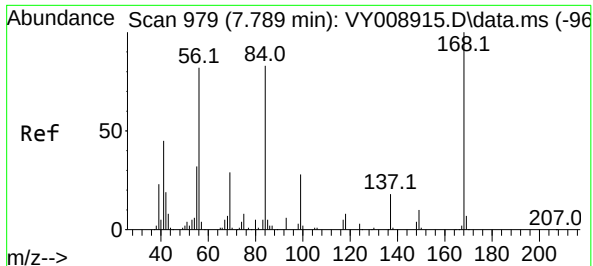
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
P035-SS001-0612-01

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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

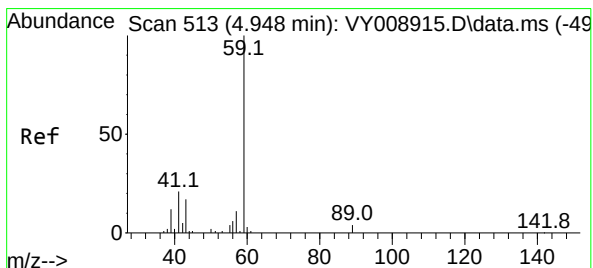
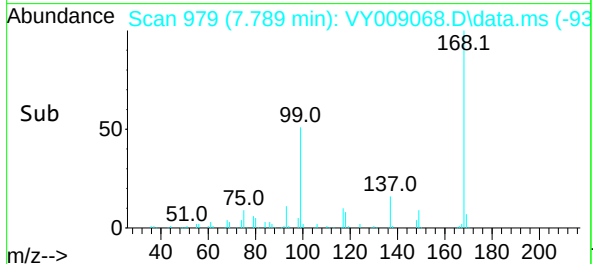
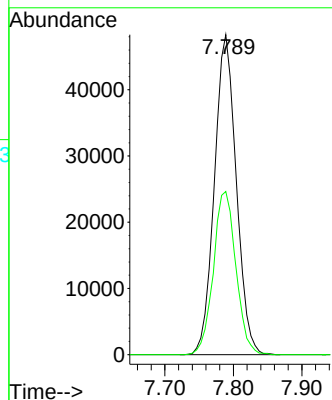
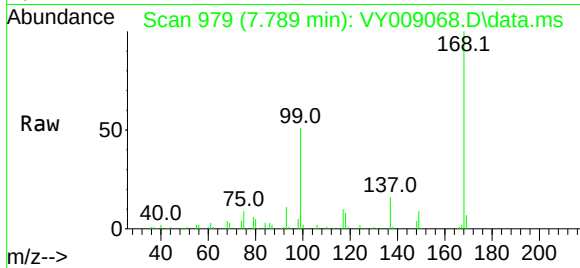




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

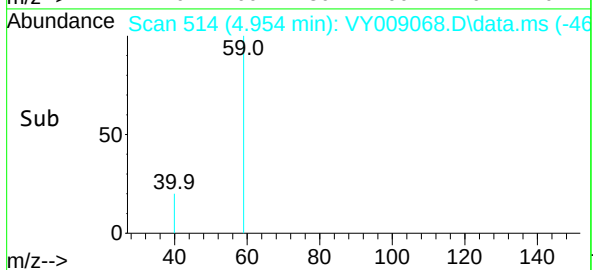
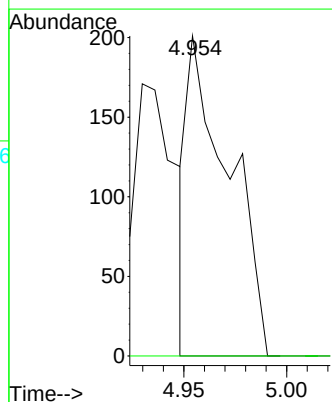
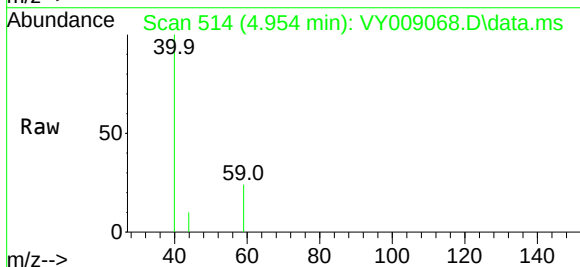
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0612-01

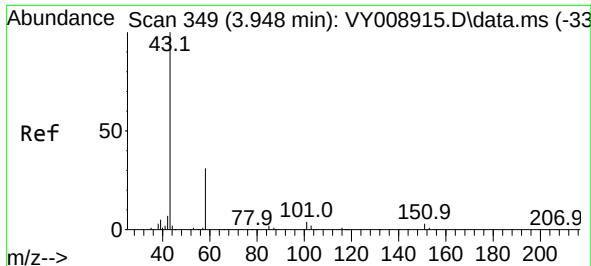
Tgt Ion:168 Resp: 106858  
Ion Ratio Lower Upper  
168 100  
99 51.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 2.528 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Tgt Ion: 59 Resp: 282  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

