

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020623\  
 Data File : VY012497.D  
 Acq On : 06 Feb 2023 15:25  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 07 03:45:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 07 03:42:26 2023  
 Response via : Initial Calibration

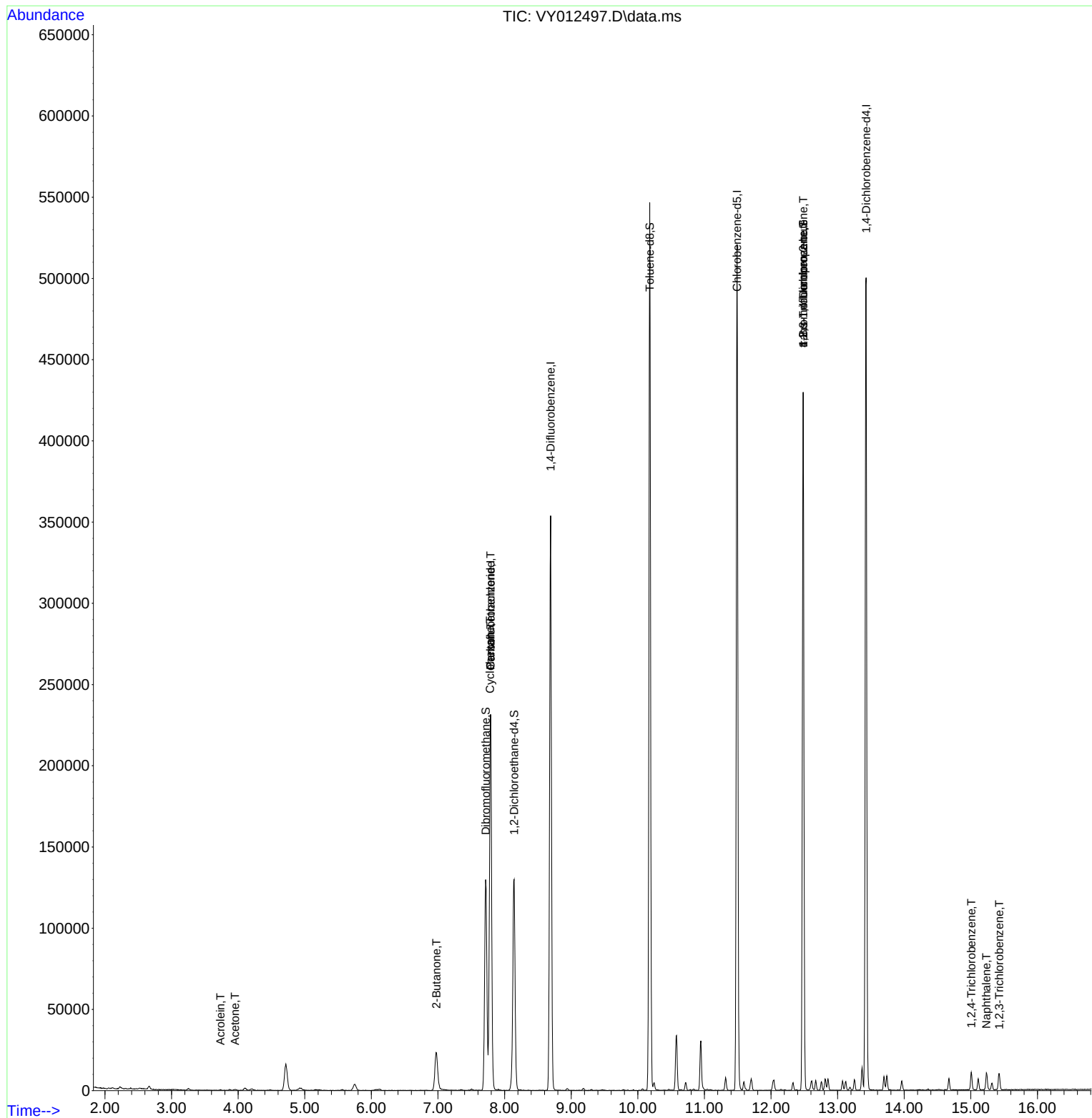
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 183179   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 309552   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 292350   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 137746   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 104540   | 45.990    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 91.980%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 91159    | 41.750    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 83.500%  |
| 50) Toluene-d8                | 10.179 | 98    | 362416   | 39.932    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 79.860%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 122943   | 40.306    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 80.620%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.894  | 85    | 20       | Below Cal | #      | 41       |
| 5) Bromomethane               | 2.662  | 94    | 1170     | Below Cal |        | 82       |
| 11) Tert butyl alcohol        | 4.942  | 59    | 1789     | Below Cal | #      | 74       |
| 13) Acrolein                  | 3.735  | 56    | 308      | 1.073     | ug/l   | 89       |
| 16) Acetone                   | 3.954  | 43    | 1032     | 1.840     | ug/l   | 93       |
| 25) 2-Butanone                | 6.978  | 43    | 1413     | 2.195     | ug/l   | 94       |
| 31) Cyclohexane               | 7.783  | 56    | 3616     | 1.317     | ug/l   | # 21     |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 17901    | 4.507     | ug/l   | # 18     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 65493    | 42.589    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 65493    | 94.278    | ug/l   | # 13     |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180   | 3814     | 1.246     | ug/l   | 97       |
| 95) Naphthalene               | 15.233 | 128   | 10214    | 1.660     | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180   | 3751     | 1.403     | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

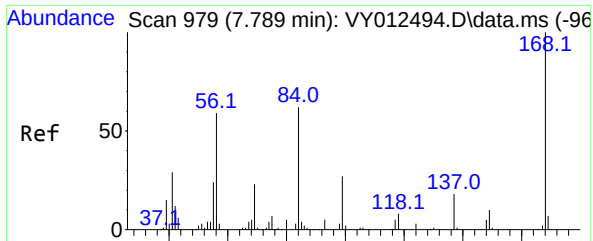
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020623\  
Data File : VY012497.D  
Acq On : 06 Feb 2023 15:25  
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Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

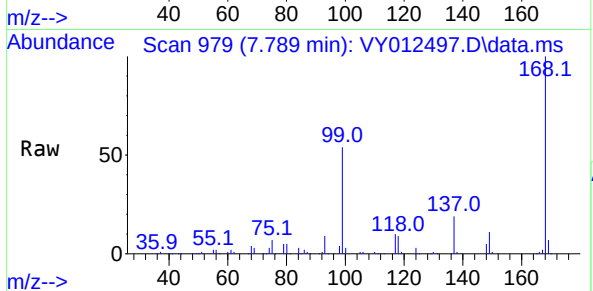
Quant Time: Feb 07 03:45:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 07 03:42:26 2023  
Response via : Initial Calibration



