

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016486.D  
 Acq On : 24 Nov 2023 15:52  
 Operator : SY/MD  
 Sample : 05517-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:46:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

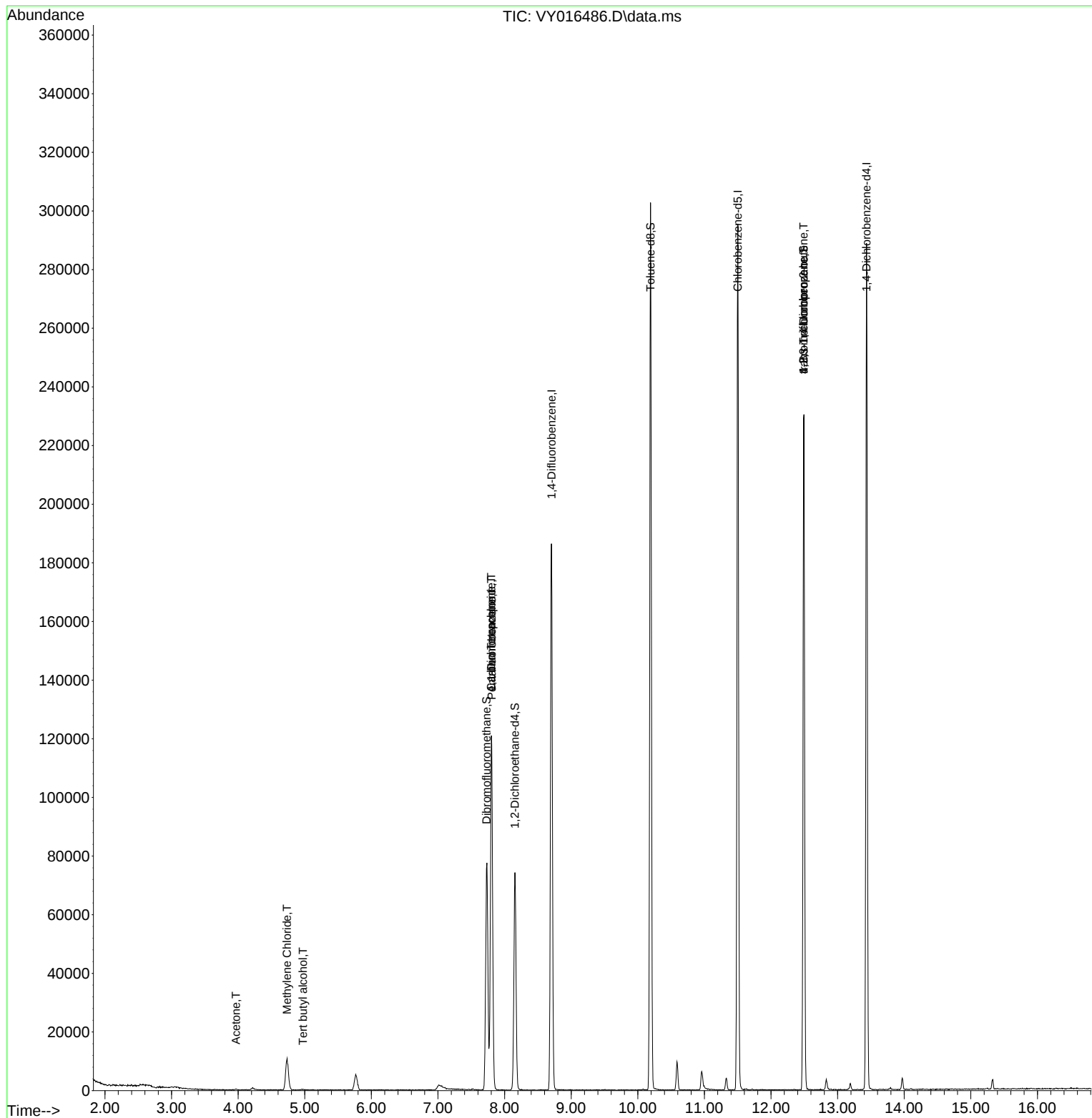
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 98076    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703  | 114   | 173010   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 170885   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 78403    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 59379    | 66.243   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 132.480% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 56284    | 57.269   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 114.540% |          |
| 50) Toluene-d8                | 10.191 | 98    | 205757   | 51.627   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 103.260% |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 72465    | 55.982   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 111.960% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 345      | 4.915    | ug/l #     | 89       |
| 16) Acetone                   | 3.966  | 43    | 384      | 2.590    | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.735  | 84    | 9028     | 5.523    | ug/l #     | 79       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 6889     | 4.037    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 9696     | 5.474    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 35777    | 47.569   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 35777    | 103.252  | ug/l #     | 10       |
| -----                         |        |       |          |          |            |          |

