

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030623\  
 Data File : VY012827.D  
 Acq On : 06 Mar 2023 16:36  
 Operator : KP/MD  
 Sample : 01814-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-206

Quant Time: Mar 07 04:25:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

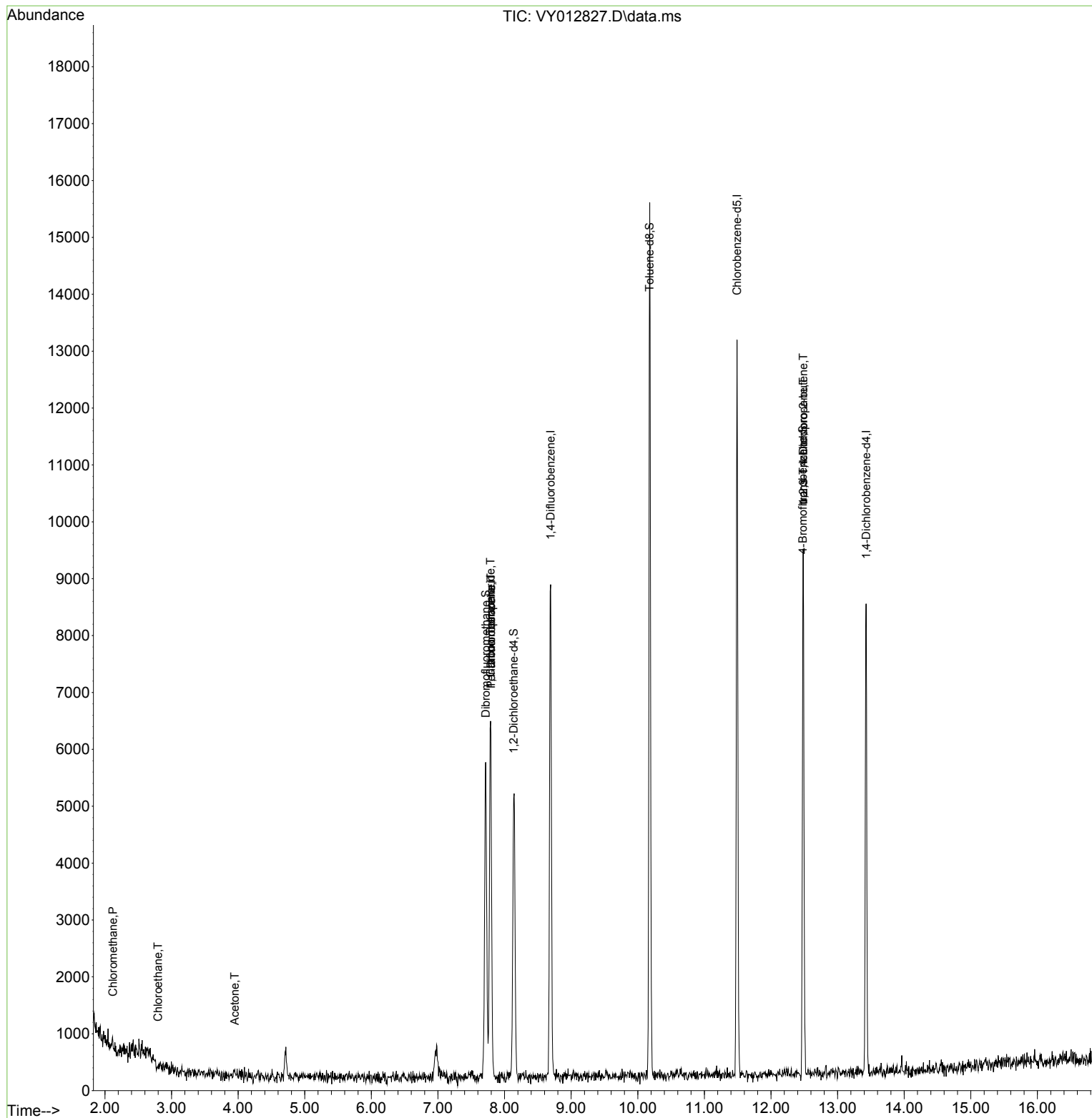
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 5431     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 7936     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 7021     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 2365     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.137     | 65    | 4268     | 79.150   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 158.300%  |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 3820     | 79.760   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 159.520%# |          |
| 50) Toluene-d8                | 10.179    | 98    | 9838     | 56.188   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 112.380%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 2592     | 43.860   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 87.720%   |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 3) Chloromethane              | 2.119     | 50    | 132      | 2.063    | ug/l #      | 42       |
| 6) Chloroethane               | 2.796     | 64    | 54       | 1.536    | ug/l #      | 43       |
| 16) Acetone                   | 3.948     | 43    | 100      | 4.725    | ug/l #      | 44       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 264      | 3.289    | ug/l #      | 41       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 537      | 6.479    | ug/l #      | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 1333     | 47.199   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 1333     | 97.799   | ug/l #      | 13       |
| -----                         |           |       |          |          |             |          |

