

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122222\  
 Data File : VY011975.D  
 Acq On : 22 Dec 2022 15:25  
 Operator : KP/MD  
 Sample : N6151-05  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-01-(0-2)

Quant Time: Dec 23 04:32:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

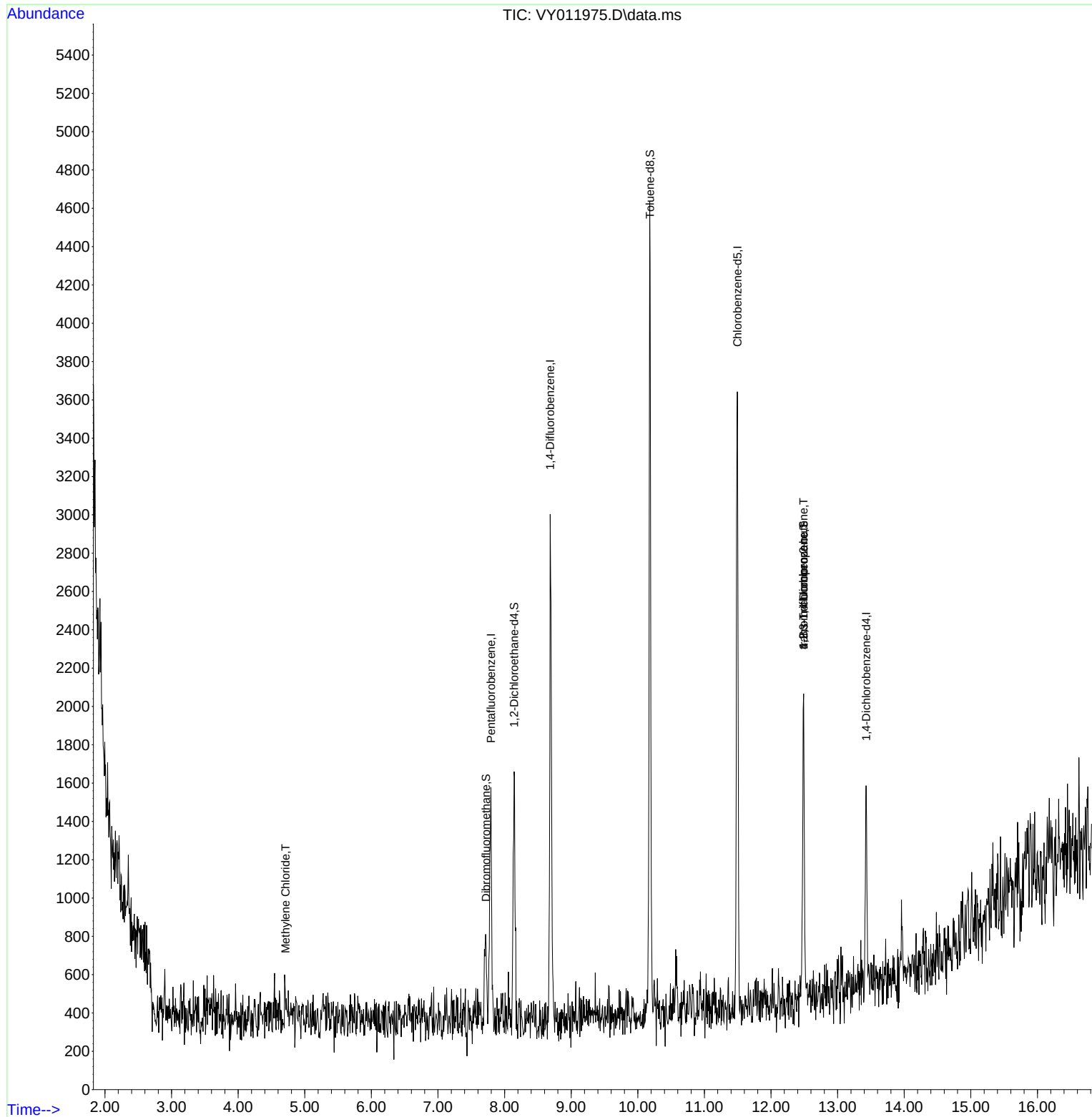
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 1285     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 2897     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495    | 117   | 2280     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 459      | 50.000   | ug/l       | 0.00     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 1014     | 78.325   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 156.640% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 468      | 26.834   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 53.660%# |          |
| 50) Toluene-d8                | 10.184    | 98    | 3146     | 44.459   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 88.920%  |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 466      | 19.581   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 39.160%  |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 20) Methylene Chloride        | 4.710     | 84    | 130      | 3.071    | ug/l #     | 8        |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 257      | 44.997   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 257      | 123.224  | ug/l #     | 13       |
| -----                         |           |       |          |          |            |          |