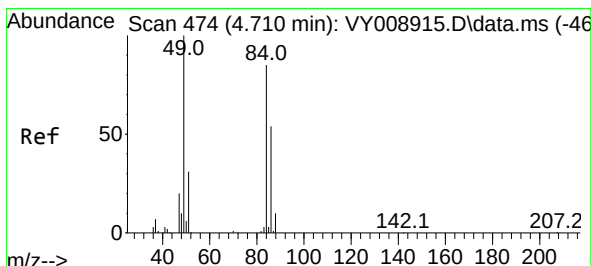
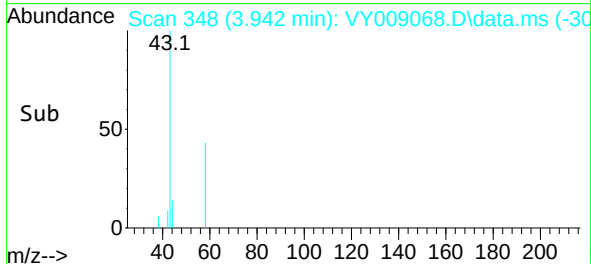
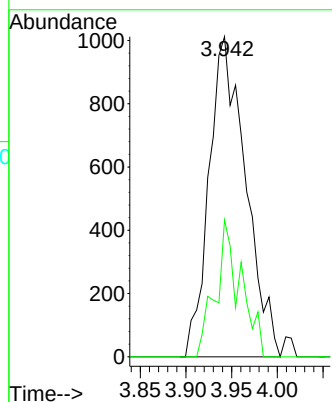
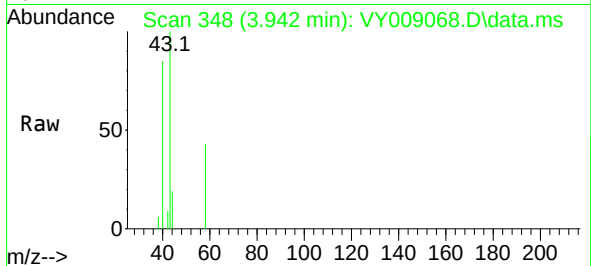




#16  
Acetone  
Concen: 12.275 ug/l  
RT: 3.942 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

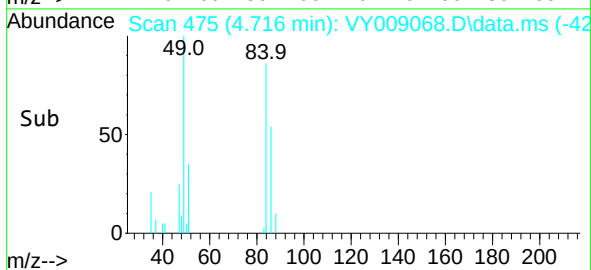
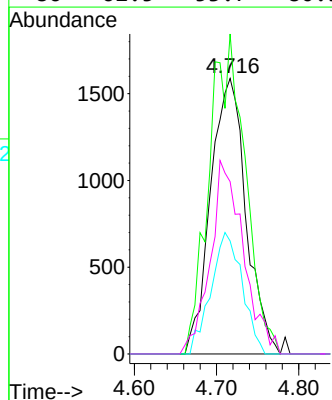
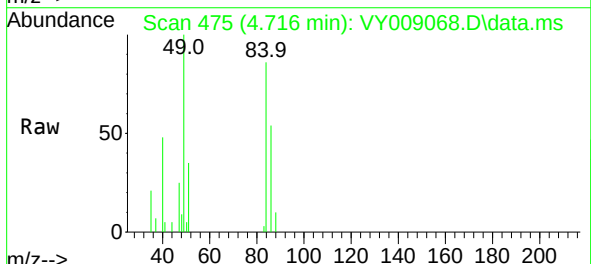
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0612-01

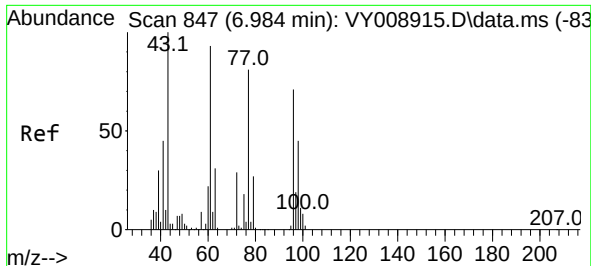
Tgt Ion: 43 Resp: 2810  
Ion Ratio Lower Upper  
43 100  
58 42.8 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Tgt Ion: 84 Resp: 4754  
Ion Ratio Lower Upper  
84 100  
49 116.1 114.4 171.6  
51 41.0 35.3 52.9  
86 62.5 53.7 80.5

