

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
 Data File : VY016619.D  
 Acq On : 06 Dec 2023 16:31  
 Operator : SY/MD  
 Sample : 05599-13RE  
 Misc : 4.68g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 07 00:35:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

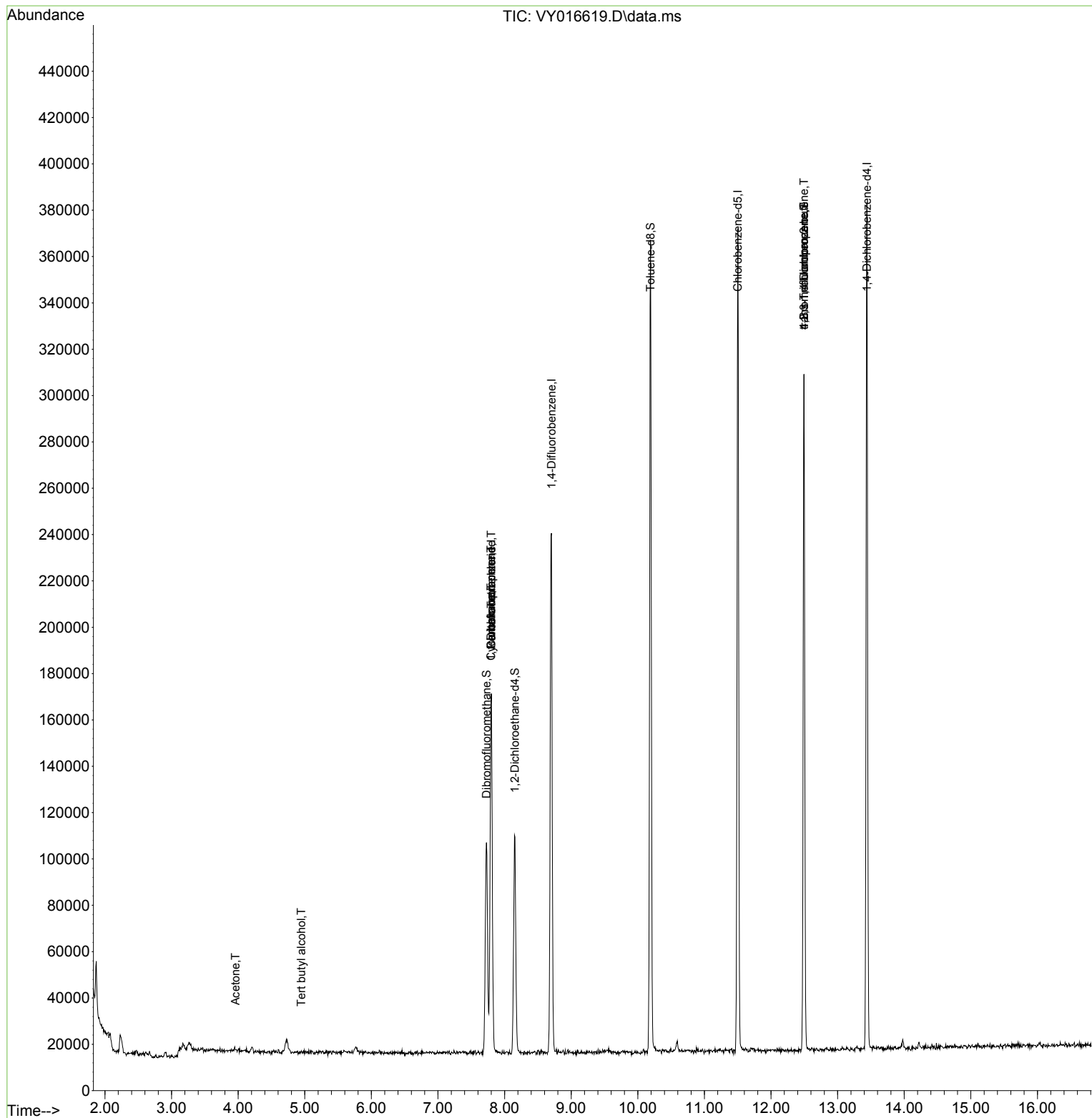
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 124923              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703          | 114  | 202318              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.502         | 117  | 198168              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440         | 152  | 98156               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 79827               | 69.137    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 138.280% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 63850               | 52.441    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 104.880% |           |        |          |
| 50) Toluene-d8                | 10.191         | 98   | 236088              | 51.263    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 102.520% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.495         | 95   | 84327               | 55.679    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 111.360% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.948          | 59   | 212                 | 2.695     | ug/l # | 89       |
| 16) Acetone                   | 3.960          | 43   | 2082                | 7.968     | ug/l   | 94       |
| 31) Cyclohexane               | 7.795          | 56   | 2329                | 1.182     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 8216                | 4.439     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 11976               | 5.589     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.495         | 75   | 45257               | 51.041    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495         | 75   | 45257               | 115.140   | ug/l # | 10       |
| 95) Naphthalene               | 15.251         | 128  | 544                 | Below Cal | #      | 73       |
| -----                         |                |      |                     |           |        |          |

