

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012423\  
 Data File : VY012348.D  
 Acq On : 24 Jan 2023 17:36  
 Operator : KP/MD  
 Sample : 01271-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

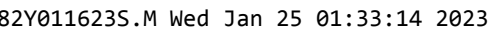
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

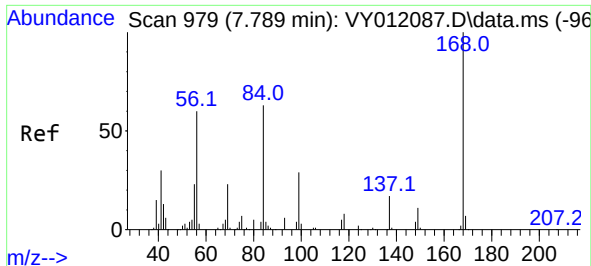
Quant Time: Jan 25 01:33:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 49898    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 83540    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 79616    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 34454    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 31189    | 77.578    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 155.160% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 25486    | 57.616    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 115.240% |          |
| 50) Toluene-d8                | 10.179 | 98    | 99245    | 66.154    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 132.300% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 29803    | 47.794    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 95.580%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.954  | 59    | 41       | Below Cal | #          | 74       |
| 16) Acetone                   | 3.942  | 43    | 240      | 1.727     | ug/l #     | 40       |
| 20) Methylene Chloride        | 4.716  | 84    | 2626     | Below Cal | #          | 78       |
| 31) Cyclohexane               | 7.789  | 56    | 890      | 1.223     | ug/l #     | 30       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 3514     | 4.674     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 4984     | 5.133     | ug/l #     | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 342      | 1.040     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 15679    | 49.489    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 15679    | 101.969   | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

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

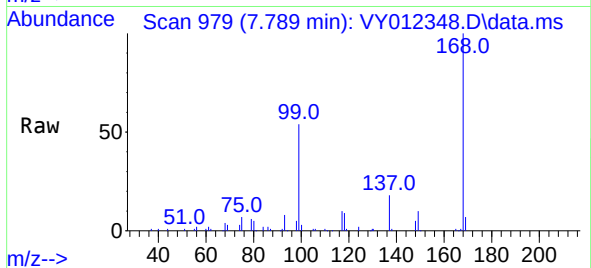
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration



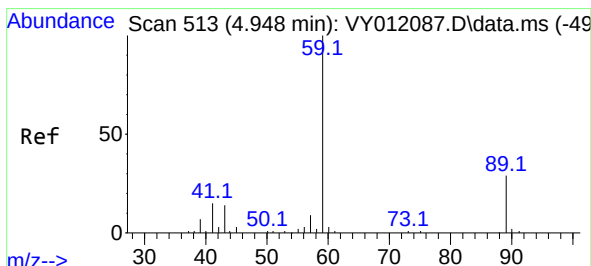
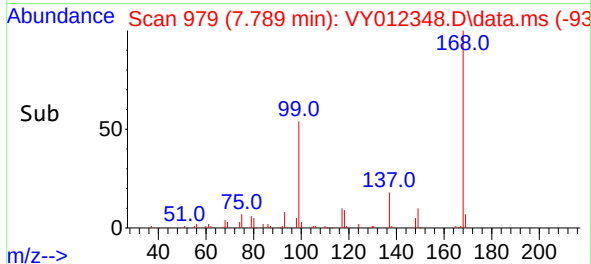
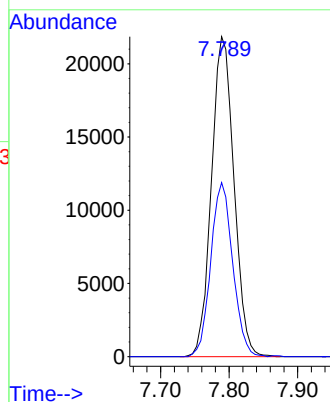


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

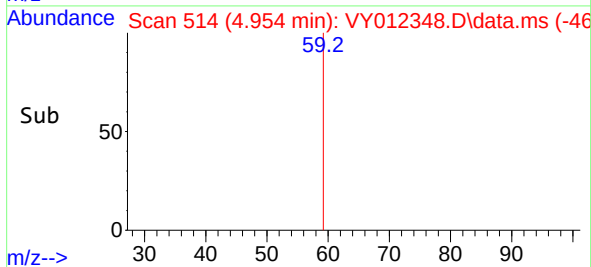
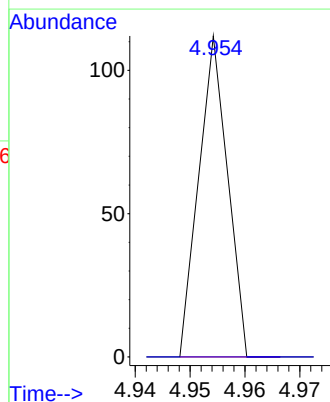
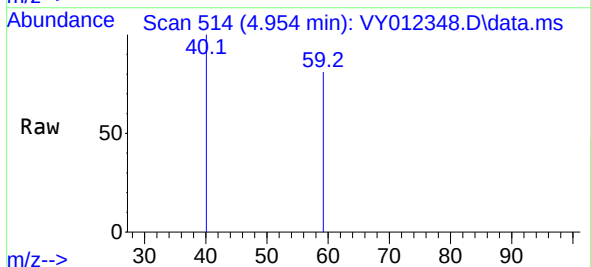


