

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030623\  
 Data File : VY012820.D  
 Acq On : 06 Mar 2023 13:57  
 Operator : KP/MD  
 Sample : 01776-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-6-030223

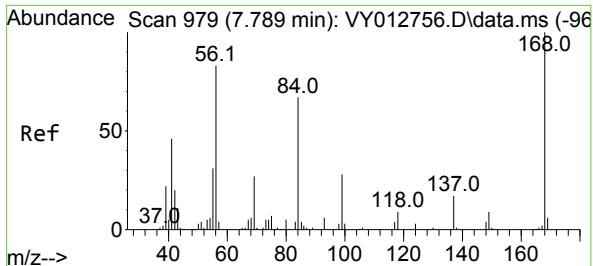
Quant Time: Mar 07 04:23:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 117615              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 189993              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 169961              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 78972               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 76863               | 65.821    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 131.640% |           |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 75271               | 65.647    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 131.300% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 247483              | 59.040    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 118.080% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 79546               | 56.223    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 112.440% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.923          | 59   | 4125                | 11.485    | ug/l # | 74       |
| 16) Acetone                   | 3.948          | 43   | 2411                | 5.260     | ug/l   | 95       |
| 20) Methylene Chloride        | 4.716          | 84   | 5841                | Below Cal | #      | 88       |
| 25) 2-Butanone                | 6.972          | 43   | 1552                | 2.734     | ug/l   | 96       |
| 31) Cyclohexane               | 7.783          | 56   | 2535                | 1.133     | ug/l # | 3        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 8850                | 4.606     | ug/l # | 49       |
| 37) Ethyl Acetate             | 6.972          | 43   | 1552                | 1.282     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 11385               | 5.738     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 41735               | 44.255    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 41735               | 91.698    | ug/l # | 13       |
| -----                         |                |      |                     |           |        |          |

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

Quant Time: Mar 07 04:23:48 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

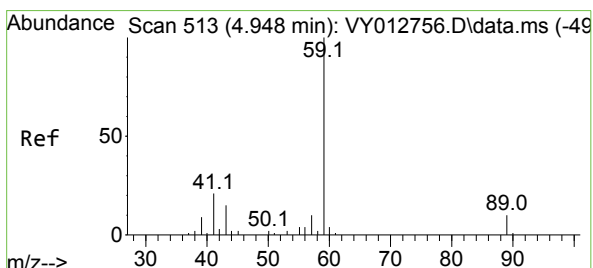
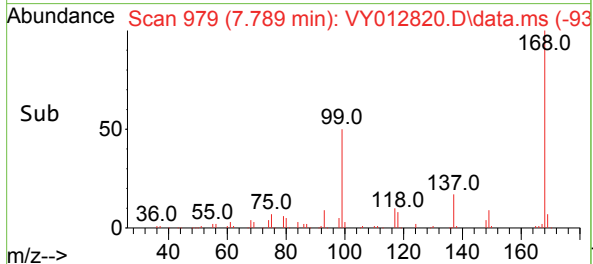
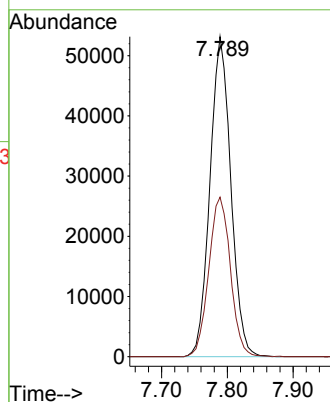
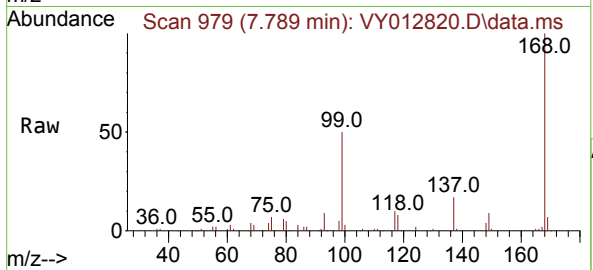




