

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
 Data File : VY007375.D  
 Acq On : 03 Feb 2022 14:27  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 08:40:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

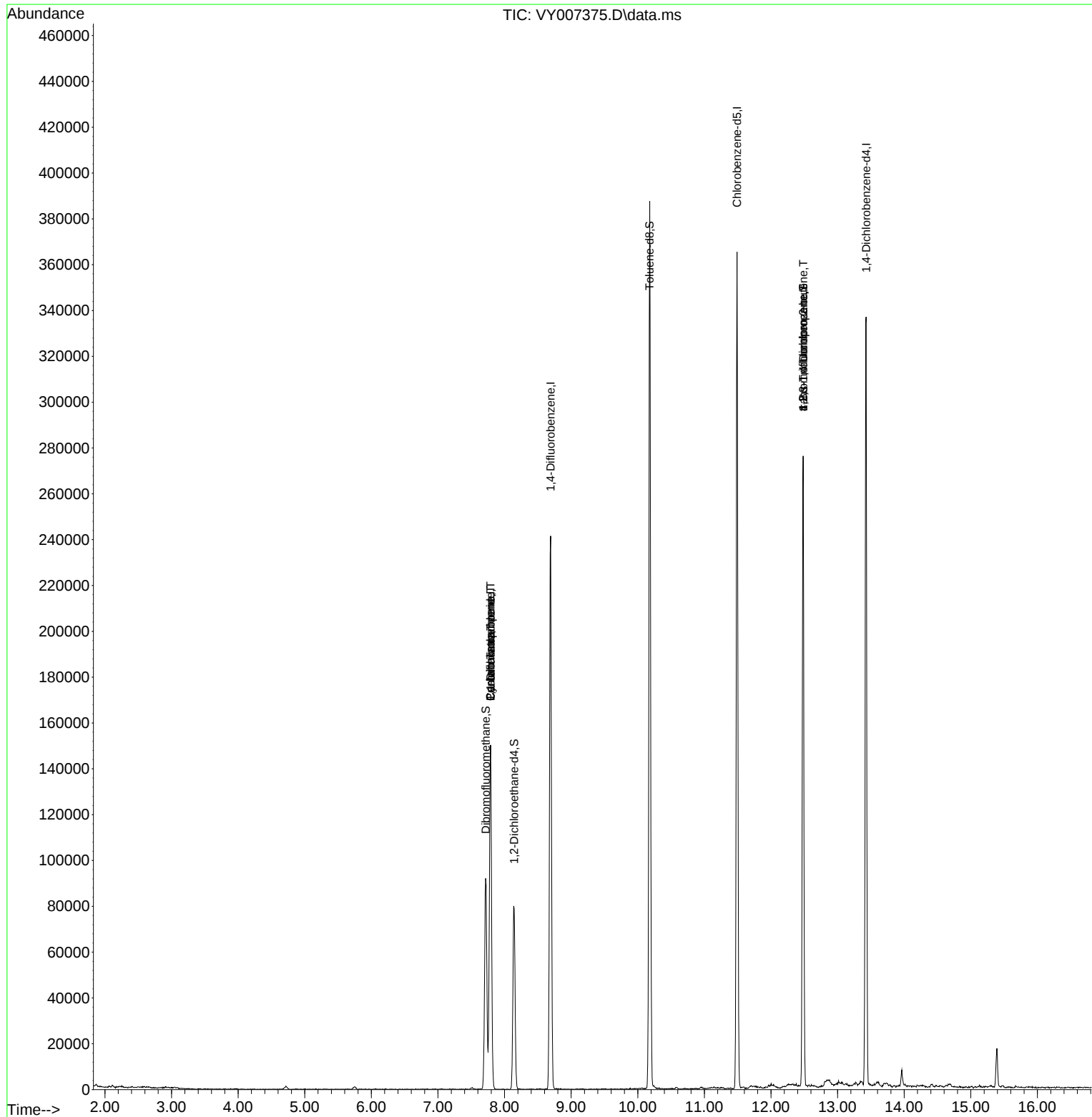
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 110732   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 204527   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 189654   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 82250    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 64097    | 50.324    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 100.640% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 66153    | 50.370    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 100.740% |          |
| 50) Toluene-d8                | 10.179 | 98    | 248803   | 51.277    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 102.560% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 87648    | 53.146    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 106.300% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.113  | 50    | 982      | Below Cal | #          | 87       |
| 20) Methylene Chloride        | 4.716  | 84    | 1045     | Below Cal | #          | 81       |
| 31) Cyclohexane               | 7.789  | 56    | 2569     | 1.034     | ug/l #     | 6        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 9590     | 4.177     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 12583    | 5.216     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 46012    | 47.057    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 46012    | 94.274    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