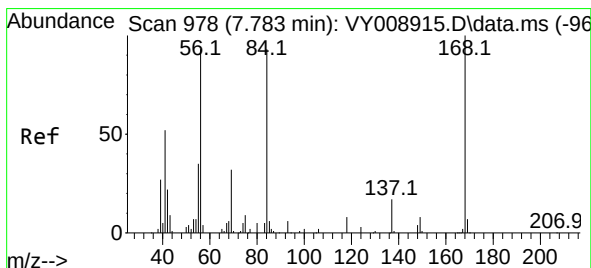
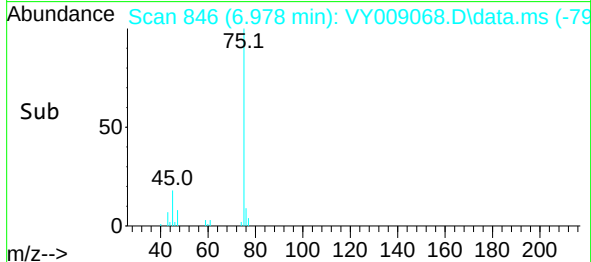
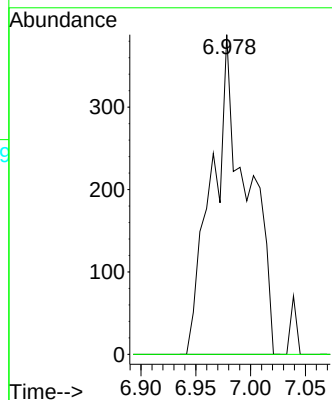
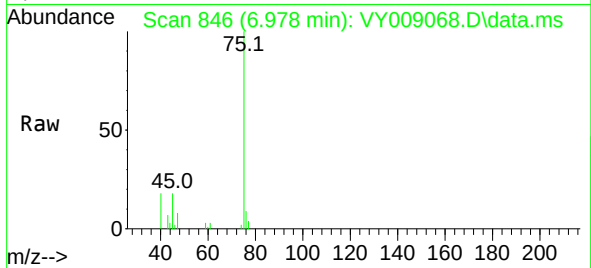




#25  
2-Butanone  
Concen: 2.130 ug/l  
RT: 6.978 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

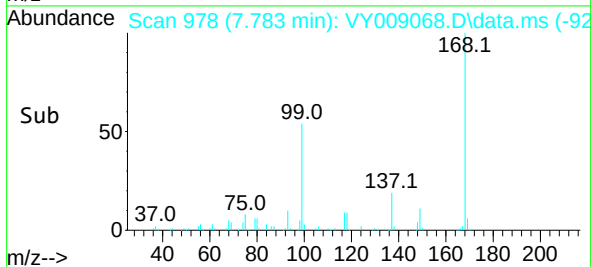
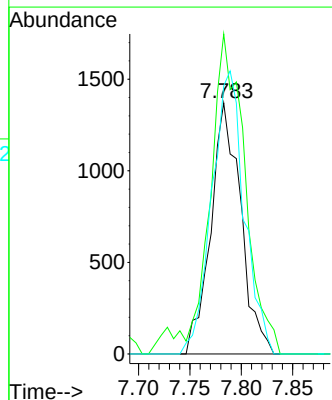
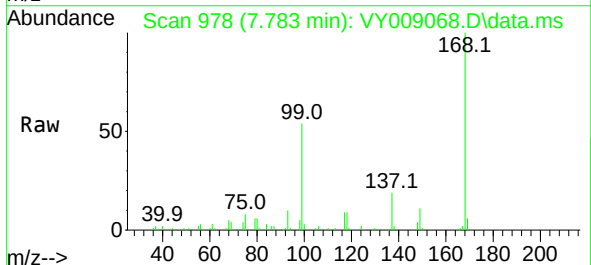
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0612-01

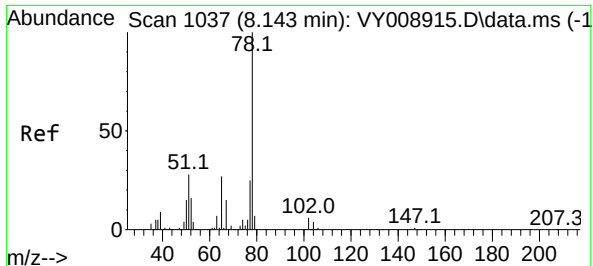
Tgt Ion: 43 Resp: 871  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 1.293 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Tgt Ion: 56 Resp: 2781  
Ion Ratio Lower Upper  
56 100  
69 127.4 26.7 40.1#  
84 106.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.915 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY009068.D