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

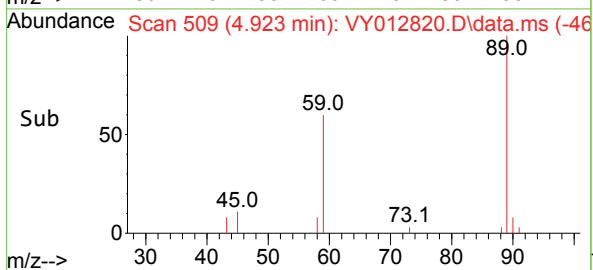
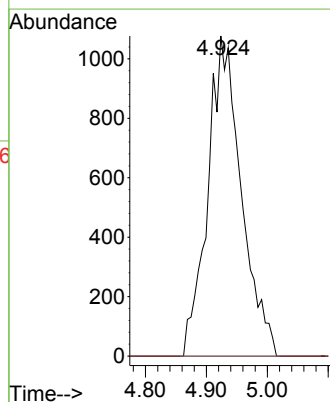
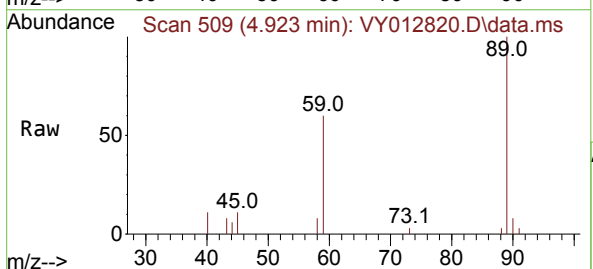
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-6-030223

Tgt Ion:168 Resp: 117615  
Ion Ratio Lower Upper  
168 100  
99 49.9 41.7 62.5

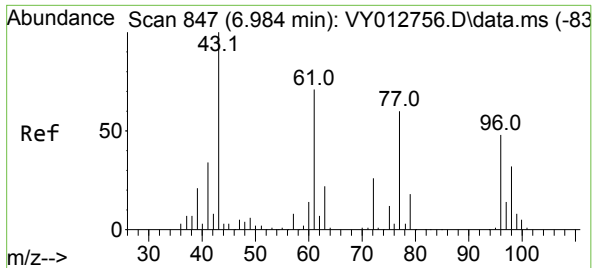


#11  
Tert butyl alcohol  
Concen: 11.485 ug/l  
RT: 4.923 min Scan# 509  
Delta R.T. -0.025 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

Tgt Ion: 59 Resp: 4125  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#







#25

2-Butanone

Concen: 2.734 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012820.D

Acq: 06 Mar 2023 13:57

Instrument :

MSVOA\_Y

ClientSampleId :

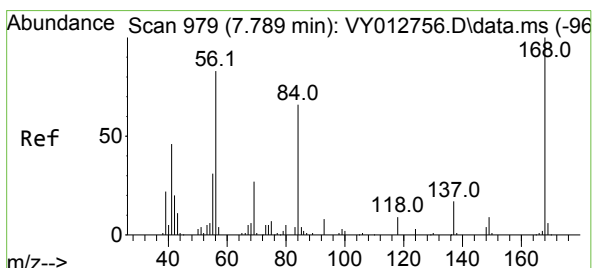
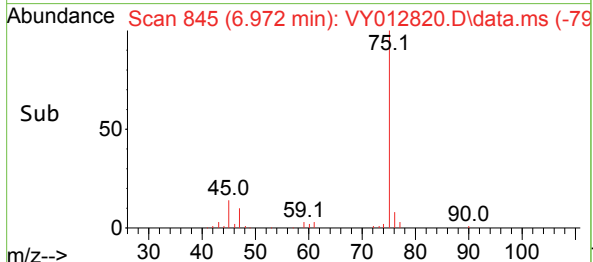
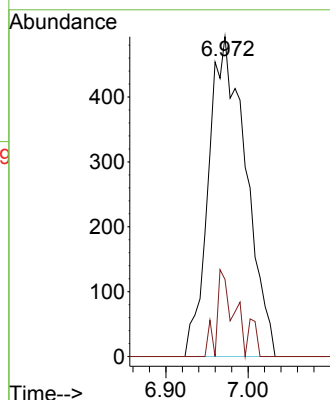
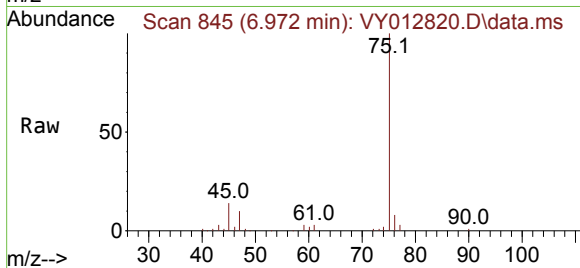
TR-6-030223

Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

72 24.1 21.0 31.4



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012820.D

Acq: 06 Mar 2023 13:57

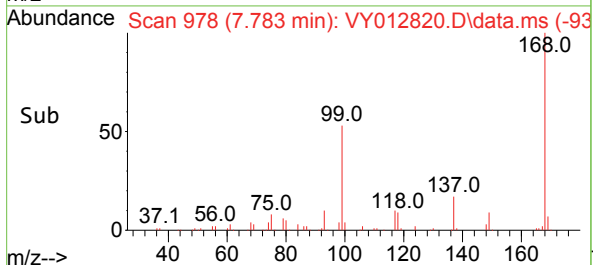
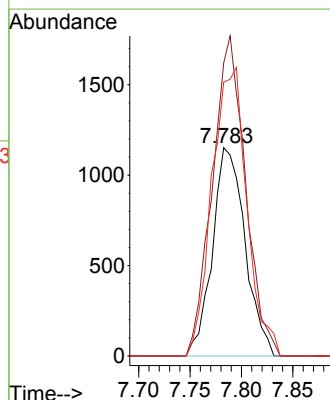
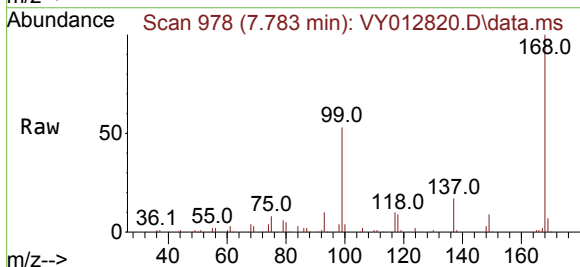
Tgt Ion: 56 Resp: 2535

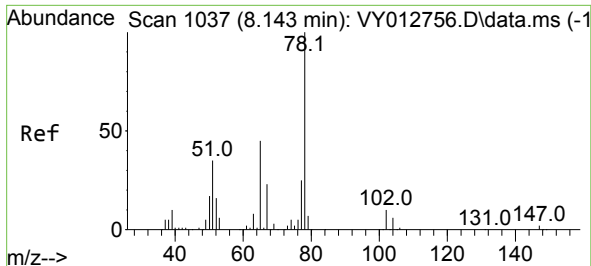
Ion Ratio Lower Upper

56 100

69 140.7 25.7 38.5#

84 131.5 64.3 96.5#

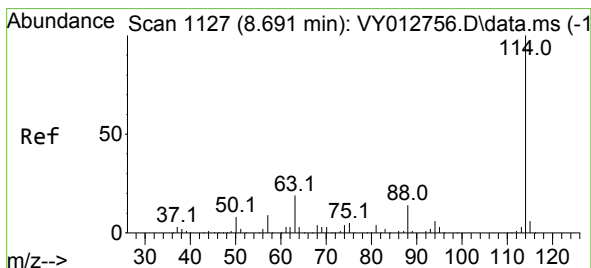
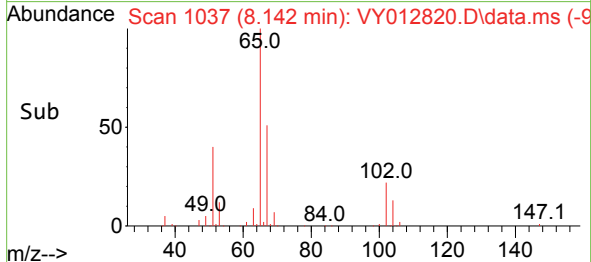
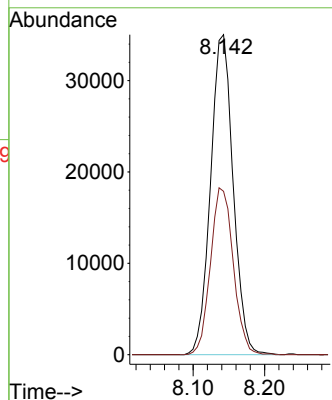
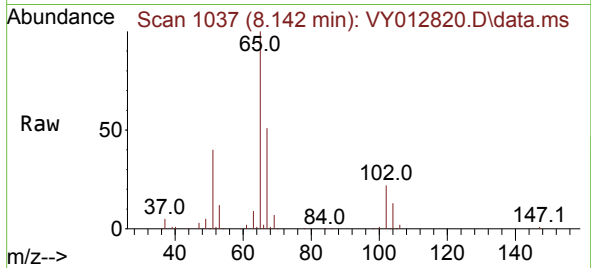




#33  
 1,2-Dichloroethane-d4  
 Concen: 65.821 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. -0.001 min  
 Lab File: VY012820.D  
 Acq: 06 Mar 2023 13:57