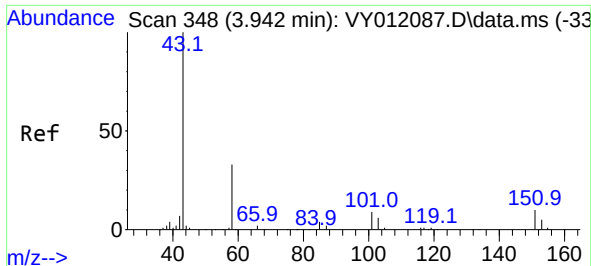
Tgt Ion:168 Resp: 49898  
Ion Ratio Lower Upper  
168 100  
99 54.4 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Tgt Ion: 59 Resp: 41  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

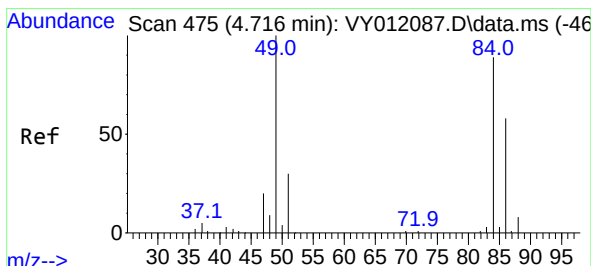
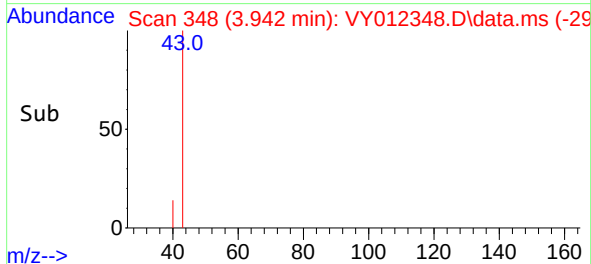
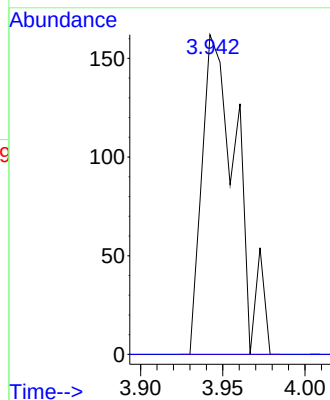
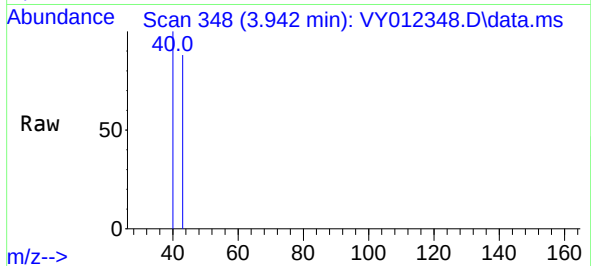




#16  
Acetone  
Concen: 1.727 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

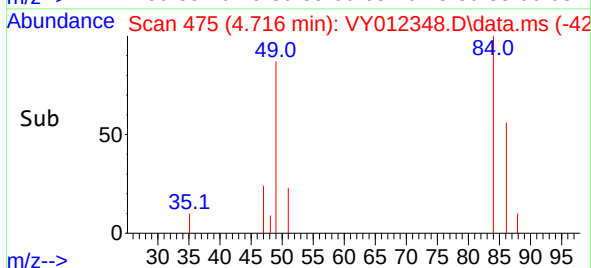
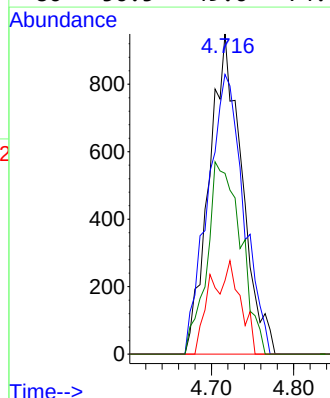
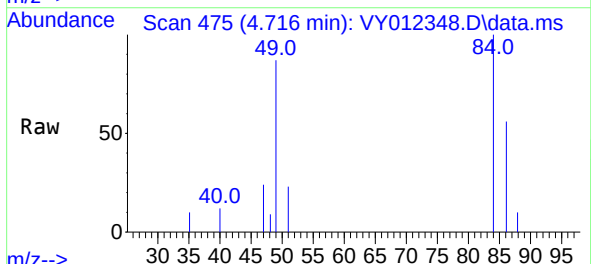
Instrument :  
MSVOA\_Y  
ClientSampleId :