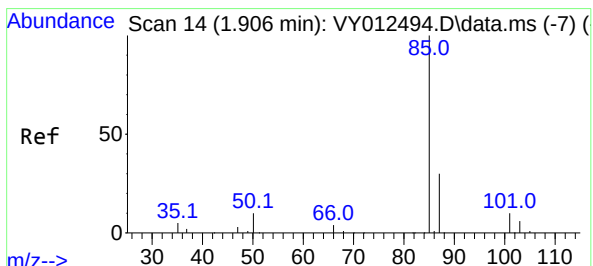
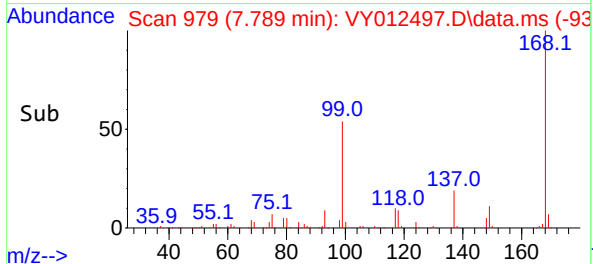
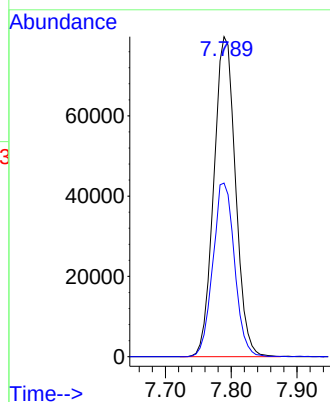


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

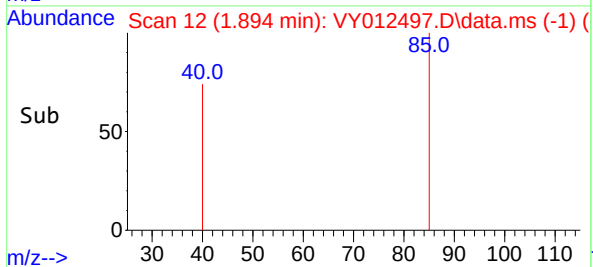
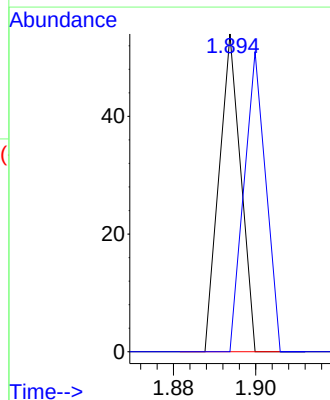
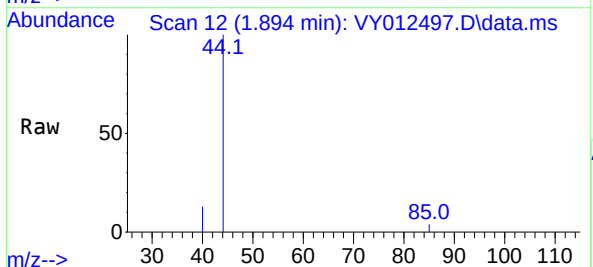


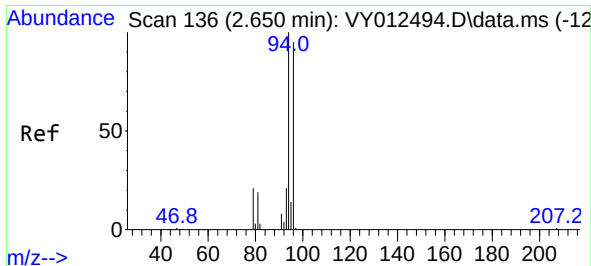
Tgt Ion:168 Resp: 183179  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.894 min Scan# 12  
Delta R.T. -0.012 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

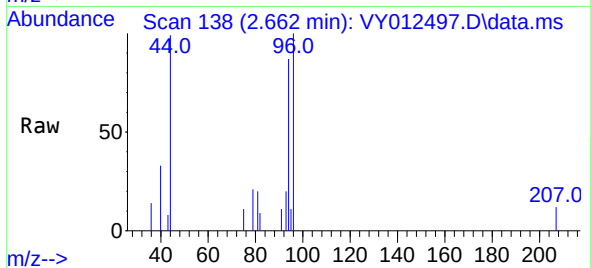
Tgt Ion: 85 Resp: 20  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.8 50.4#



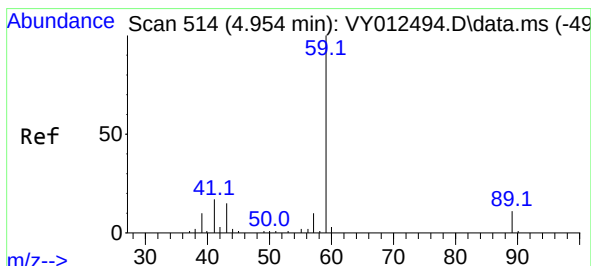
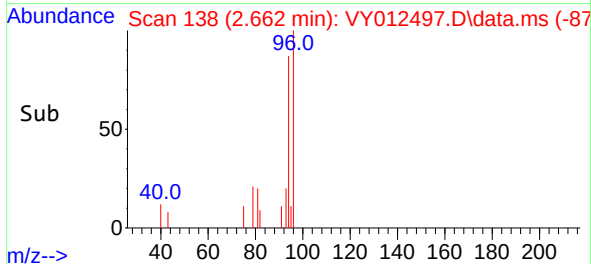
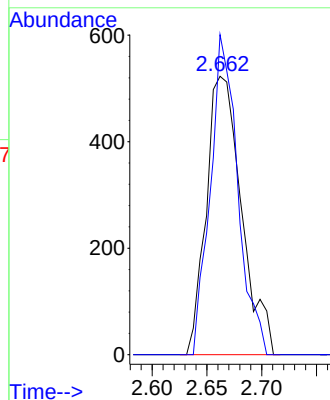


