

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081422\  
 Data File : VY010008.D  
 Acq On : 14 Aug 2022 19:27  
 Operator : KP/MD  
 Sample : N4189-05  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB20

Quant Time: Aug 15 00:41:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 13 02:54:57 2022  
 Response via : Initial Calibration

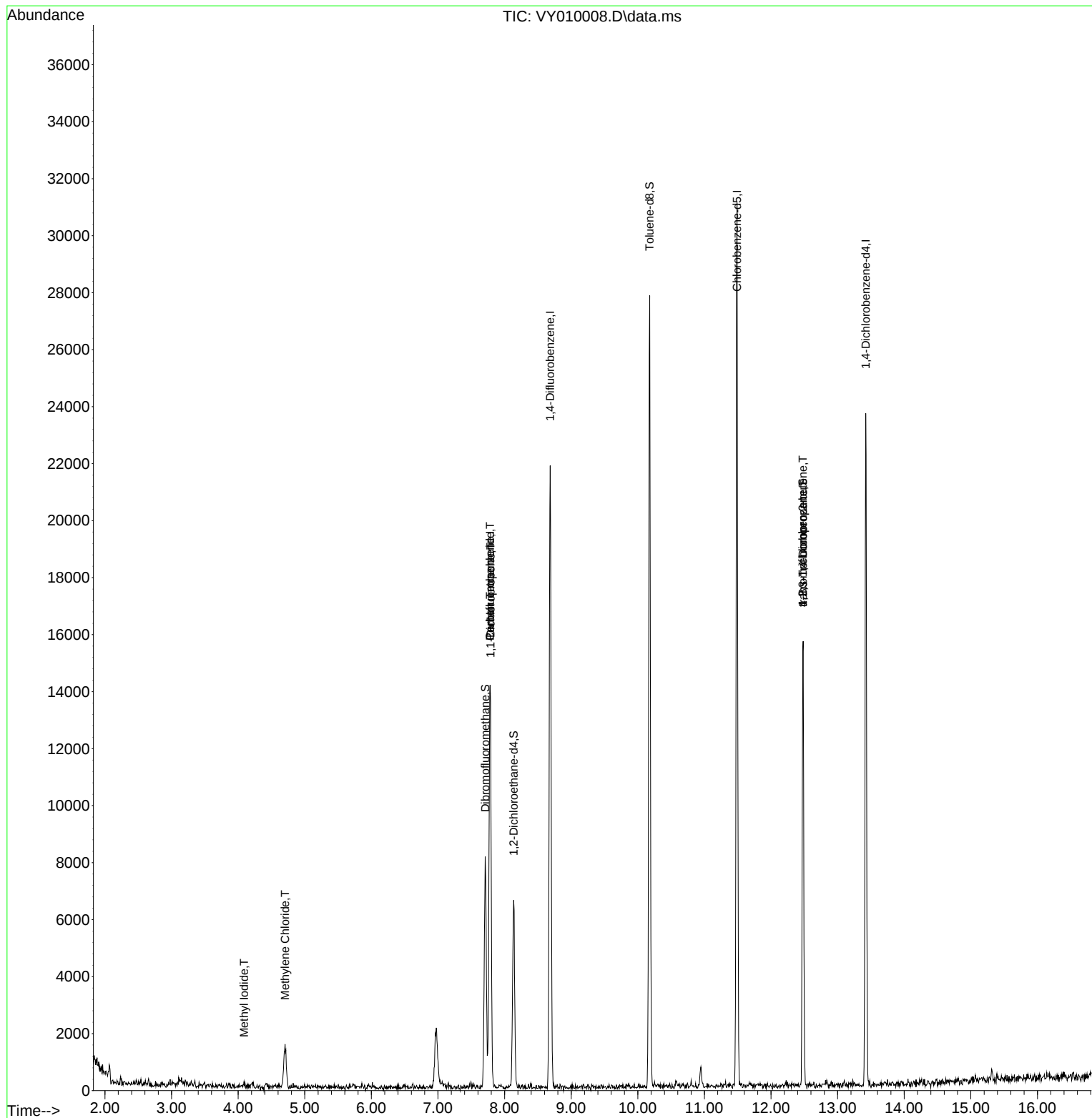
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 11887    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 20548    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 17711    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 6500     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 5162     | 42.809    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.620%  |
| 35) Dibromofluoromethane      | 7.710  | 113   | 5443     | 43.280    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 86.560%  |
| 50) Toluene-d8                | 10.179 | 98    | 19365    | 40.187    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 80.380%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 5480     | 31.039    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 62.080%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.662  | 94    | 61       | Below Cal | #      | 3        |
| 10) Methyl Iodide             | 4.088  | 142   | 178      | 1.132     | ug/l # | 40       |
| 20) Methylene Chloride        | 4.704  | 84    | 1301     | 2.957     | ug/l # | 92       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 770      | 4.112     | ug/l # | 40       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 1169     | 6.255     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 2300     | 30.620    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 2300     | 66.563    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