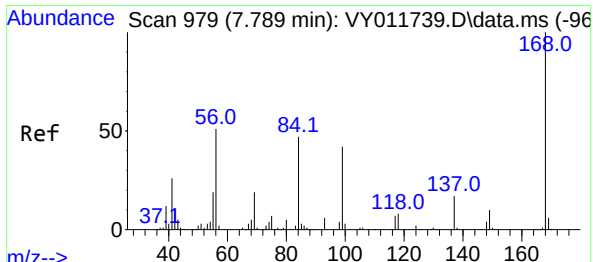
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122222\  
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Operator : KP/MD  
Sample : N6151-05  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-01-(0-2)

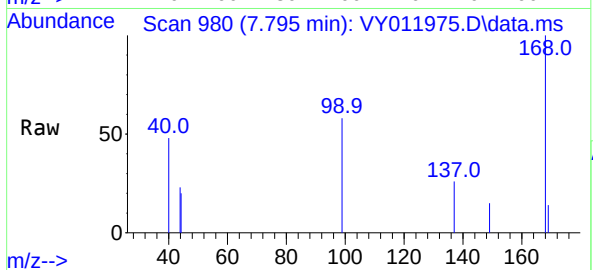
Quant Time: Dec 23 04:32:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration



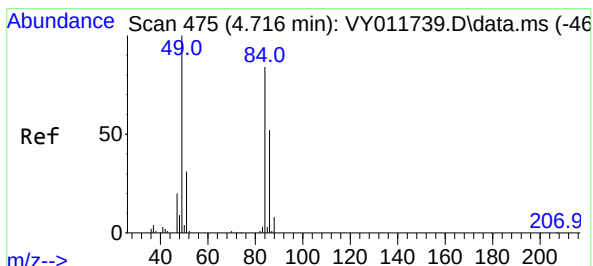
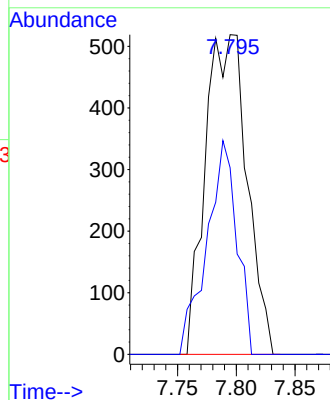
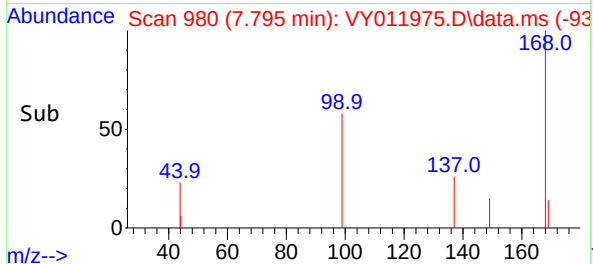


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-01-(0-2)

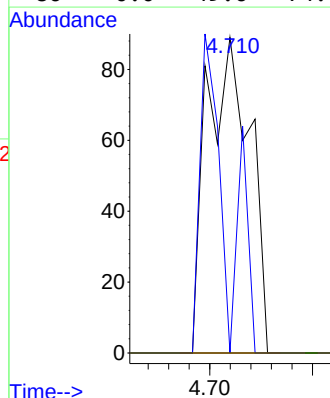
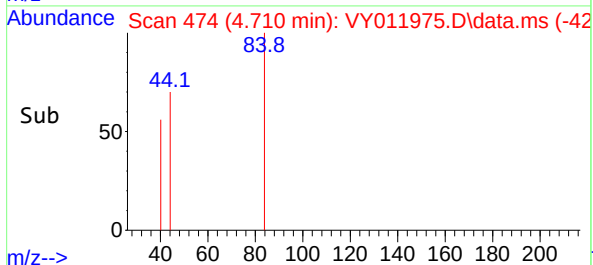
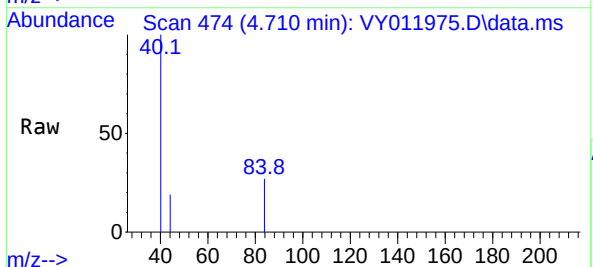