#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

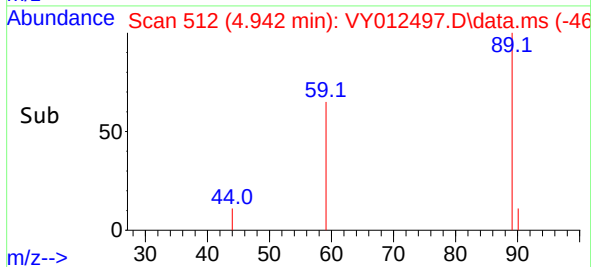
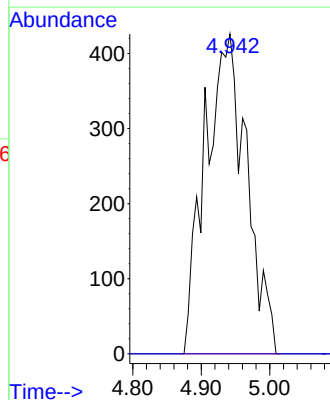
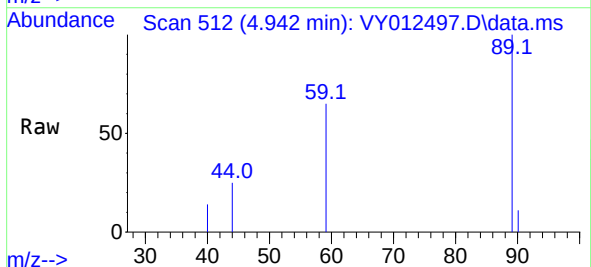


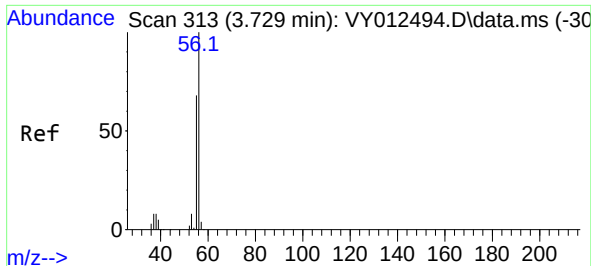
Tgt Ion: 94 Resp: 1170  
Ion Ratio Lower Upper  
94 100  
96 114.9 77.4 116.2



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

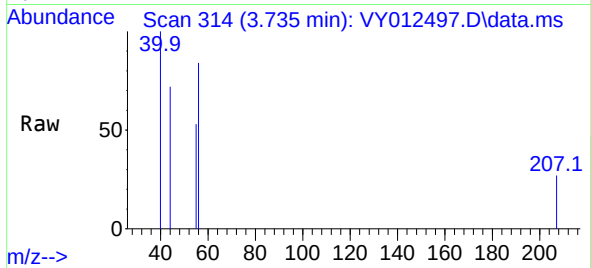
Tgt Ion: 59 Resp: 1789  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



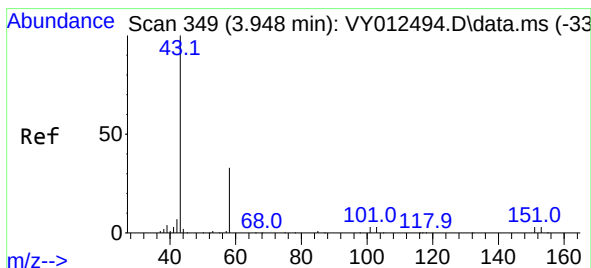
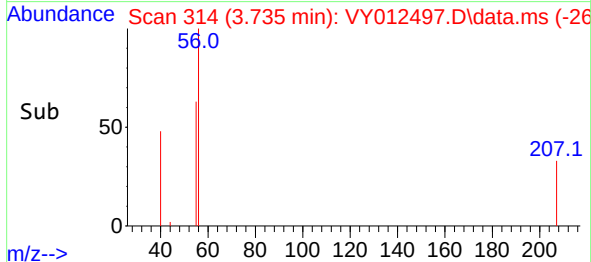
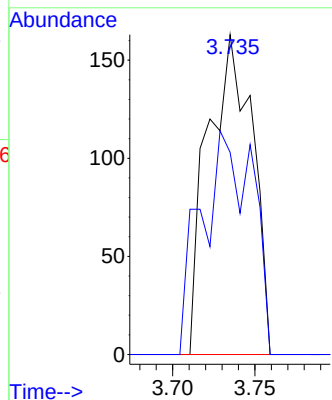


#13  
Acrolein  
Concen: 1.073 ug/l  
RT: 3.735 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

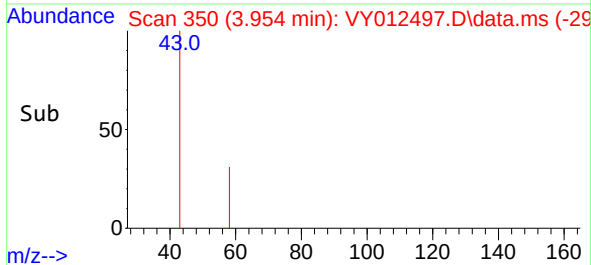
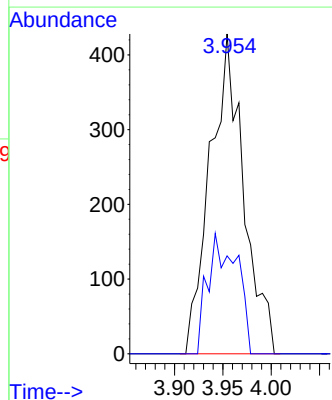
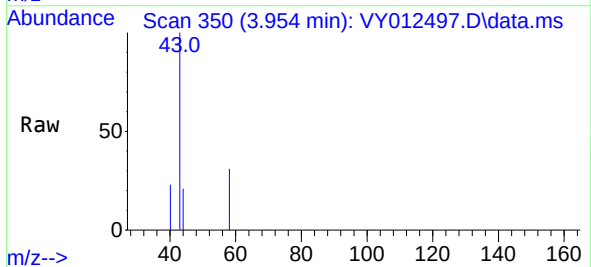


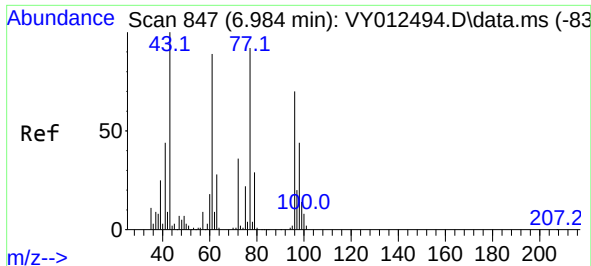
Tgt Ion: 56 Resp: 308  
Ion Ratio Lower Upper  
56 100  
55 80.2 56.6 85.0



#16  
Acetone  
Concen: 1.840 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.012 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