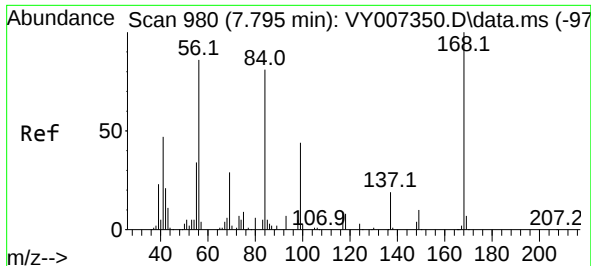
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :

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QLast Update : Thu Feb 03 04:36:48 2022  
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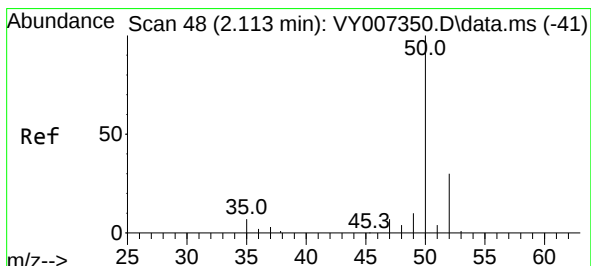
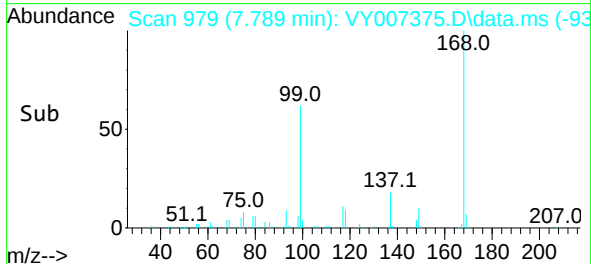
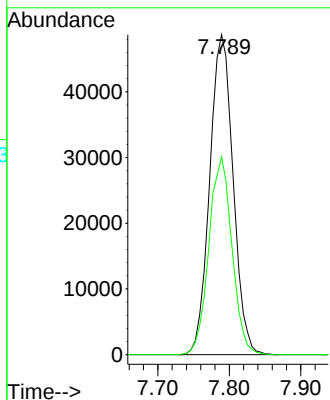
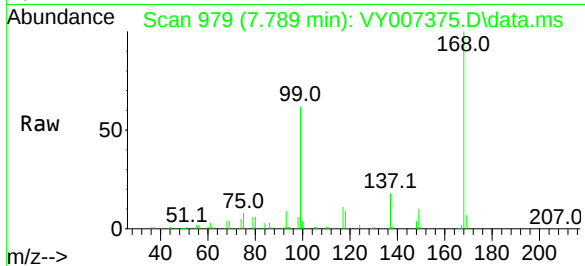




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

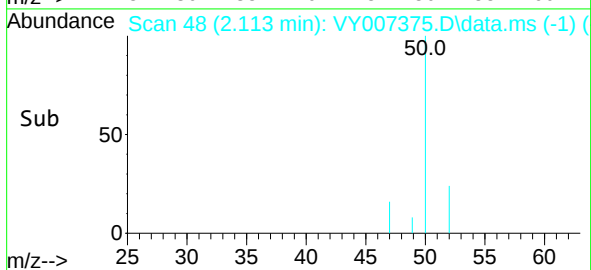
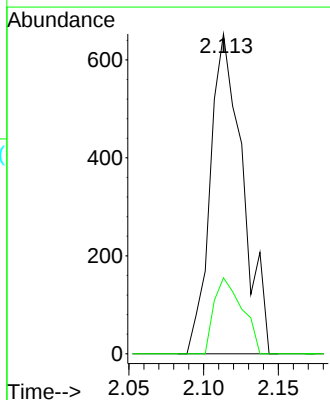
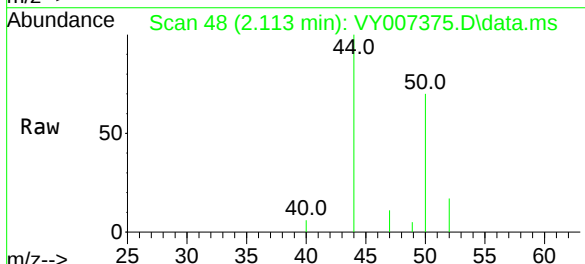
Instrument :  
MSVOA\_Y  
ClientSampleId :