Acq: 24 May 2022 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

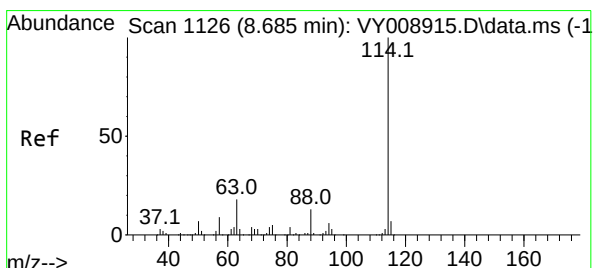
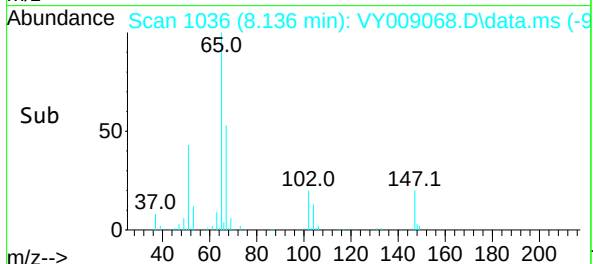
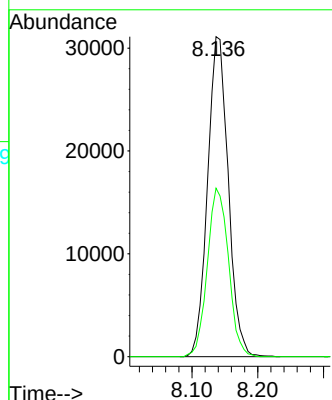
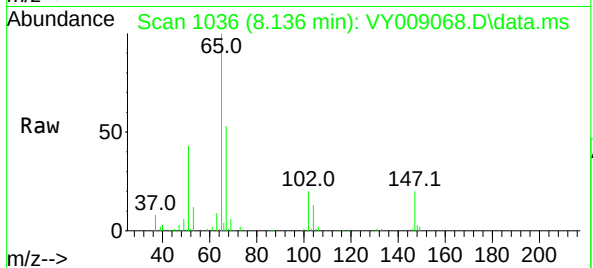
P035-SS001-0612-01

Tgt Ion: 65 Resp: 68092

Ion Ratio Lower Upper

65 100

67 53.9 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: VY009068.D

Acq: 24 May 2022 17:39

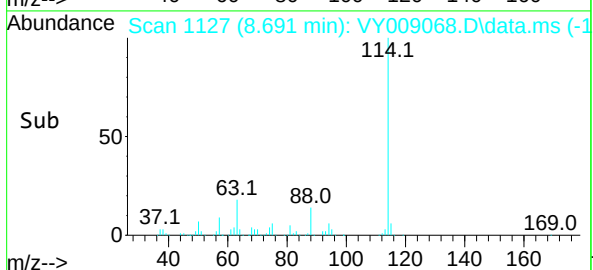
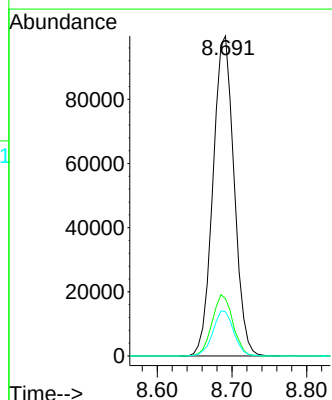
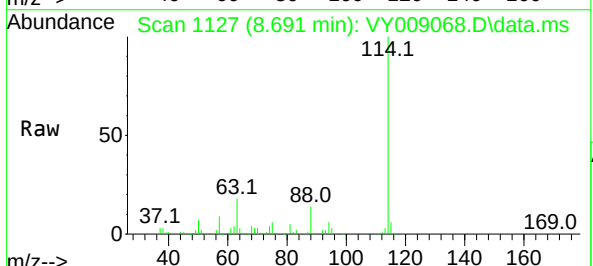
Tgt Ion: 114 Resp: 195731

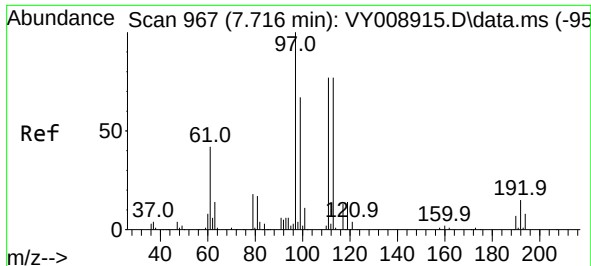
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 13.8 0.0 31.8