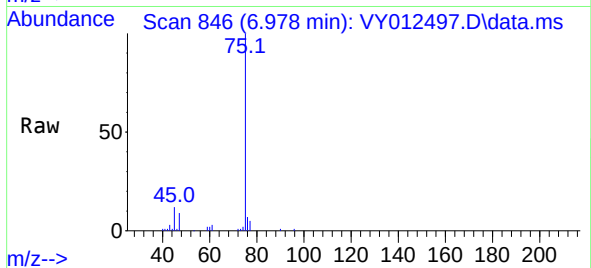
Tgt Ion: 43 Resp: 1032  
Ion Ratio Lower Upper  
43 100  
58 30.6 27.9 41.9



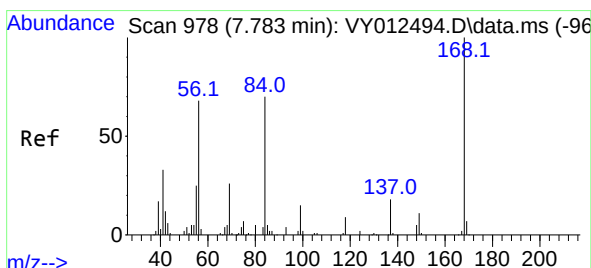
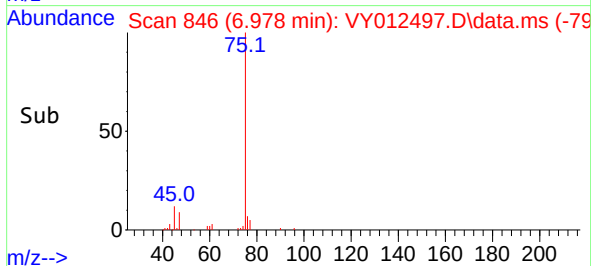
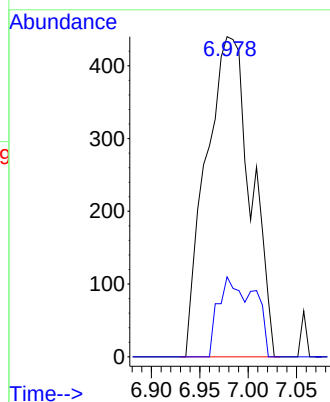


#25  
2-Butanone  
Concen: 2.195 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

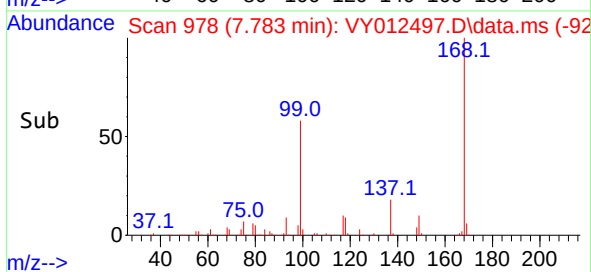
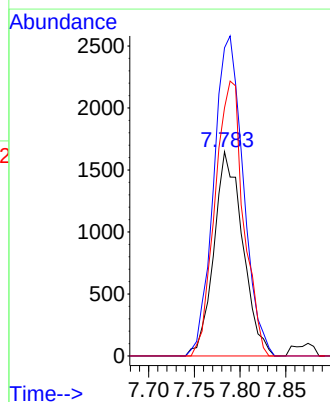
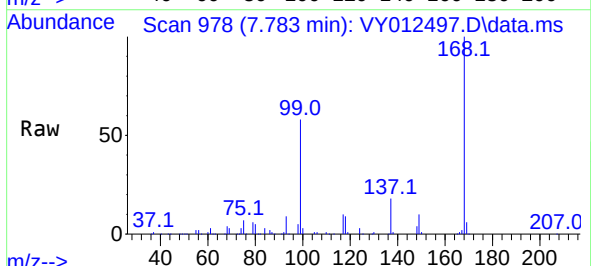


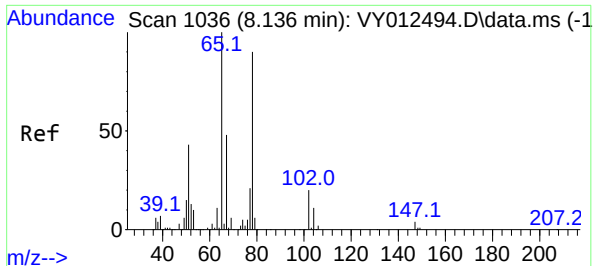
Tgt Ion: 43 Resp: 1413  
Ion Ratio Lower Upper  
43 100  
72 25.0 22.6 34.0



#31  
Cyclohexane  
Concen: 1.317 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Tgt Ion: 56 Resp: 3616  
Ion Ratio Lower Upper  
56 100  
69 150.9 29.2 43.8#  
84 121.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 45.990 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012497.D

Acq: 06 Feb 2023 15:25

Instrument :

MSVOA\_Y

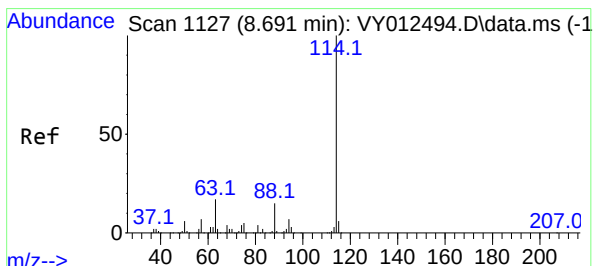
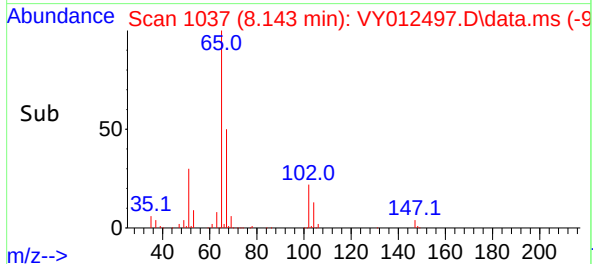
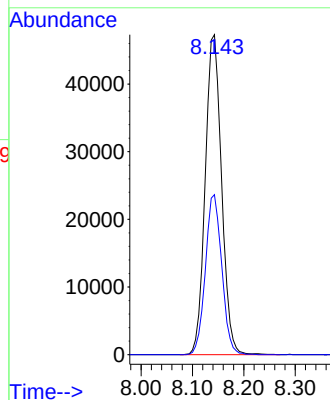
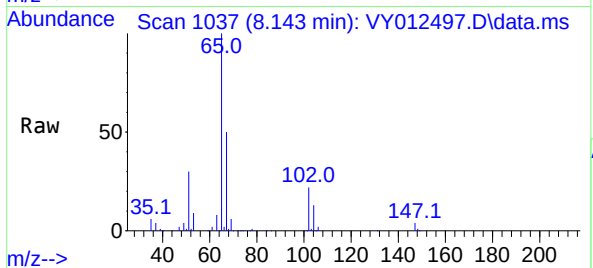
ClientSampleId :