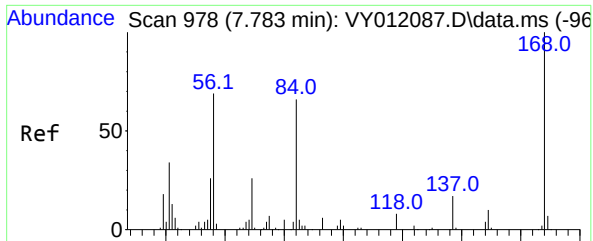
Tgt Ion: 43 Resp: 240  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

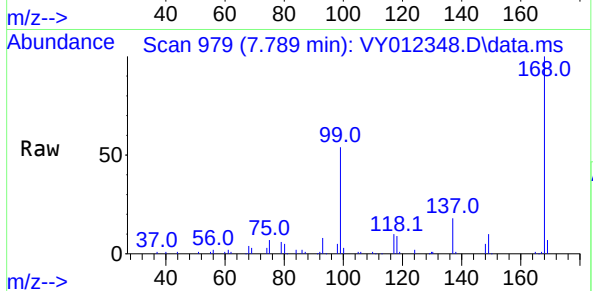
Tgt Ion: 84 Resp: 2626  
Ion Ratio Lower Upper  
84 100  
49 87.4 95.4 143.2#  
51 23.0 29.9 44.9#  
86 56.5 49.6 74.4



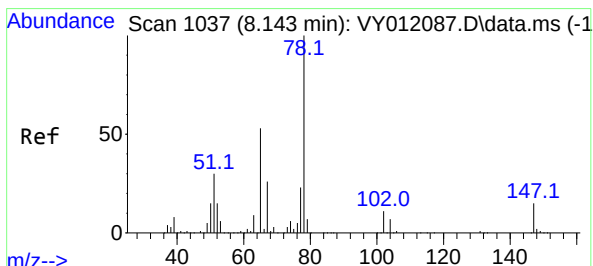
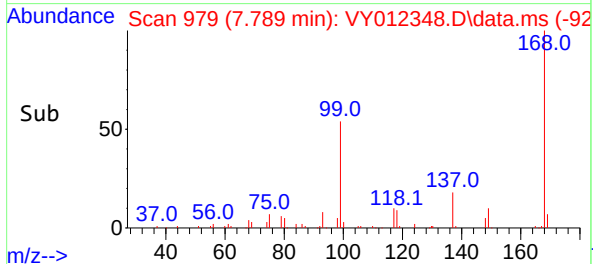
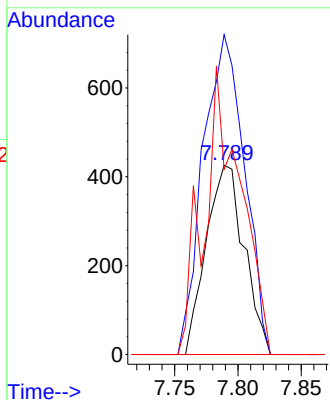


#31  
Cyclohexane  
Concen: 1.223 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

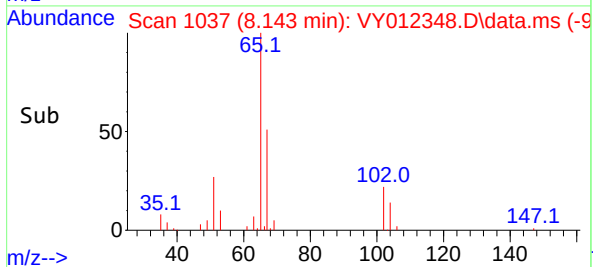
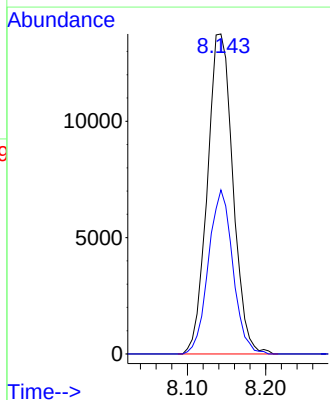
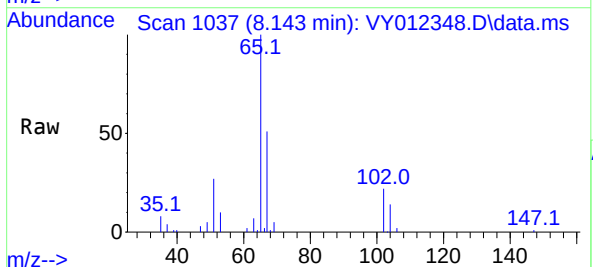