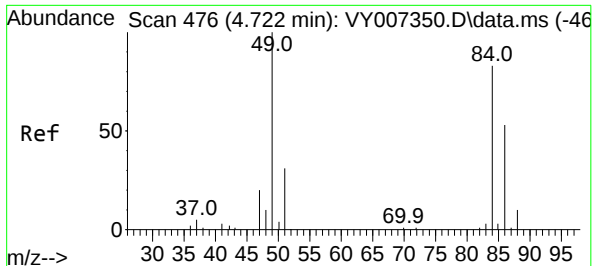
Tgt Ion:168 Resp: 110732  
Ion Ratio Lower Upper  
168 100  
99 61.8 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

Tgt Ion: 50 Resp: 982  
Ion Ratio Lower Upper  
50 100  
52 23.7 24.6 37.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. -0.006 min

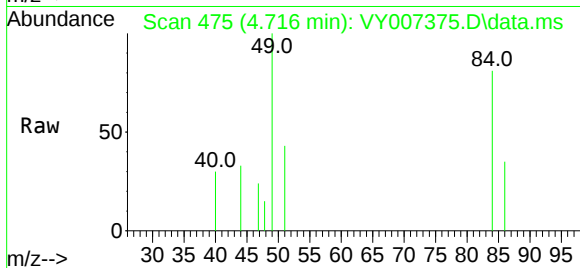
Lab File: VY007375.D

Acq: 03 Feb 2022 14:27

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1045

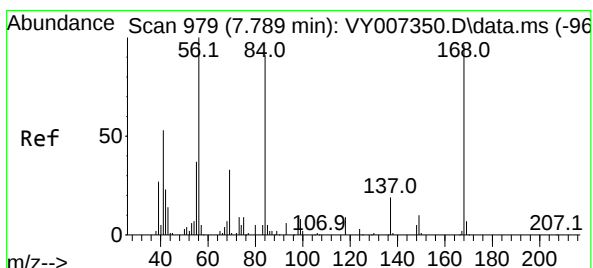
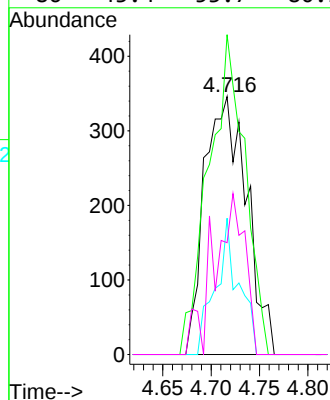
Ion Ratio Lower Upper

84 100

49 124.0 114.4 171.6

51 52.9 35.3 52.9

86 43.4 53.7 80.5#



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY007375.D

Acq: 03 Feb 2022 14:27

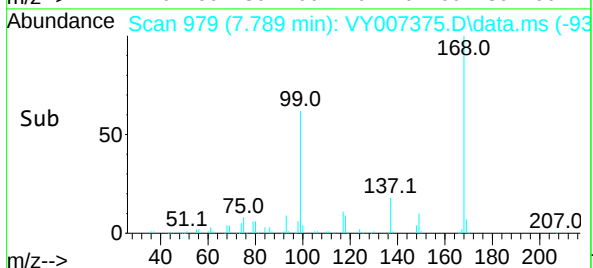
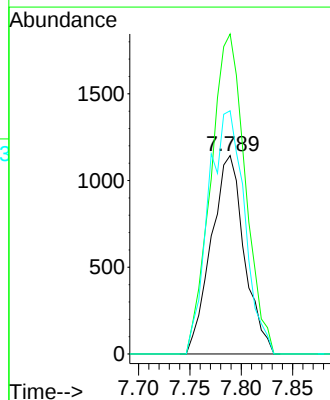
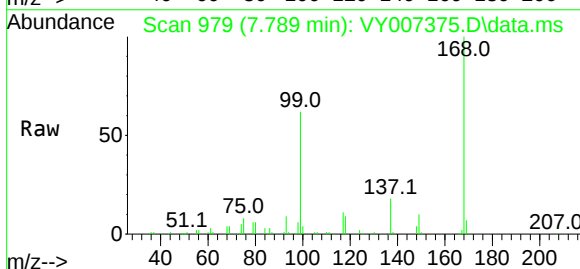
Tgt Ion: 56 Resp: 2569

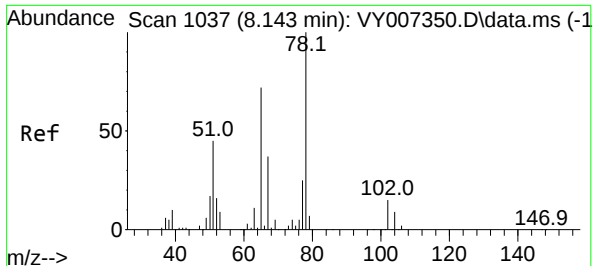
Ion Ratio Lower Upper

56 100

69 161.3 26.7 40.1#

84 122.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.324 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY007375.D

