

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081321\  
 Data File : VY005648.D  
 Acq On : 13 Aug 2021 20:44  
 Operator : SY/MD  
 Sample : M3407-07  
 Misc : 9.55G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 26N

Quant Time: Aug 14 03:39:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

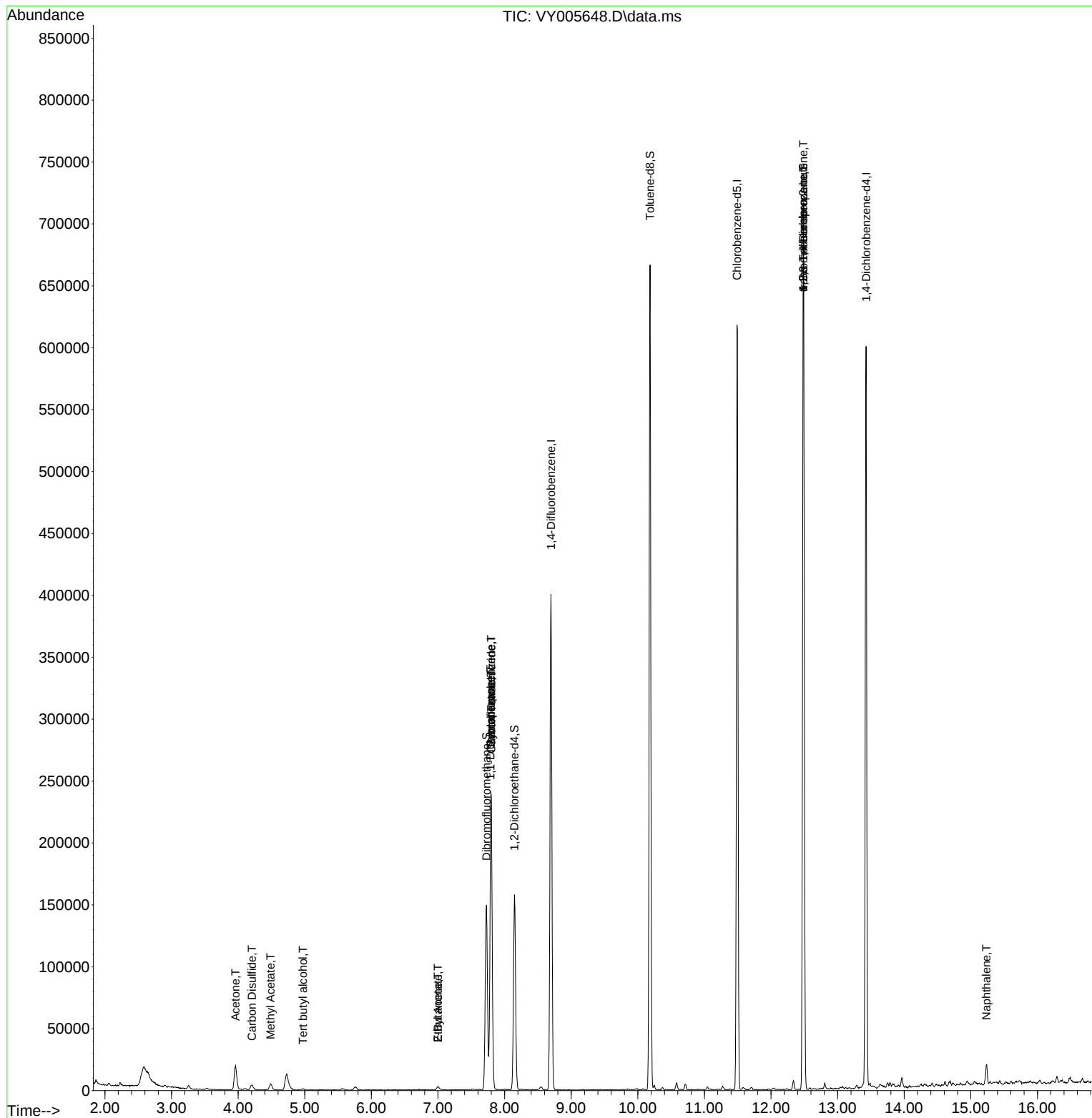
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 198570              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 334646              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 330132              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 153535              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148          | 65   | 128983              | 64.170    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 128.340% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 100523              | 53.652    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 107.300% |           |        |          |
| 50) Toluene-d8                | 10.184         | 98   | 426771              | 54.312    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 108.620% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 144731              | 55.621    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 111.240% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.972          | 59   | 1734                | 8.727     | ug/l # | 73       |
| 16) Acetone                   | 3.960          | 43   | 33922               | 66.937    | ug/l   | 97       |
| 17) Carbon Disulfide          | 4.204          | 76   | 7138                | 1.353     | ug/l   | 96       |
| 18) Methyl Acetate            | 4.484          | 43   | 9590                | 7.236     | ug/l   | 96       |
| 20) Methylene Chloride        | 4.728          | 84   | 9619                | Below Cal |        | 85       |
| 25) 2-Butanone                | 6.996          | 43   | 4628                | 6.178     | ug/l # | 87       |
| 31) Cyclohexane               | 7.795          | 56   | 3947                | 1.145     | ug/l # | 20       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 14133               | 4.503     | ug/l # | 49       |
| 37) Ethyl Acetate             | 6.996          | 43   | 4628                | 2.434     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 17795               | 5.216     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 79942               | 50.244    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 79942               | 101.286   | ug/l # | 11       |
| 95) Naphthalene               | 15.232         | 128  | 12654               | 2.059     | ug/l   | 99       |
| -----                         |                |      |                     |           |        |          |