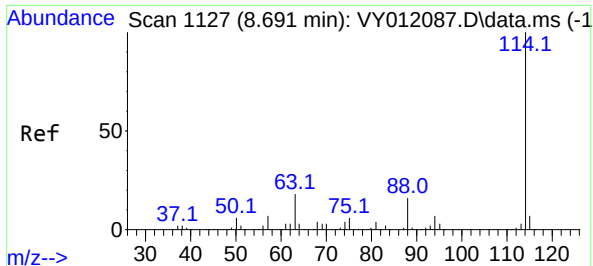
Tgt Ion: 56 Resp: 890  
Ion Ratio Lower Upper  
56 100  
69 169.0 29.2 43.8#  
84 97.9 72.6 108.8



#33  
1,2-Dichloroethane-d4  
Concen: 77.578 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Tgt Ion: 65 Resp: 31189  
Ion Ratio Lower Upper  
65 100  
67 49.0 0.0 103.2

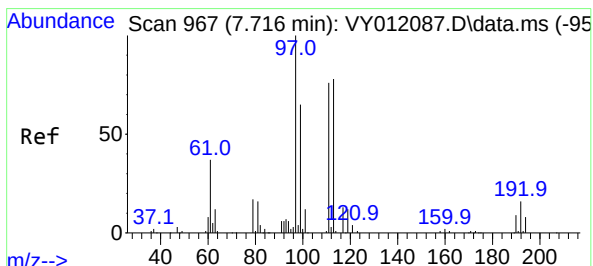
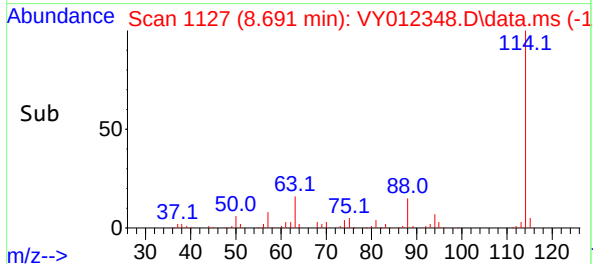
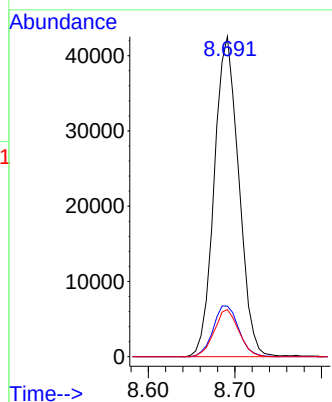
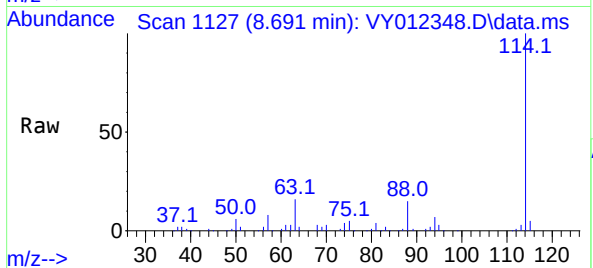




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

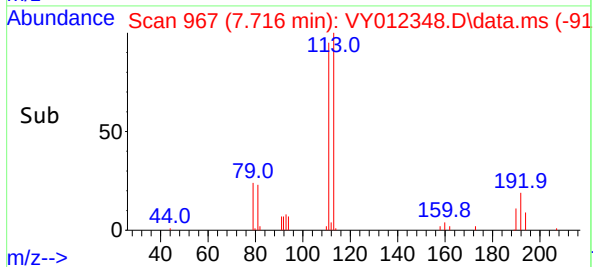
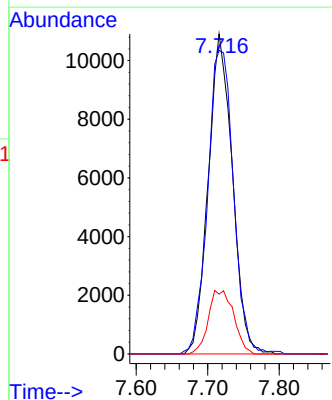
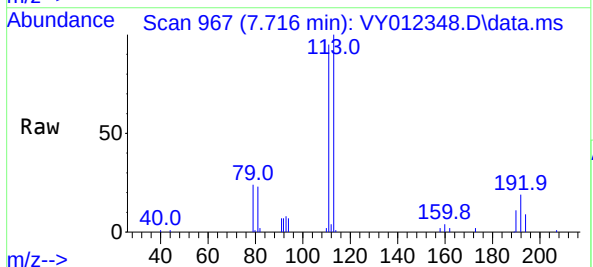
Instrument :  
MSVOA\_Y  
ClientSampleId :

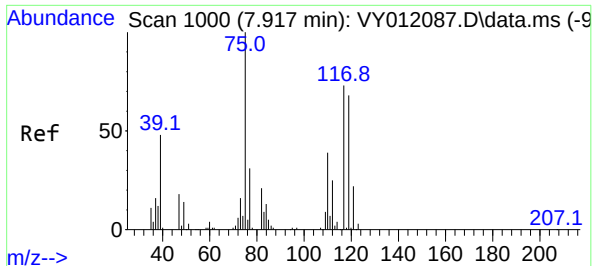
Tgt Ion:114 Resp: 83540  
Ion Ratio Lower Upper  
114 100  
63 15.8 0.0 39.6  
88 14.7 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 57.616 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Tgt Ion:113 Resp: 25486  
Ion Ratio Lower Upper  
113 100  
111 102.1 83.0 124.4  
192 21.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