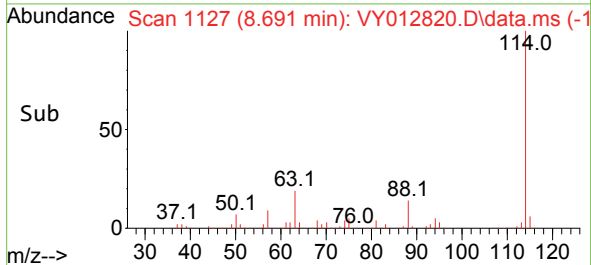
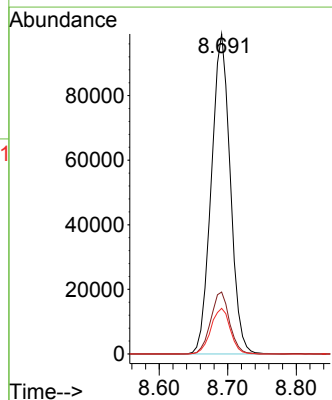
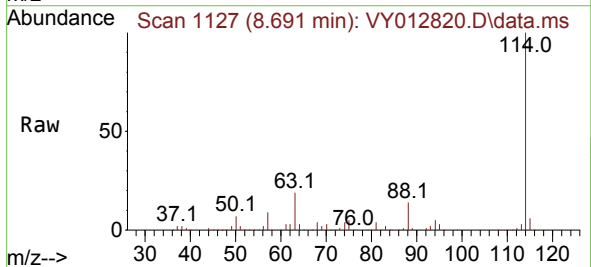
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-6-030223

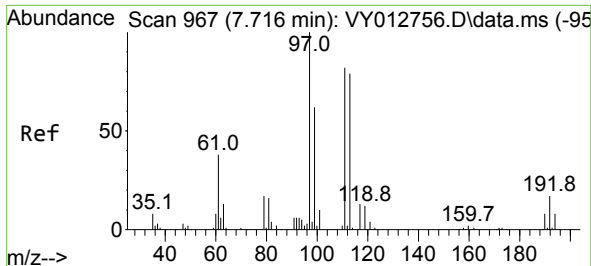
Tgt Ion: 65 Resp: 76863  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.000 min  
 Lab File: VY012820.D  
 Acq: 06 Mar 2023 13:57

Tgt Ion: 114 Resp: 189993  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 37.4  
 88 14.2 0.0 28.6

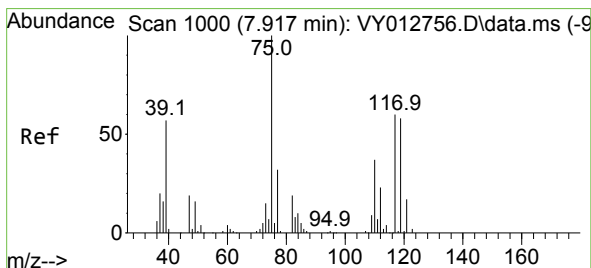
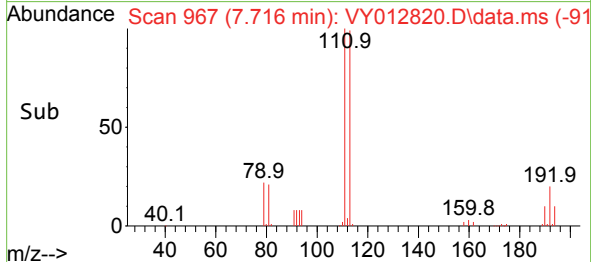
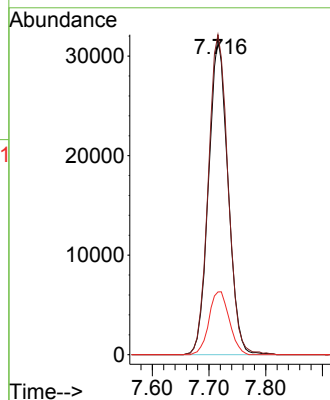
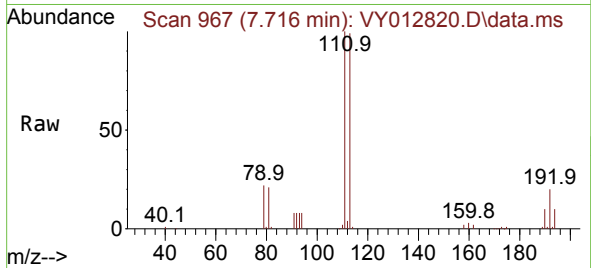




#35  
Dibromofluoromethane  
Concen: 65.647 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

