

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060723\  
 Data File : VY014058.D  
 Acq On : 07 Jun 2023 14:32  
 Operator : KP/MD  
 Sample : 03069-05  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB35B

Quant Time: Jun 08 02:33:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

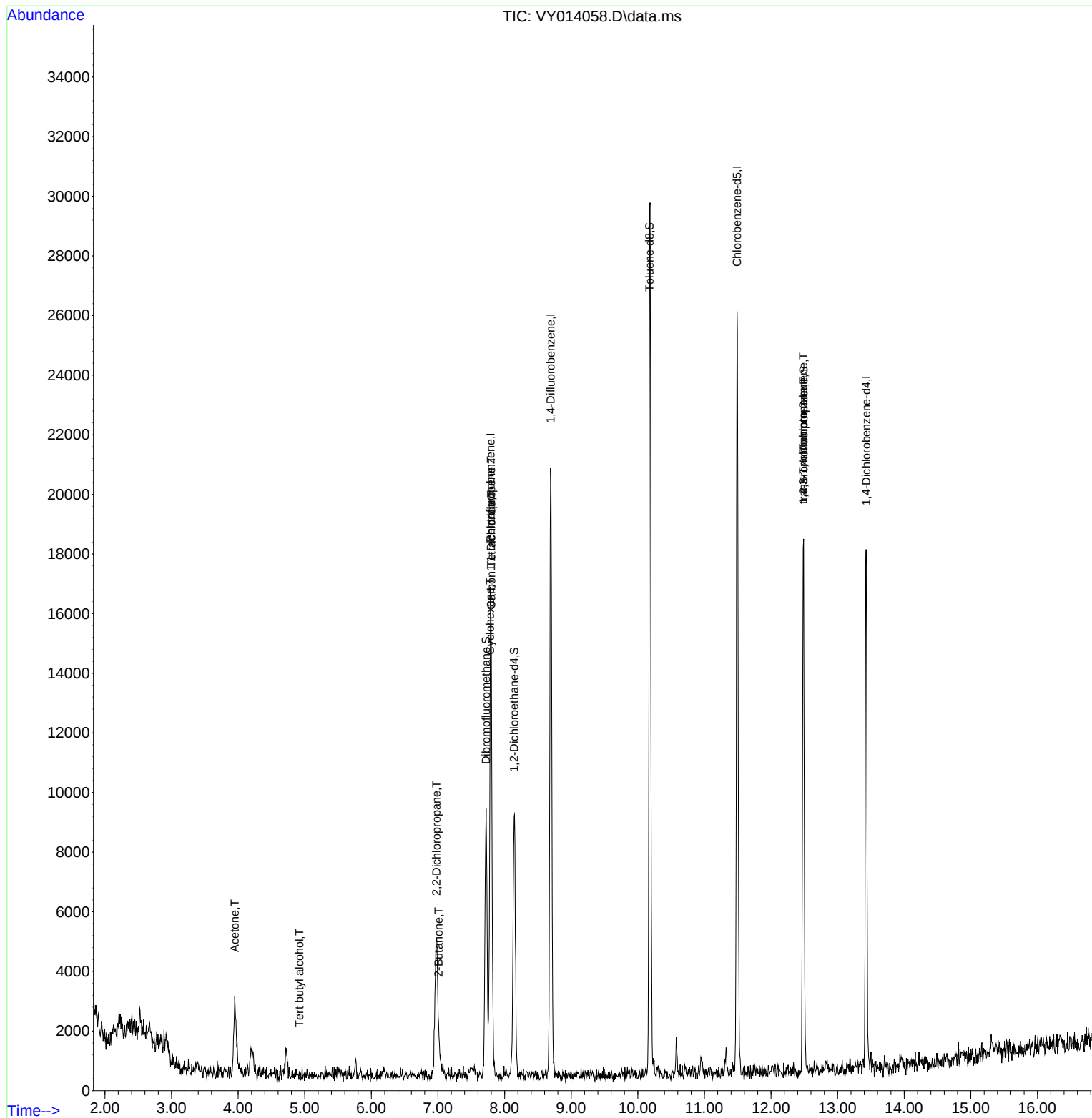
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 13094    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 17649    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 15027    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 5284     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 7376     | 42.554    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.100%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 6486     | 57.827    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 115.660% |
| 50) Toluene-d8                | 10.179 | 98    | 20871    | 48.783    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 97.560%  |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 5004     | 34.308    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 68.620%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.918  | 59    | 43       | 1.207     | ug/l # | 89       |
| 16) Acetone                   | 3.948  | 43    | 4637     | 78.191    | ug/l # | 87       |
| 20) Methylene Chloride        | 4.729  | 84    | 514      | Below Cal | #      | 57       |
| 25) 2-Butanone                | 7.009  | 43    | 1358     | 18.381    | ug/l   | 94       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 306      | 1.276     | ug/l # | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 346      | 1.658     | ug/l # | 57       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 966      | 6.045     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 1333     | 7.444     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 2600     | 36.565    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 2600     | 77.573    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

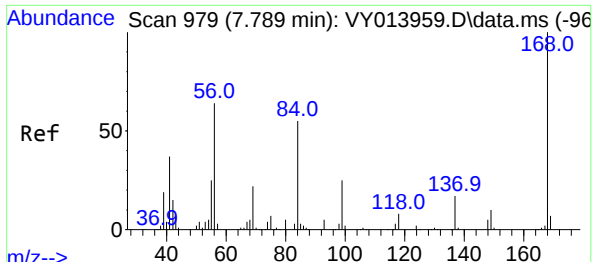
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