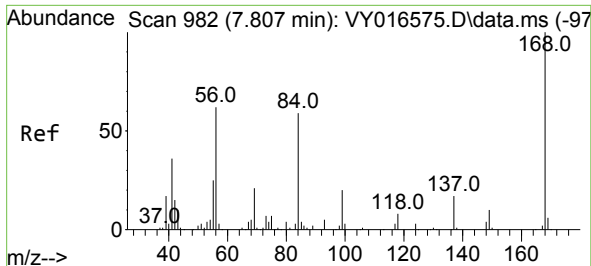
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
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MSVOA\_Y  
ClientSampleId :

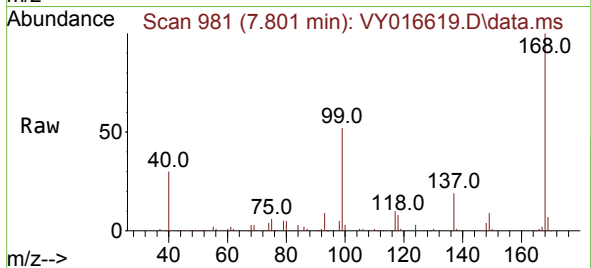
Quant Time: Dec 07 00:35:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 05 01:24:25 2023  
Response via : Initial Calibration



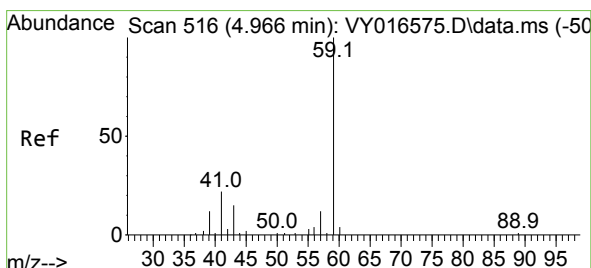
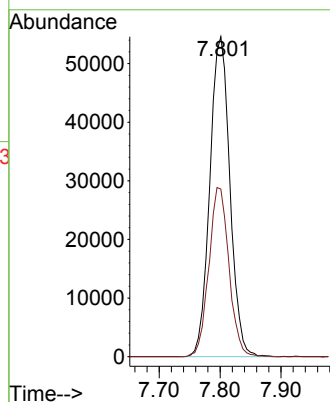
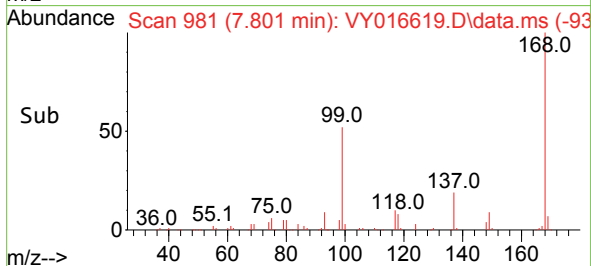


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

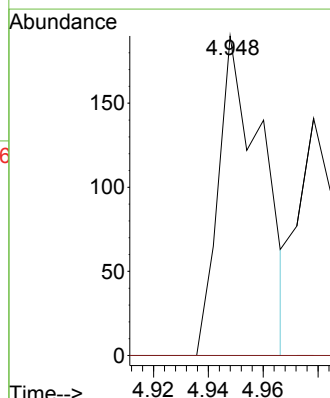
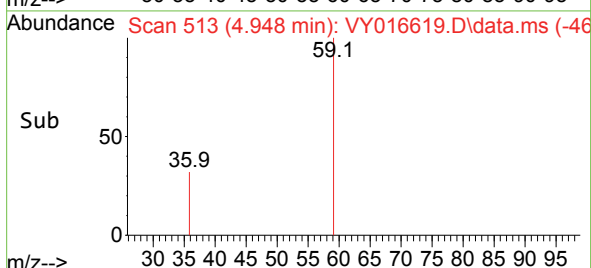
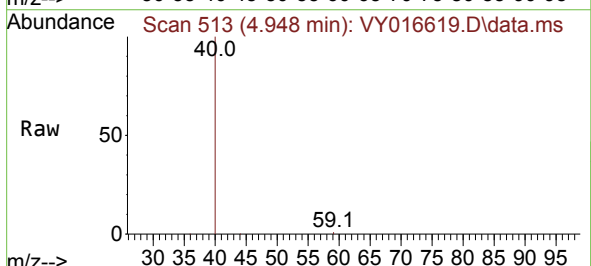