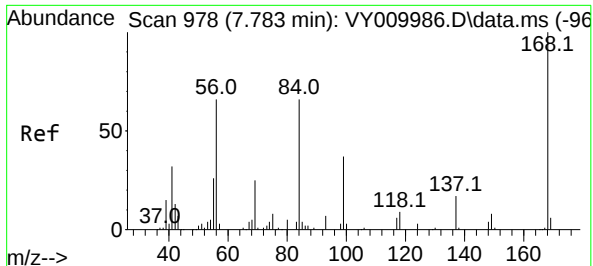
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB20

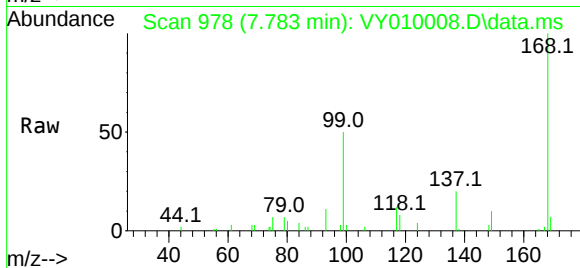
Quant Time: Aug 15 00:41:29 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 13 02:54:57 2022  
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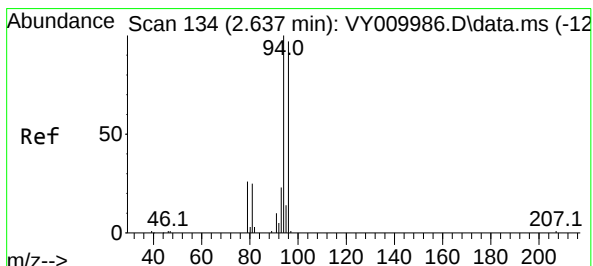
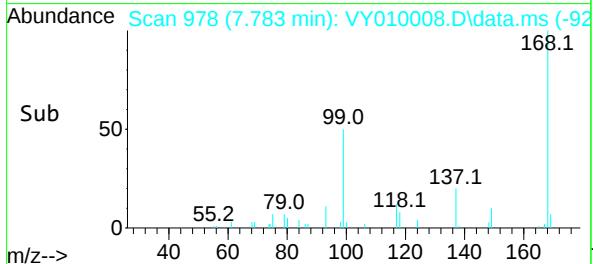
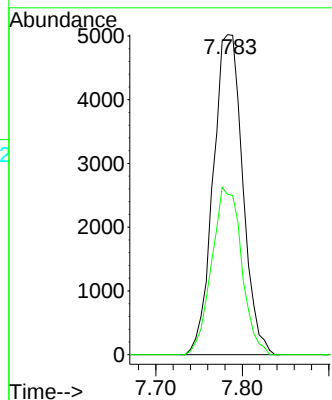


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

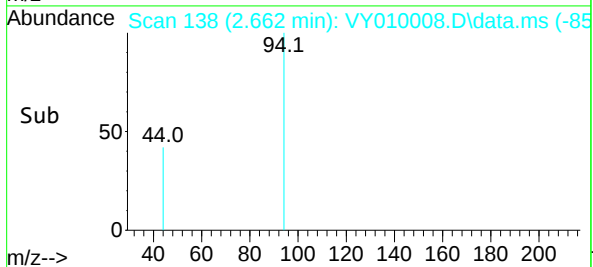
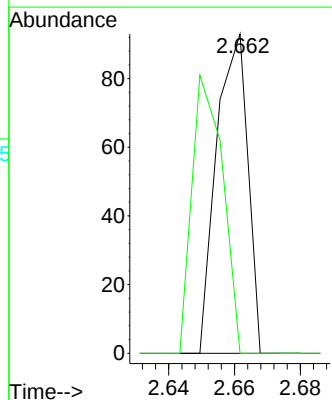
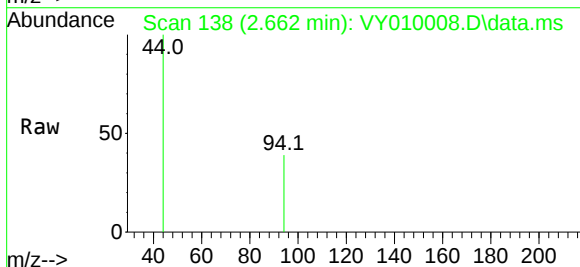