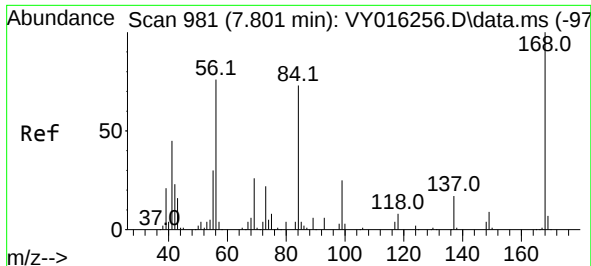
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY016486.D  
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Sample : 05517-04  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

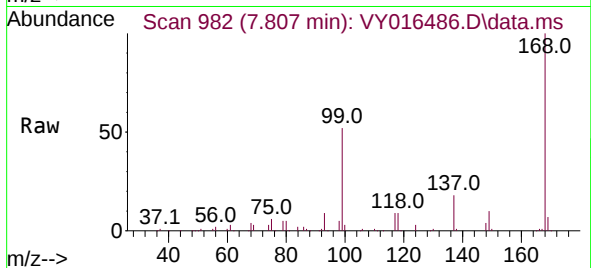
Quant Time: Nov 27 04:46:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



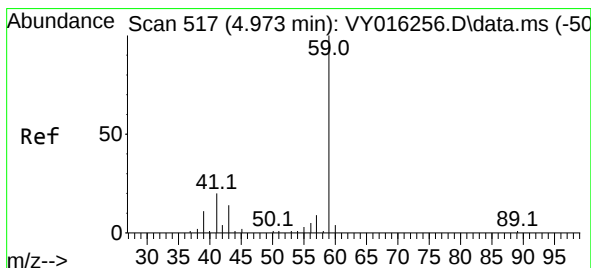
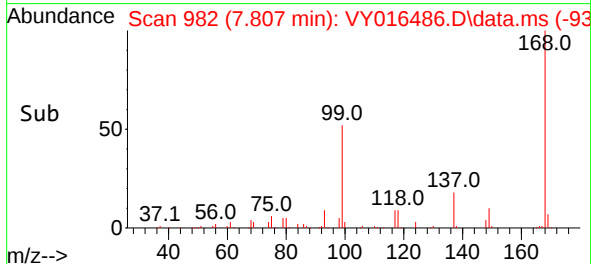
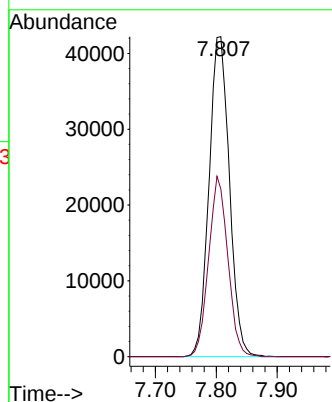


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Instrument :  
MSVOA\_Y  
ClientSampleId :

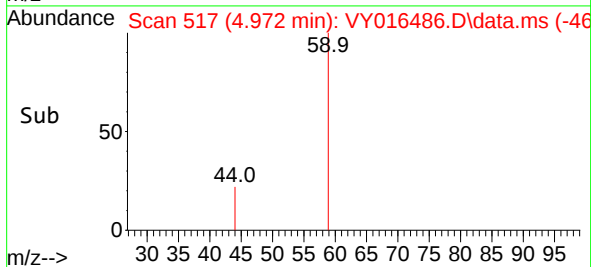
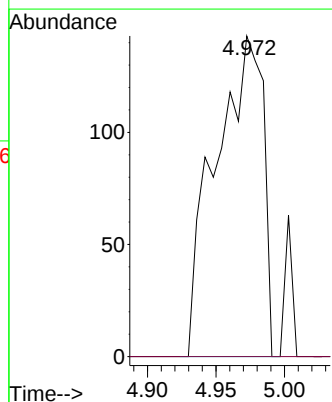
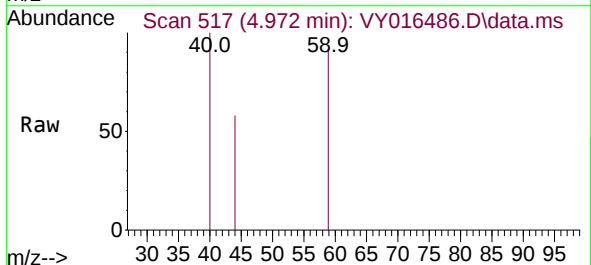


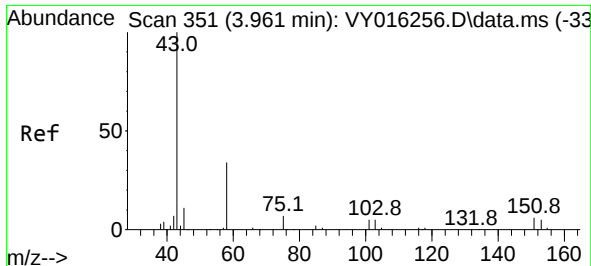
Tgt Ion:168 Resp: 98076  
Ion Ratio Lower Upper  
168 100  
99 52.4 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 4.915 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Tgt Ion: 59 Resp: 345  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.590 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY016486.D