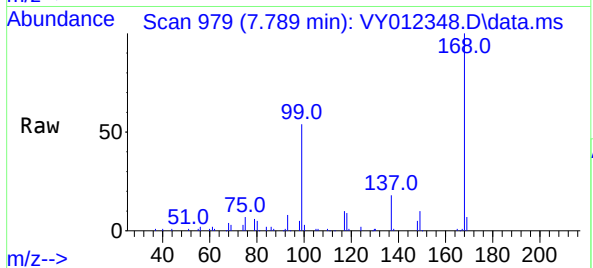
Lab File: VY012348.D

Acq: 24 Jan 2023 17:36

Instrument :

MSVOA\_Y

ClientSampleId :



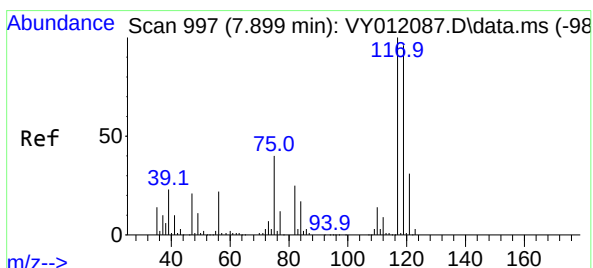
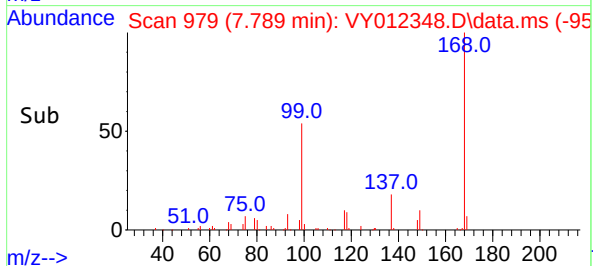
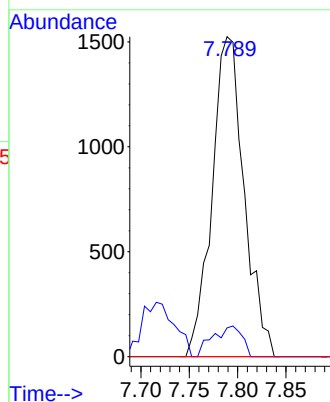
Tgt Ion: 75 Resp: 3514

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.133 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012348.D

Acq: 24 Jan 2023 17:36

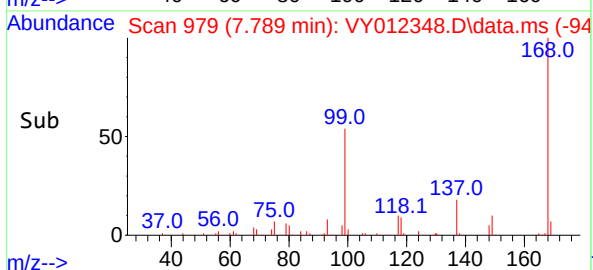
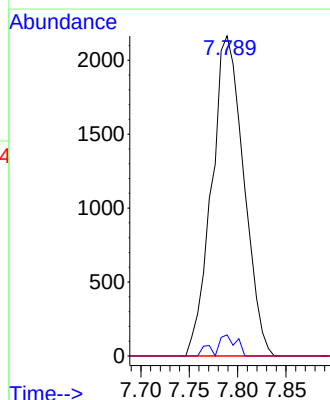
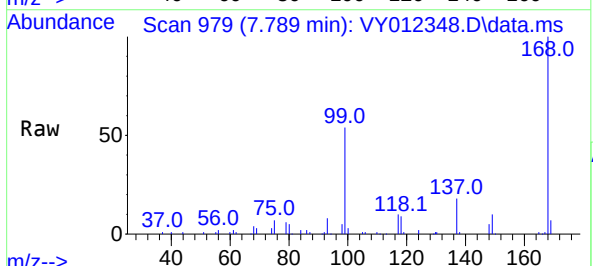
Tgt Ion: 117 Resp: 4984

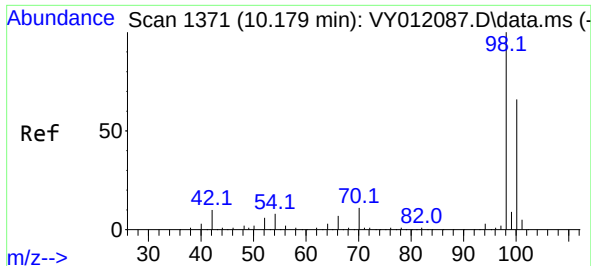
Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.8#