Tgt Ion: 65 Resp: 104540

Ion Ratio Lower Upper

65 100

67 50.0 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: VY012497.D

Acq: 06 Feb 2023 15:25

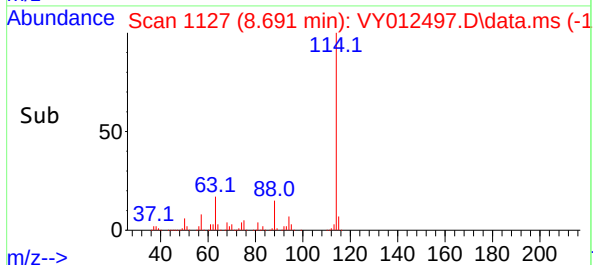
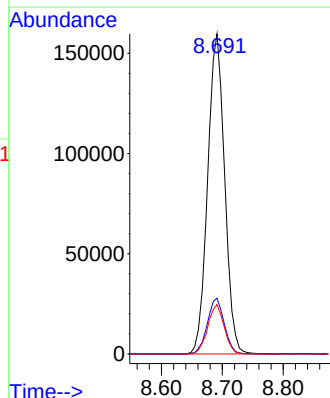
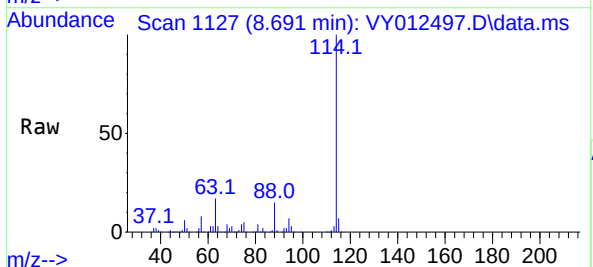
Tgt Ion:114 Resp: 309552

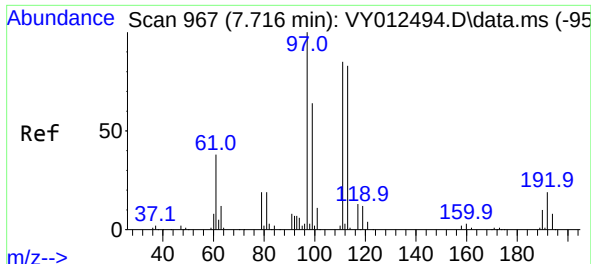
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

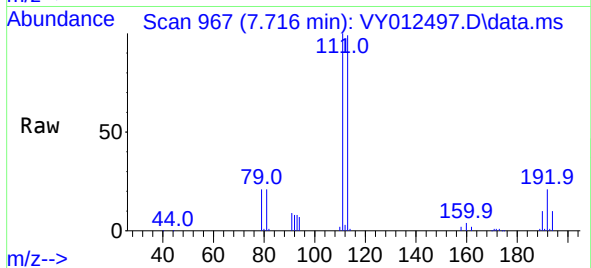
88 15.5 0.0 32.2



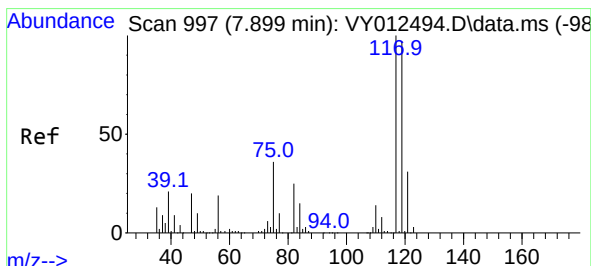
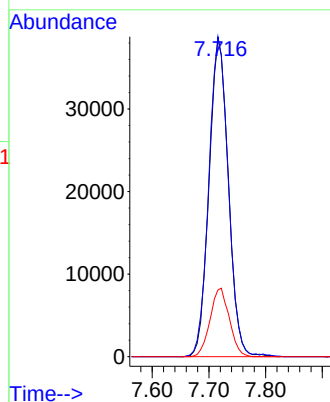
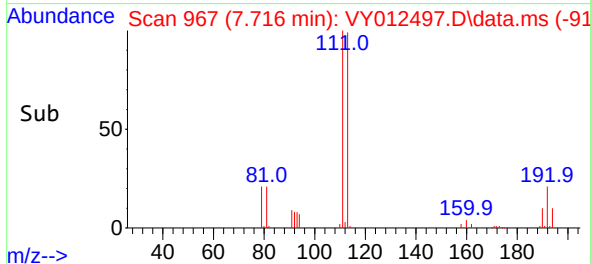


#35  
Dibromofluoromethane  
Concen: 41.750 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

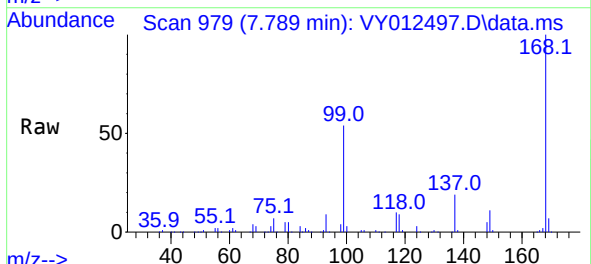
Instrument :  
MSVOA\_Y  
ClientSampleId :



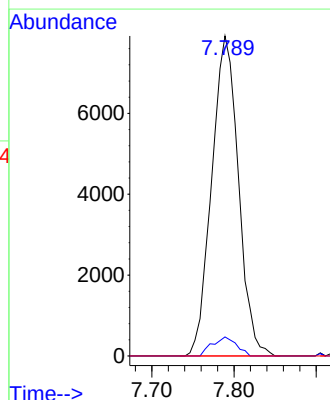
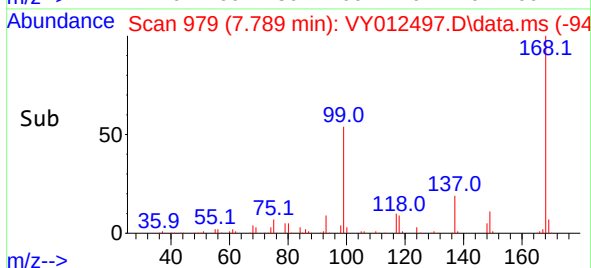
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Ion Ratio Lower Upper  
113 100  
111 101.5 83.0 124.4  
192 21.4 16.0 24.0