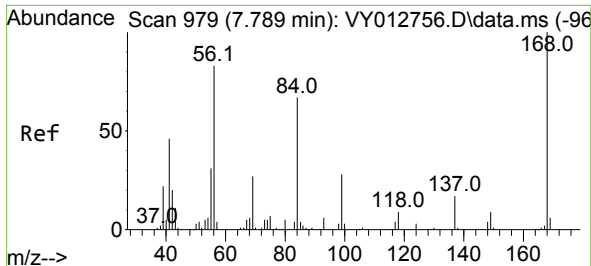
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

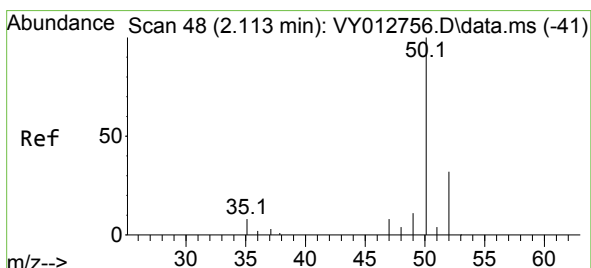
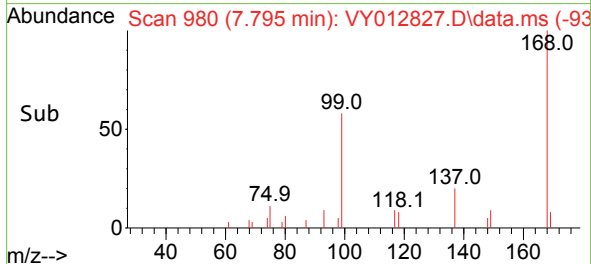
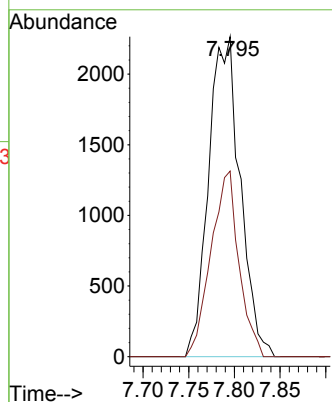
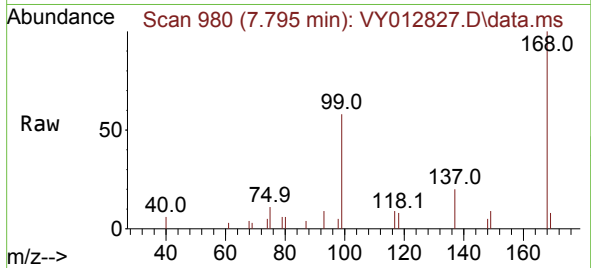




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

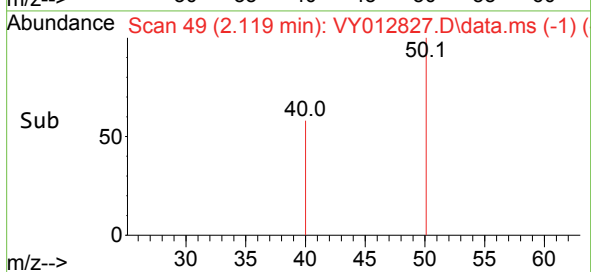
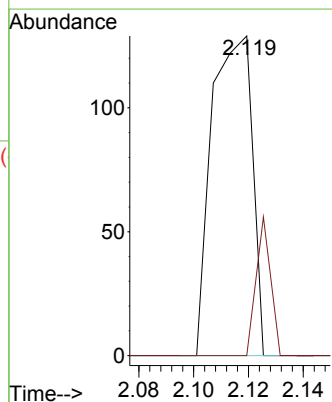
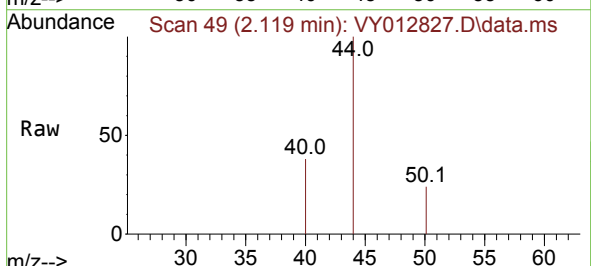
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-206