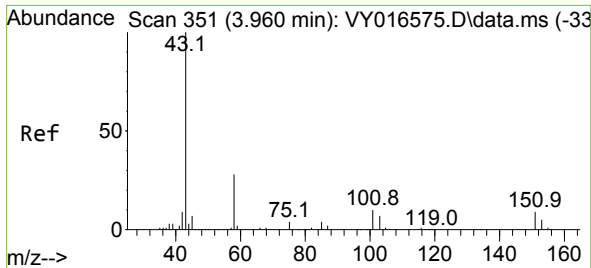
Tgt Ion:168 Resp: 124923  
Ion Ratio Lower Upper  
168 100  
99 52.4 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 2.695 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.018 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

Tgt Ion: 59 Resp: 212  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

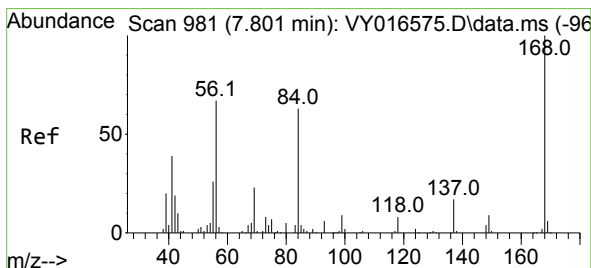
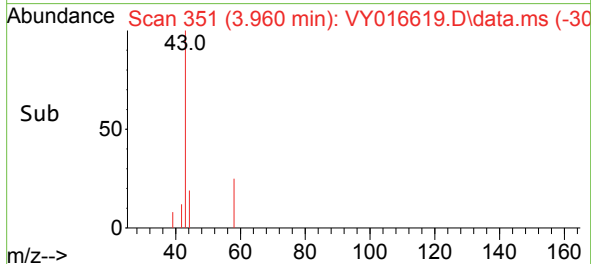
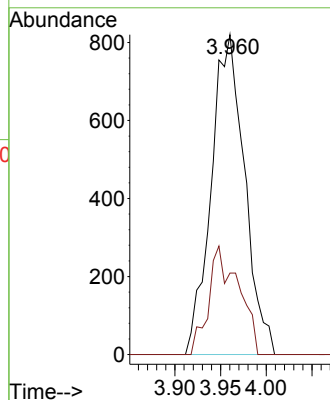
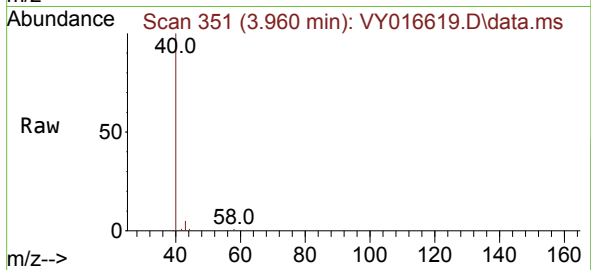




#16  
Acetone  
Concen: 7.968 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

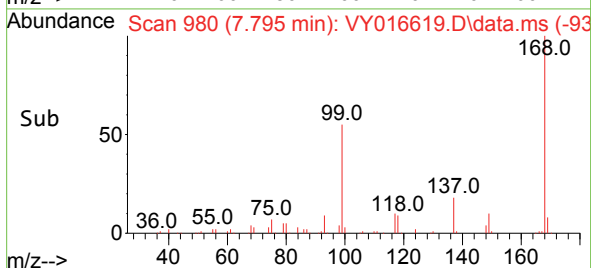
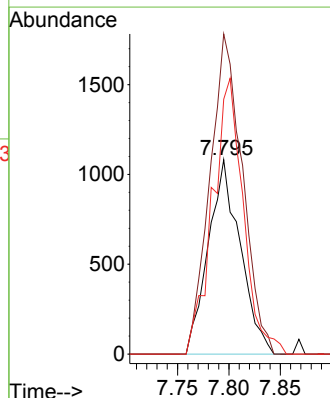
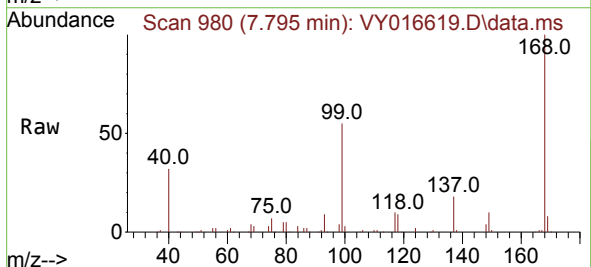
Instrument :  
MSVOA\_Y  
ClientSampleId :

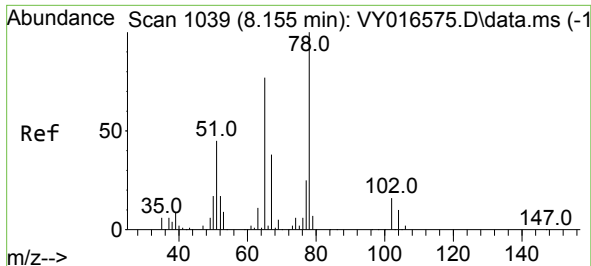
Tgt Ion: 43 Resp: 2082  
Ion Ratio Lower Upper  
43 100  
58 25.5 22.7 34.1