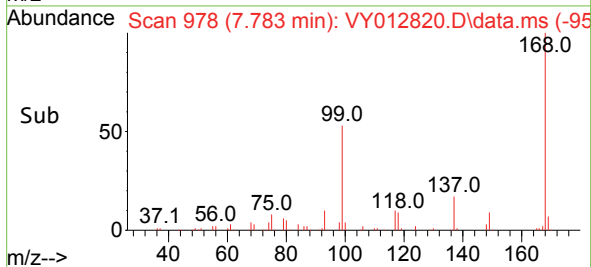
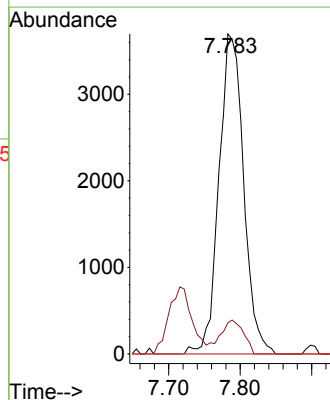
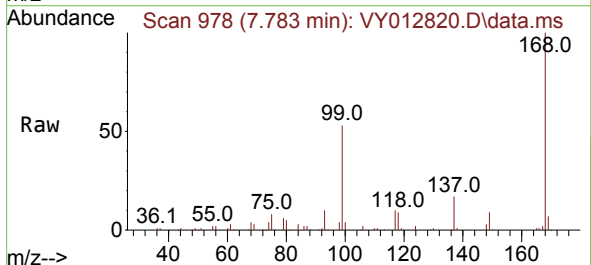
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-6-030223

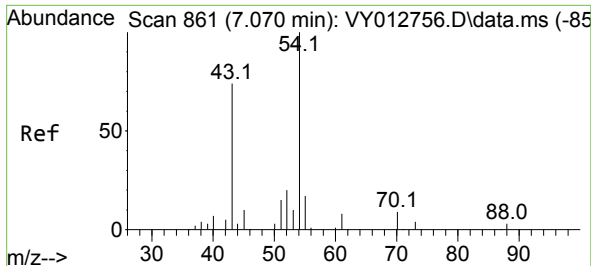
Tgt Ion:113 Resp: 75271  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.2  
192 20.9 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 4.606 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

Tgt Ion: 75 Resp: 8850  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.8 53.3#  
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.282 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY012820.D

Acq: 06 Mar 2023 13:57

Instrument :

MSVOA\_Y

ClientSampleId :

TR-6-030223

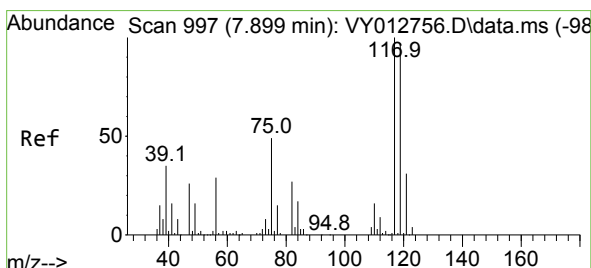
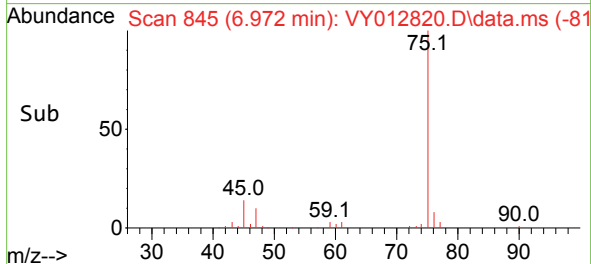
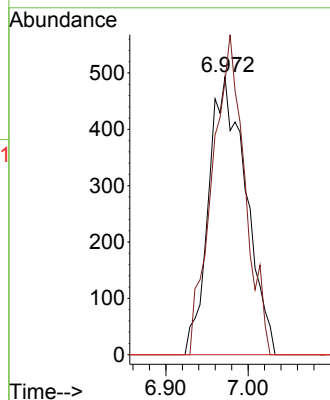
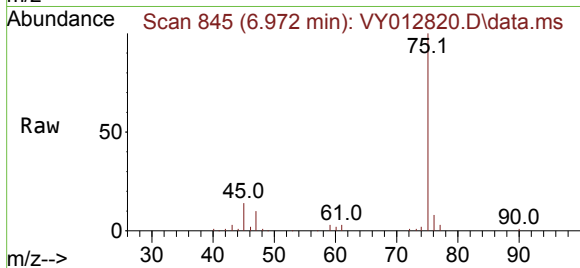
Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

61 100.5 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.738 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012820.D