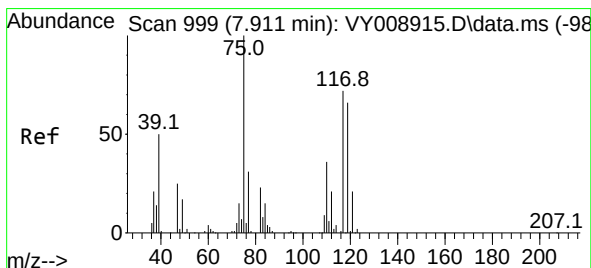
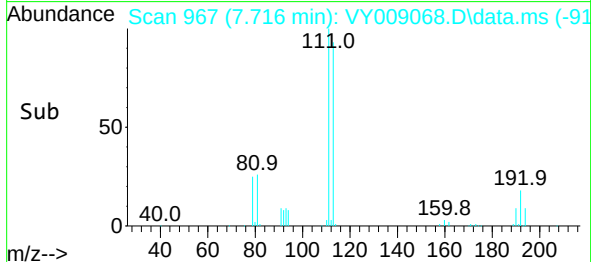
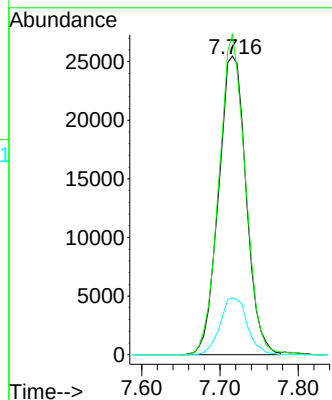
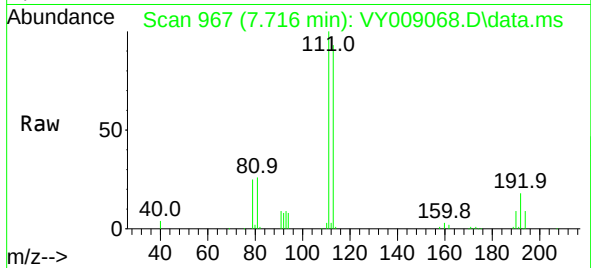




#35  
Dibromofluoromethane  
Concen: 51.180 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

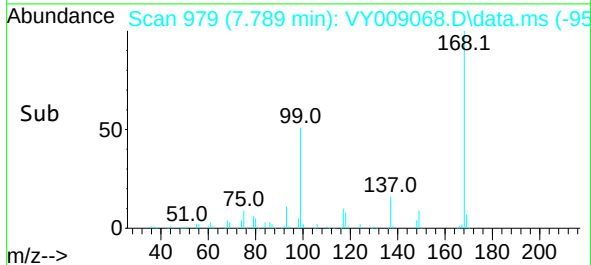
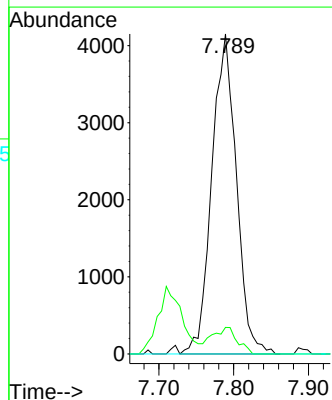
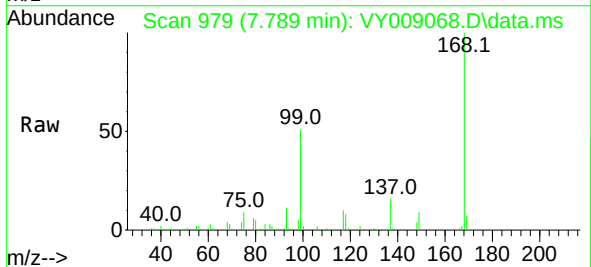
Instrument :  
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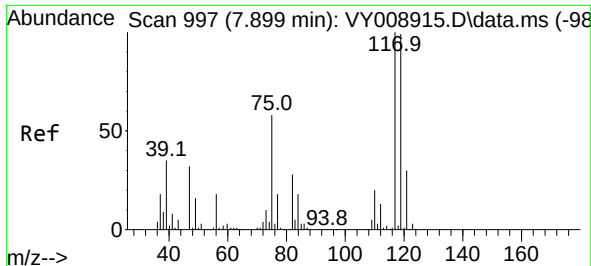
Tgt Ion:113 Resp: 62293  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.6 124.0  
192 18.7 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.572 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

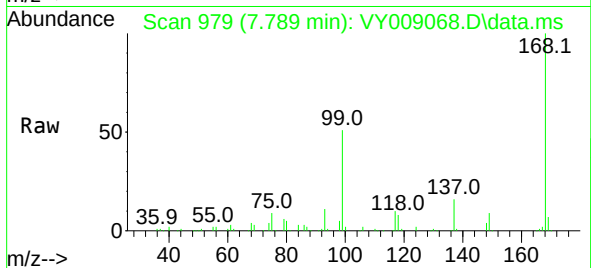
Tgt Ion: 75 Resp: 9470  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.1 51.2#  
77 0.0 24.4 36.6#