#31  
Cyclohexane  
Concen: 1.182 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

Tgt Ion: 56 Resp: 2329  
Ion Ratio Lower Upper  
56 100  
69 164.7 27.8 41.6#  
84 131.1 66.4 99.6#

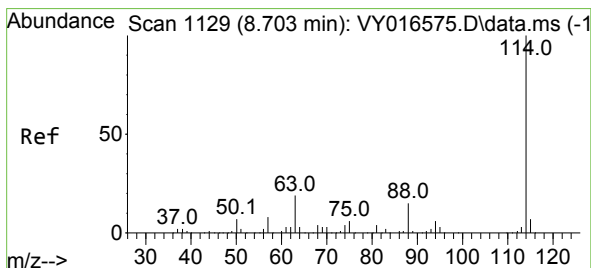
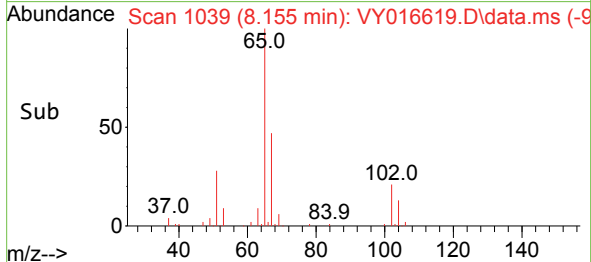
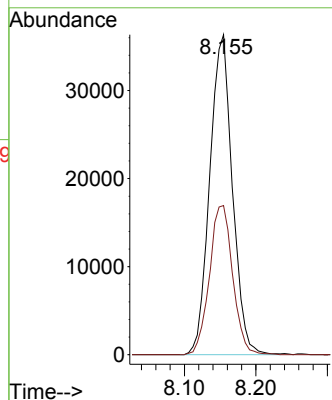
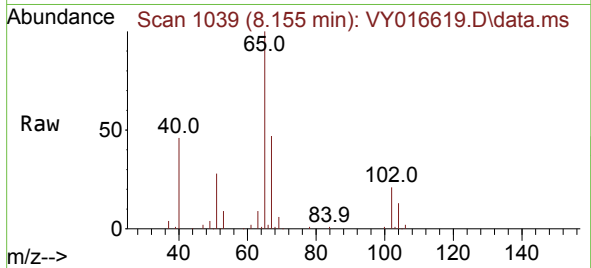




#33  
 1,2-Dichloroethane-d4  
 Concen: 69.137 ug/l  
 RT: 8.155 min Scan# 1039  
 Delta R.T. -0.000 min  
 Lab File: VY016619.D  
 Acq: 06 Dec 2023 16:31

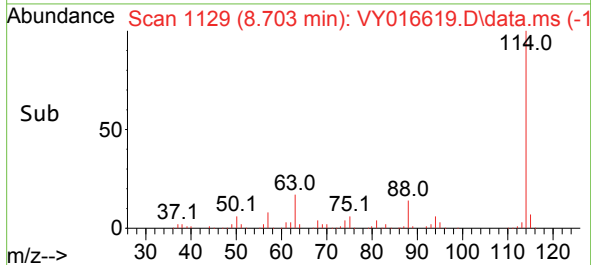
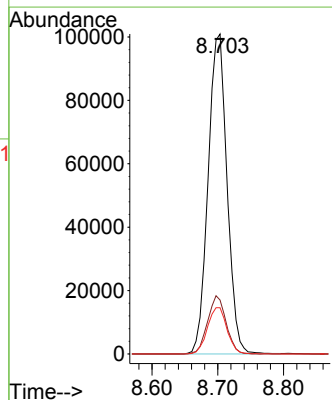
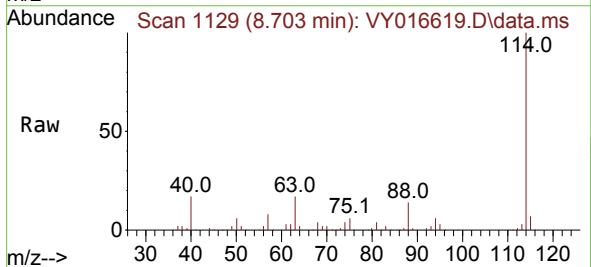
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

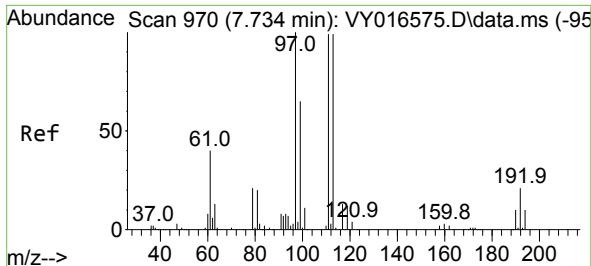
Tgt Ion: 65 Resp: 79827  
 Ion Ratio Lower Upper  
 65 100  
 67 47.9 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VY016619.D  
 Acq: 06 Dec 2023 16:31