Acq: 03 Feb 2022 14:27

Instrument :

MSVOA\_Y

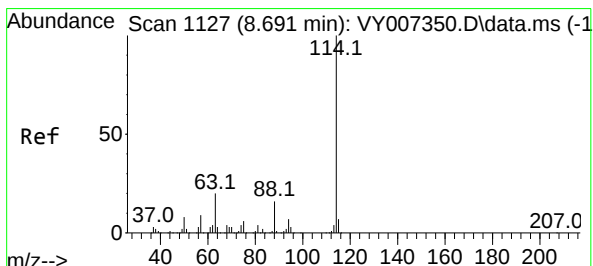
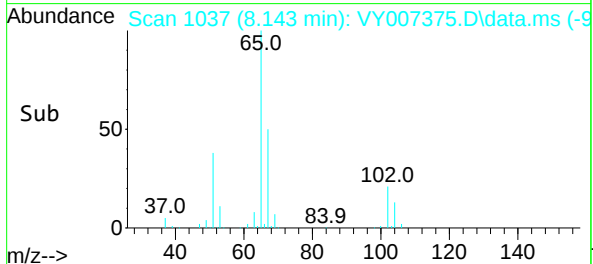
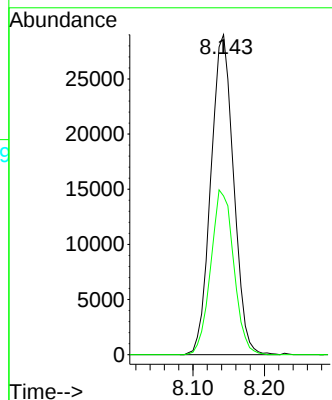
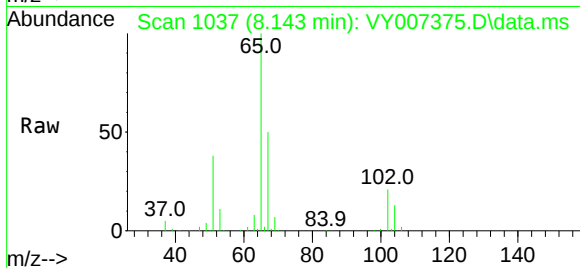
ClientSampleId :

Tgt Ion: 65 Resp: 64097

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007375.D

Acq: 03 Feb 2022 14:27

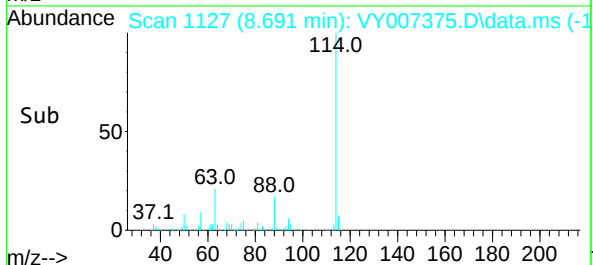
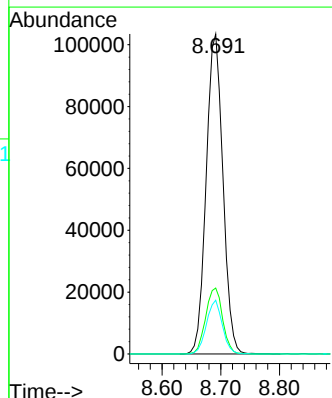
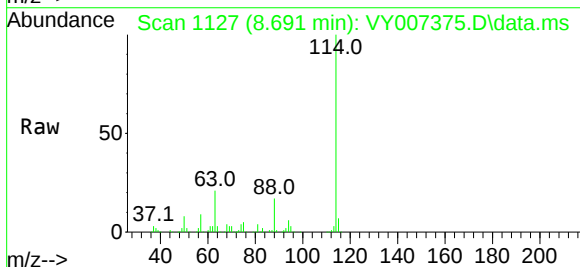
Tgt Ion: 114 Resp: 204527

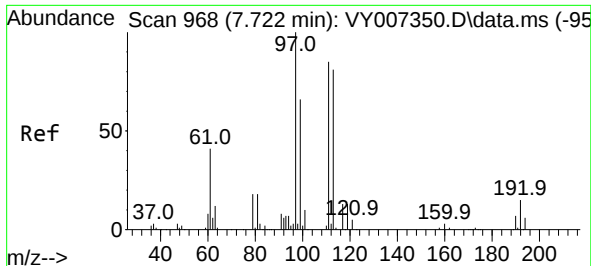
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