Acq: 24 Nov 2023 15:52

Instrument :

MSVOA\_Y

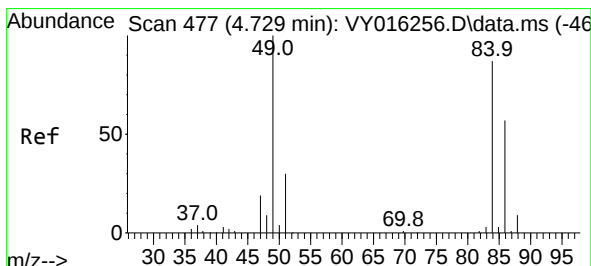
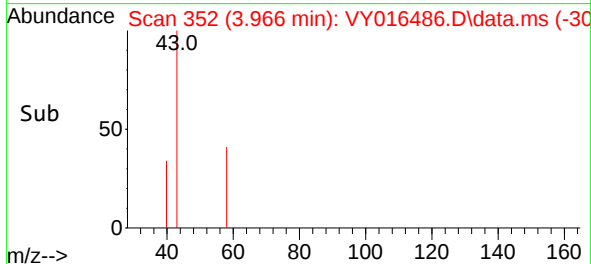
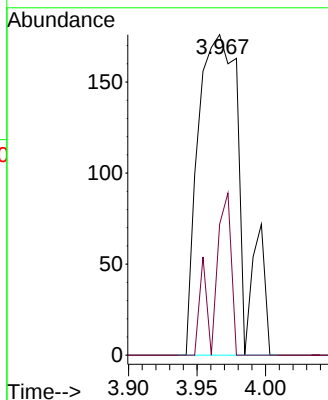
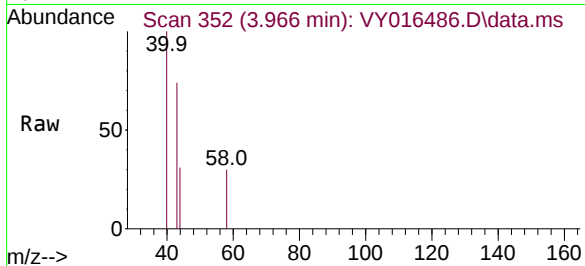
ClientSampleId :

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

58 40.9 22.7 34.1#



#20

Methylene Chloride

Concen: 5.523 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.006 min

Lab File: VY016486.D

Acq: 24 Nov 2023 15:52

Tgt Ion: 84 Resp: 9028

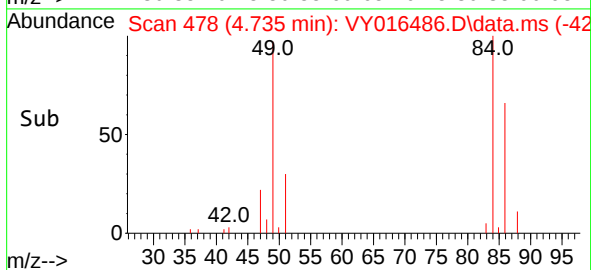
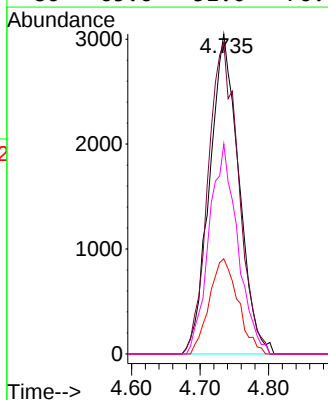
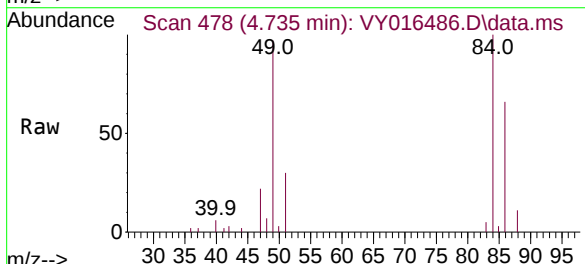
Ion Ratio Lower Upper