121 0.0 25.2 37.8#

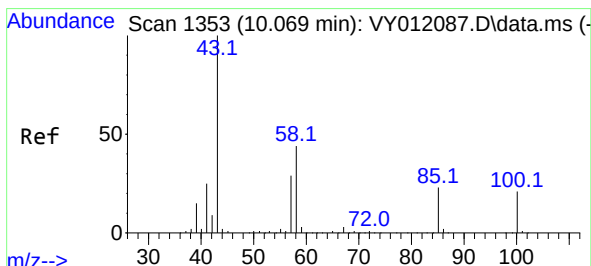
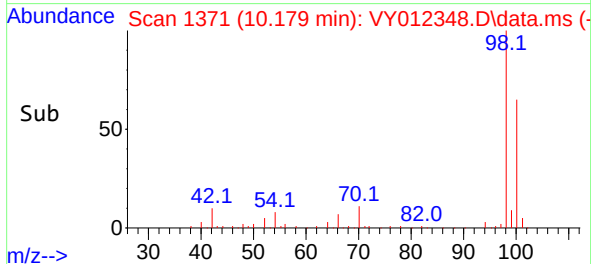
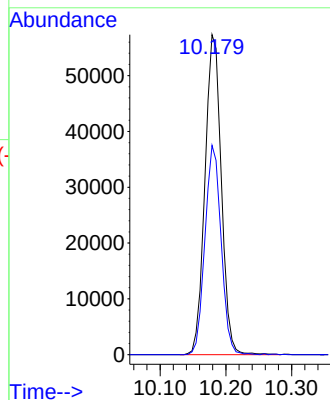
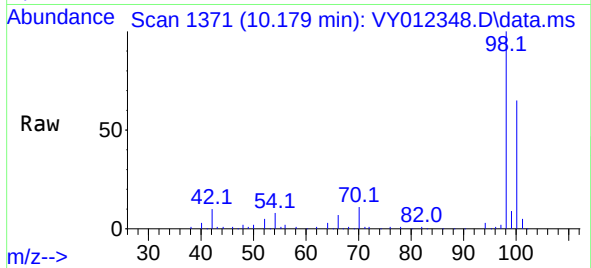




#50  
Toluene-d8  
Concen: 66.154 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

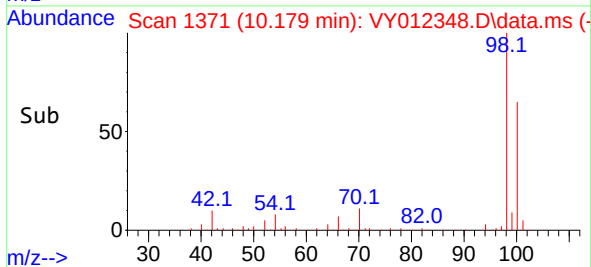
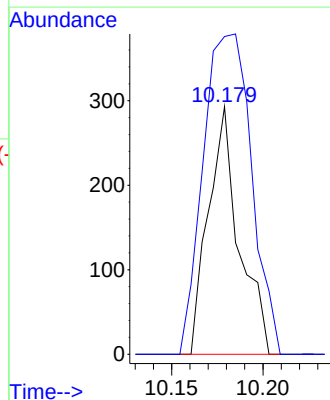
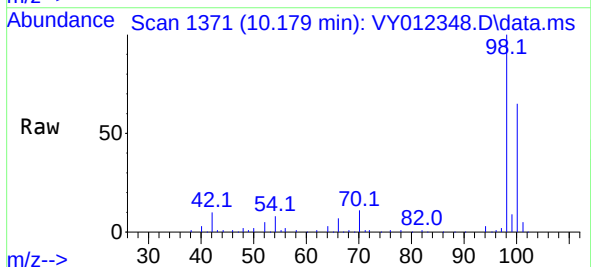
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 99245  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9

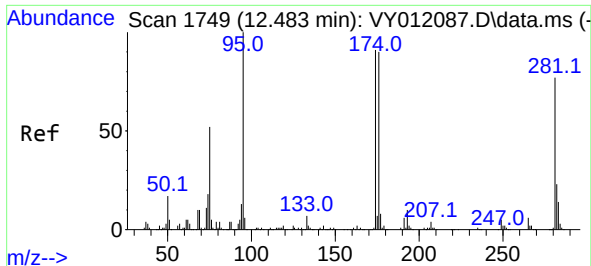


#51  
4-Methyl-2-Pentanone  
Concen: 1.040 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.110 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Tgt Ion: 43 Resp: 342  
Ion Ratio Lower Upper  
43 100  
58 204.4 32.9 49.3#