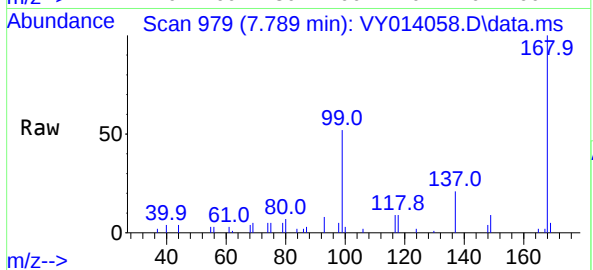
Quant Time: Jun 08 02:33:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 02 07:00:14 2023  
Response via : Initial Calibration



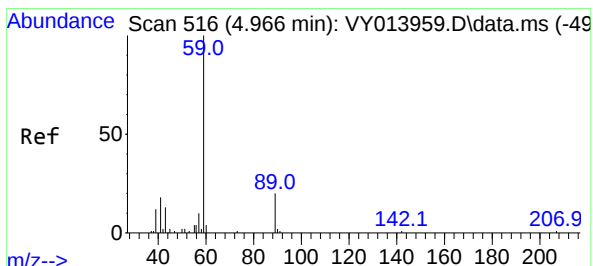
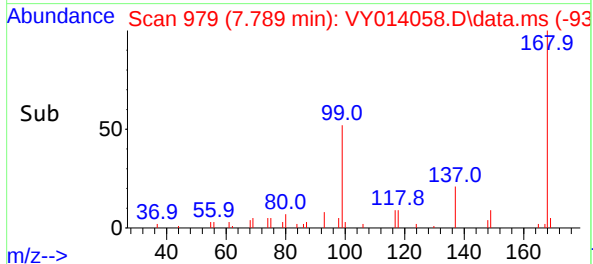
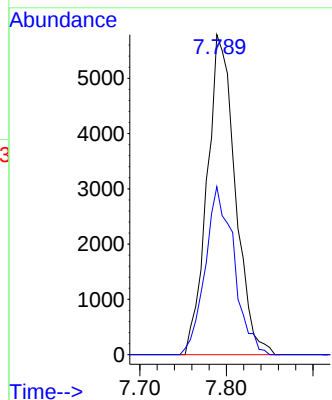


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

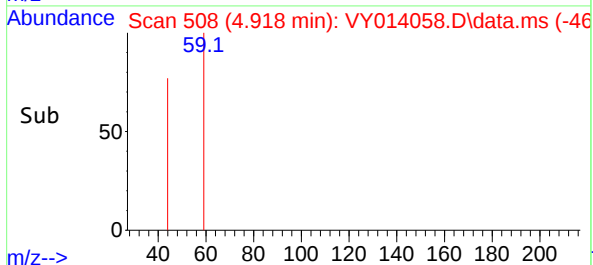
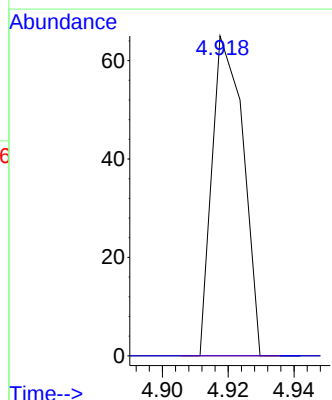
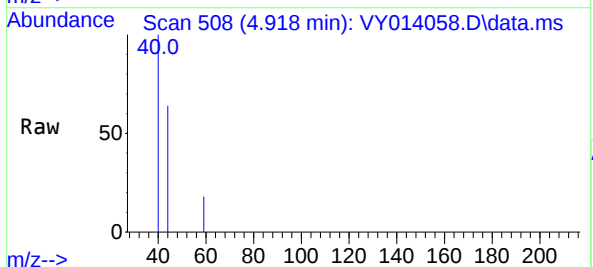


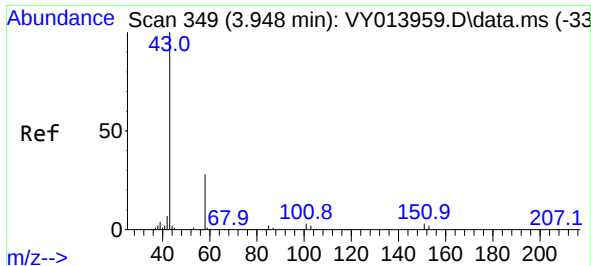
Tgt Ion:168 Resp: 13094  
Ion Ratio Lower Upper  
168 100  
99 52.5 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 1.207 ug/l  
RT: 4.918 min Scan# 508  
Delta R.T. -0.048 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Tgt Ion: 59 Resp: 43  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