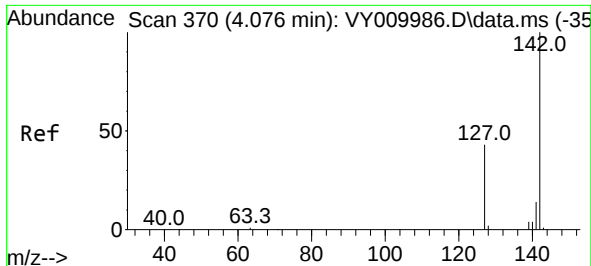
Tgt Ion:168 Resp: 11887  
Ion Ratio Lower Upper  
168 100  
99 50.1 42.1 63.1



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 138  
Delta R.T. 0.025 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Tgt Ion: 94 Resp: 61  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.6 111.8#

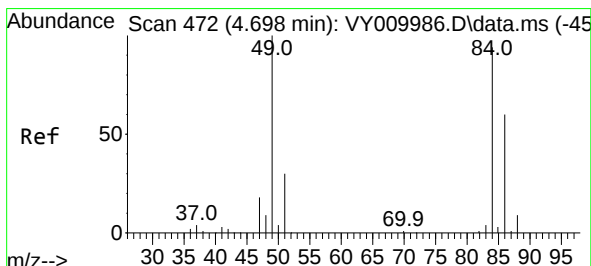
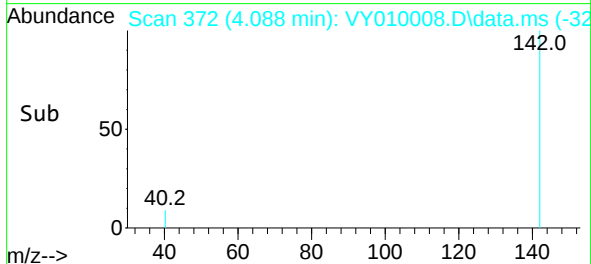
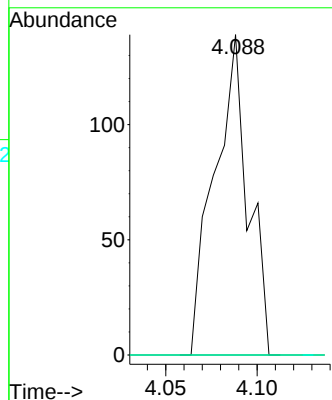
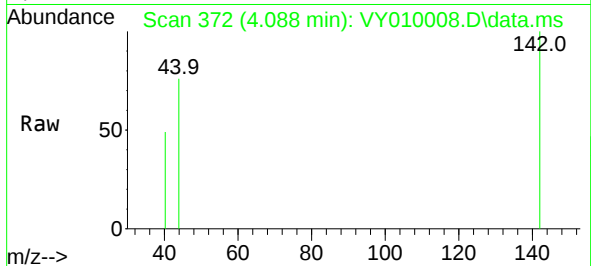




#10  
Methyl Iodide  
Concen: 1.132 ug/l  
RT: 4.088 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

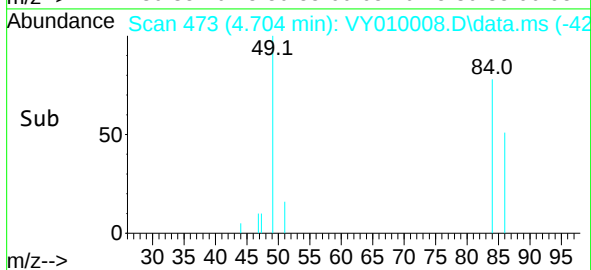
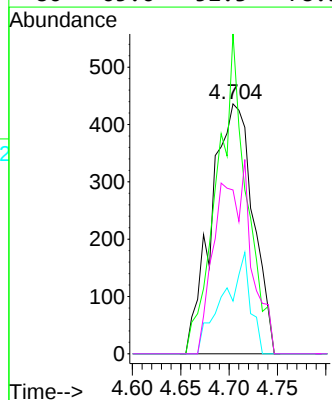
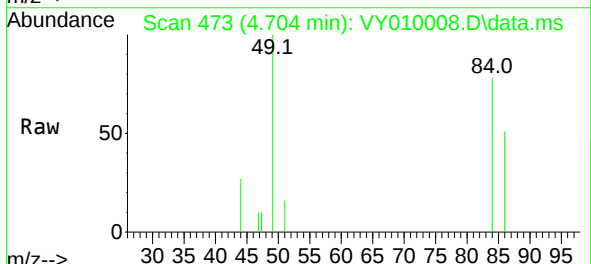
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

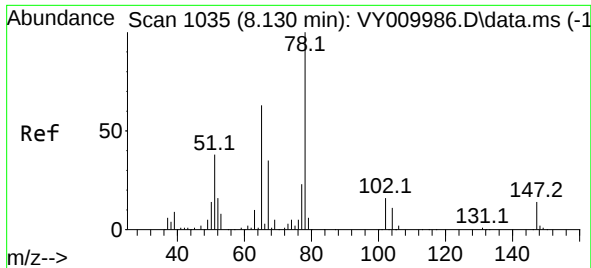
Tgt Ion:142 Resp: 178  
Ion Ratio Lower Upper  
142 100  
127 0.0 35.2 52.8#  
141 0.0 11.4 17.2#