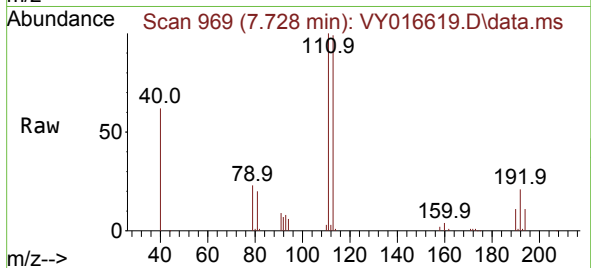
Tgt Ion: 114 Resp: 202318  
 Ion Ratio Lower Upper  
 114 100  
 63 16.9 0.0 42.4  
 88 14.5 0.0 30.6



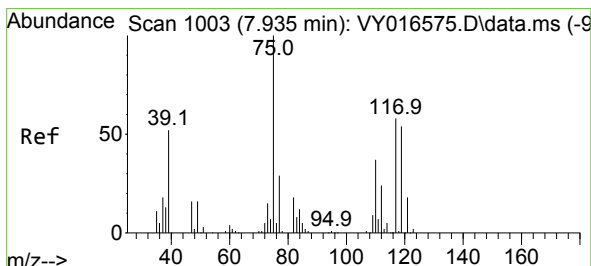
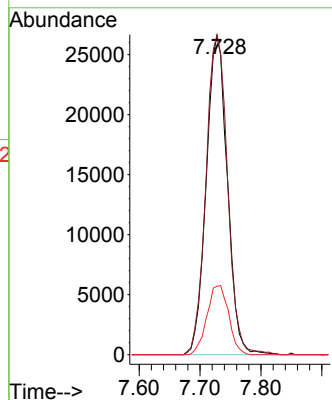
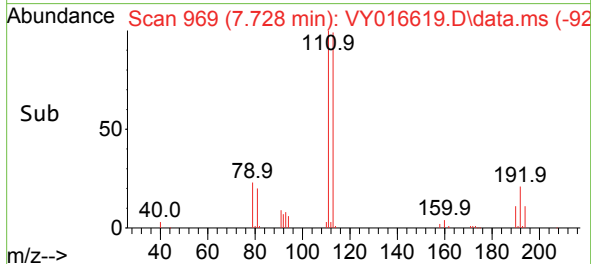


#35  
Dibromofluoromethane  
Concen: 52.441 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

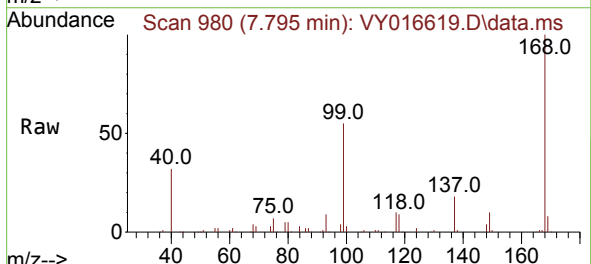
Instrument :  
MSVOA\_Y  
ClientSampleId :



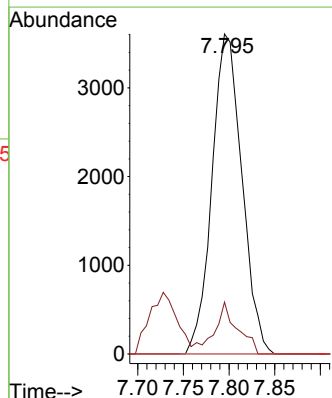
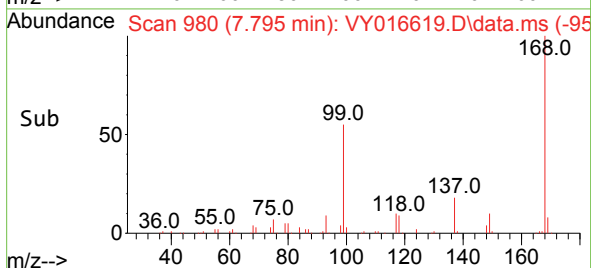
Tgt Ion:113 Resp: 63850  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.3 121.9  
192 22.4 16.9 25.3

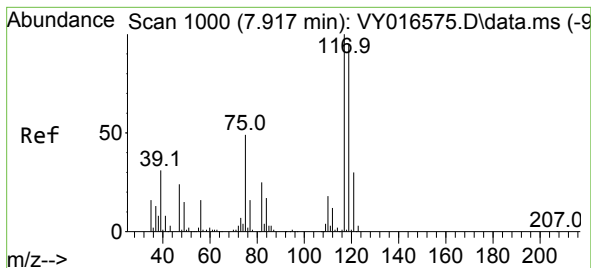


#36  
1,1-Dichloropropene  
Concen: 4.439 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.140 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31



Tgt Ion: 75 Resp: 8216  
Ion Ratio Lower Upper  
75 100  
110 11.5 17.8 53.5#  
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.589 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