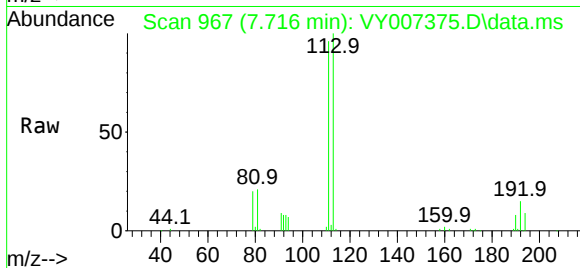
88 16.8 0.0 31.8



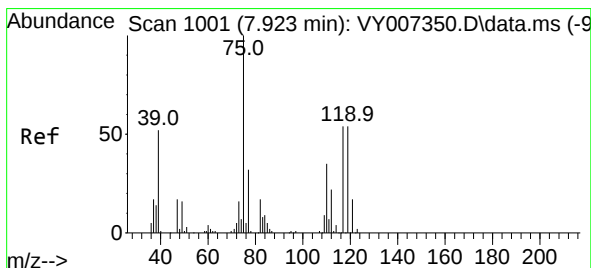
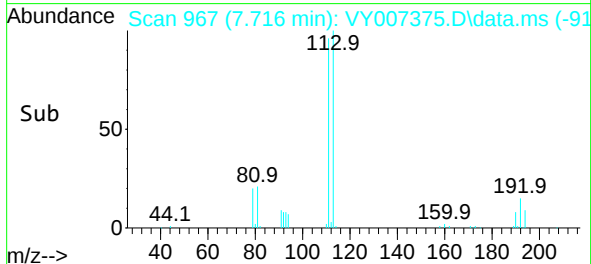
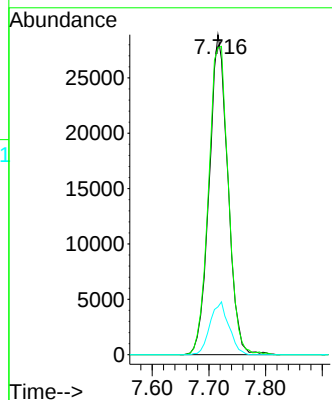


#35  
Dibromofluoromethane  
Concen: 50.370 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

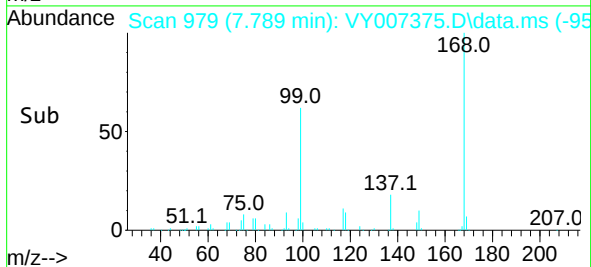
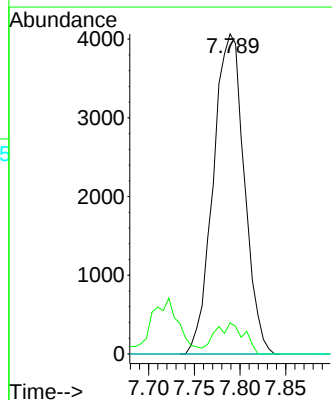
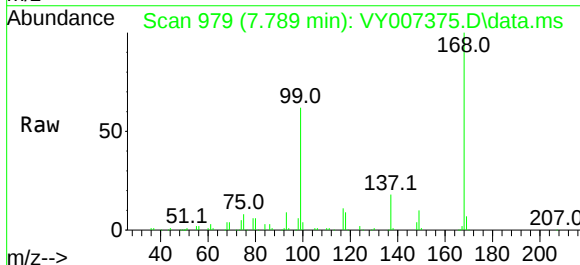


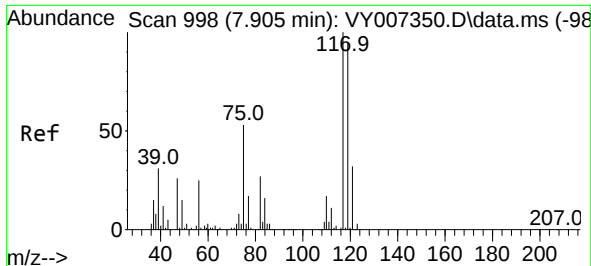
Tgt Ion:113 Resp: 66153  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 16.6 17.6 26.4#



#36  
1,1-Dichloropropene  
Concen: 4.177 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

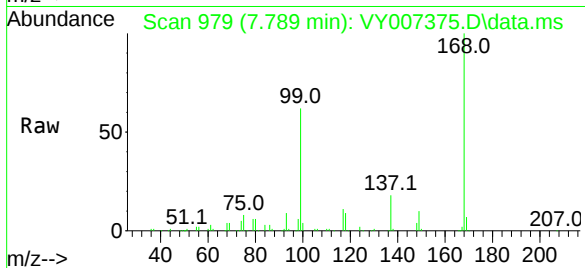
Tgt Ion: 75 Resp: 9590  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.1 51.2#  
77 0.0 24.4 36.6#