#20  
Methylene Chloride  
Concen: 2.957 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.006 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Tgt Ion: 84 Resp: 1301  
Ion Ratio Lower Upper  
84 100  
49 128.0 98.2 147.4  
51 21.1 33.4 50.0#  
86 65.6 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 42.809 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY010008.D

Acq: 14 Aug 2022 19:27

Instrument :

MSVOA\_Y

ClientSampleId :

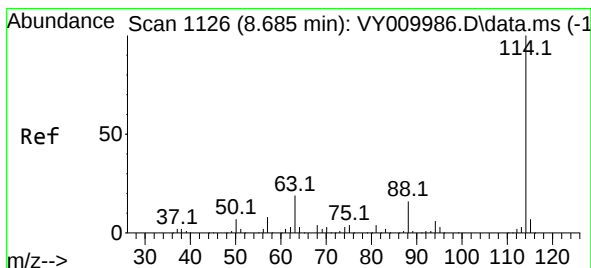
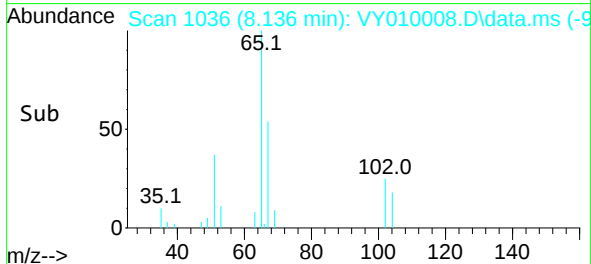
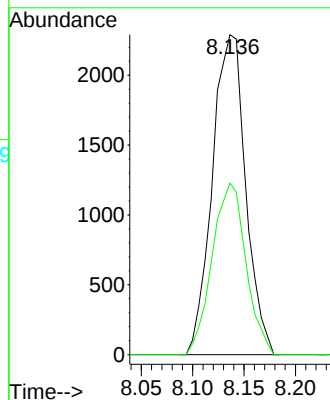
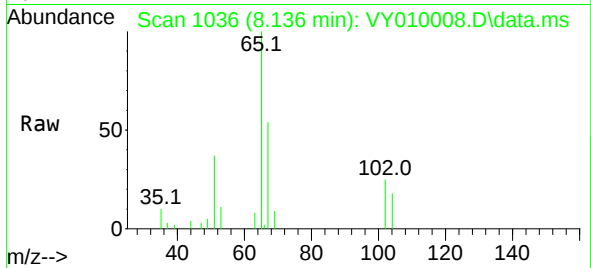
SB20

Tgt Ion: 65 Resp: 5162

Ion Ratio Lower Upper

65 100

67 54.3 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: VY010008.D

Acq: 14 Aug 2022 19:27

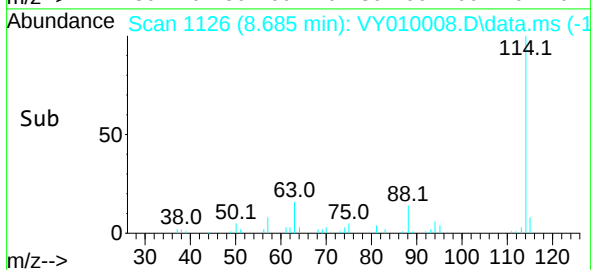
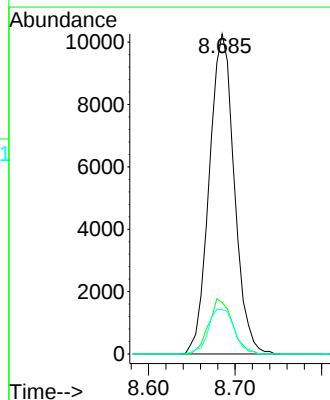
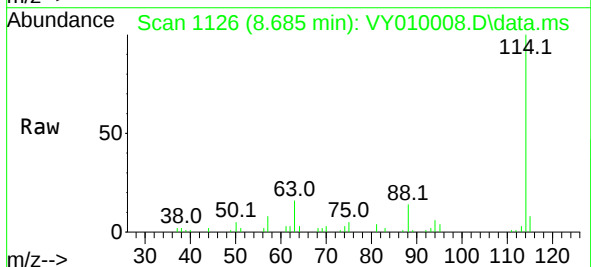
Tgt Ion: 114 Resp: 20548