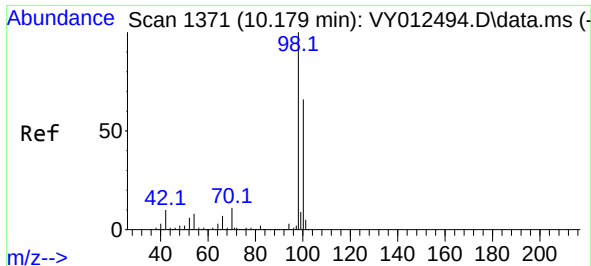
#38  
Carbon Tetrachloride  
Concen: 4.507 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25



Tgt Ion:117 Resp: 17901  
Ion Ratio Lower Upper  
117 100  
119 6.0 73.8 110.8#  
121 0.0 25.2 37.8#



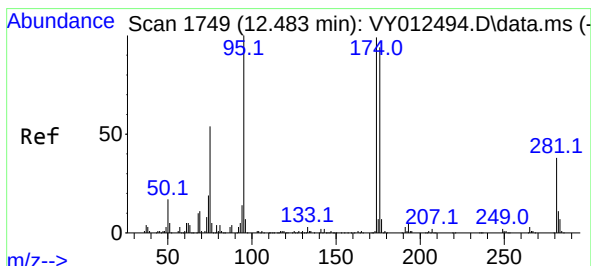
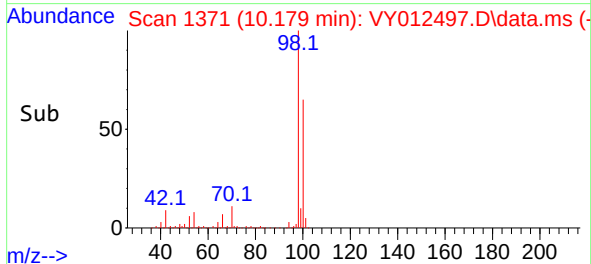
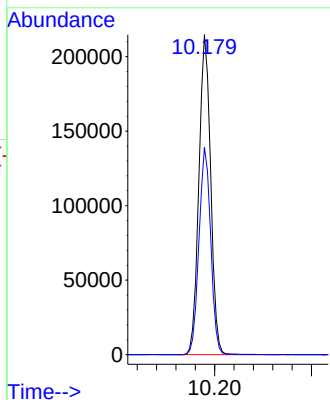
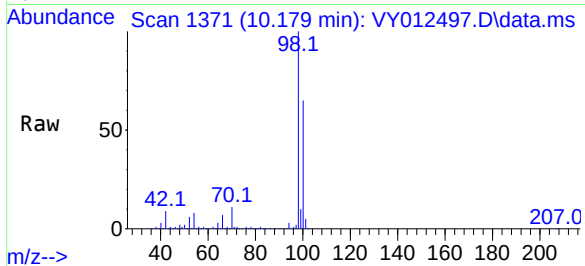




#50  
Toluene-d8  
Concen: 39.932 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

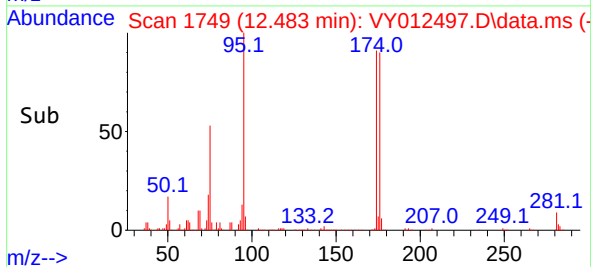
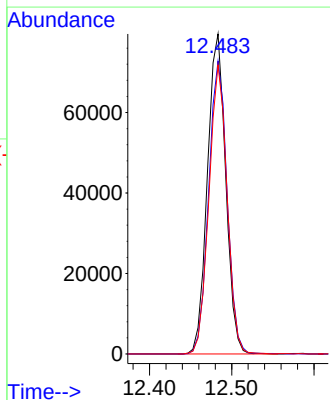
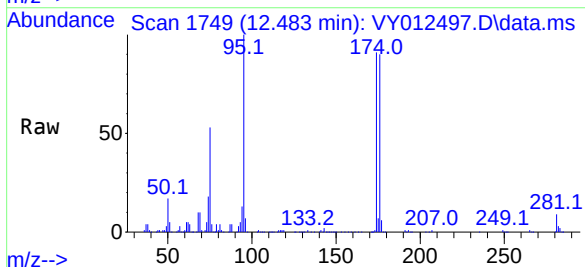
Instrument :  
MSVOA\_Y  
ClientSampleId :

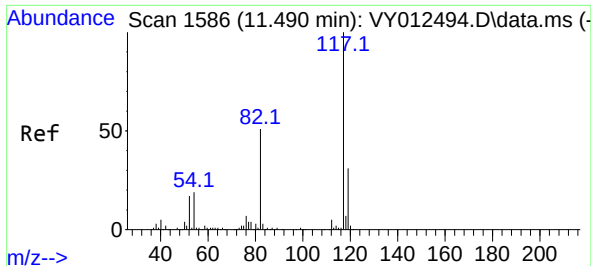
Tgt Ion: 98 Resp: 362416  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 40.306 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

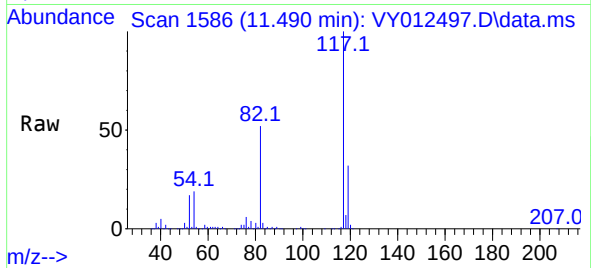
Tgt Ion: 95 Resp: 122943  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 172.0  
176 89.5 0.0 167.6



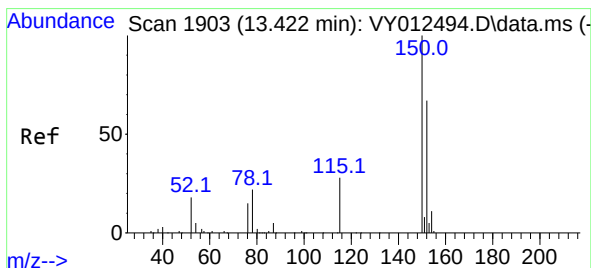
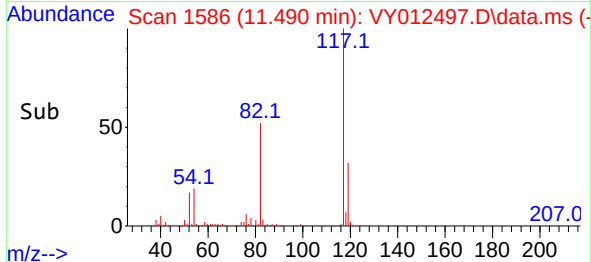
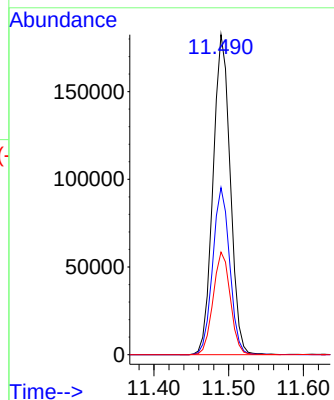