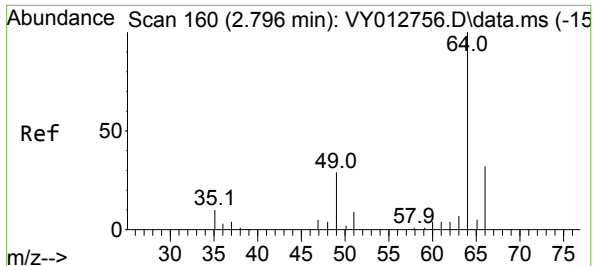
Tgt Ion:168 Resp: 5431  
Ion Ratio Lower Upper  
168 100  
99 58.0 41.7 62.5



#3  
Chloromethane  
Concen: 2.063 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

Tgt Ion: 50 Resp: 132  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.0 39.0#

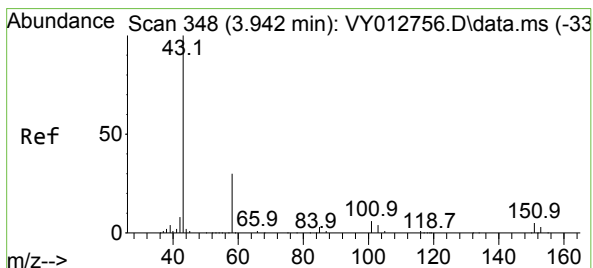
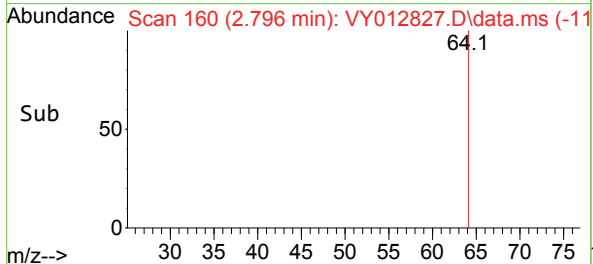
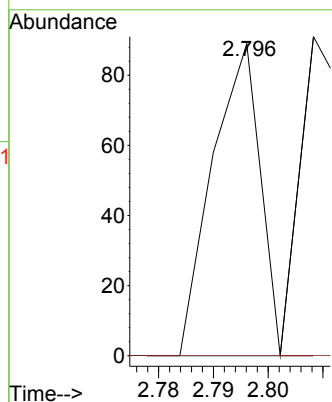
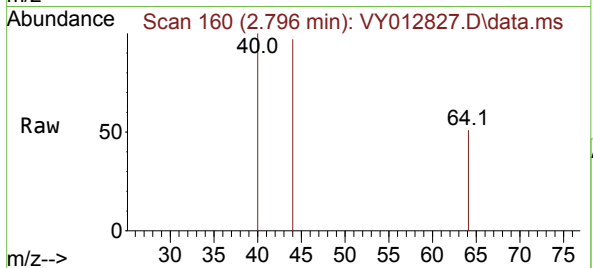




#6  
Chloroethane  
Concen: 1.536 ug/l  
RT: 2.796 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

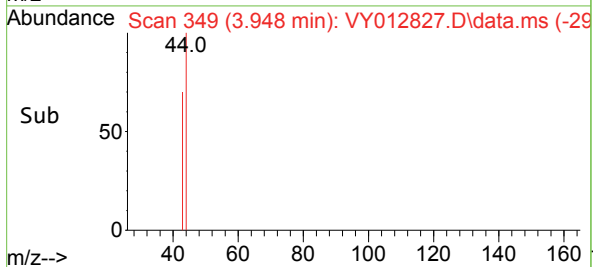
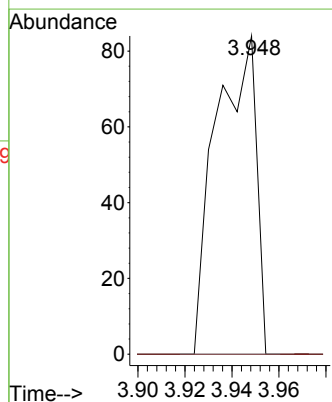
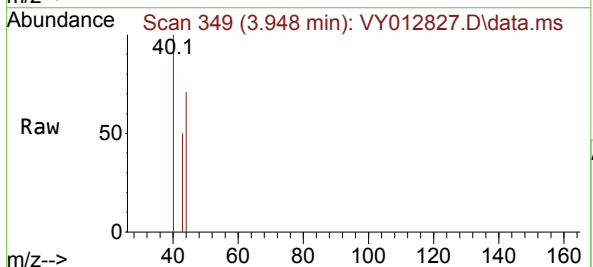
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-206