Acq: 06 Mar 2023 13:57

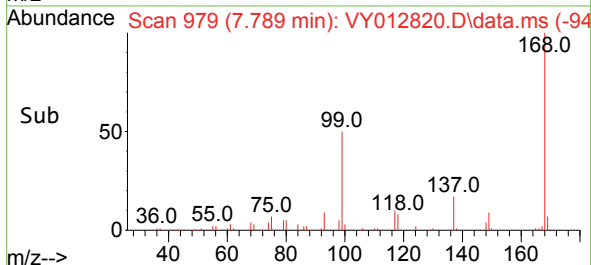
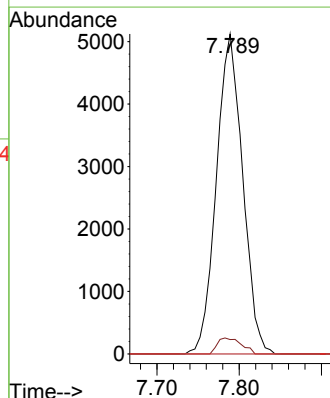
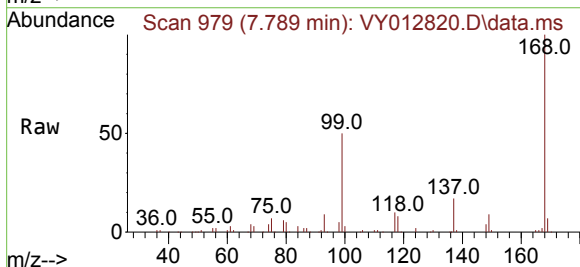
Tgt Ion: 117 Resp: 11385

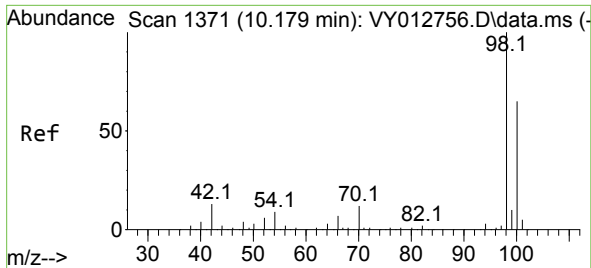
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 24.7 37.1#

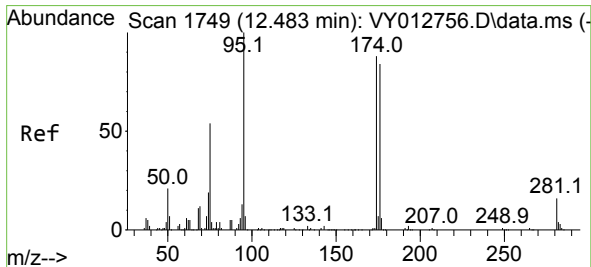
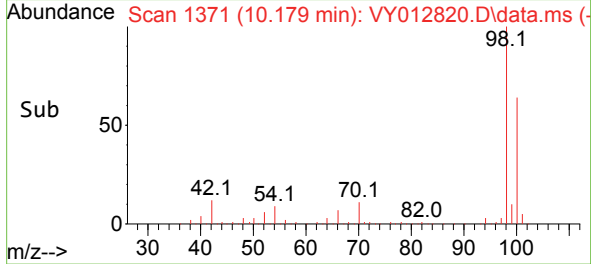
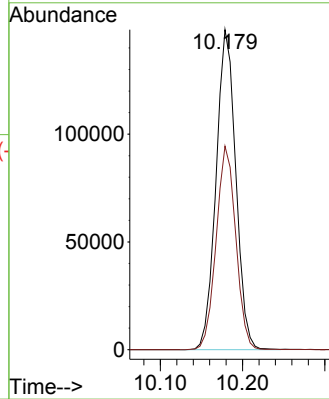
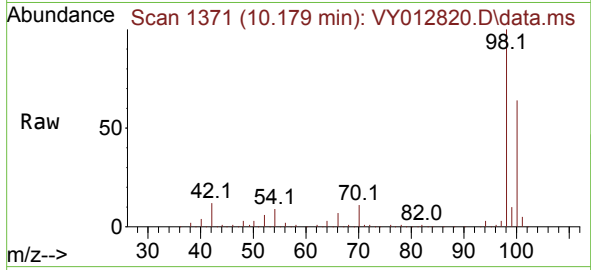




#50  
Toluene-d8  
Concen: 59.040 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