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

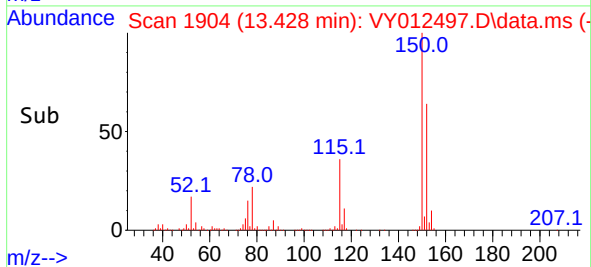
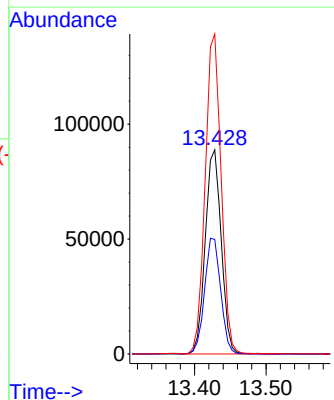
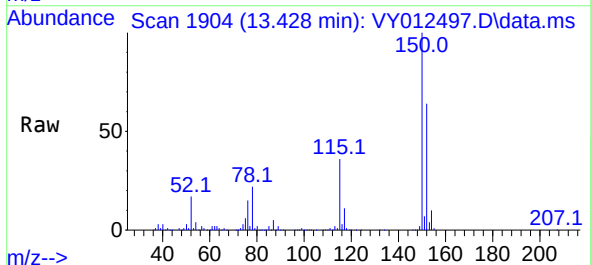


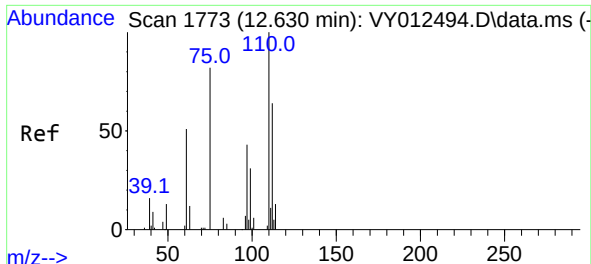
Tgt Ion:117 Resp: 292350  
Ion Ratio Lower Upper  
117 100  
82 52.2 44.8 67.2  
119 32.0 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Tgt Ion:152 Resp: 137746  
Ion Ratio Lower Upper  
152 100  
115 57.2 29.1 87.3  
150 156.1 0.0 342.6

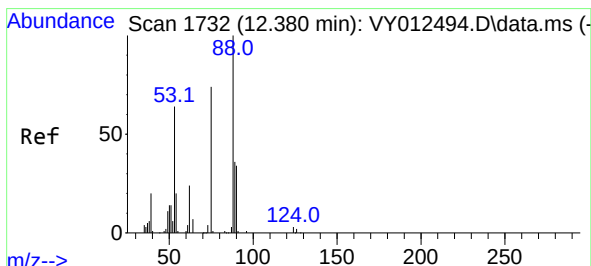
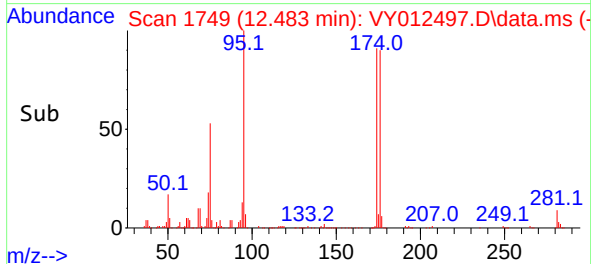
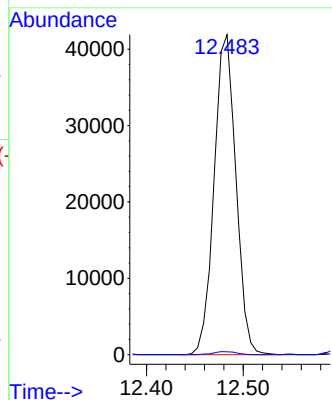
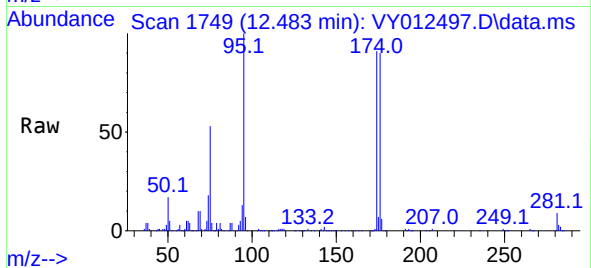




#76  
1,2,3-Trichloropropane  
Concen: 42.589 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

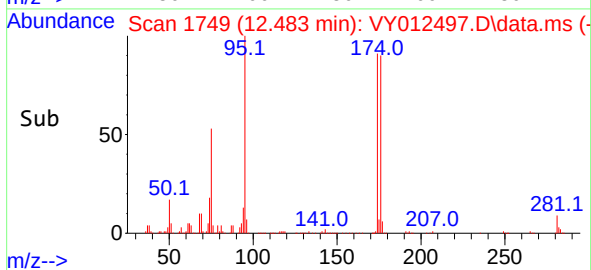
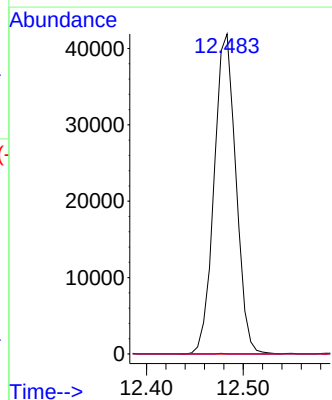
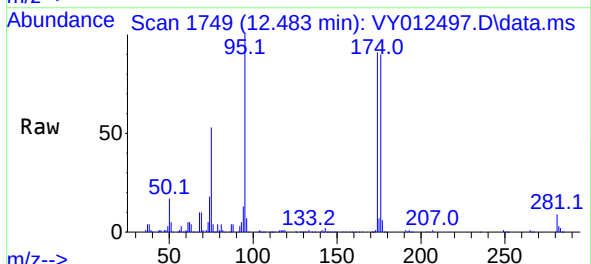
Instrument :  
MSVOA\_Y  
ClientSampleId :