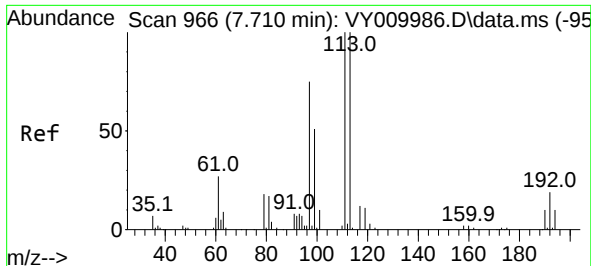
Ion Ratio Lower Upper

114 100

63 16.1 0.0 38.0

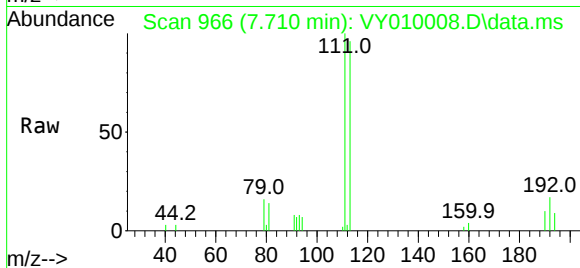
88 13.9 0.0 30.0



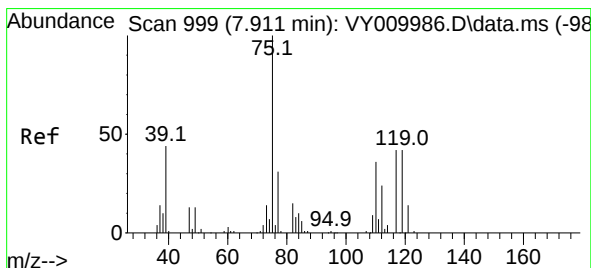
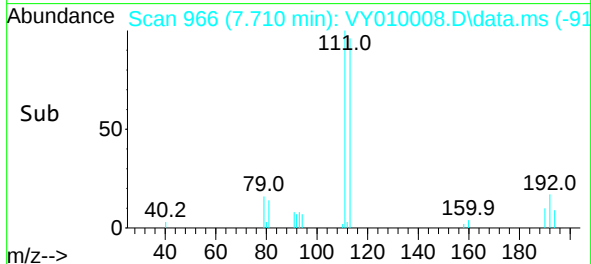
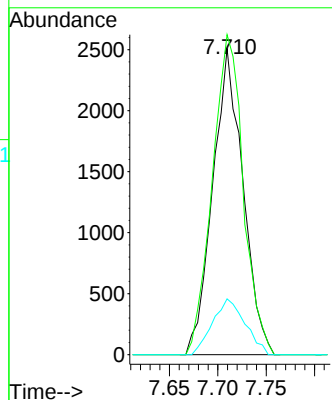


#35  
Dibromofluoromethane  
Concen: 43.280 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

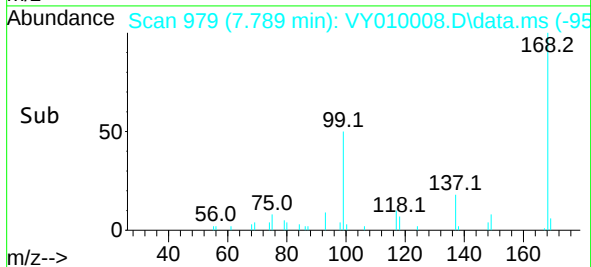
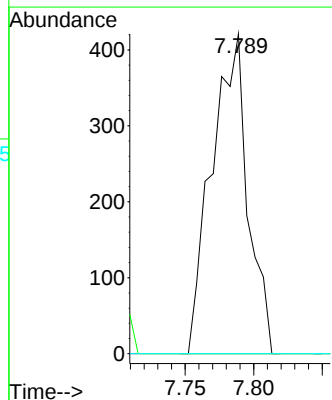
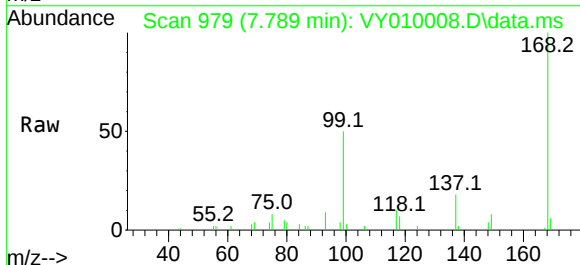


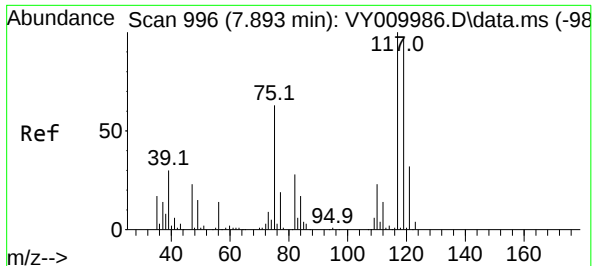
Tgt Ion:113 Resp: 5443  
Ion Ratio Lower Upper  
113 100  
111 107.1 80.6 120.8  
192 19.6 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.112 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Tgt Ion: 75 Resp: 770  
Ion Ratio Lower Upper  
75 100  
110 0.0 18.6 56.0#  
77 0.0 25.0 37.4#