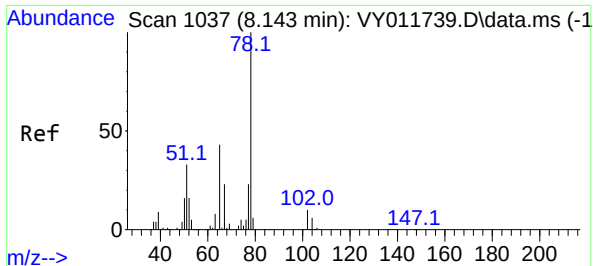
Tgt Ion:168 Resp: 1285  
Ion Ratio Lower Upper  
168 100  
99 58.4 44.0 66.0



#20  
Methylene Chloride  
Concen: 3.071 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

Tgt Ion: 84 Resp: 130  
Ion Ratio Lower Upper  
84 100  
49 0.0 95.4 143.2#  
51 0.0 29.9 44.9#  
86 0.0 49.6 74.4#





#33

1,2-Dichloroethane-d4

Concen: 78.325 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011975.D

Acq: 22 Dec 2022 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

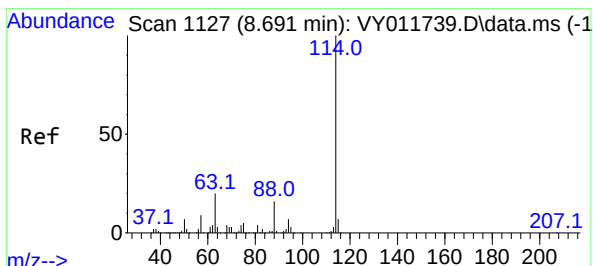
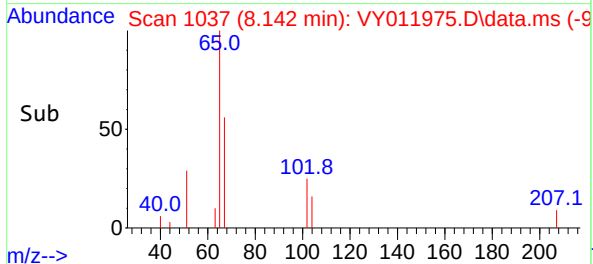
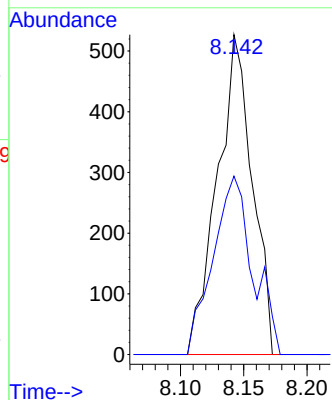
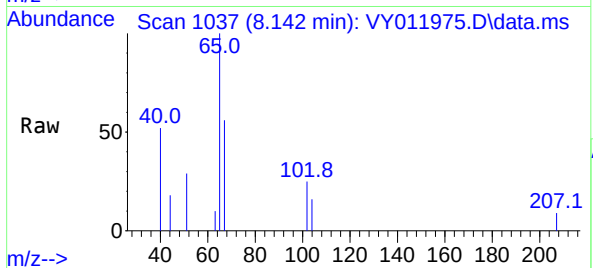
FS-01-(0-2)