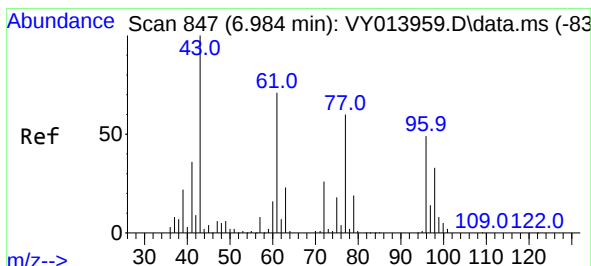
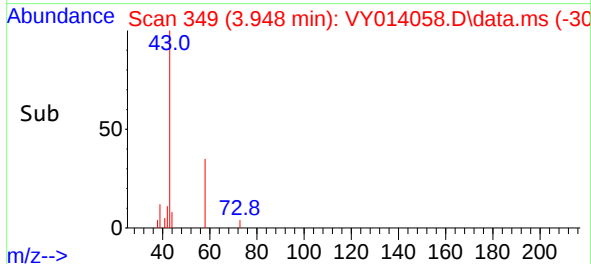
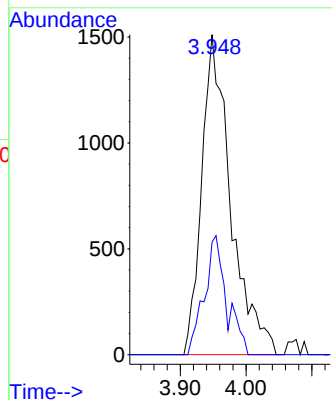
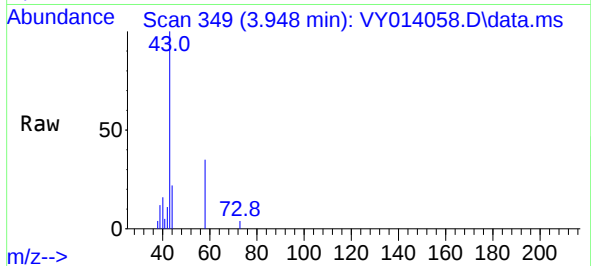




#16  
Acetone  
Concen: 78.191 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

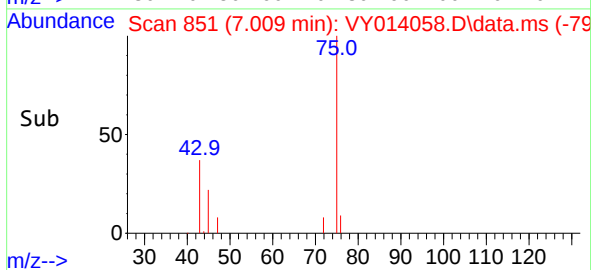
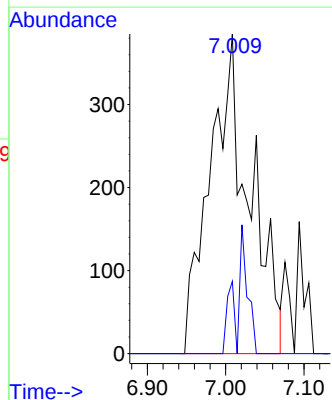
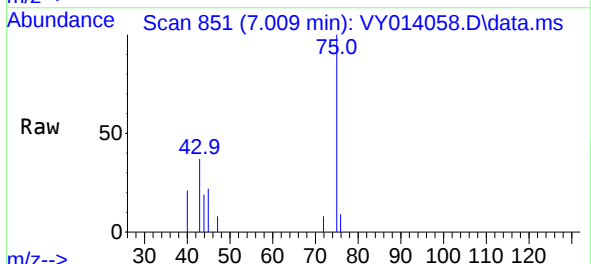
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

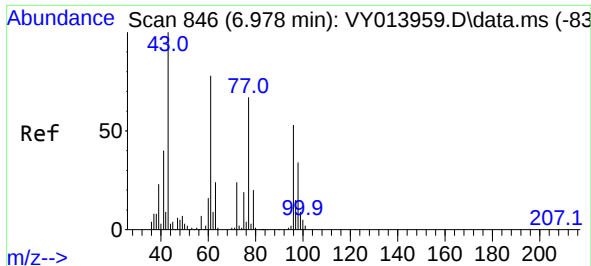
Tgt Ion: 43 Resp: 4637  
Ion Ratio Lower Upper  
43 100  
58 35.2 22.7 34.1#



#25  
2-Butanone  
Concen: 18.381 ug/l  
RT: 7.009 min Scan# 851  
Delta R.T. 0.024 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Tgt Ion: 43 Resp: 1358  
Ion Ratio Lower Upper  
43 100  
72 22.6 20.5 30.7

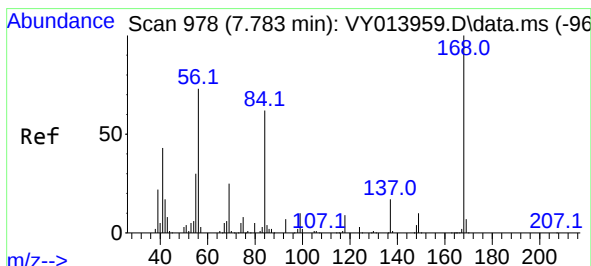
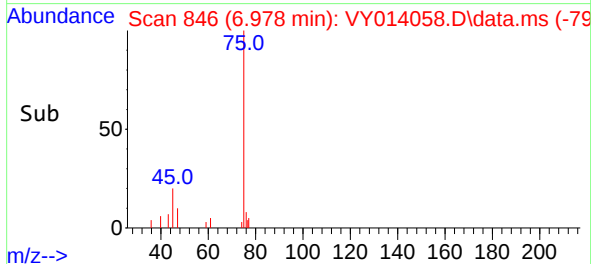
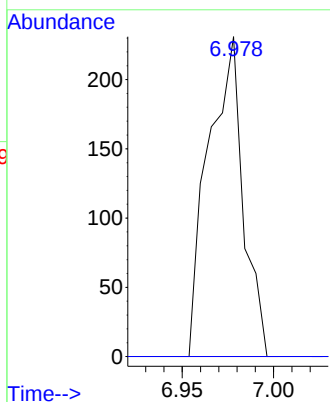
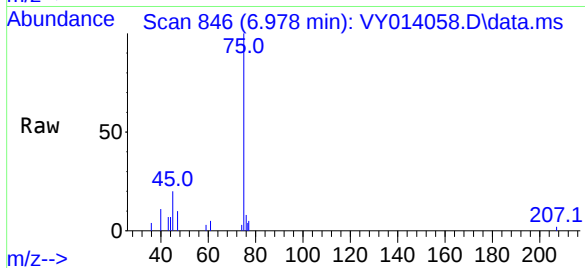