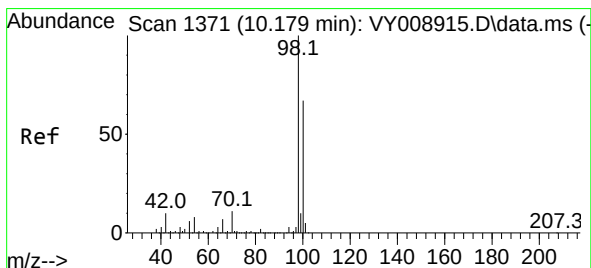
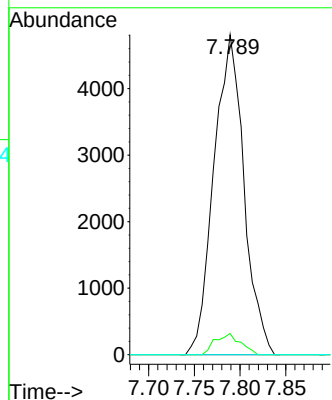
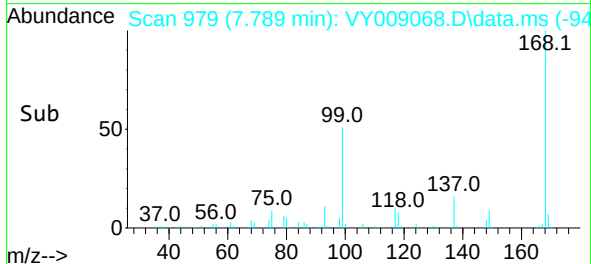


#38  
Carbon Tetrachloride  
Concen: 5.070 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Instrument :  
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ClientSampleId :  
P035-SS001-0612-01

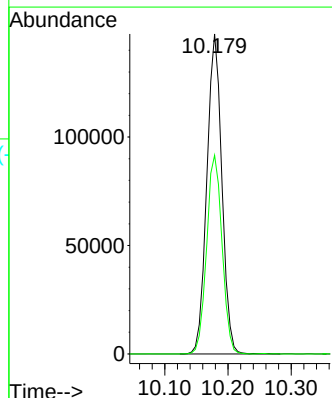
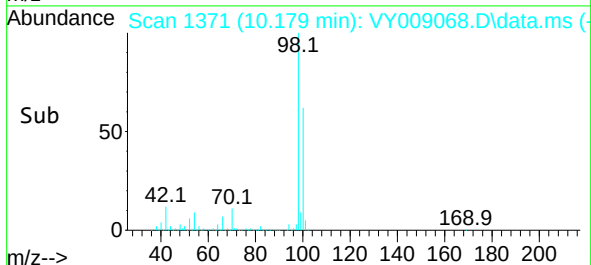
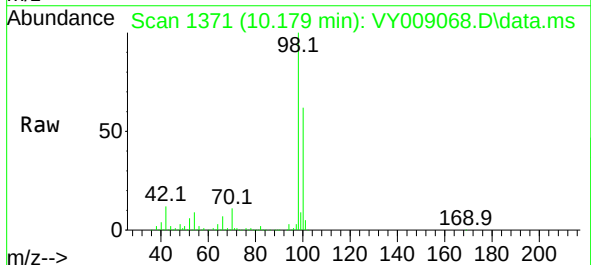


Tgt Ion:117 Resp: 10985  
Ion Ratio Lower Upper  
117 100  
119 6.6 77.9 116.9#  
121 0.0 24.8 37.2#

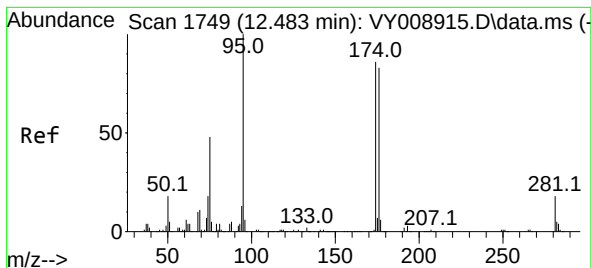


#50  
Toluene-d8  
Concen: 54.179 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Tgt Ion: 98 Resp: 243276  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.2 75.2