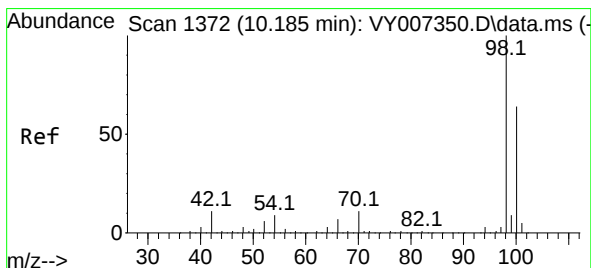
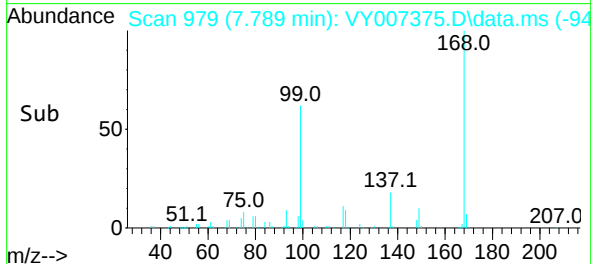
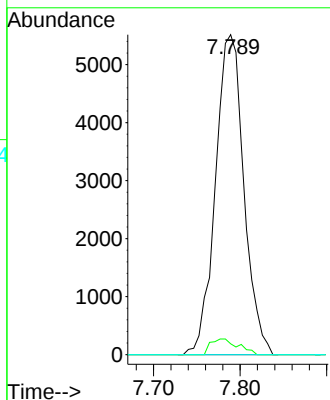


#38  
Carbon Tetrachloride  
Concen: 5.216 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

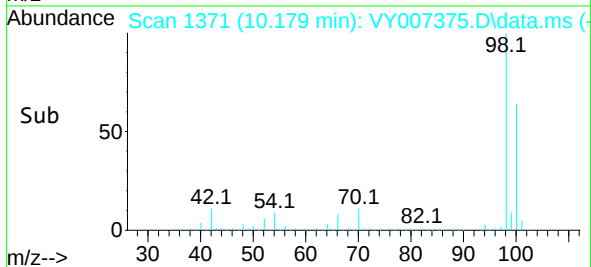
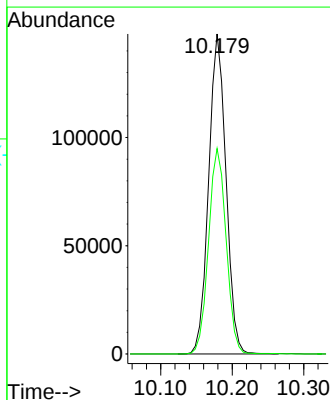
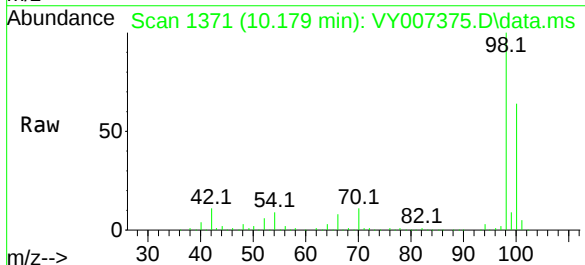


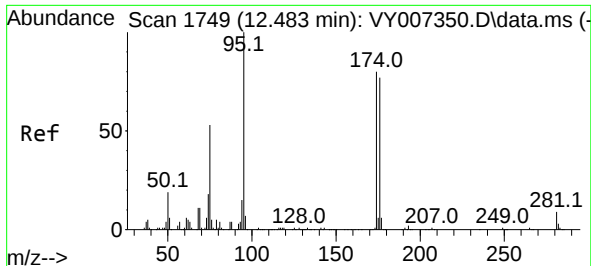
Tgt Ion:117 Resp: 12583  
Ion Ratio Lower Upper  
117 100  
119 3.4 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.277 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

Tgt Ion: 98 Resp: 248803  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 53.146 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007375.D

Acq: 03 Feb 2022 14:27

Instrument :

MSVOA\_Y

ClientSampleId :