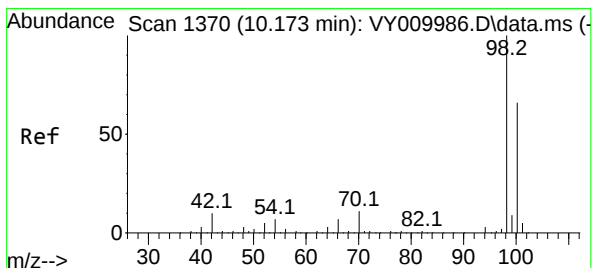
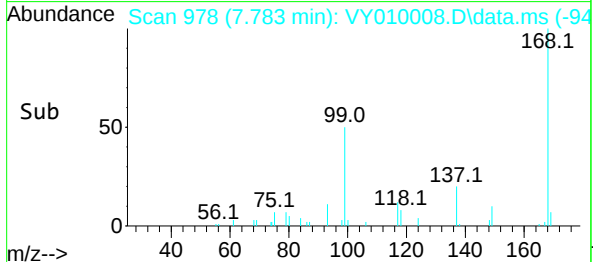
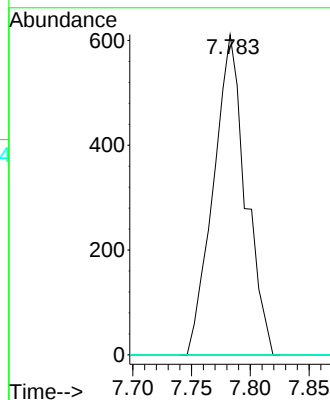
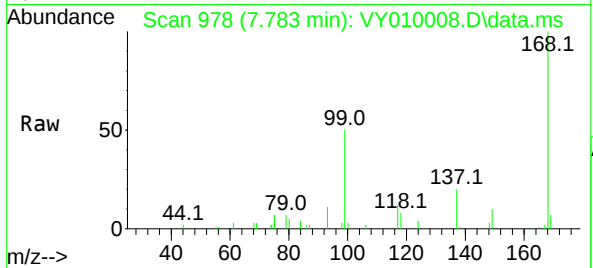




#38  
Carbon Tetrachloride  
Concen: 6.255 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

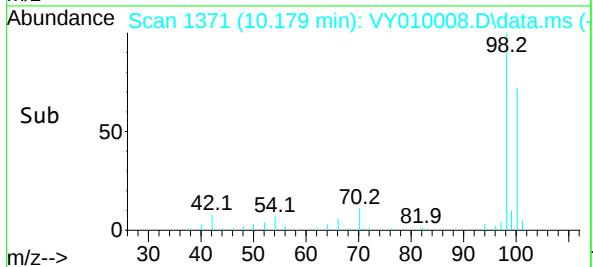
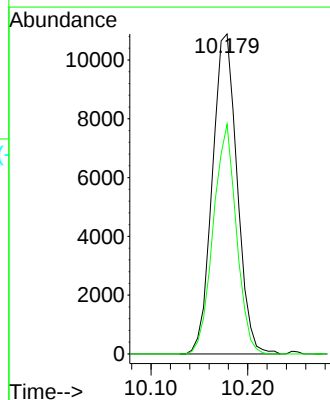
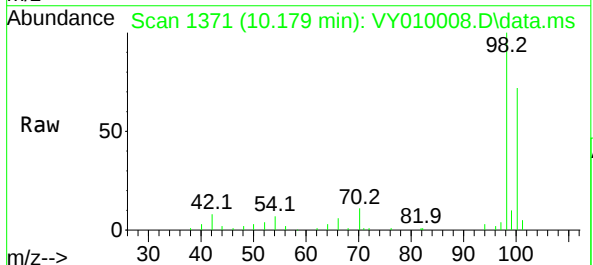
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

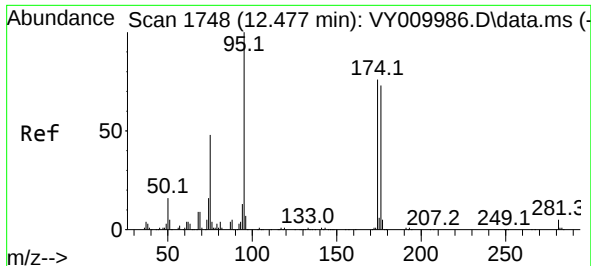
Tgt Ion:117 Resp: 1169  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.9 113.9#  
121 0.0 24.9 37.3#