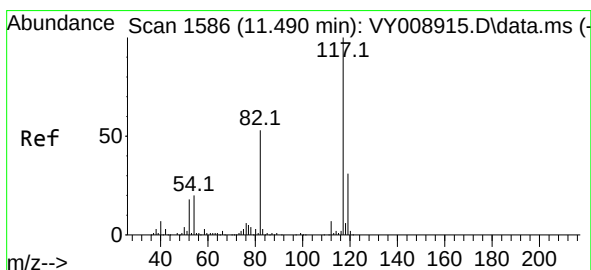
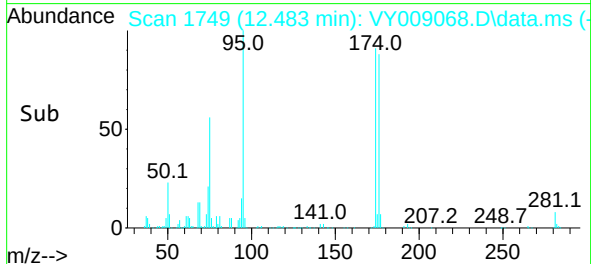
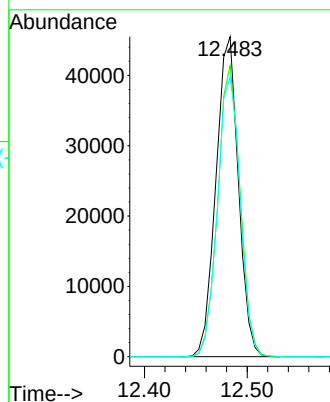
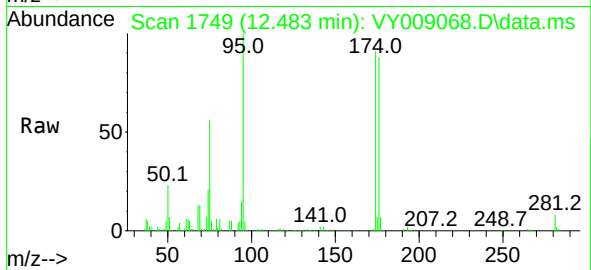




#62  
4-Bromofluorobenzene  
Concen: 38.021 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

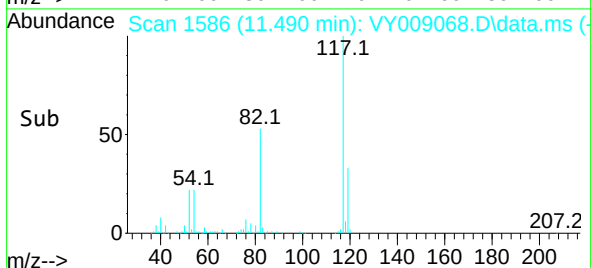
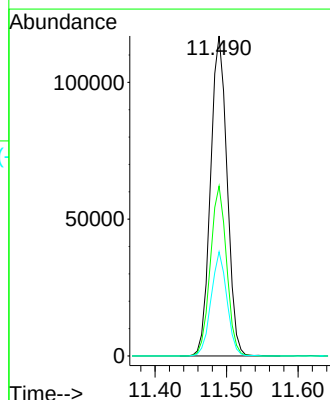
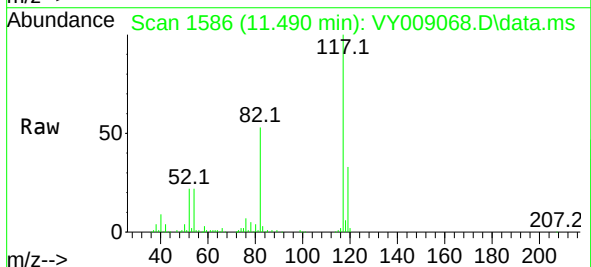
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0612-01

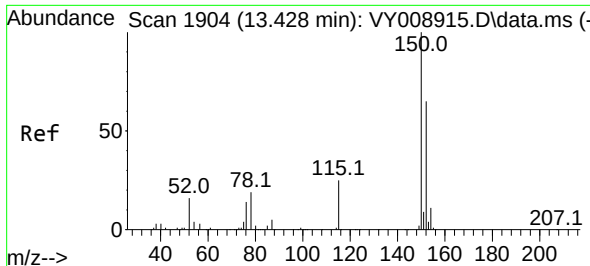
Tgt Ion: 95 Resp: 68867  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 177.0  
176 89.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY009068.D  
Acq: 24 May 2022 17:39

Tgt Ion: 117 Resp: 187878  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.0 64.4  
119 32.6 25.4 38.0