#26  
2,2-Dichloropropane  
Concen: 1.276 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

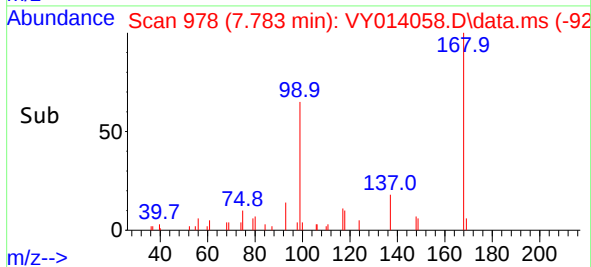
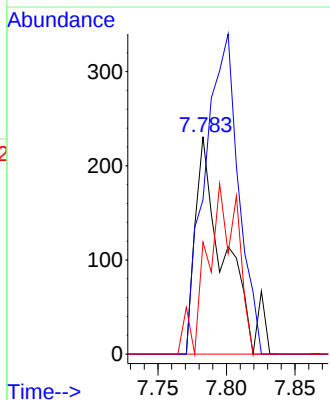
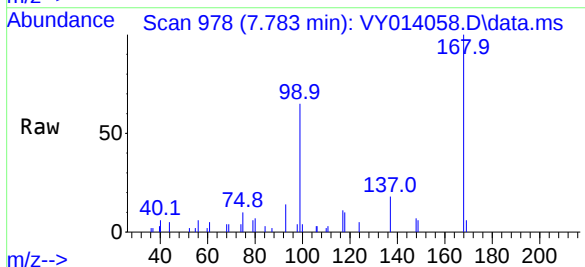
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

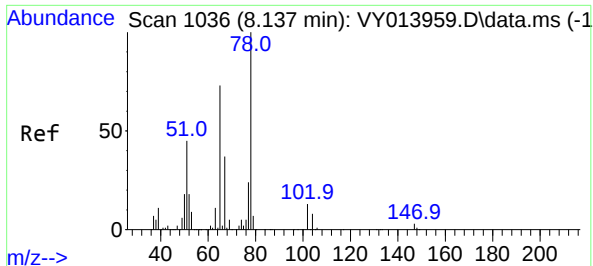
Tgt Ion: 77 Resp: 306  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#31  
Cyclohexane  
Concen: 1.658 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Tgt Ion: 56 Resp: 346  
Ion Ratio Lower Upper  
56 100  
69 71.0 27.8 41.6#  
84 51.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 42.554 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY014058.D

Acq: 07 Jun 2023 14:32

Instrument :

MSVOA\_Y

ClientSampleId :

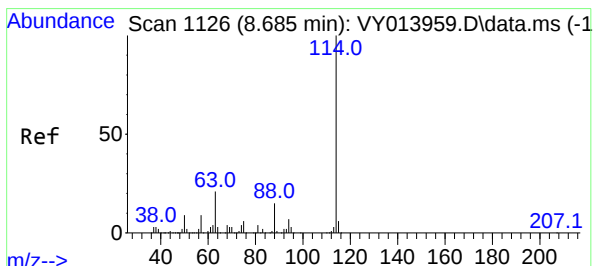
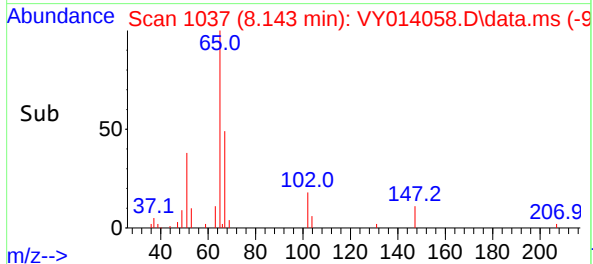
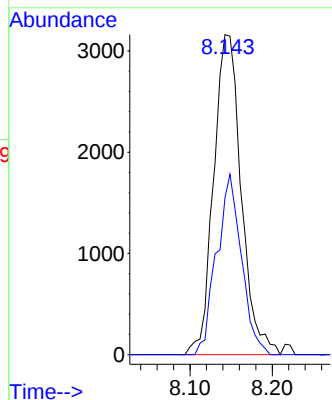
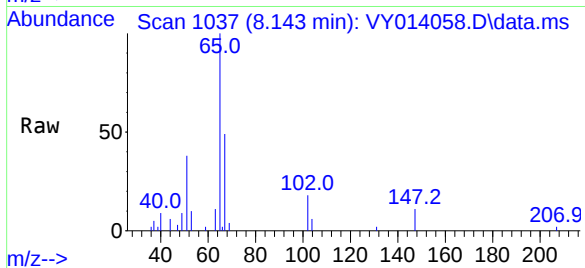
SB35B