#50  
Toluene-d8  
Concen: 40.187 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Tgt Ion: 98 Resp: 19365  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.9 79.3

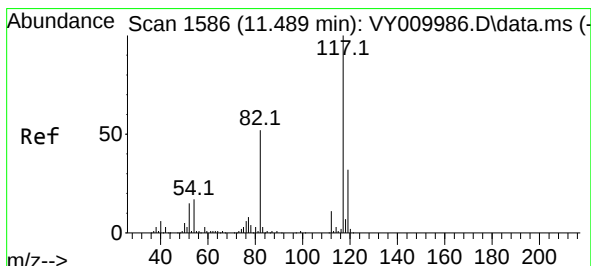
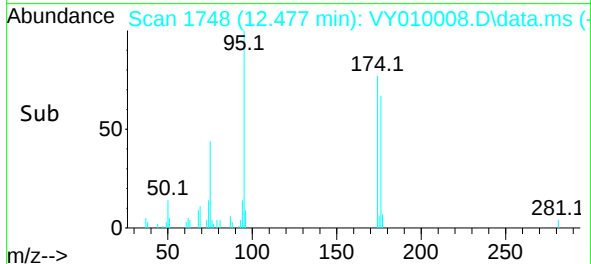
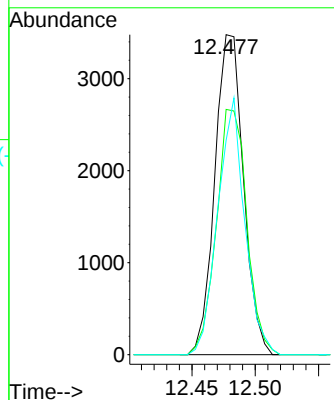
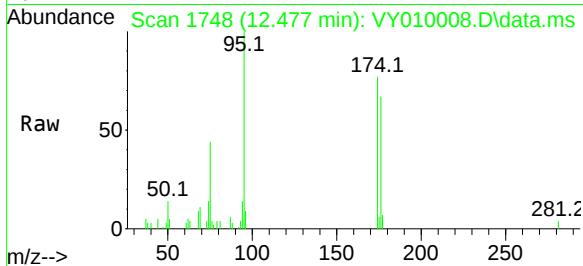




#62  
4-Bromofluorobenzene  
Concen: 31.039 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

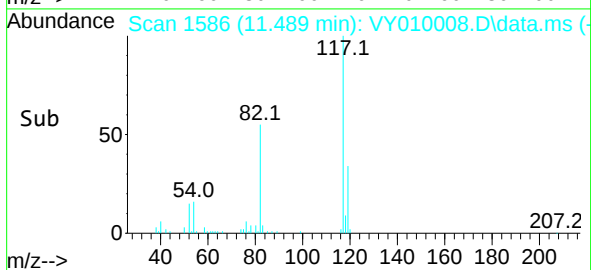
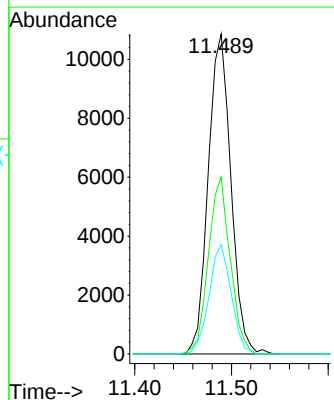
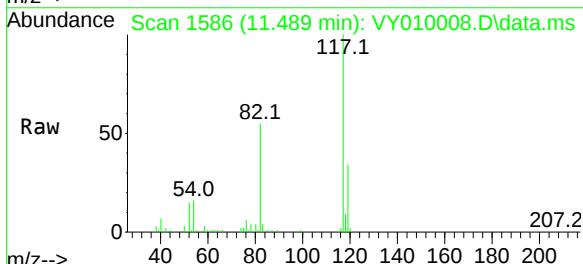
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

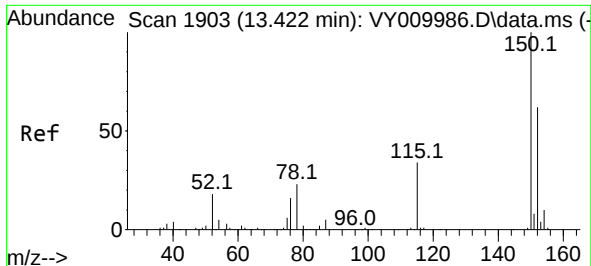
Tgt Ion: 95 Resp: 5480  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 173.8  
176 75.5 0.0 167.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010008.D  
Acq: 14 Aug 2022 19:27

Tgt Ion: 117 Resp: 17711  
Ion Ratio Lower Upper  
117 100  
82 55.3 41.8 62.6  
119 34.2 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: VY010008.D