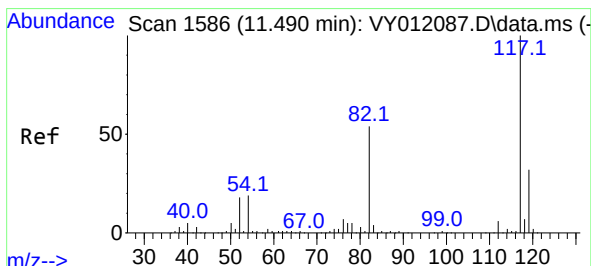
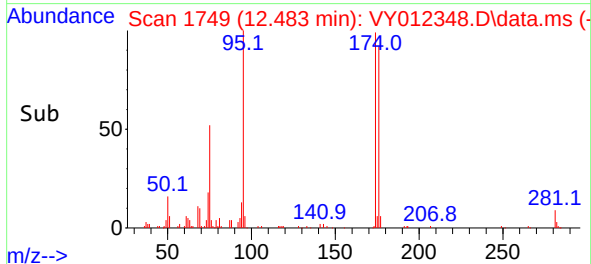
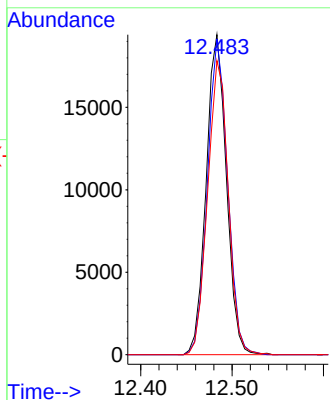
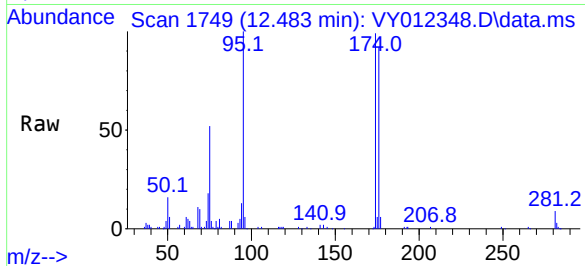




#62  
4-Bromofluorobenzene  
Concen: 47.794 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

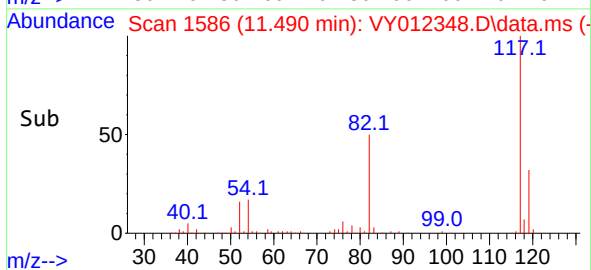
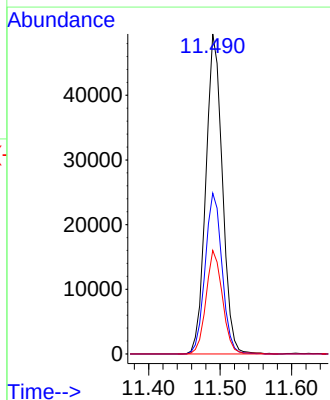
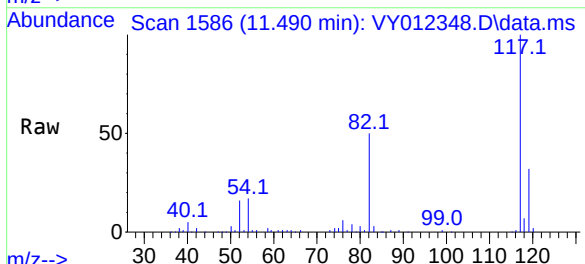
Instrument :  
MSVOA\_Y  
ClientSampleId :

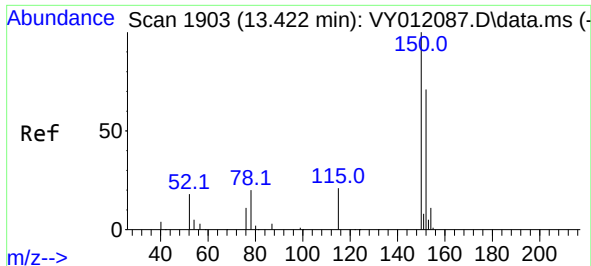
Tgt Ion: 95 Resp: 29803  
Ion Ratio Lower Upper  
95 100  
174 98.6 0.0 172.0  
176 93.8 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012348.D  
Acq: 24 Jan 2023 17:36

Tgt Ion: 117 Resp: 79616  
Ion Ratio Lower Upper  
117 100  
82 50.2 44.8 67.2  
119 32.3 25.4 38.2