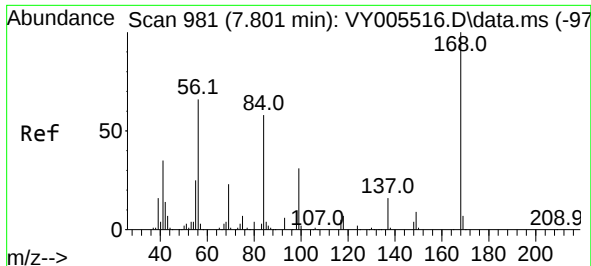
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081321\  
Data File : VY005648.D  
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Operator : SY/MD  
Sample : M3407-07  
Misc : 9.55G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

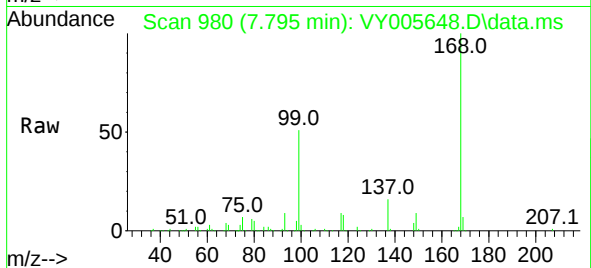
Quant Time: Aug 14 03:39:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration



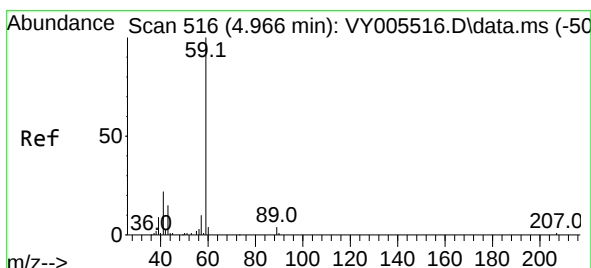
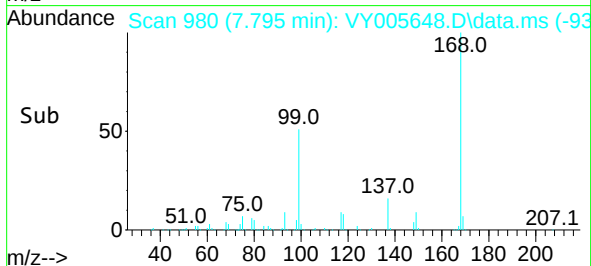
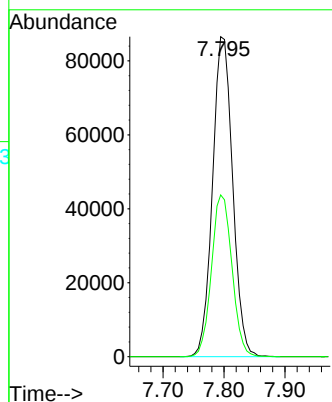