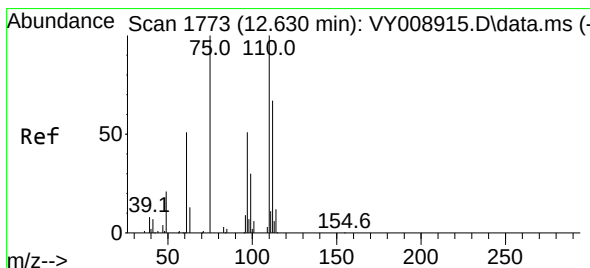
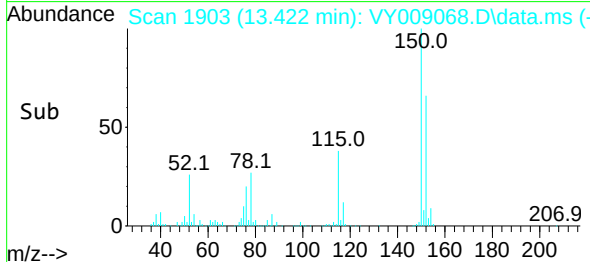
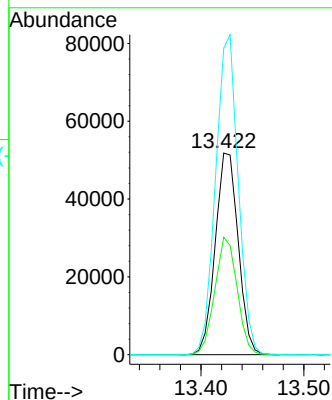
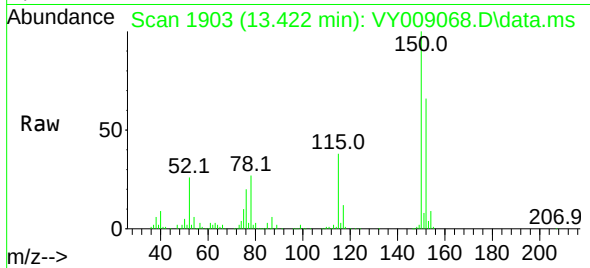




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY009068.D  
 Acq: 24 May 2022 17:39

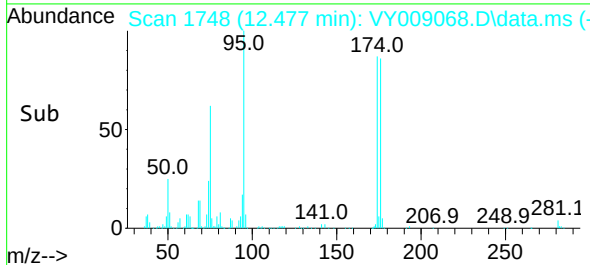
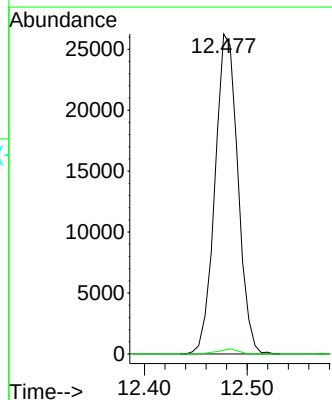
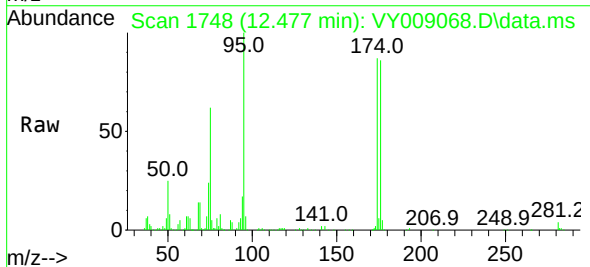
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P035-SS001-0612-01

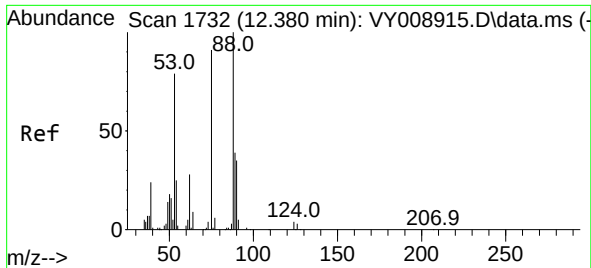
Tgt Ion:152 Resp: 80369  
 Ion Ratio Lower Upper  
 152 100  
 115 56.6 28.2 84.7  
 150 156.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 46.944 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY009068.D  
 Acq: 24 May 2022 17:39

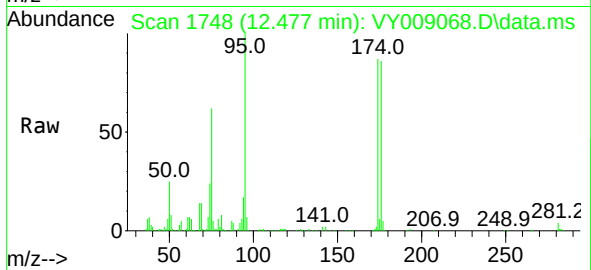
Tgt Ion: 75 Resp: 40516  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.353 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY009068.D  
 Acq: 24 May 2022 17:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P035-SS001-0612-01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 40516  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.1   | 85.3  | 127.9# |
| 89       | 0.0   | 37.0  | 55.4#  |