Tgt Ion: 65 Resp: 1014

Ion Ratio Lower Upper

65 100

67 63.4 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011975.D

Acq: 22 Dec 2022 15:25

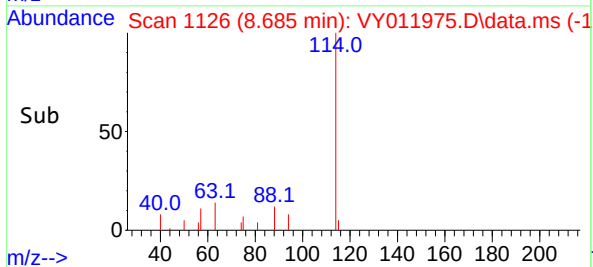
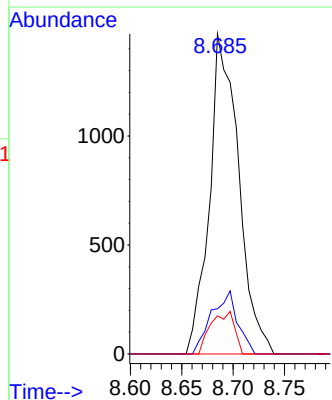
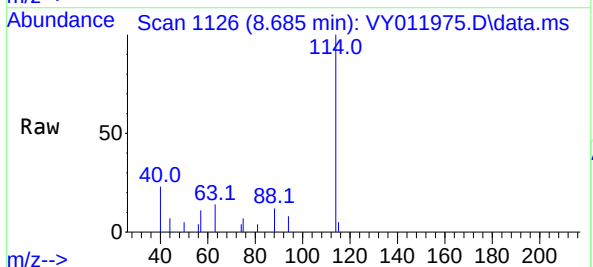
Tgt Ion: 114 Resp: 2897

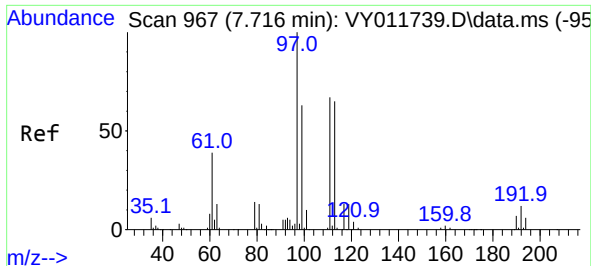
Ion Ratio Lower Upper

114 100

63 14.1 0.0 39.6

88 11.9 0.0 32.2

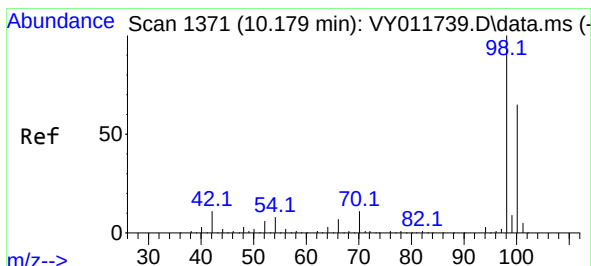
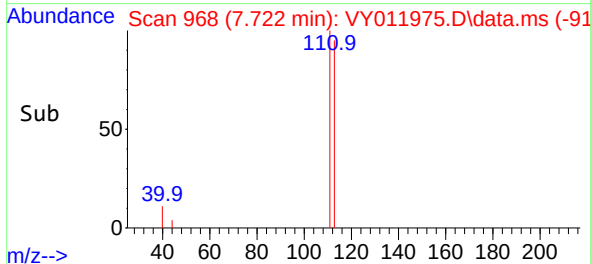
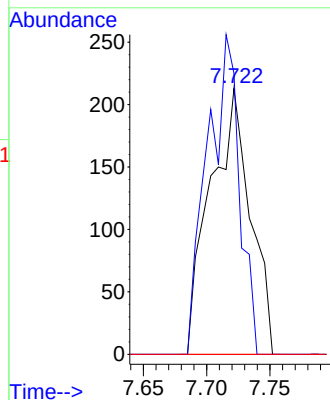
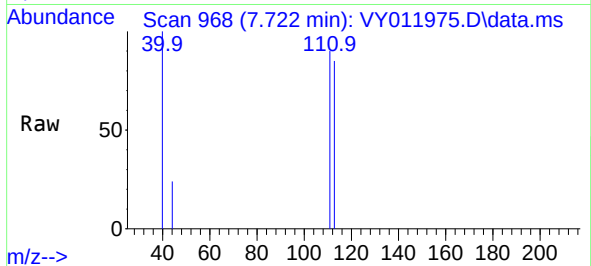