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

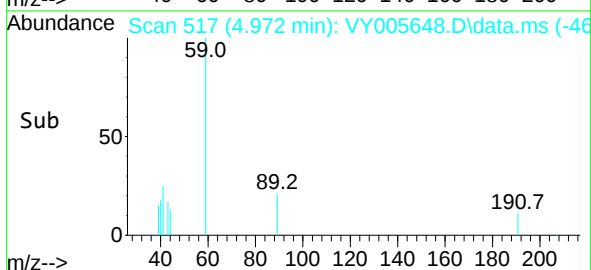
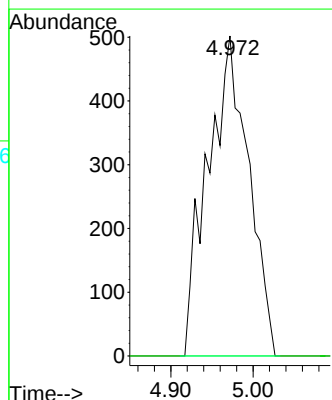
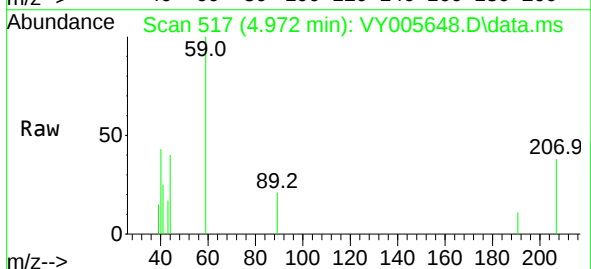


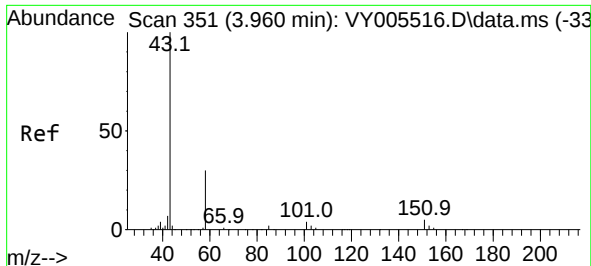
Tgt Ion:168 Resp: 198570  
Ion Ratio Lower Upper  
168 100  
99 50.6 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 8.727 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Tgt Ion: 59 Resp: 1734  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

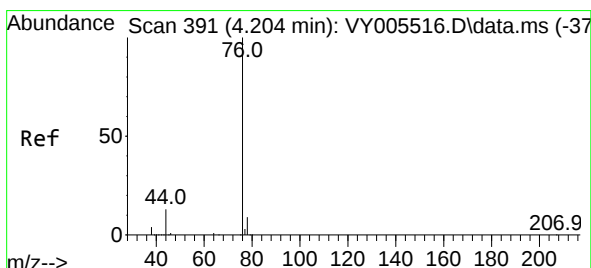
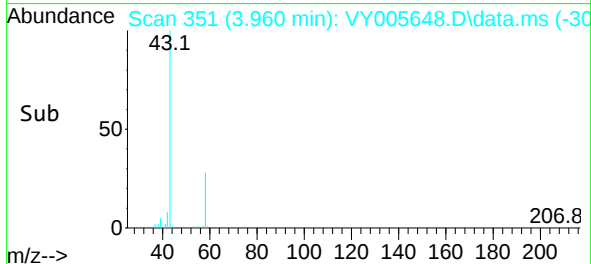
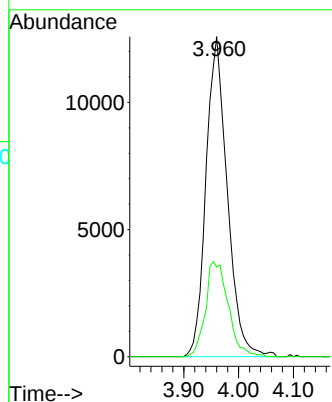
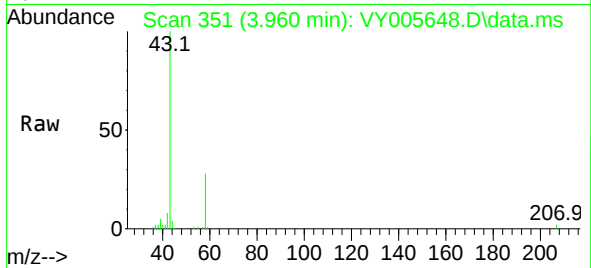




#16  
Acetone  
Concen: 66.937 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