Tgt Ion: 65 Resp: 7376

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014058.D

Acq: 07 Jun 2023 14:32

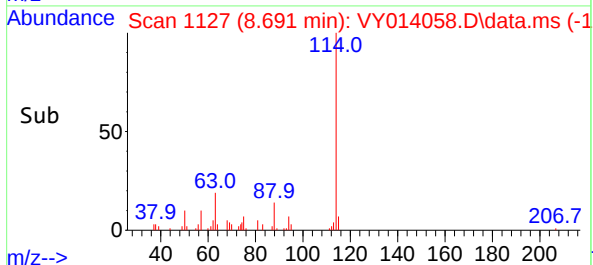
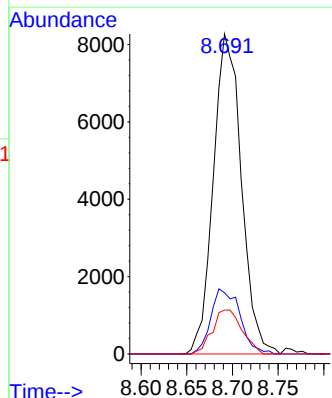
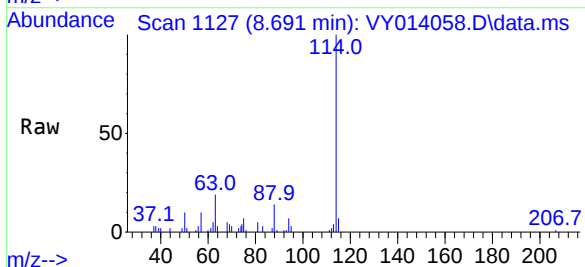
Tgt Ion: 114 Resp: 17649

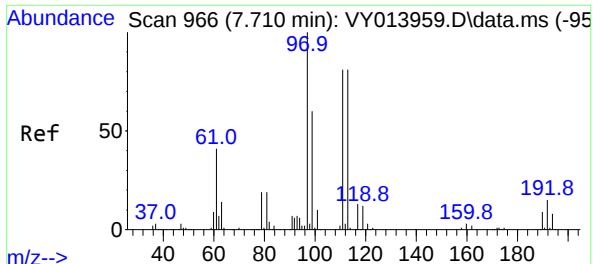
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 13.7 0.0 30.6

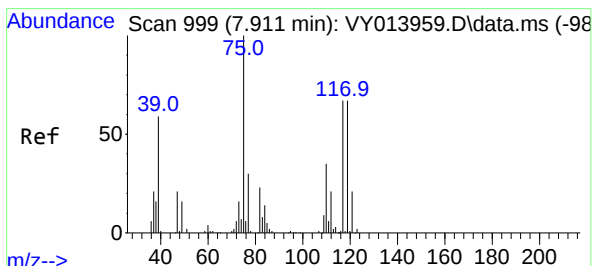
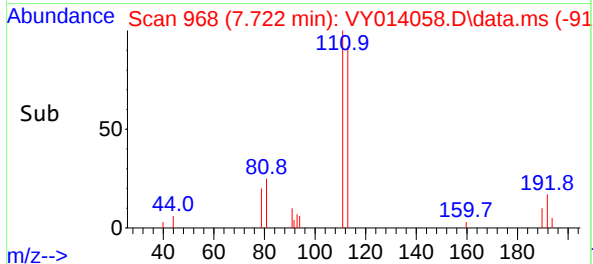
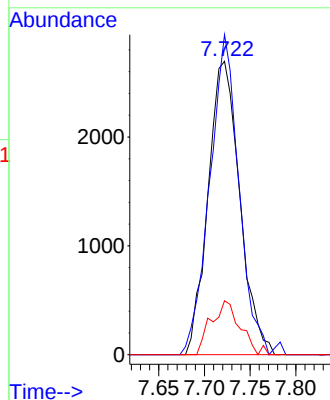
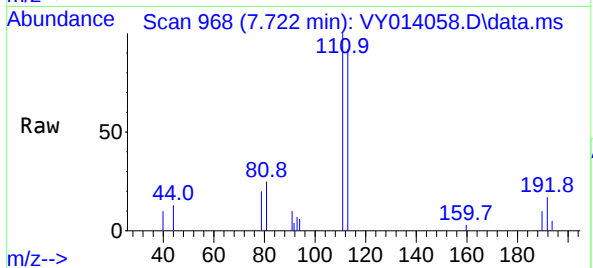




#35  
Dibromofluoromethane  
Concen: 57.827 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