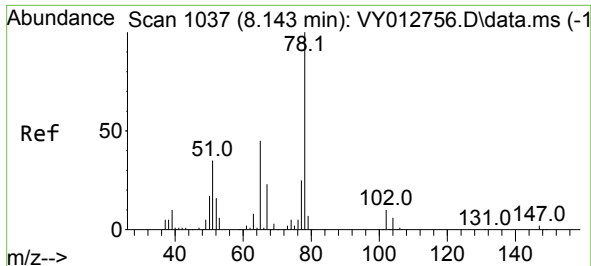
Tgt Ion: 64 Resp: 54  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.7 38.5#



#16  
Acetone  
Concen: 4.725 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

Tgt Ion: 43 Resp: 100  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.2#





#33

1,2-Dichloroethane-d4

Concen: 79.150 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012827.D

Acq: 06 Mar 2023 16:36

Instrument :

MSVOA\_Y

ClientSampleId :

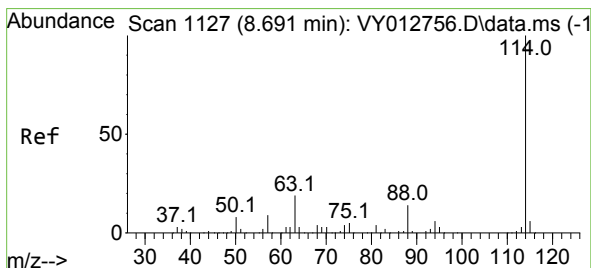
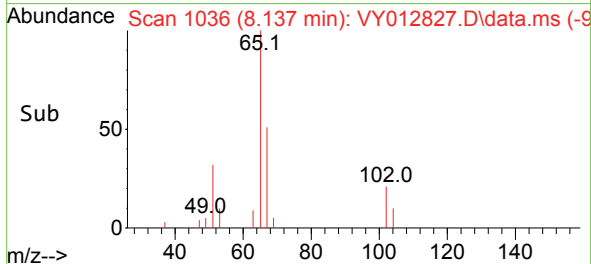
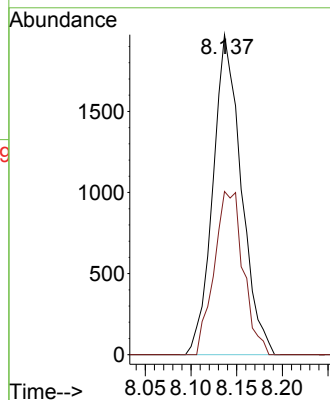
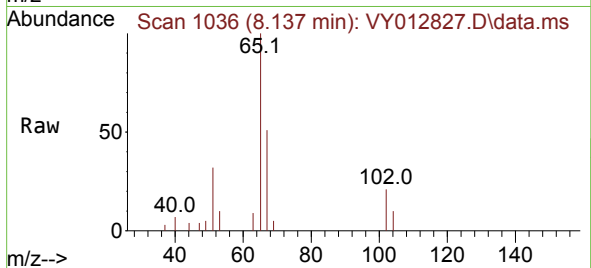
VNJ-206

Tgt Ion: 65 Resp: 4268

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012827.D

Acq: 06 Mar 2023 16:36

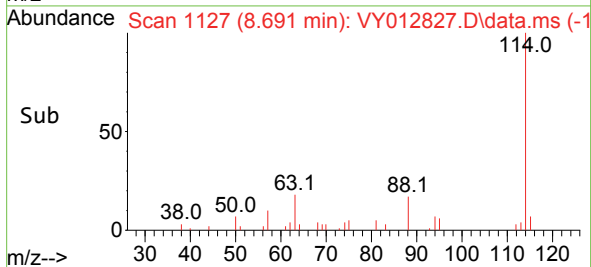
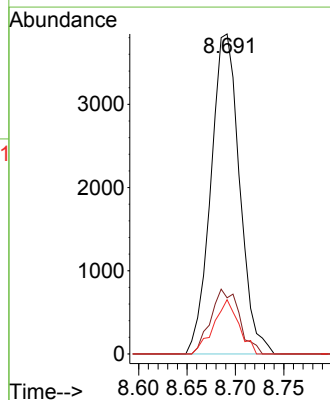
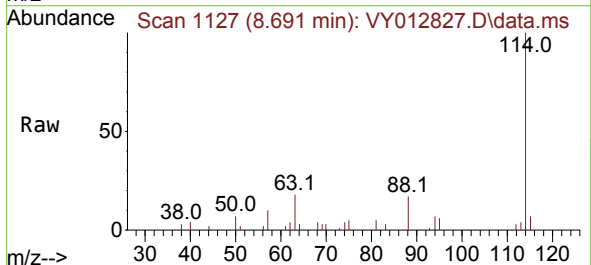
Tgt Ion: 114 Resp: 7936