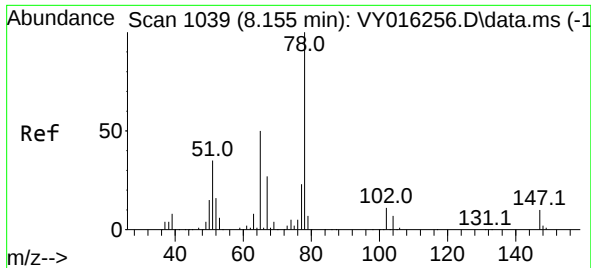
84 100

49 97.4 106.9 160.3#

51 29.7 33.2 49.8#

86 65.6 51.0 76.6

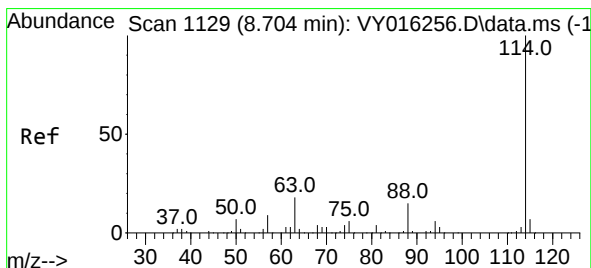
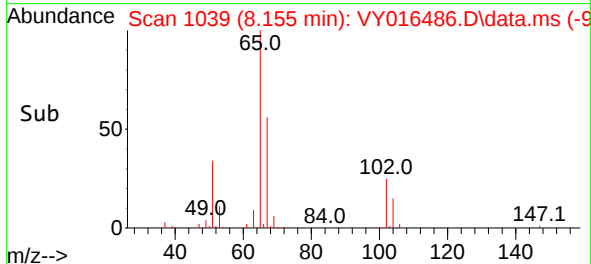
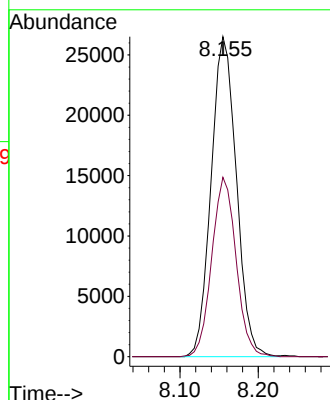
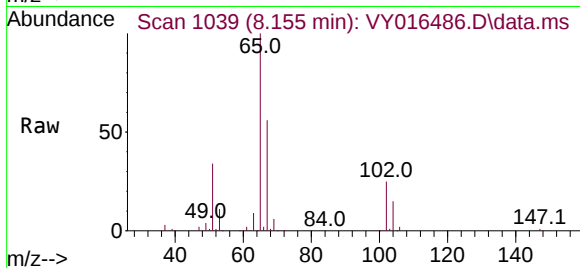




#33  
 1,2-Dichloroethane-d4  
 Concen: 66.243 ug/l  
 RT: 8.155 min Scan# 1039  
 Delta R.T. -0.000 min  
 Lab File: VY016486.D  
 Acq: 24 Nov 2023 15:52

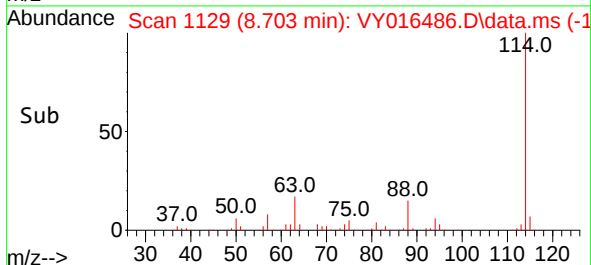
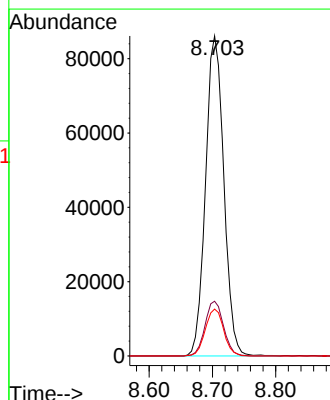
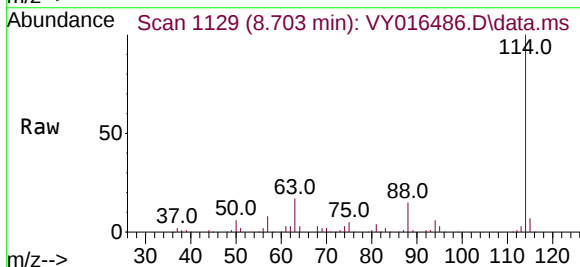
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

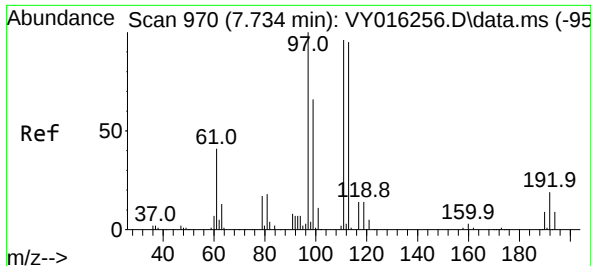
Tgt Ion: 65 Resp: 59379  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VY016486.D  
 Acq: 24 Nov 2023 15:52