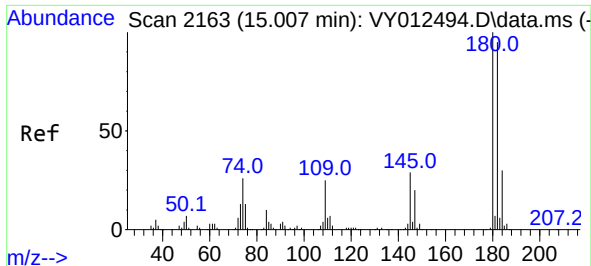
Tgt Ion: 75 Resp: 65493  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.278 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

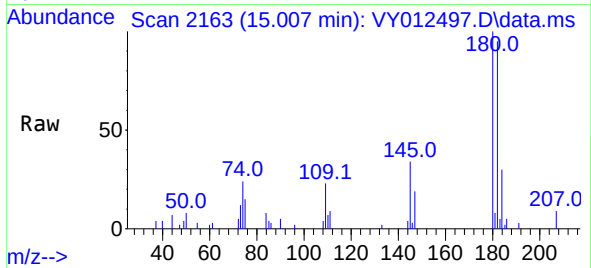
Tgt Ion: 75 Resp: 65493  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#



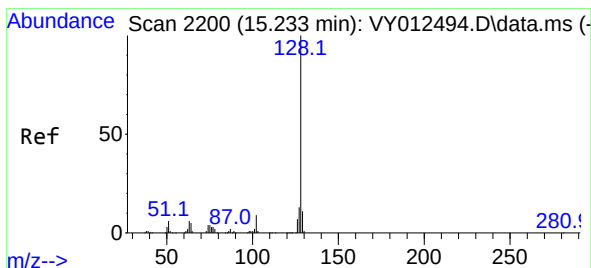
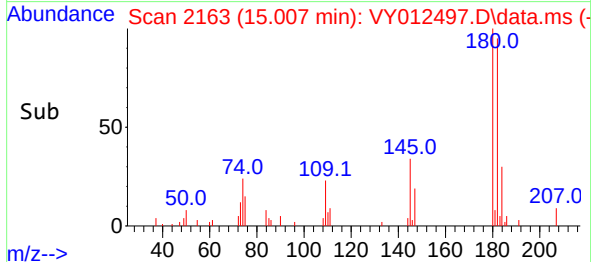
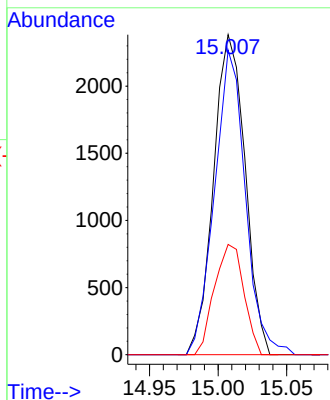


#93  
1,2,4-Trichlorobenzene  
Concen: 1.246 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :

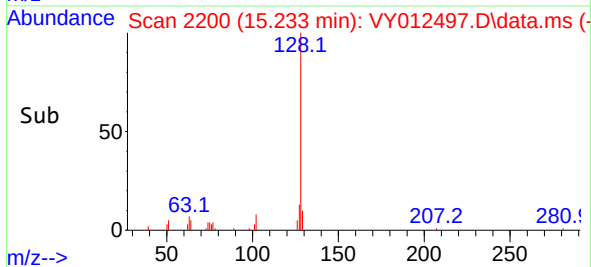
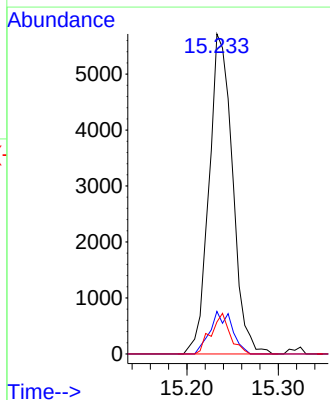
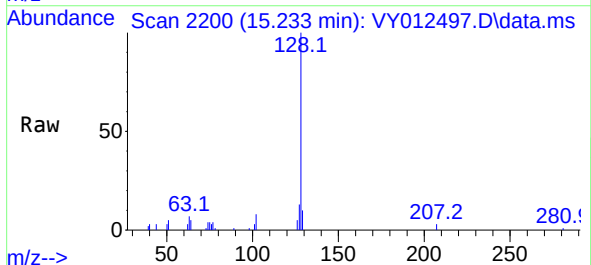


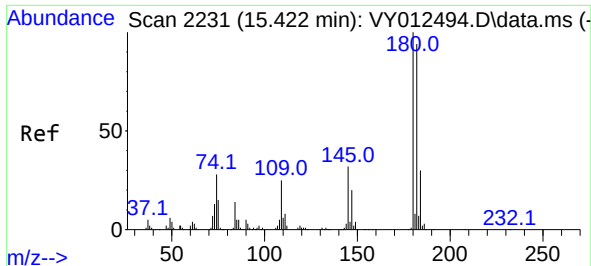
Tgt Ion:180 Resp: 3814  
Ion Ratio Lower Upper  
180 100  
182 93.2 48.1 144.3  
145 32.2 15.4 46.4



#95  
Naphthalene  
Concen: 1.660 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY012497.D  
Acq: 06 Feb 2023 15:25

Tgt Ion:128 Resp: 10214  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 10.3 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 1.403 ug/l

RT: 15.428 min Scan# 21

Delta R.T. 0.006 min

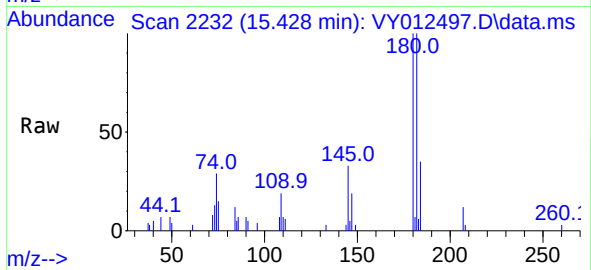
Lab File: VY012497.D

Acq: 06 Feb 2023 15:25

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:180 Resp: 3751

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 31.2 16.1 48.2