#35  
 Dibromofluoromethane  
 Concen: 26.834 ug/l  
 RT: 7.722 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY011975.D  
 Acq: 22 Dec 2022 15:25

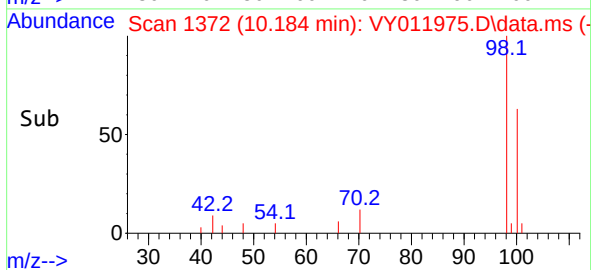
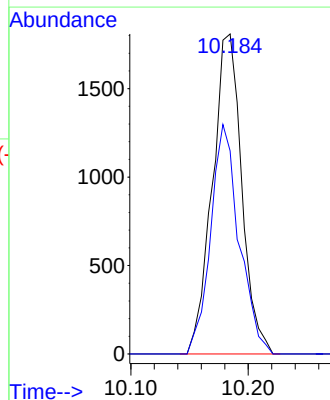
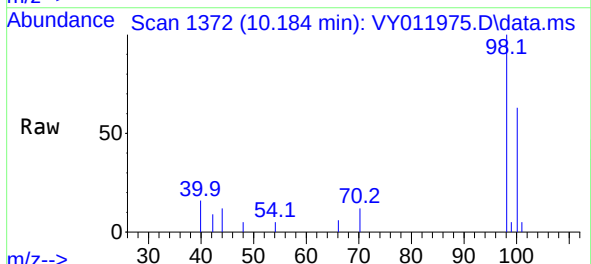
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-01-(0-2)

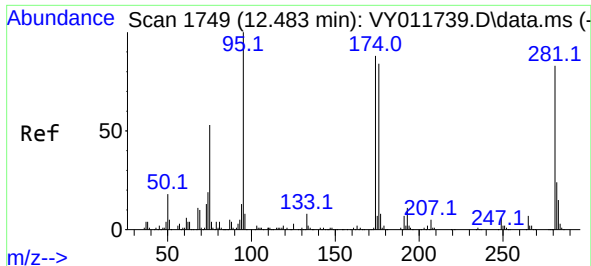
Tgt Ion:113 Resp: 468  
 Ion Ratio Lower Upper  
 113 100  
 111 95.9 83.0 124.4  
 192 0.0 16.0 24.0#



#50  
 Toluene-d8  
 Concen: 44.459 ug/l  
 RT: 10.184 min Scan# 1372  
 Delta R.T. 0.005 min  
 Lab File: VY011975.D  
 Acq: 22 Dec 2022 15:25

Tgt Ion: 98 Resp: 3146  
 Ion Ratio Lower Upper  
 98 100  
 100 69.6 51.9 77.9

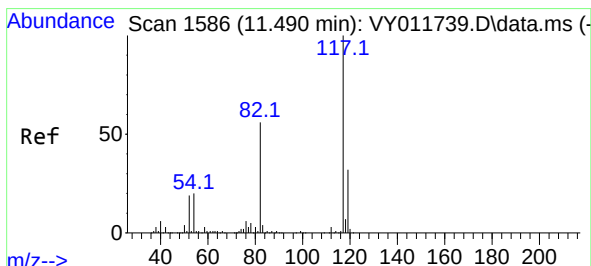
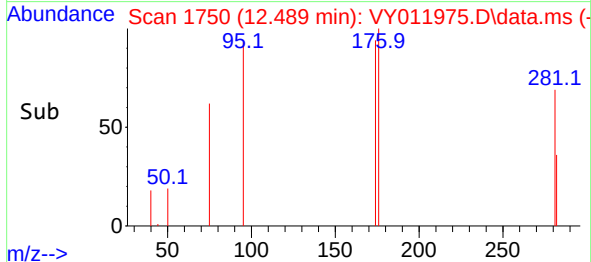
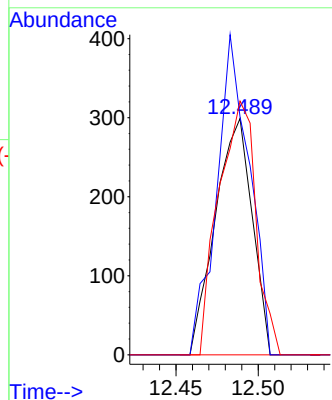
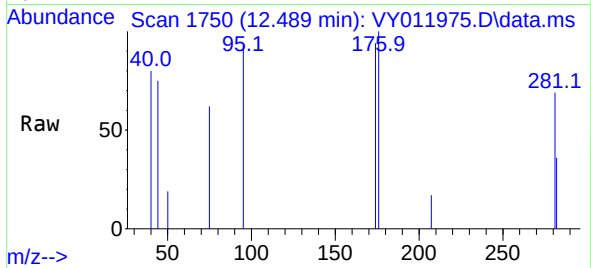