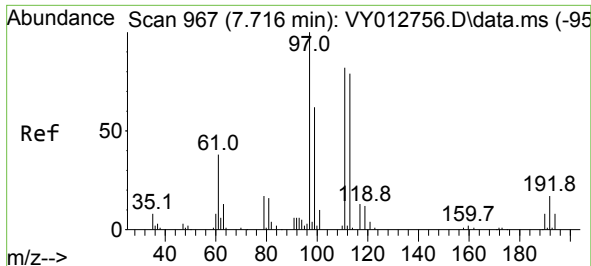
Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.4

88 17.0 0.0 28.6

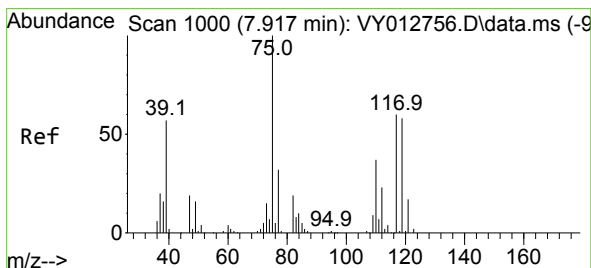
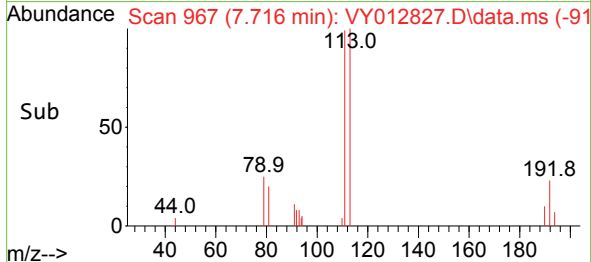
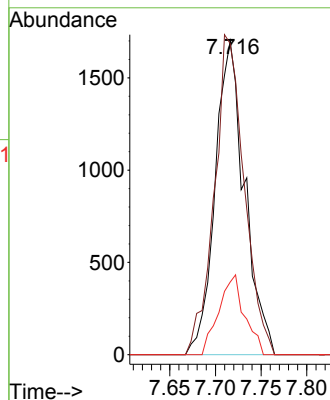
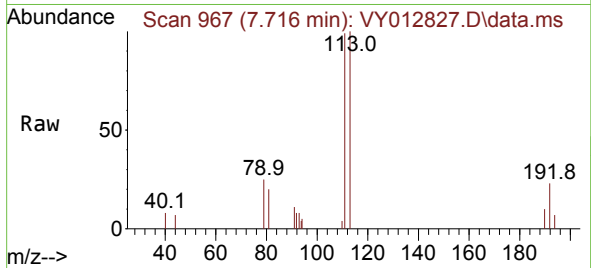




#35  
Dibromofluoromethane  
Concen: 79.760 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

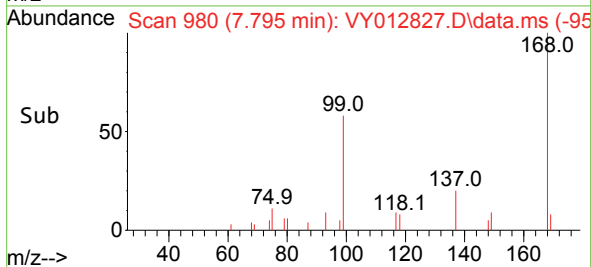
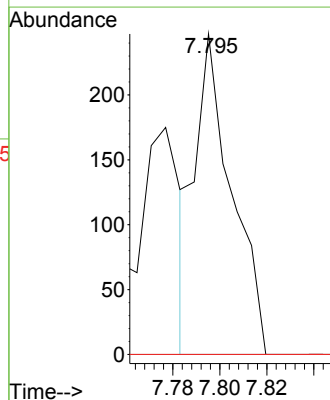
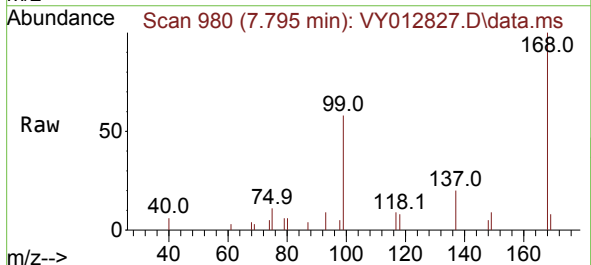
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-206

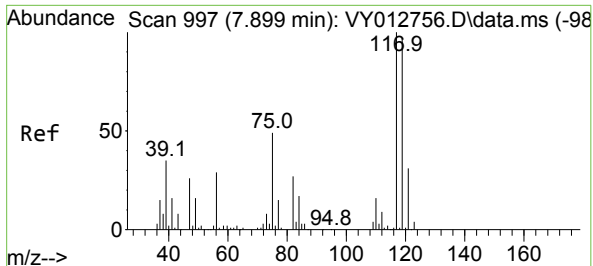
Tgt Ion:113 Resp: 3820  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.2  
192 22.2 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 3.289 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.122 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