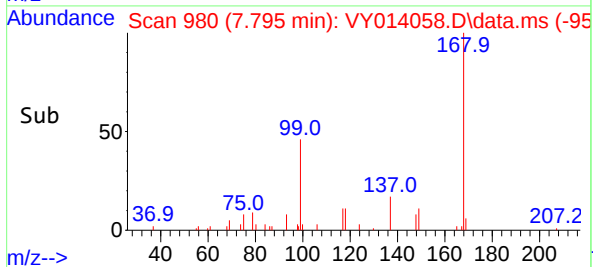
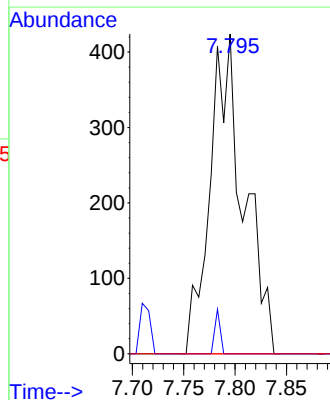
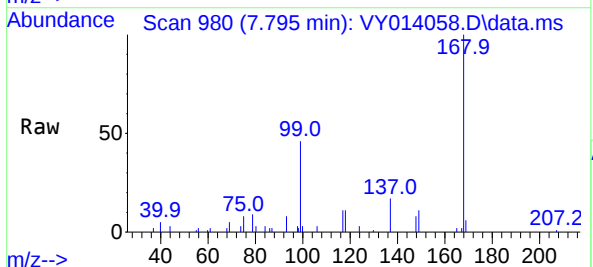
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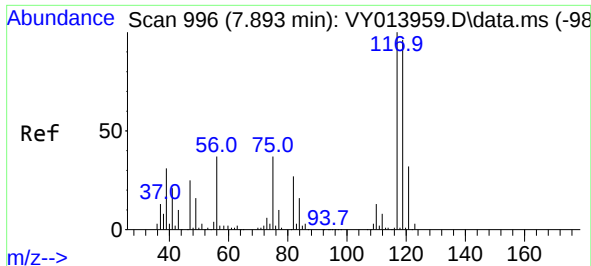
Tgt Ion:113 Resp: 6486  
Ion Ratio Lower Upper  
113 100  
111 100.8 81.3 121.9  
192 16.9 16.9 25.3#



#36  
1,1-Dichloropropene  
Concen: 6.045 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

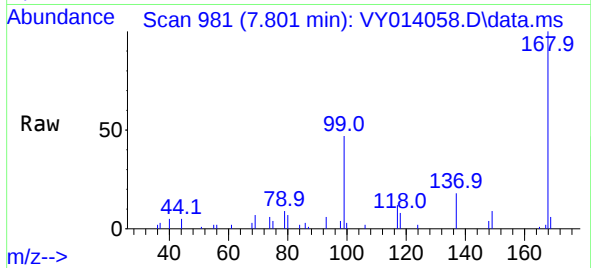
Tgt Ion: 75 Resp: 966  
Ion Ratio Lower Upper  
75 100  
110 2.3 17.8 53.5#  
77 0.0 24.4 36.6#



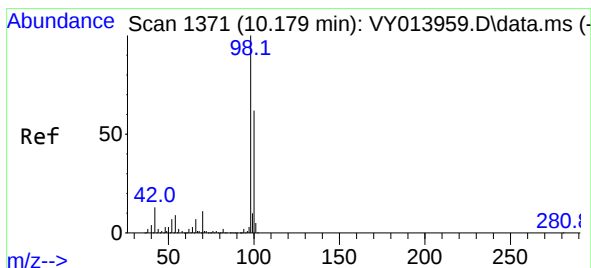
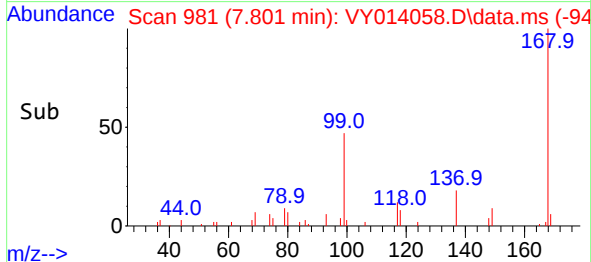
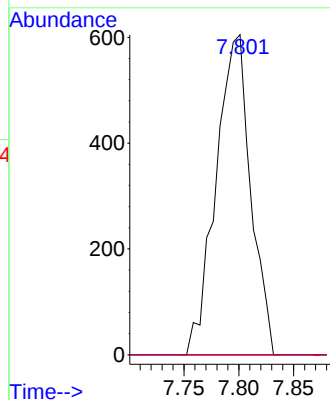


#38  
Carbon Tetrachloride  
Concen: 7.444 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.092 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

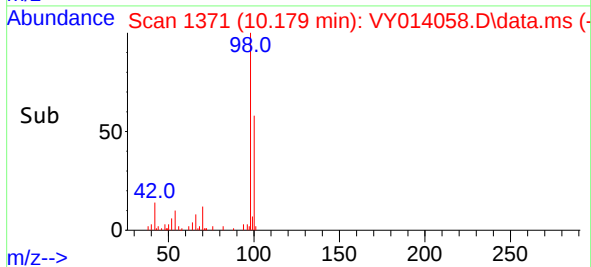
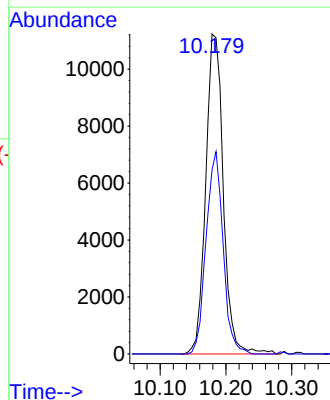
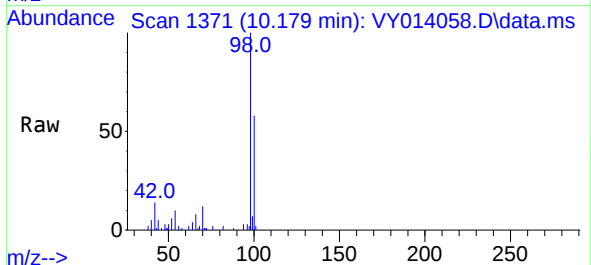