#62  
4-Bromofluorobenzene  
Concen: 19.581 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

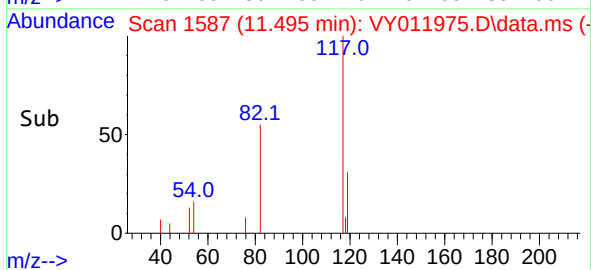
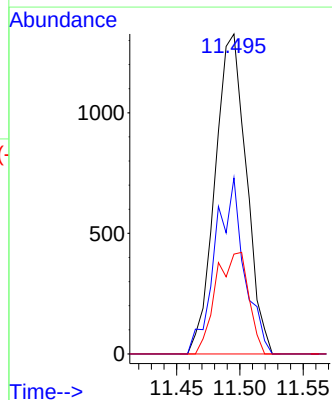
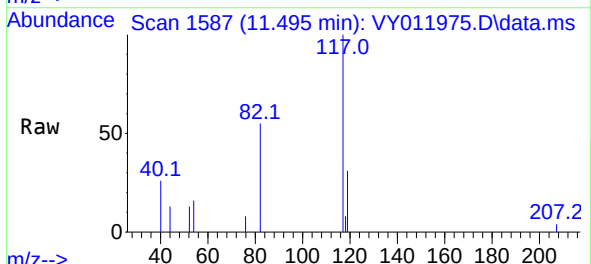
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FS-01-(0-2)

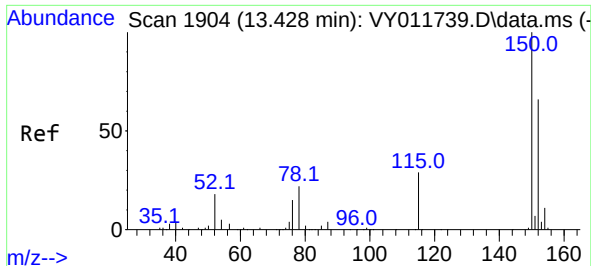
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 466   |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 120.8   | 0.0 172.0   |
| 176 108.4   | 0.0 167.6   |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 2280  |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 82          | 55.0  | 44.8  | 67.2  |
| 119         | 31.2  | 25.4  | 38.2  |