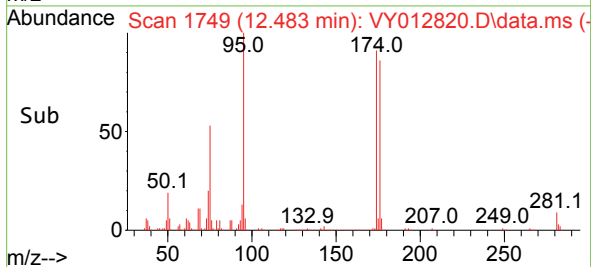
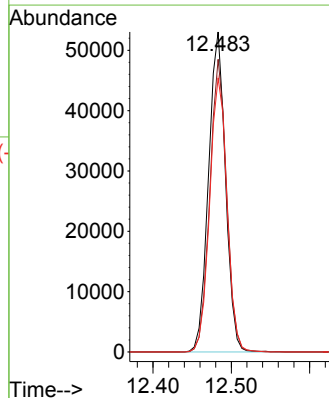
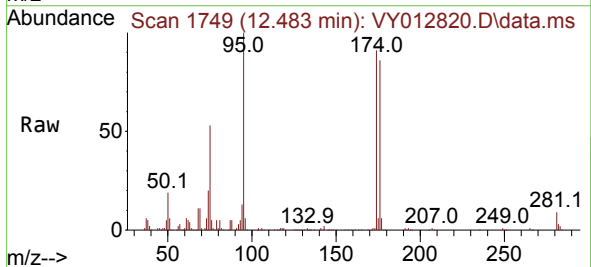
Instrument :  
MSVOA\_Y  
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TR-6-030223

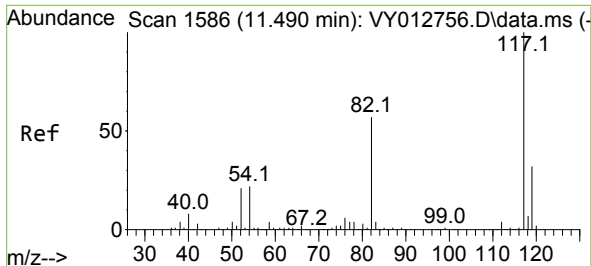
Tgt Ion: 98 Resp: 247483  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 56.223 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

Tgt Ion: 95 Resp: 79546  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 176.6  
176 87.9 0.0 170.2

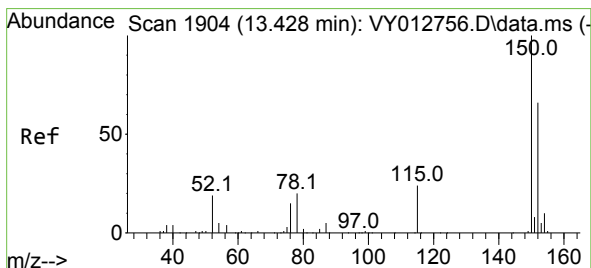
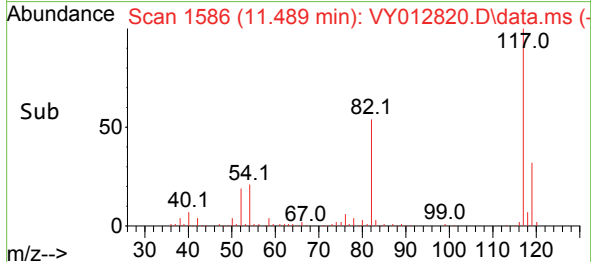
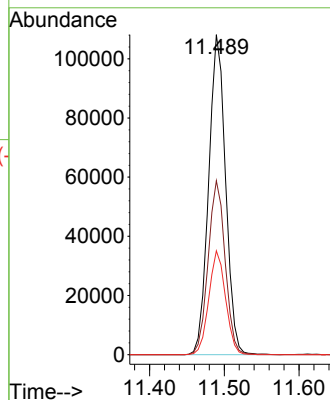
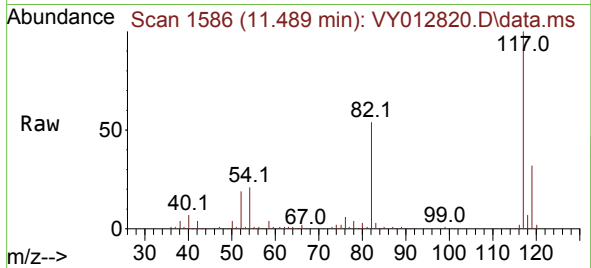