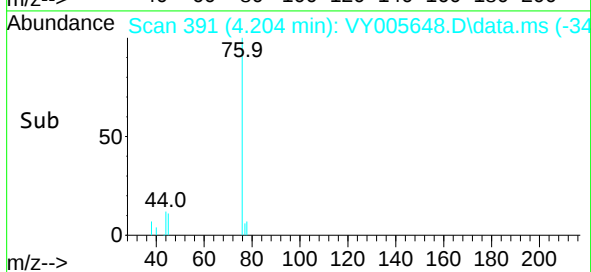
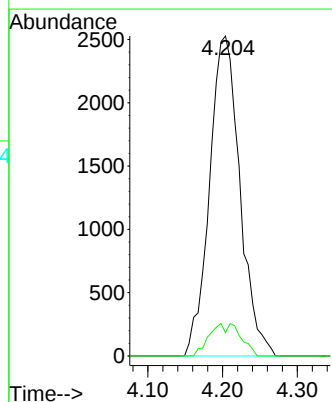
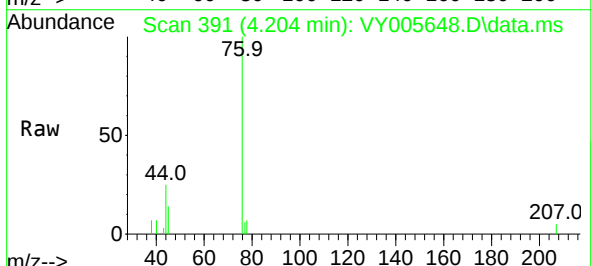
Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

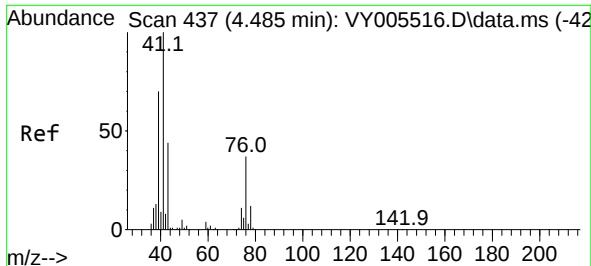
Tgt Ion: 43 Resp: 33922  
Ion Ratio Lower Upper  
43 100  
58 28.0 23.8 35.6



#17  
Carbon Disulfide  
Concen: 1.353 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Tgt Ion: 76 Resp: 7138  
Ion Ratio Lower Upper  
76 100  
78 7.3 7.0 10.6

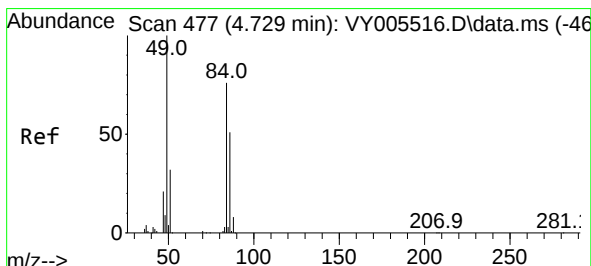
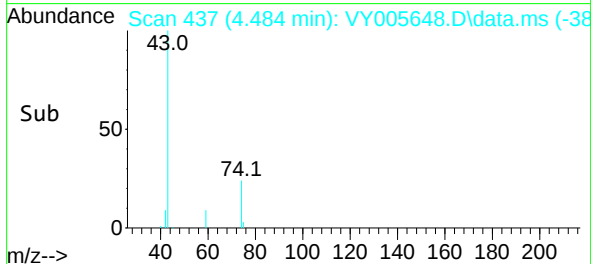
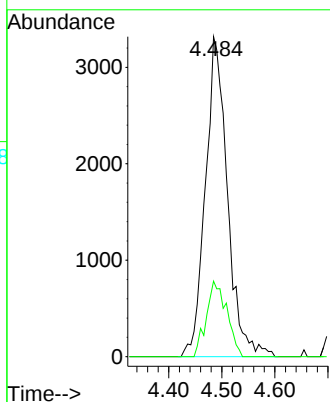
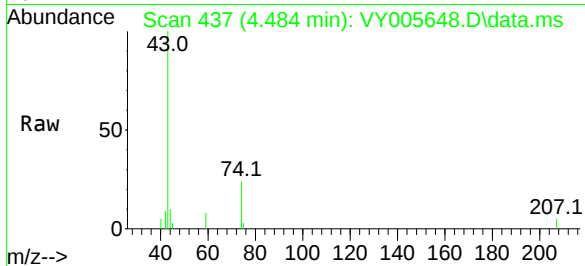




#18  
Methyl Acetate  
Concen: 7.236 ug/l  
RT: 4.484 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