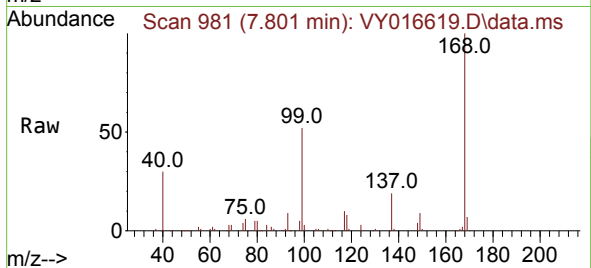
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Acq: 06 Dec 2023 16:31

Instrument :

MSVOA\_Y

ClientSampleId :



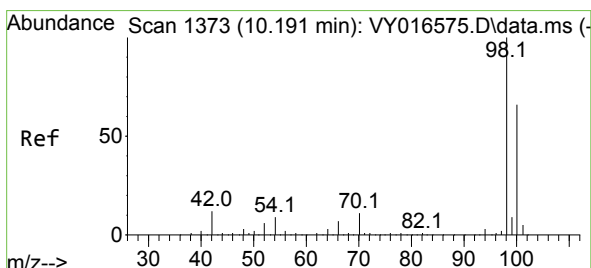
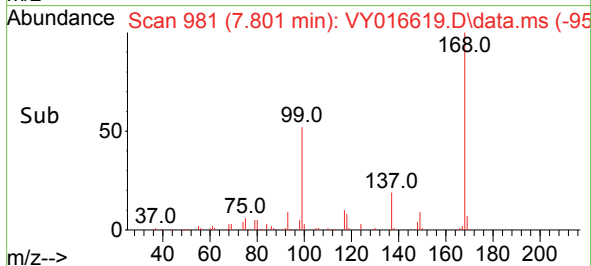
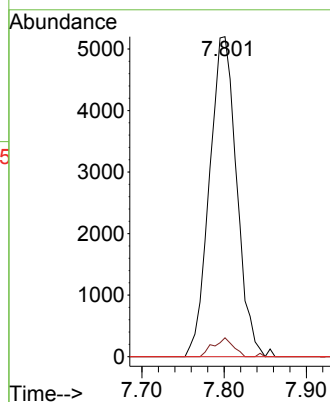
Tgt Ion:117 Resp: 11976

Ion Ratio Lower Upper

117 100

119 5.9 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 51.263 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016619.D

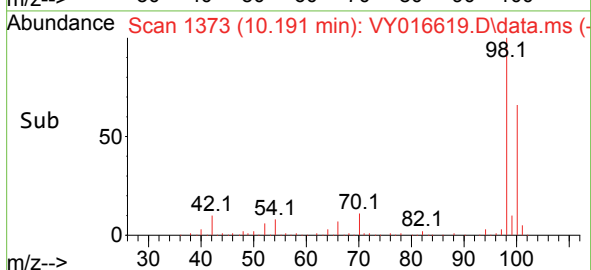
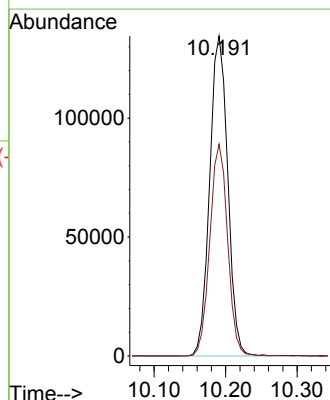
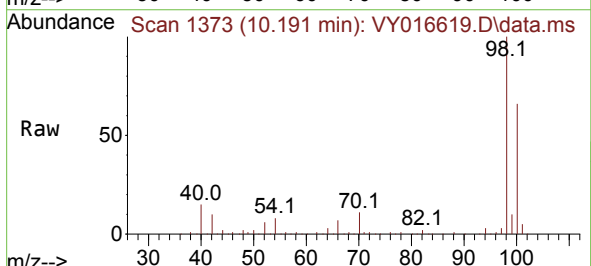
Acq: 06 Dec 2023 16:31