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

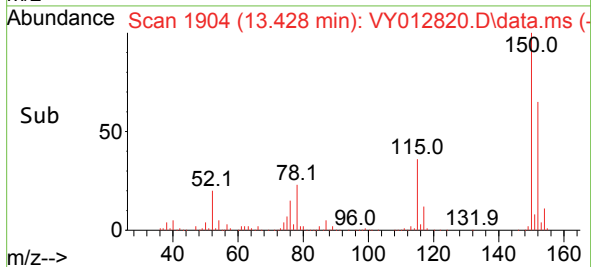
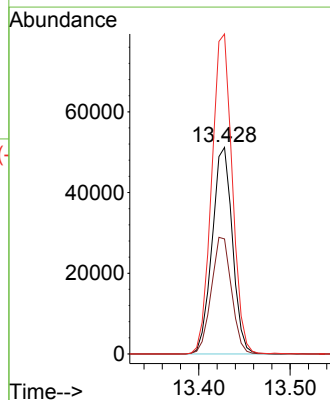
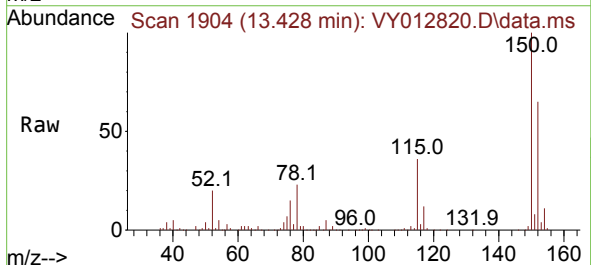
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-6-030223

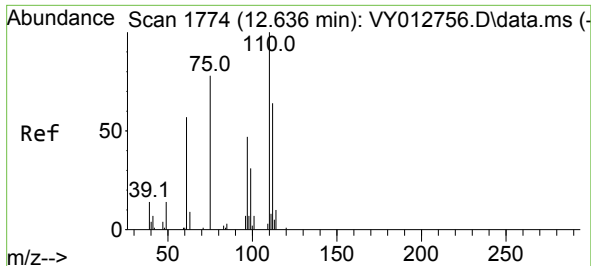
Tgt Ion:117 Resp: 169961  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.4 68.0  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012820.D  
Acq: 06 Mar 2023 13:57

Tgt Ion:152 Resp: 78972  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 156.5 0.0 347.8

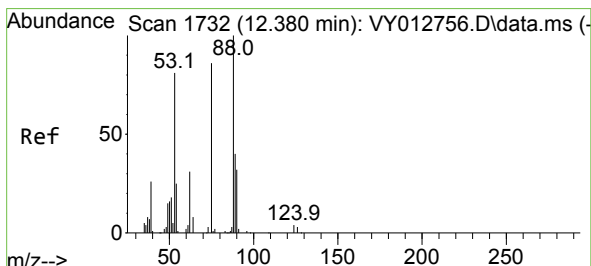
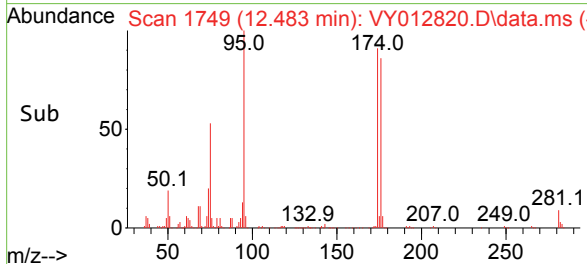
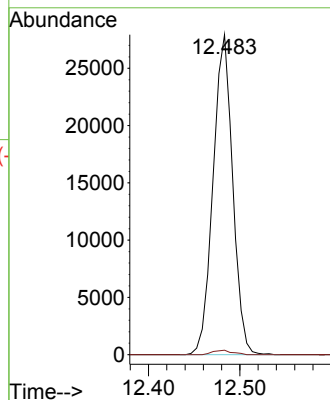
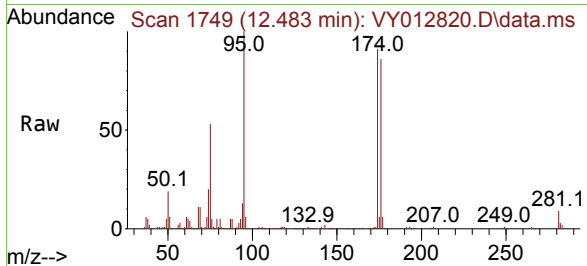




#76  
 1,2,3-Trichloropropane  
 Concen: 44.255 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY012820.D  
 Acq: 06 Mar 2023 13:57

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-6-030223

Tgt Ion: 75 Resp: 41735  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.698 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY012820.D  
 Acq: 06 Mar 2023 13:57

Tgt Ion: 75 Resp: 41735  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.4 110.0#  
 89 0.1 36.6 55.0#