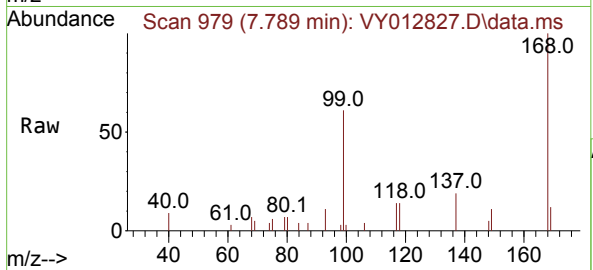
Tgt Ion: 75 Resp: 264  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.3#  
77 0.0 25.0 37.4#



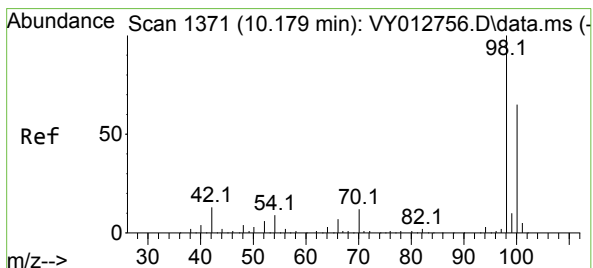
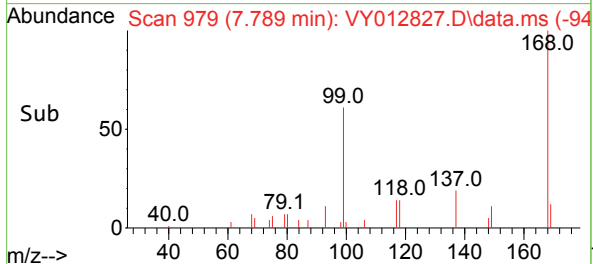
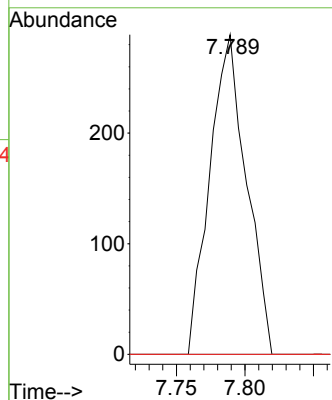


#38  
Carbon Tetrachloride  
Concen: 6.479 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-206

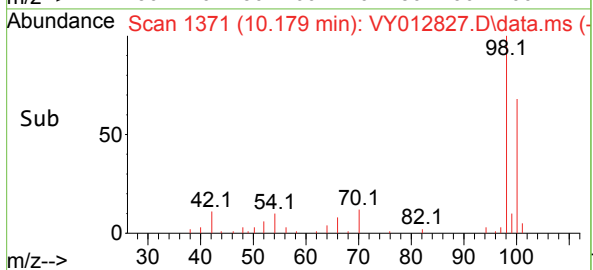
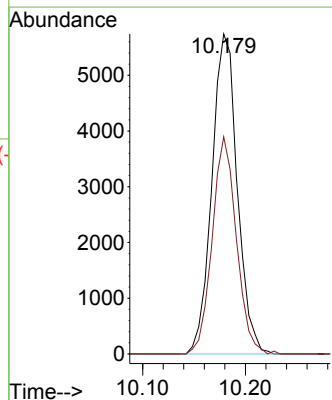
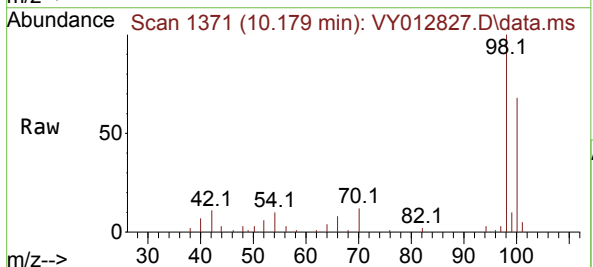


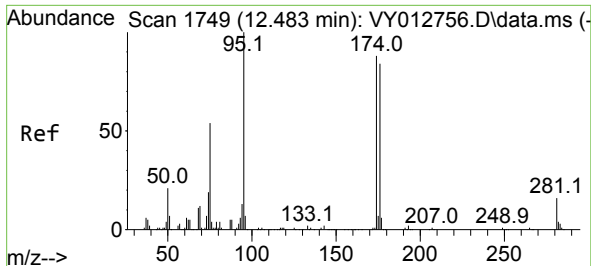
Tgt Ion:117 Resp: 537  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.2 115.8#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 56.188 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