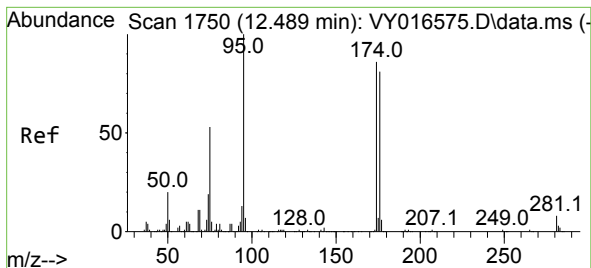
Tgt Ion: 98 Resp: 236088

Ion Ratio Lower Upper

98 100

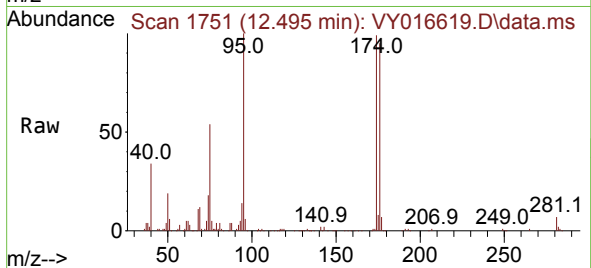
100 65.1 50.1 75.1



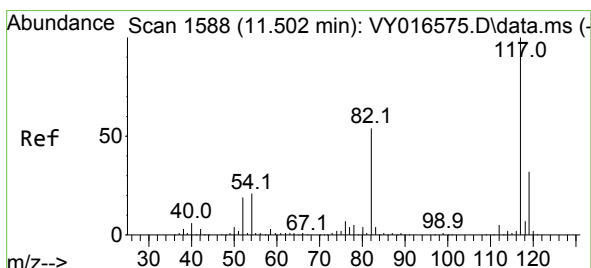
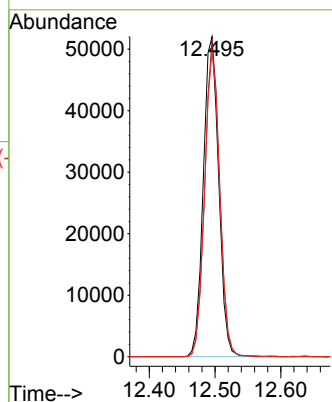
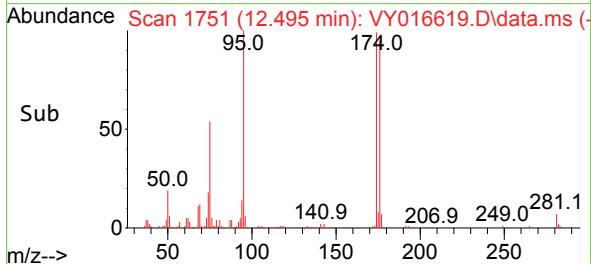


#62  
4-Bromofluorobenzene  
Concen: 55.679 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31

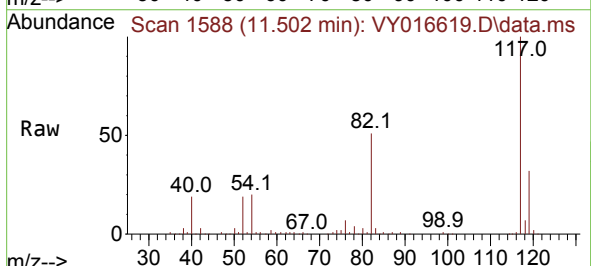
Instrument :  
MSVOA\_Y  
ClientSampleId :



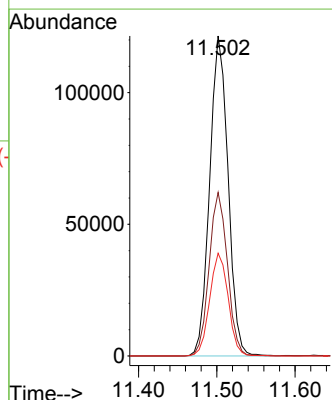
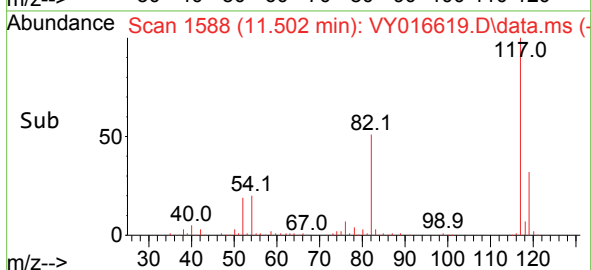
Tgt Ion: 95 Resp: 84327  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 178.2  
176 93.8 0.0 173.8

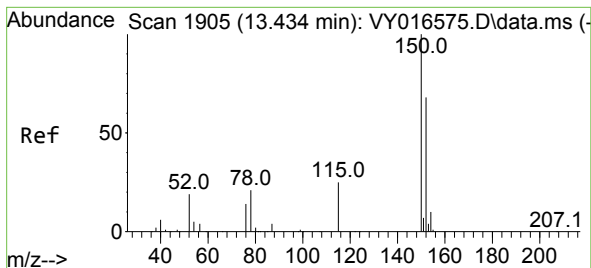


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016619.D  
Acq: 06 Dec 2023 16:31



Tgt Ion: 117 Resp: 198168  
Ion Ratio Lower Upper  
117 100  
82 51.1 43.4 65.0  
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

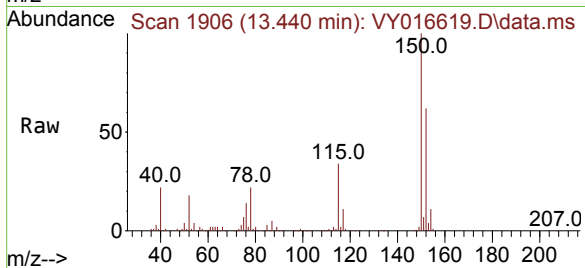
Lab File: VY016619.D

Acq: 06 Dec 2023 16:31

Instrument :