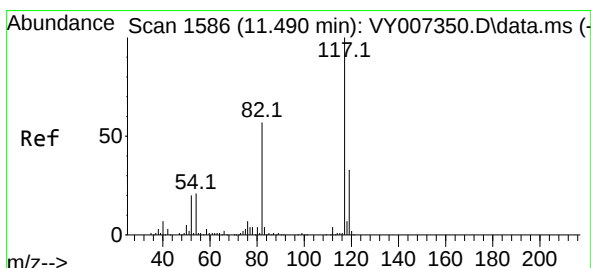
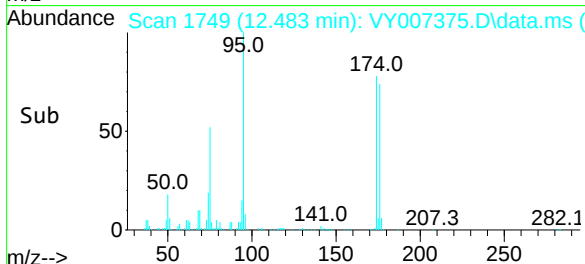
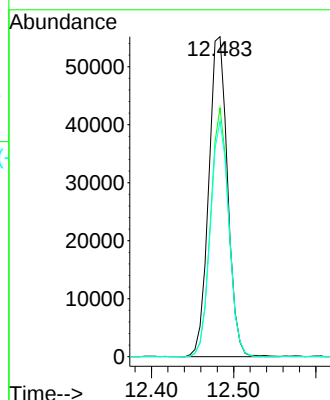
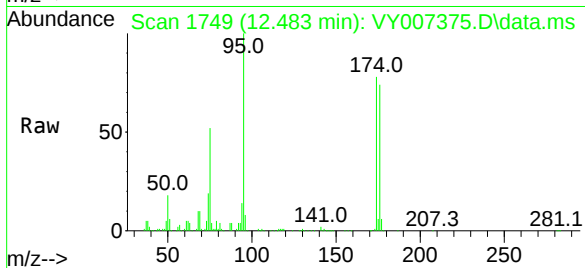
Tgt Ion: 95 Resp: 87648

Ion Ratio Lower Upper

95 100

174 74.8 0.0 177.0

176 72.6 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: VY007375.D

Acq: 03 Feb 2022 14:27

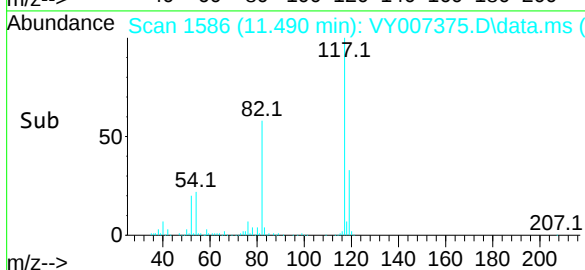
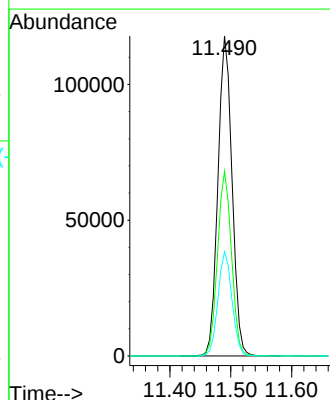
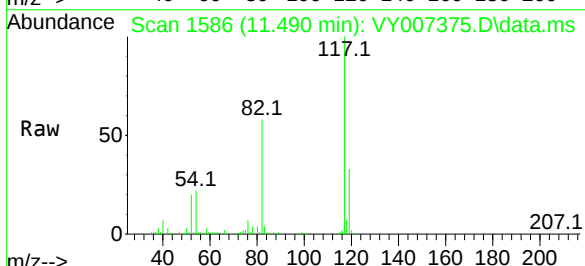
Tgt Ion: 117 Resp: 189654