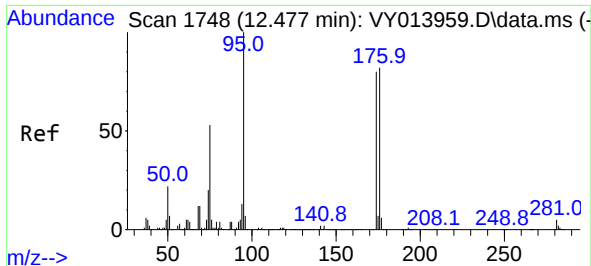
Tgt Ion:117 Resp: 1333  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 48.783 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

Tgt Ion: 98 Resp: 20871  
Ion Ratio Lower Upper  
98 100  
100 61.2 50.1 75.1

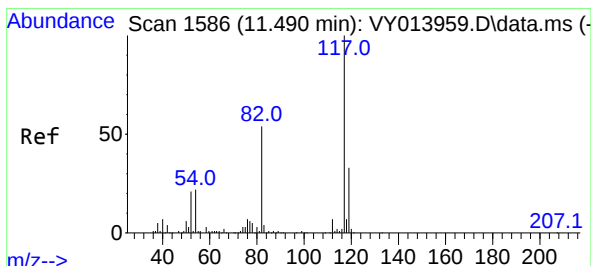
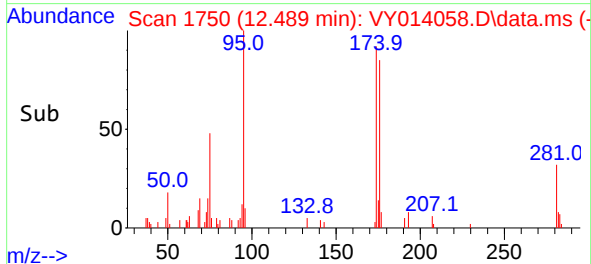
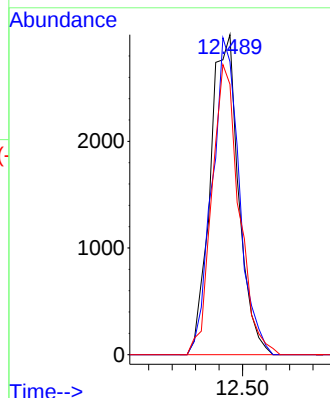
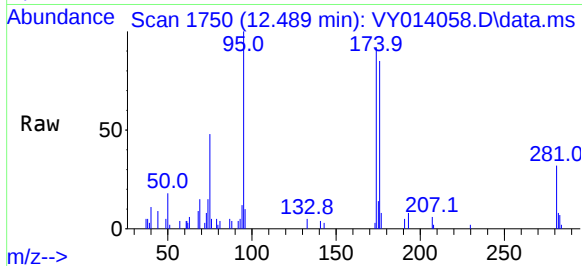




#62  
4-Bromofluorobenzene  
Concen: 34.308 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.012 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

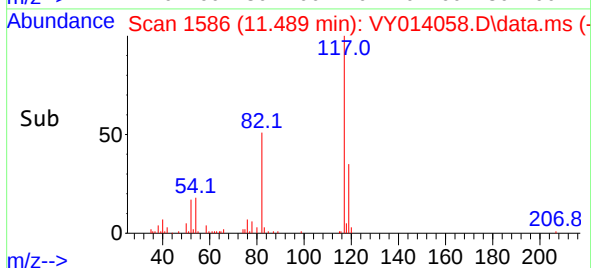
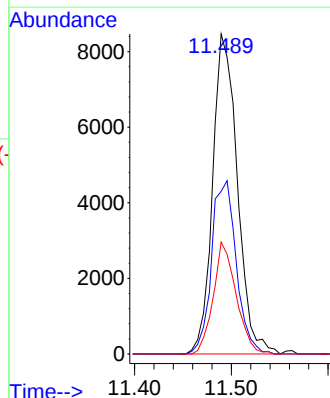
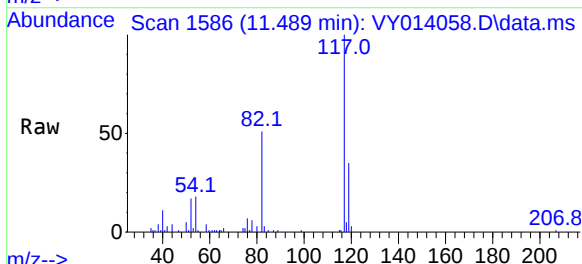
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

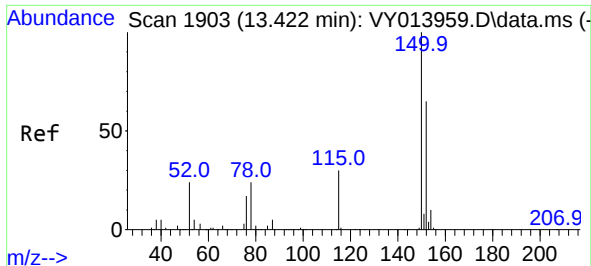
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 5004  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 95.4  | 0.0   | 178.2 |
| 176      | 87.7  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15027 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 50.8  | 43.4  | 65.0  |
| 119      | 34.9  | 26.3  | 39.5  |