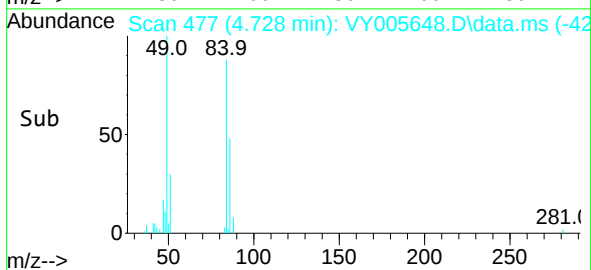
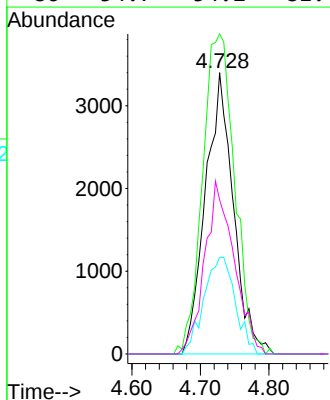
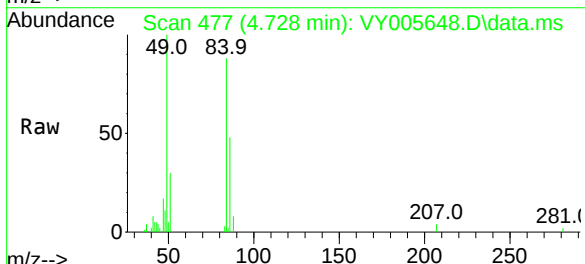
Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

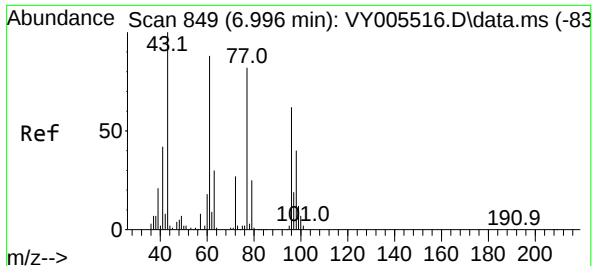
Tgt Ion: 43 Resp: 9590  
Ion Ratio Lower Upper  
43 100  
74 21.8 19.0 28.6



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Tgt Ion: 84 Resp: 9619  
Ion Ratio Lower Upper  
84 100  
49 113.8 105.8 158.6  
51 34.4 33.4 50.2  
86 54.7 54.2 81.4





#25

2-Butanone

Concen: 6.178 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

Instrument :

MSVOA\_Y

ClientSampled :

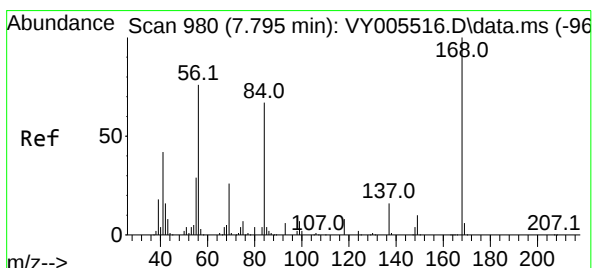
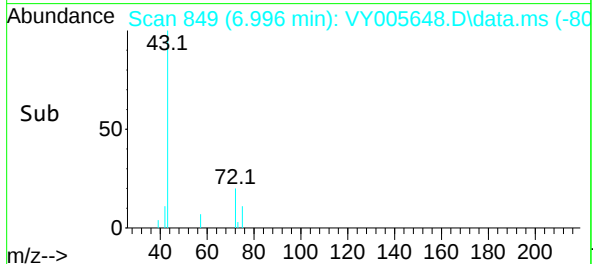
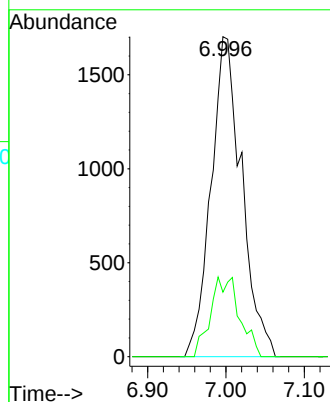
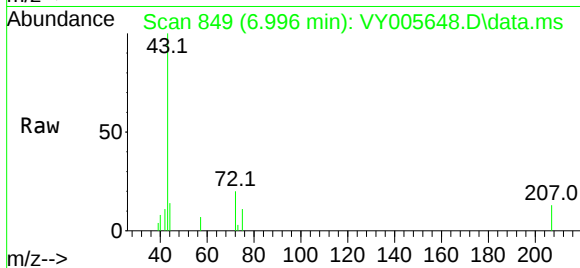
26N