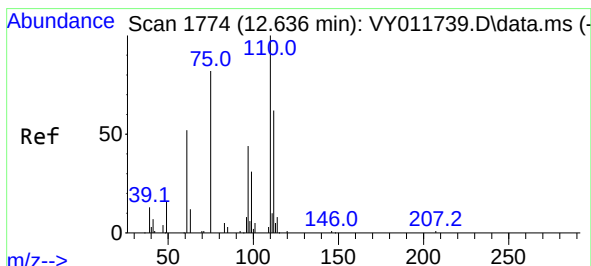
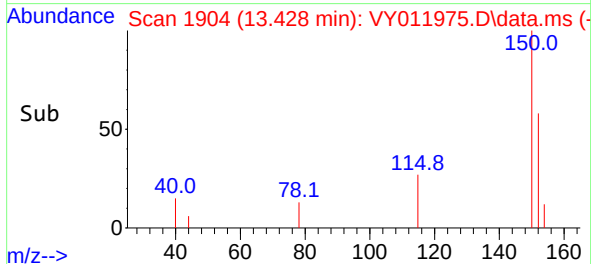
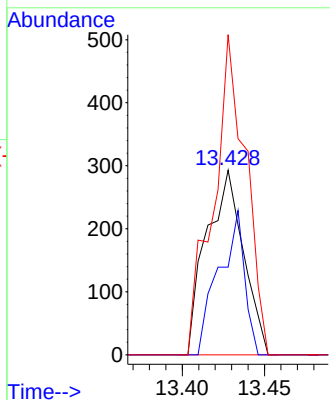
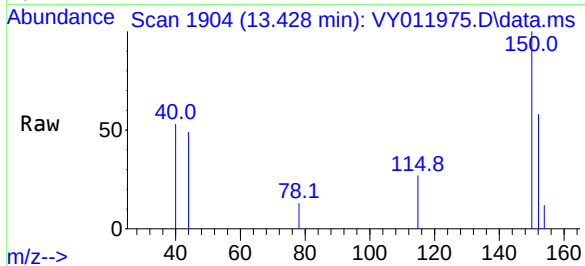




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

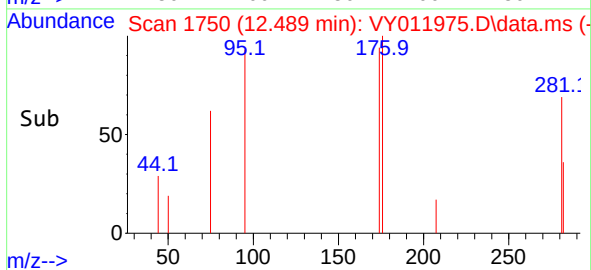
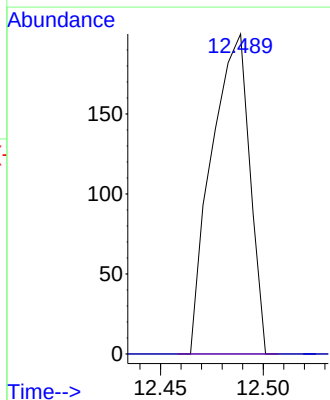
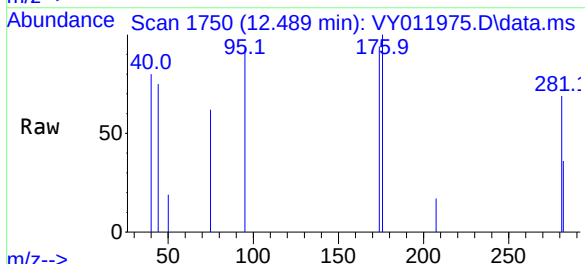
Instrument :  
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ClientSampleId :  
FS-01-(0-2)

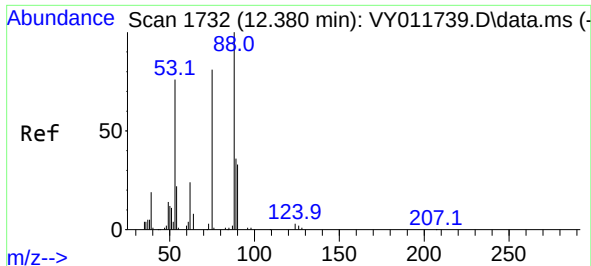
Tgt Ion:152 Resp: 459  
Ion Ratio Lower Upper  
152 100  
115 53.8 29.1 87.3  
150 151.9 0.0 342.6



#76  
1,2,3-Trichloropropane  
Concen: 44.997 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.147 min  
Lab File: VY011975.D  
Acq: 22 Dec 2022 15:25

Tgt Ion: 75 Resp: 257  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 123.224 ug/l  
 RT: 12.489 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY011975.D  
 Acq: 22 Dec 2022 15:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FS-01-(0-2)

Tgt Ion: 75 Resp: 257  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.0 37.0 55.4#