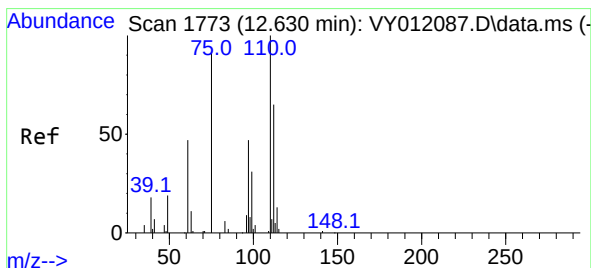
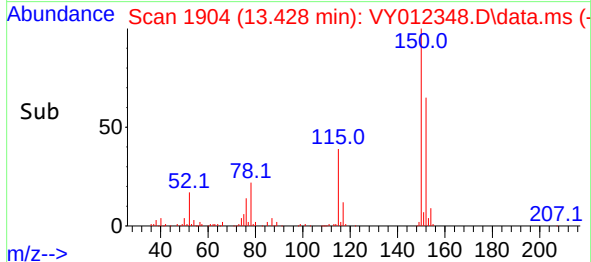
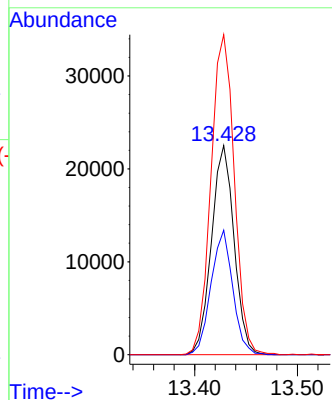
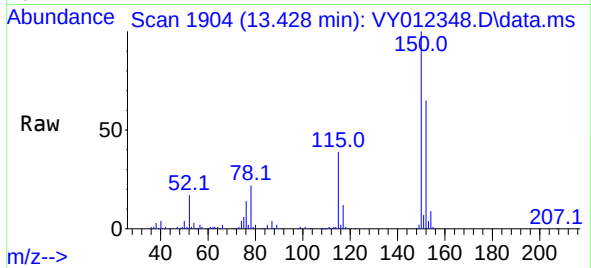




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY012348.D  
 Acq: 24 Jan 2023 17:36

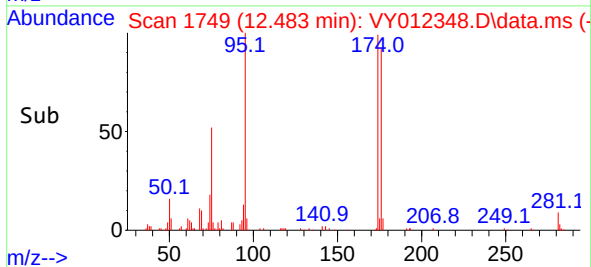
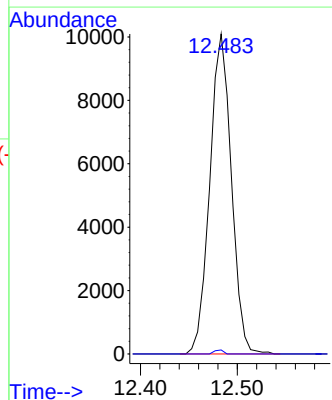
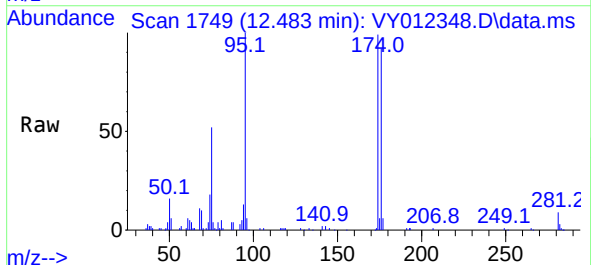
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

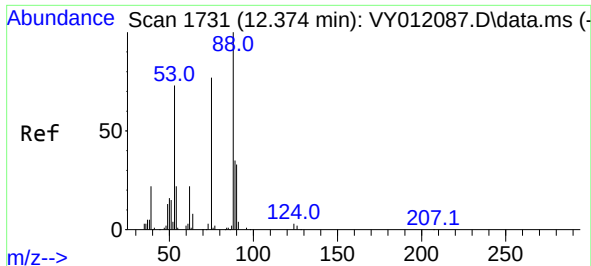
Tgt Ion:152 Resp: 34454  
 Ion Ratio Lower Upper  
 152 100  
 115 57.2 29.1 87.3  
 150 157.9 0.0 342.6



#76  
 1,2,3-Trichloropropane  
 Concen: 49.489 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY012348.D  
 Acq: 24 Jan 2023 17:36

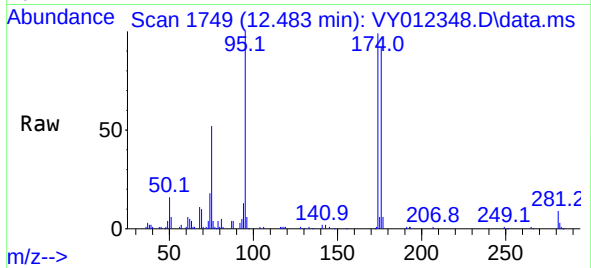
Tgt Ion: 75 Resp: 15679  
 Ion Ratio Lower Upper  
 75 100  
 77 0.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 101.969 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY012348.D  
 Acq: 24 Jan 2023 17:36

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 15679  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.0 37.0 55.4#