Tgt Ion: 43 Resp: 4628

Ion Ratio Lower Upper

43 100

72 20.1 21.4 32.2#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

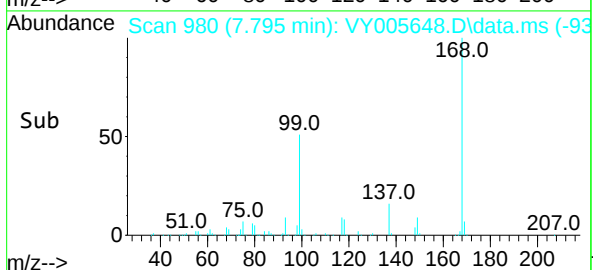
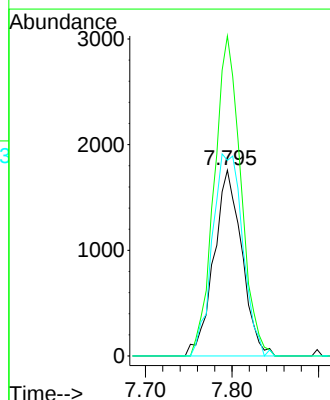
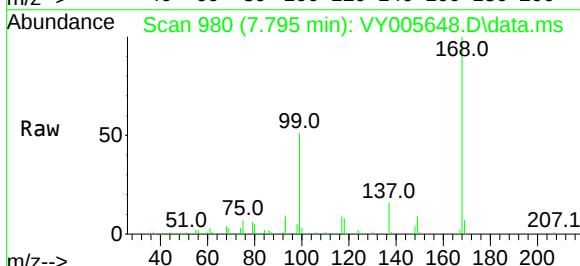
Tgt Ion: 56 Resp: 3947

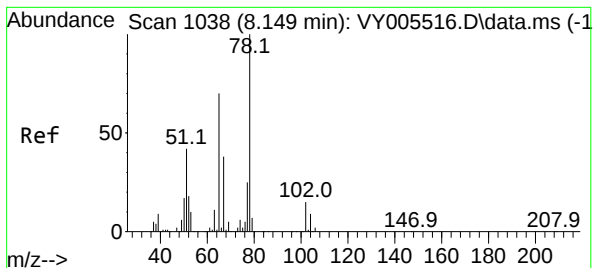
Ion Ratio Lower Upper

56 100

69 172.3 27.7 41.5#

84 105.2 70.9 106.3





#33

1,2-Dichloroethane-d4

Concen: 64.170 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

Tgt Ion: 65 Resp: 128983

Ion Ratio Lower Upper

65 100

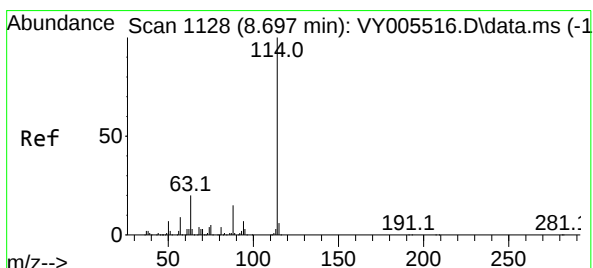
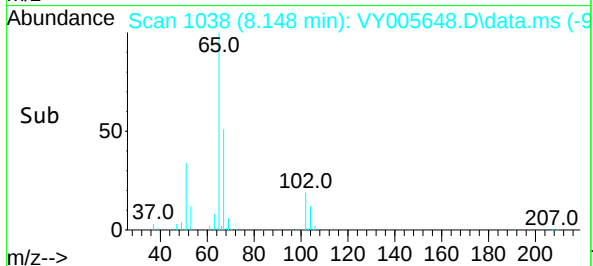
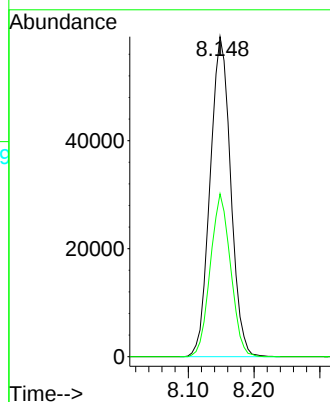
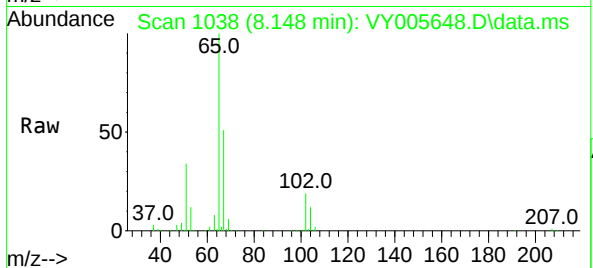
67 50.2 0.0 103.4