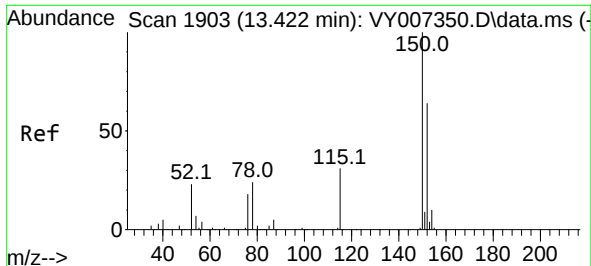
Ion Ratio Lower Upper

117 100

82 57.7 43.0 64.4

119 32.6 25.4 38.0

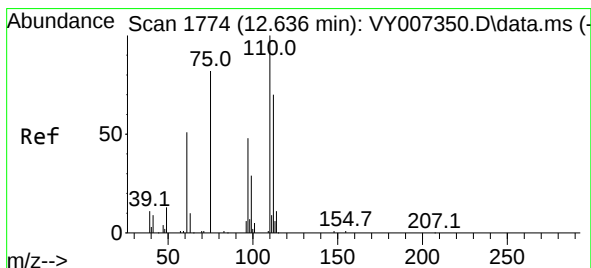
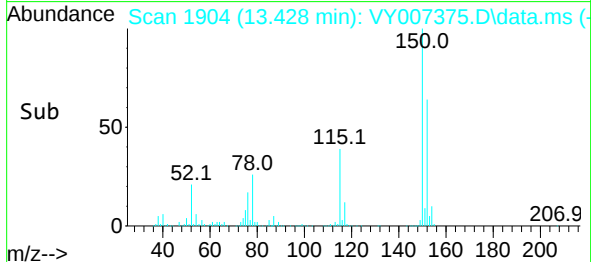
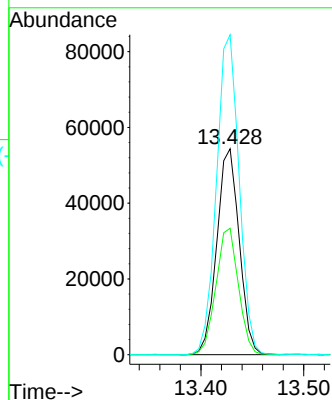
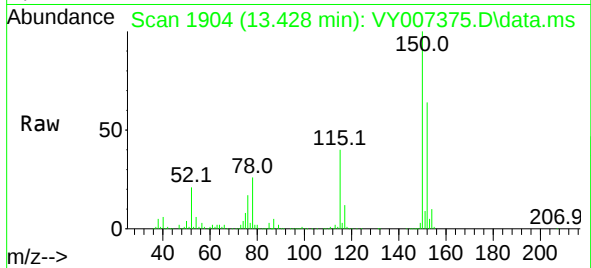




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

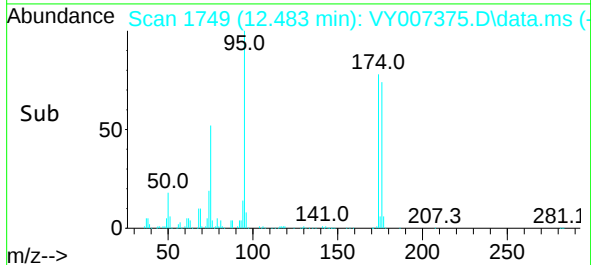
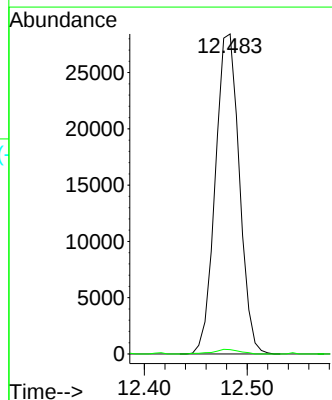
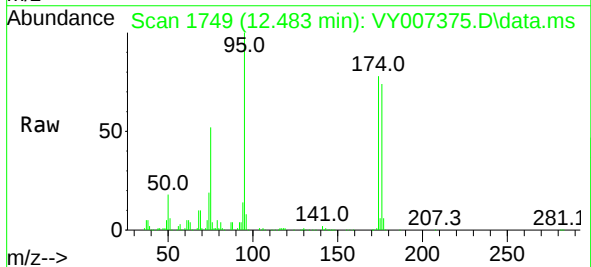
Instrument :  
MSVOA\_Y  
ClientSampleId :

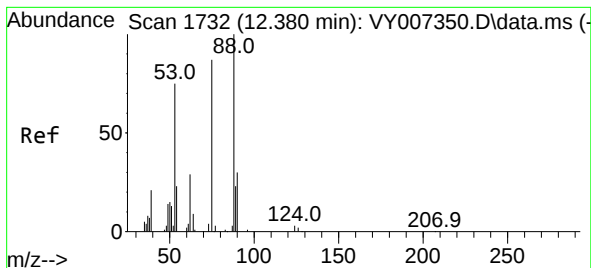
Tgt Ion:152 Resp: 82250  
Ion Ratio Lower Upper  
152 100  
115 61.8 28.2 84.7  
150 156.7 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 47.057 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY007375.D  
Acq: 03 Feb 2022 14:27

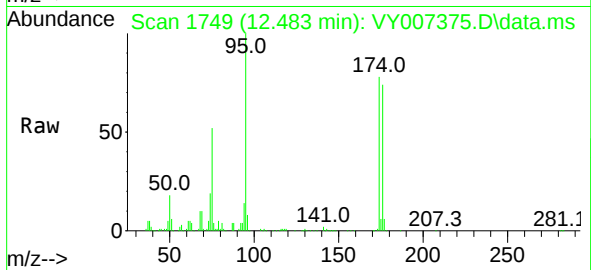
Tgt Ion: 75 Resp: 46012  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 94.274 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY007375.D  
 Acq: 03 Feb 2022 14:27

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 46012  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