Tgt Ion: 98 Resp: 9838  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.9 76.3

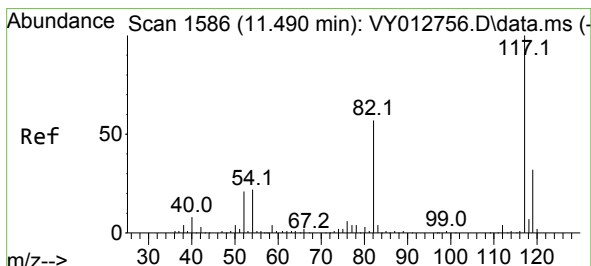
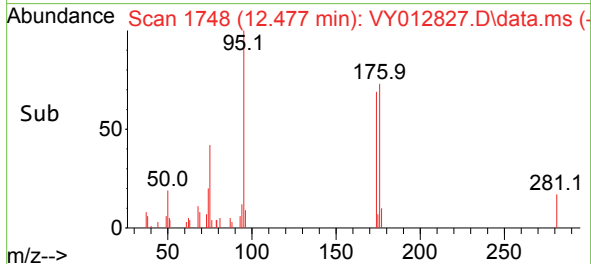
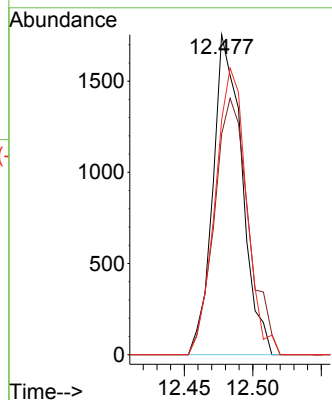
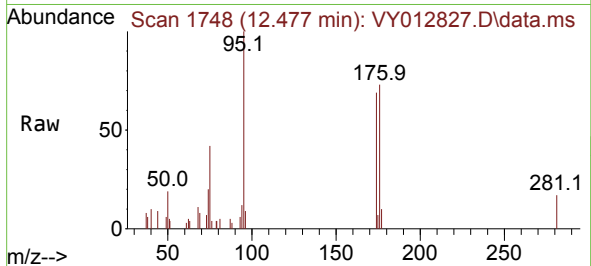




#62  
4-Bromofluorobenzene  
Concen: 43.860 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

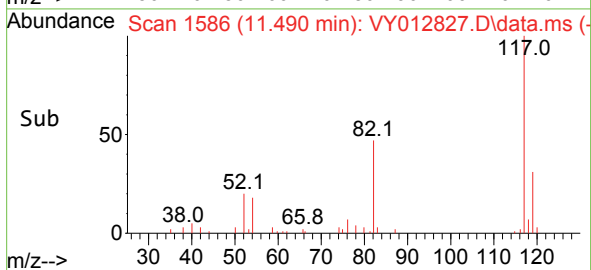
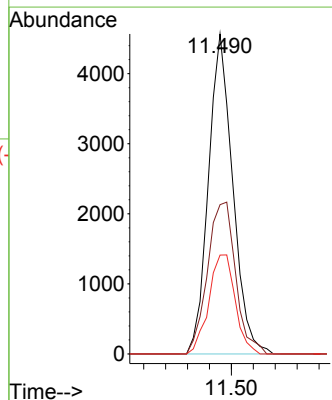
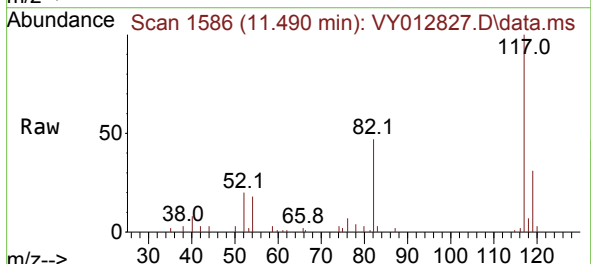
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-206

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 2592  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 94.0  | 0.0   | 176.6 |
| 176      | 96.4  | 0.0   | 170.2 |

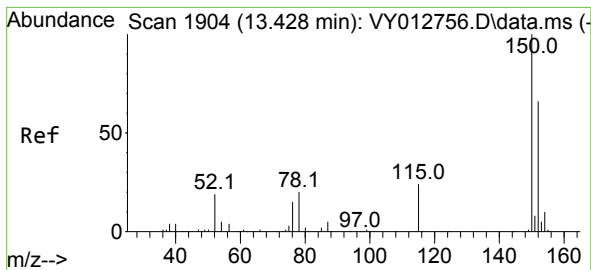


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY012827.D  
Acq: 06 Mar 2023 16:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7021  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 46.6  | 45.4  | 68.0  |
| 119      | 30.9  | 25.6  | 38.4  |