MSVOA\_Y

ClientSampleId :



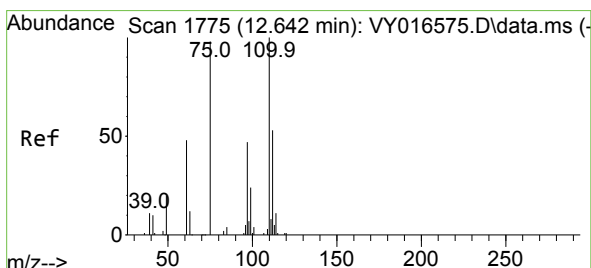
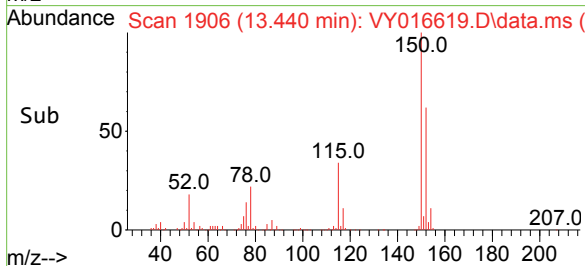
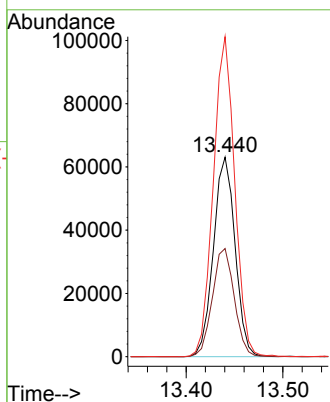
Tgt Ion:152 Resp: 98156

Ion Ratio Lower Upper

152 100

115 54.6 28.8 86.5

150 158.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 51.041 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016619.D

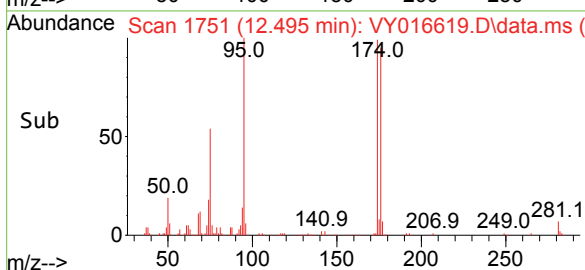
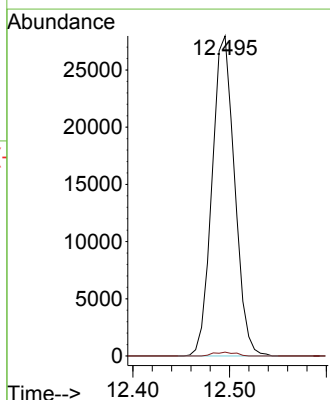
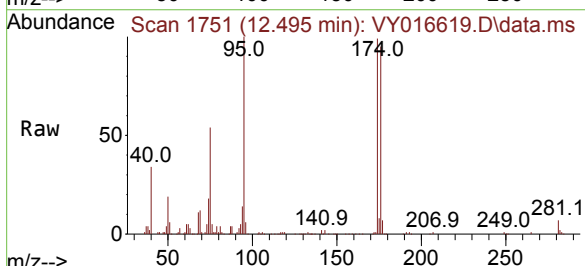
Acq: 06 Dec 2023 16:31

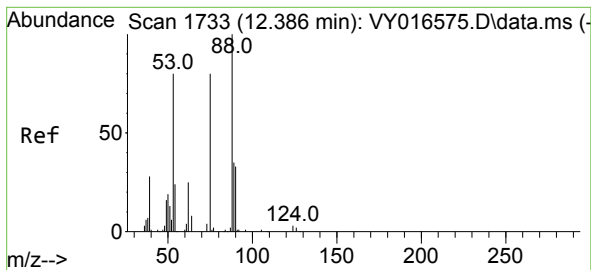
Tgt Ion: 75 Resp: 45257

Ion Ratio Lower Upper

75 100

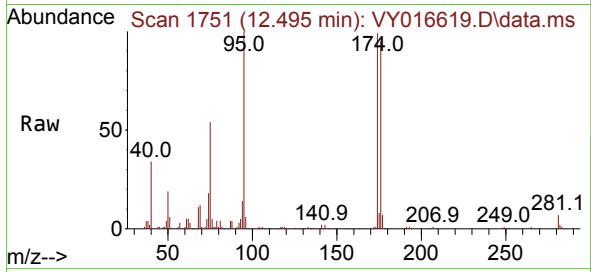
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 115.140 ug/l  
 RT: 12.495 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY016619.D  
 Acq: 06 Dec 2023 16:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 45257  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