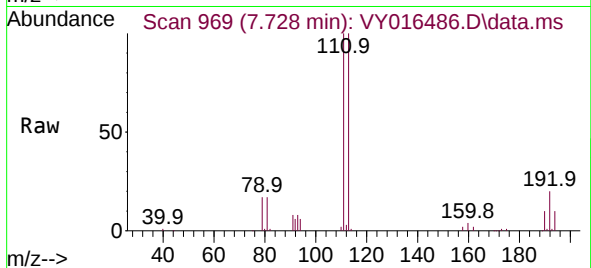
Tgt Ion: 114 Resp: 173010  
 Ion Ratio Lower Upper  
 114 100  
 63 17.1 0.0 42.4  
 88 14.6 0.0 30.6



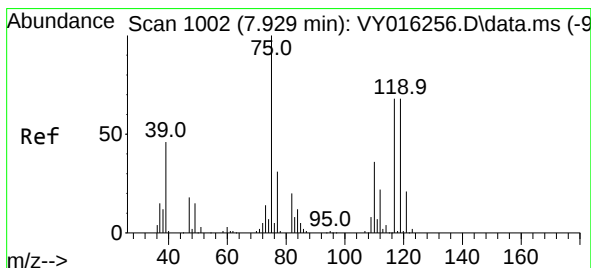
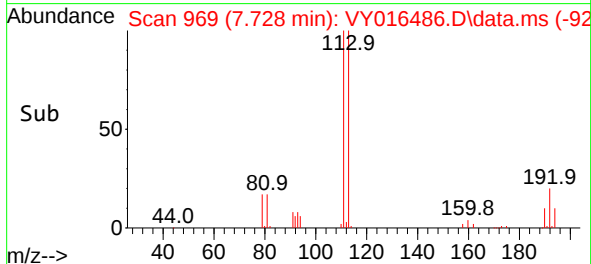
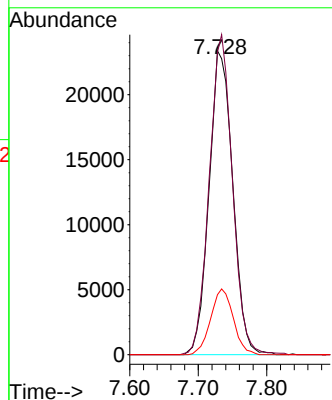


#35  
Dibromofluoromethane  
Concen: 57.269 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Instrument :  
MSVOA\_Y  
ClientSampleId :

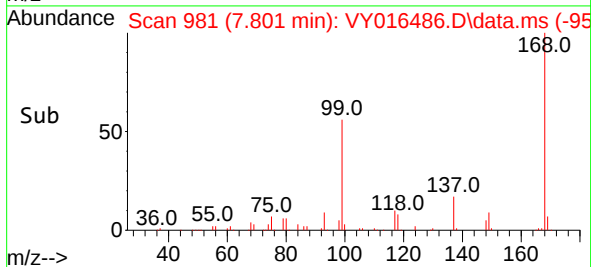
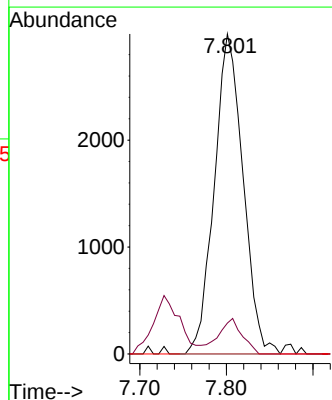
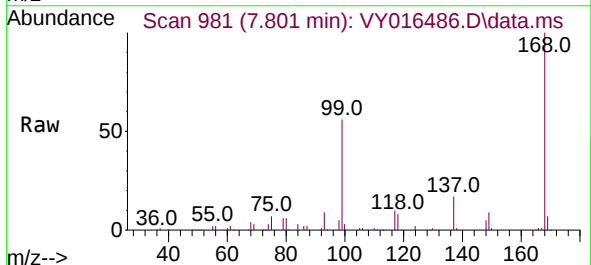


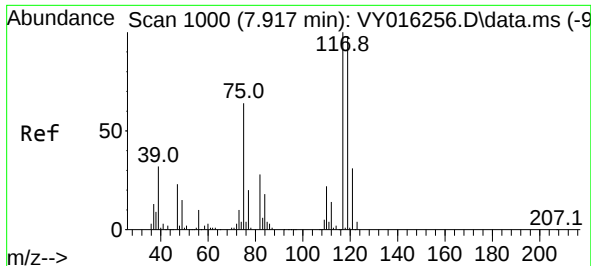
Tgt Ion:113 Resp: 56284  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.3 121.9  
192 20.6 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.037 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