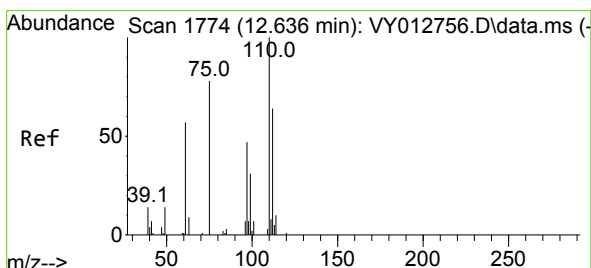
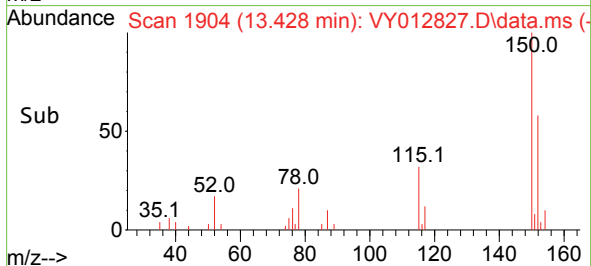
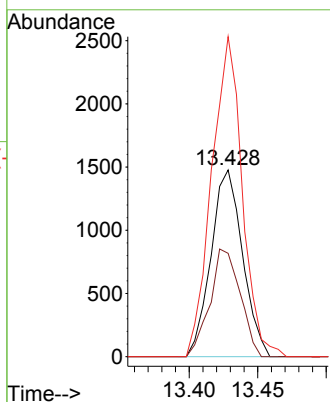
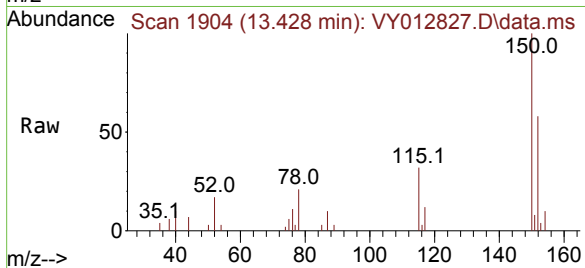




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY012827.D  
 Acq: 06 Mar 2023 16:36

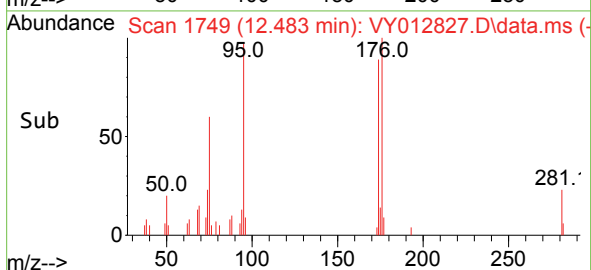
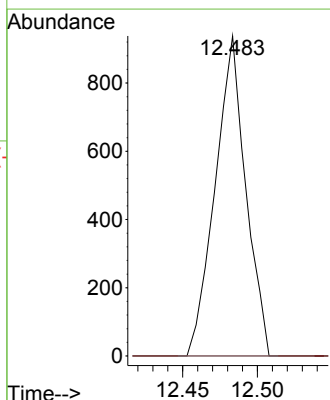
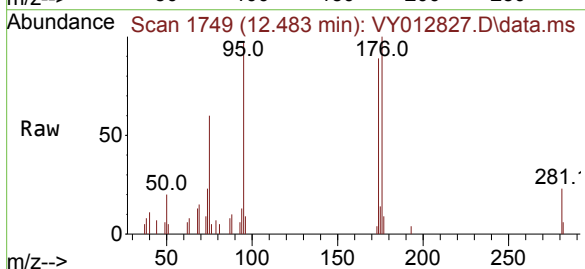
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-206

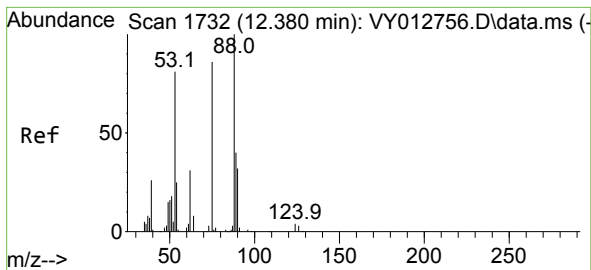
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 Ion Ratio Lower Upper  
 152 100  
 115 55.1 27.1 81.3  
 150 165.8 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 47.199 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY012827.D  
 Acq: 06 Mar 2023 16:36

Tgt Ion: 75 Resp: 1333  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 97.799 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY012827.D  
 Acq: 06 Mar 2023 16:36

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-206

Tgt Ion: 75 Resp: 1333  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.4 110.0#  
 89 0.0 36.6 55.0#