Instrument :

MSVOA\_Y

ClientSampled :

26N



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

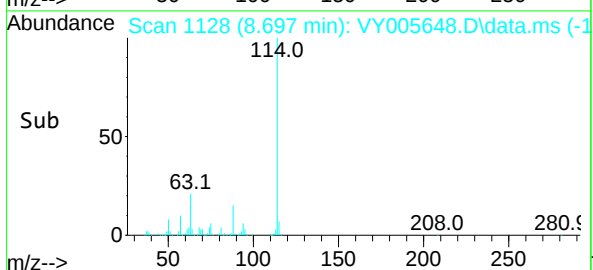
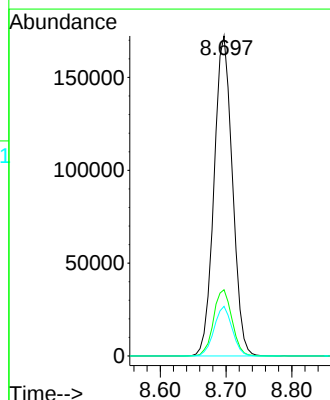
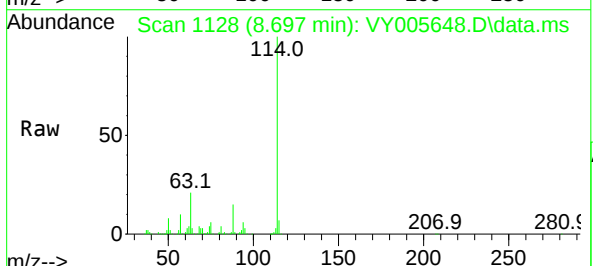
Tgt Ion: 114 Resp: 334646

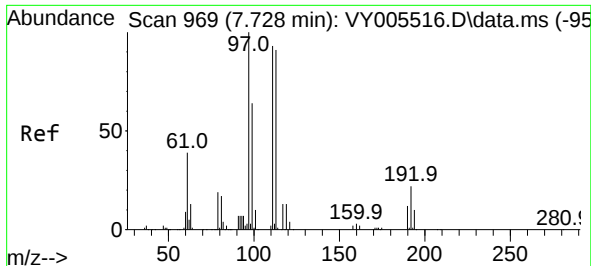
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.652 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

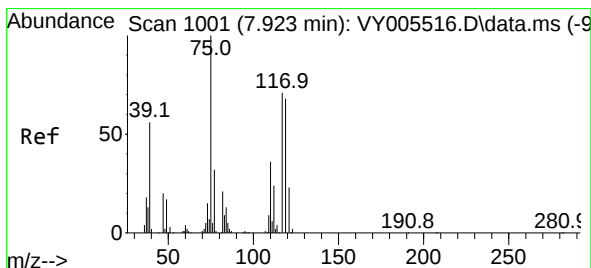
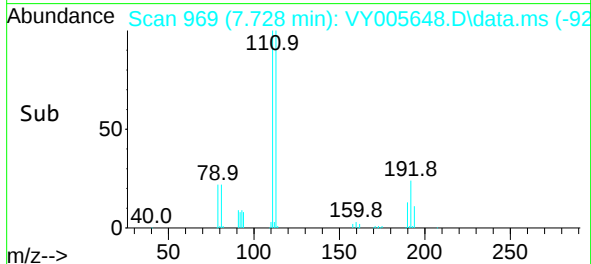
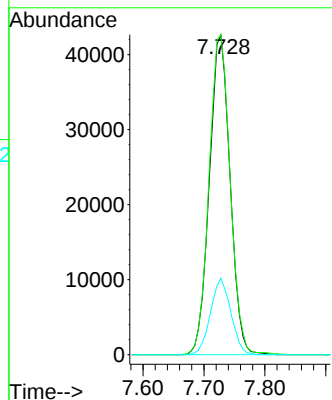
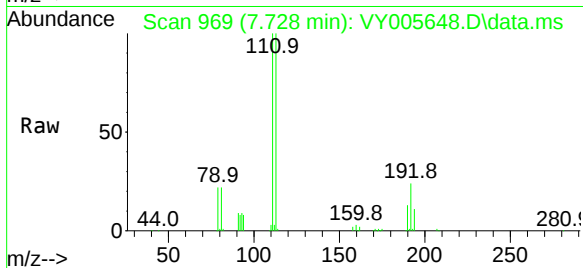
Tgt Ion:113 Resp: 100523