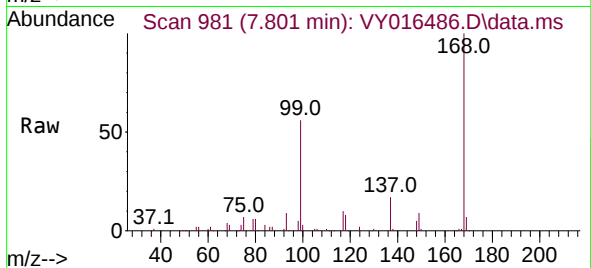
Tgt Ion: 75 Resp: 6889  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.8 53.5#  
77 0.0 24.4 36.6#



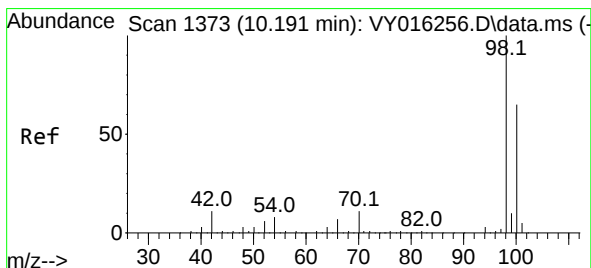
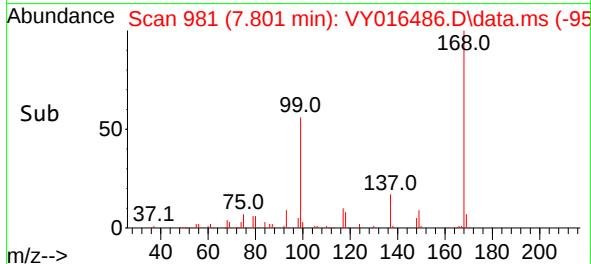
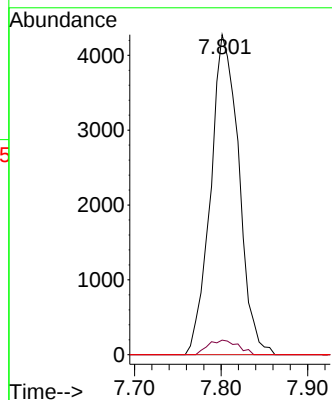


#38  
Carbon Tetrachloride  
Concen: 5.474 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.116 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Instrument :  
MSVOA\_Y  
ClientSampleId :

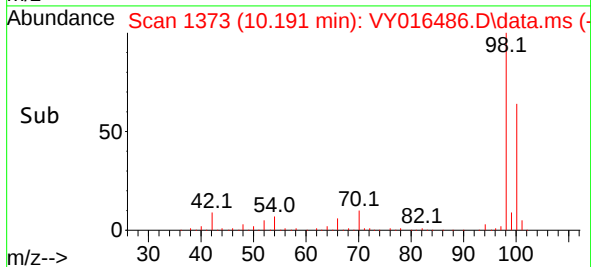
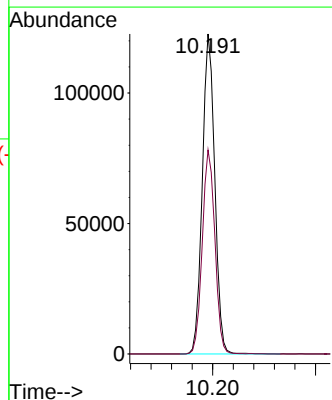
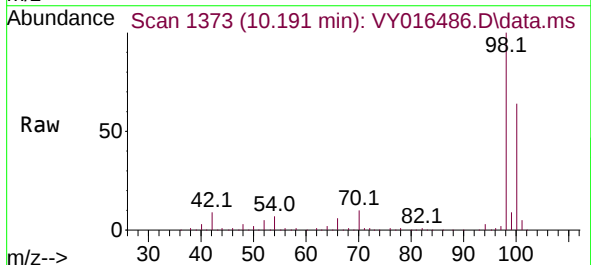


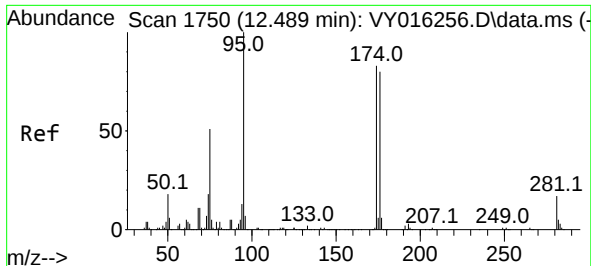
Tgt Ion:117 Resp: 9696  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 51.627 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Tgt Ion: 98 Resp: 205757  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.1 75.1