Acq: 14 Aug 2022 19:27

Instrument :

MSVOA\_Y

ClientSampleId :

SB20

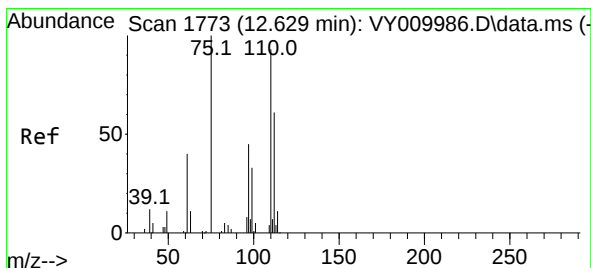
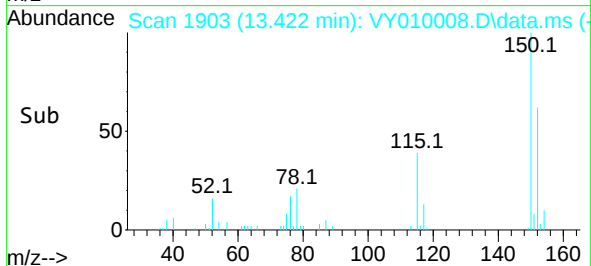
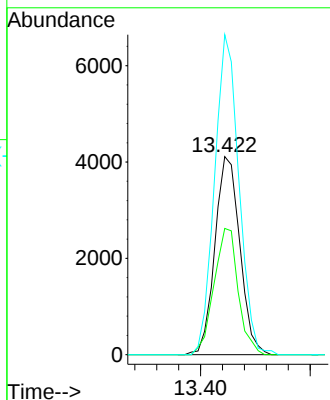
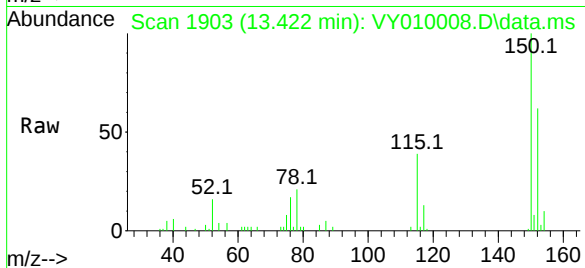
Tgt Ion:152 Resp: 6500

Ion Ratio Lower Upper

152 100

115 61.9 28.6 85.9

150 157.7 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 30.620 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010008.D

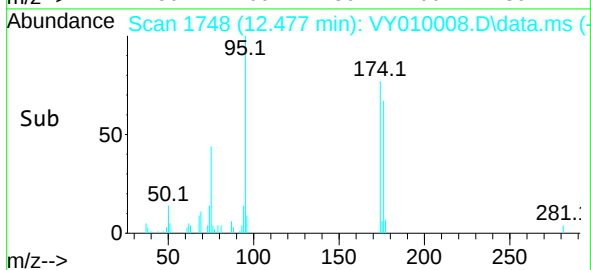
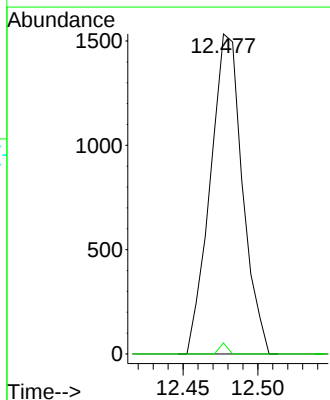
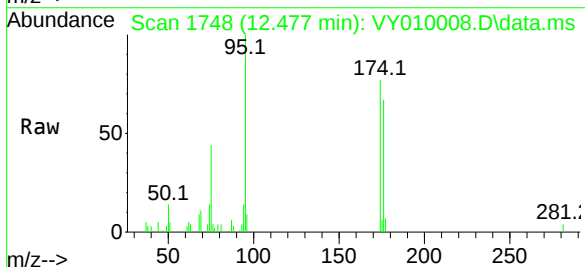
Acq: 14 Aug 2022 19:27

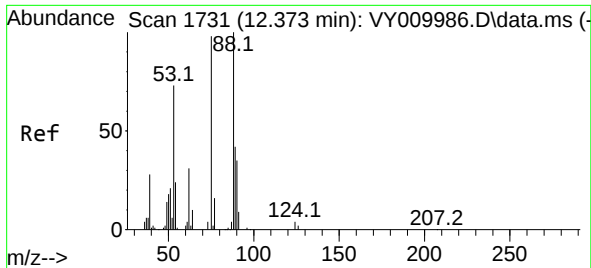
Tgt Ion: 75 Resp: 2300

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.563 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY010008.D  
 Acq: 14 Aug 2022 19:27

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB20

Tgt Ion: 75 Resp: 2300  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 71.4 107.2#  
 89 0.0 38.1 57.1#