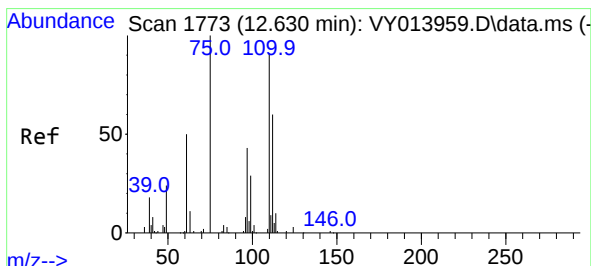
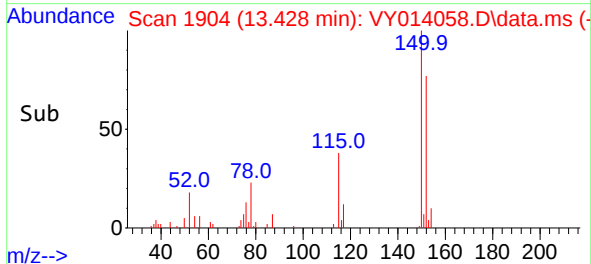
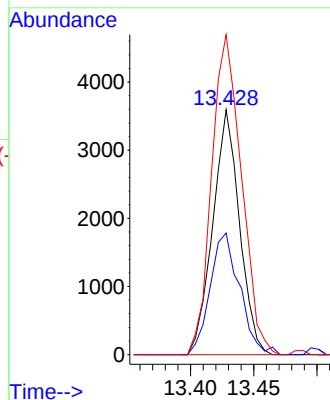
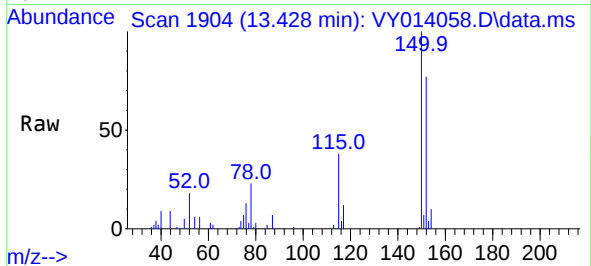




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

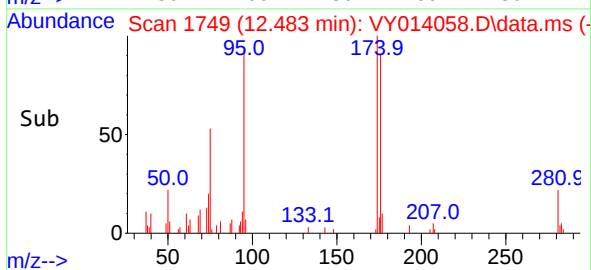
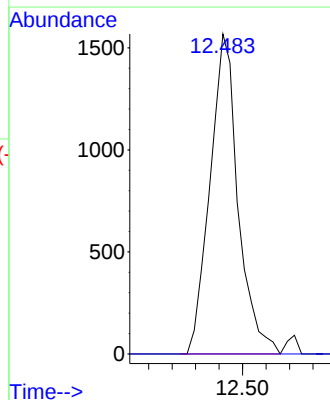
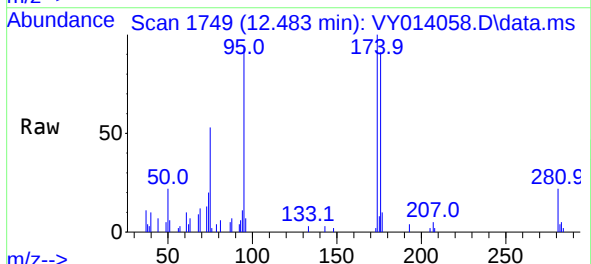
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35B

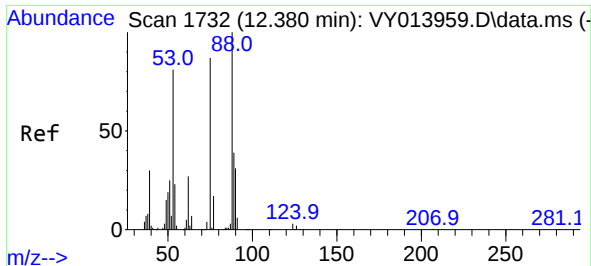
Tgt Ion:152 Resp: 5284  
Ion Ratio Lower Upper  
152 100  
115 54.9 28.8 86.5  
150 145.5 0.0 348.8



#76  
1,2,3-Trichloropropane  
Concen: 36.565 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY014058.D  
Acq: 07 Jun 2023 14:32

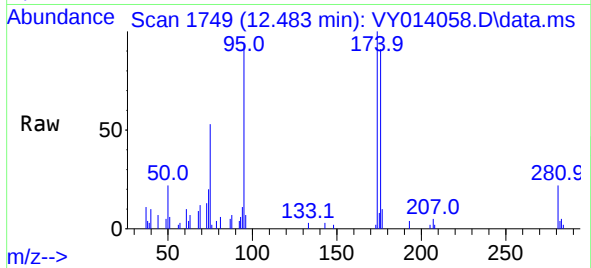
Tgt Ion: 75 Resp: 2600  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 77.573 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY014058.D  
 Acq: 07 Jun 2023 14:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB35B



Tgt Ion: 75 Resp: 2600

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 77.8  | 116.8# |
| 89  | 0.0   | 37.4  | 56.0#  |