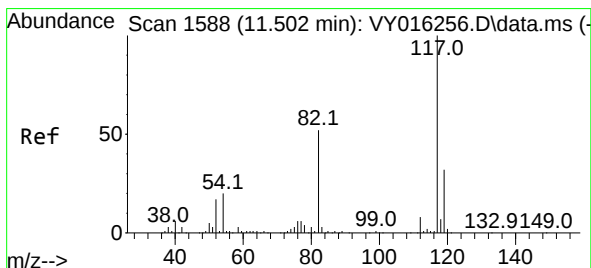
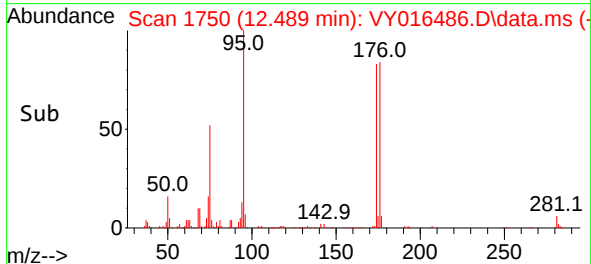
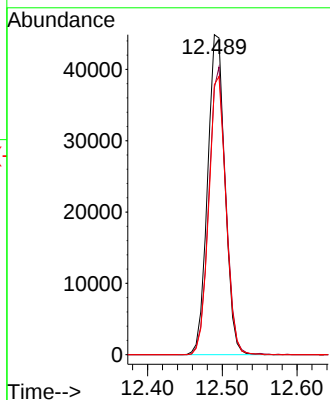
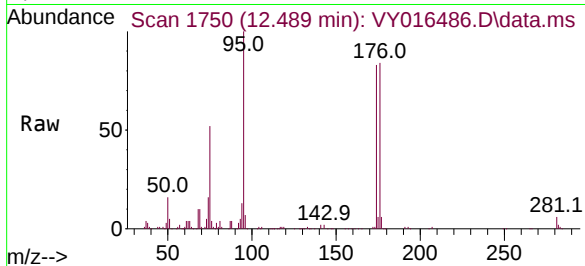




#62  
4-Bromofluorobenzene  
Concen: 55.982 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

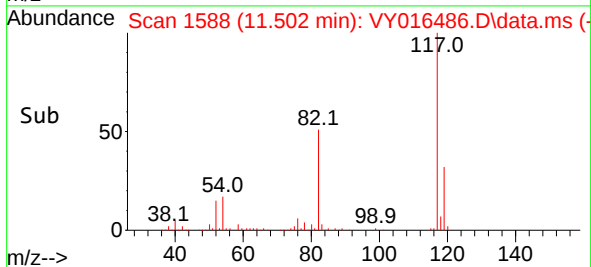
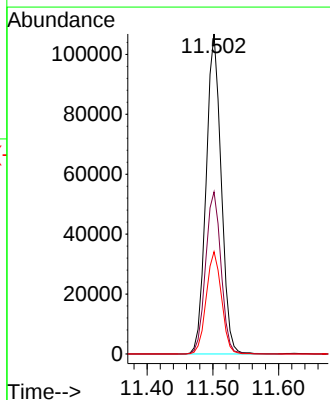
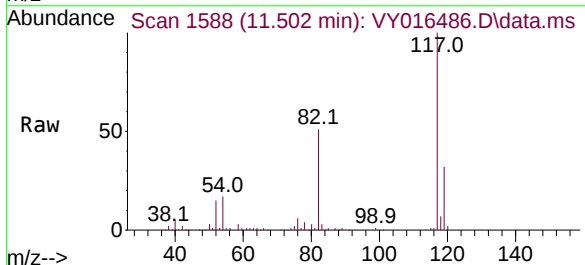
Instrument :  
MSVOA\_Y  
ClientSampleId :

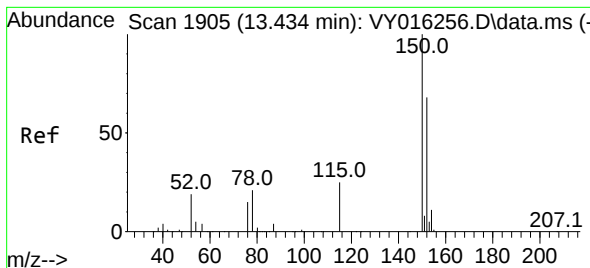
Tgt Ion: 95 Resp: 72465  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 178.2  
176 86.0 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016486.D  
Acq: 24 Nov 2023 15:52

Tgt Ion: 117 Resp: 170885  
Ion Ratio Lower Upper  
117 100  
82 50.7 43.4 65.0  
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016486.D

Acq: 24 Nov 2023 15:52

Instrument :

MSVOA\_Y

ClientSampleId :

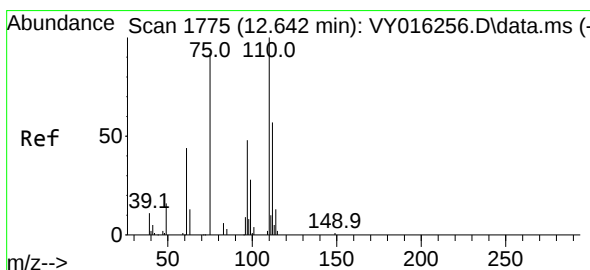
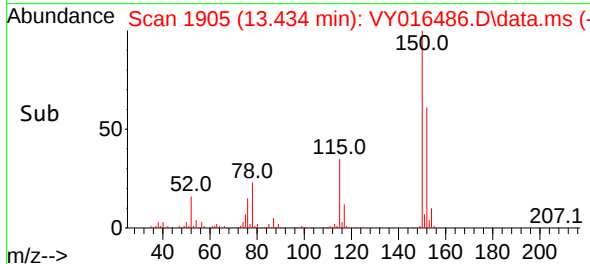
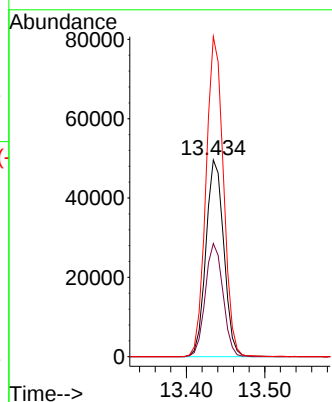
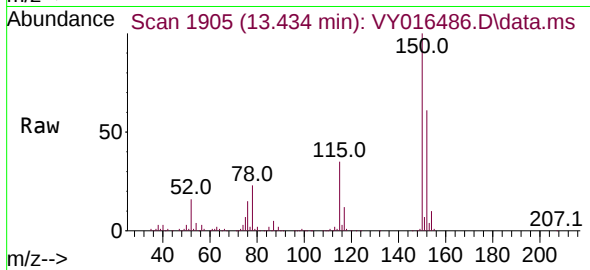
Tgt Ion:152 Resp: 78403

Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 158.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 47.569 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016486.D

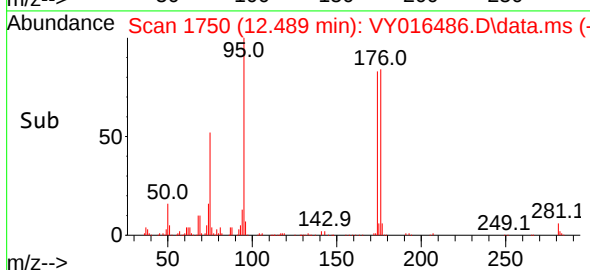
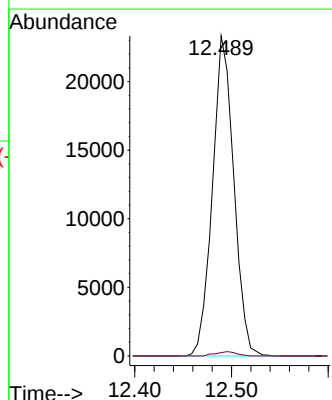
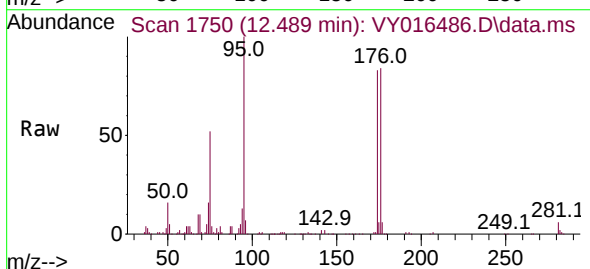
Acq: 24 Nov 2023 15:52

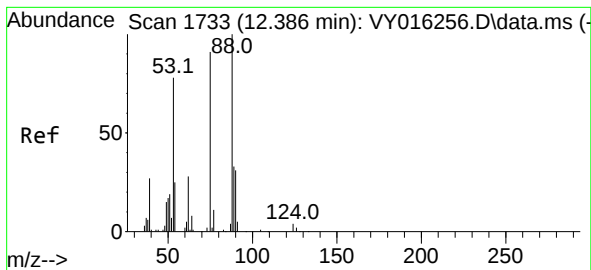
Tgt Ion: 75 Resp: 35777

Ion Ratio Lower Upper

75 100

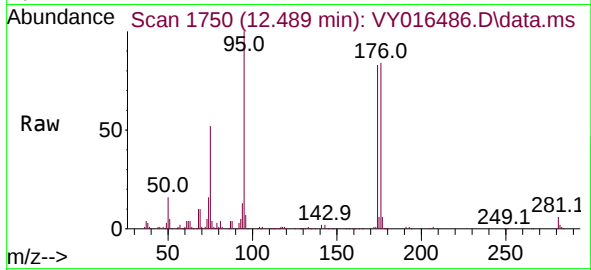
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.252 ug/l  
 RT: 12.489 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY016486.D  
 Acq: 24 Nov 2023 15:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 35777  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