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 23.5 19.2 28.8



#36

1,1-Dichloropropene

Concen: 4.503 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.135 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

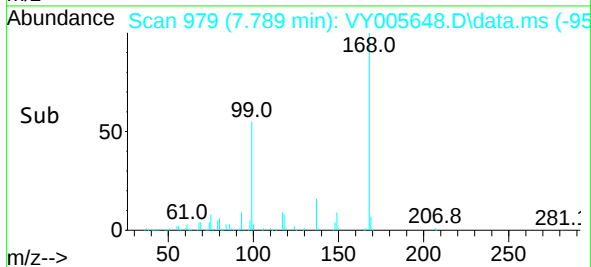
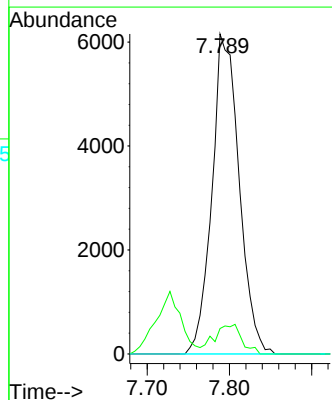
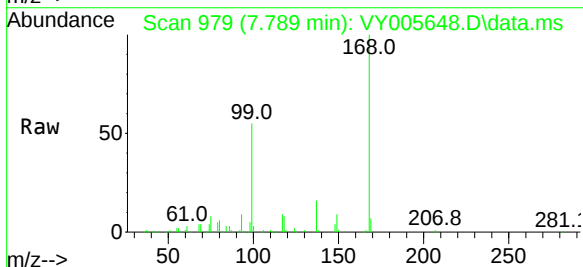
Tgt Ion: 75 Resp: 14133

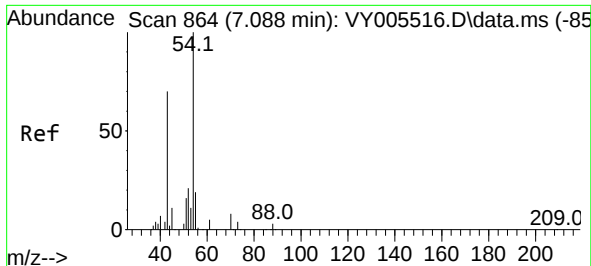
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 2.434 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.092 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

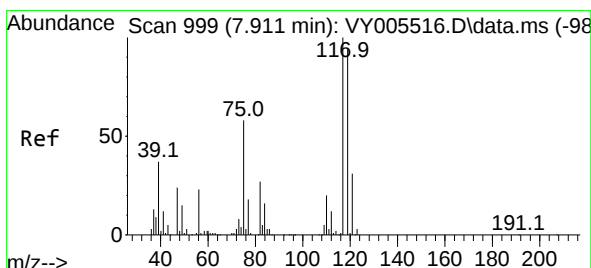
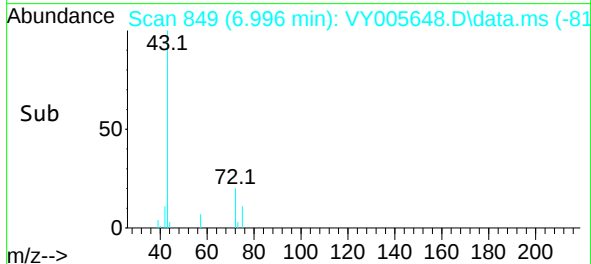
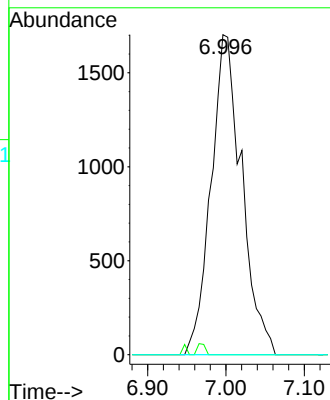
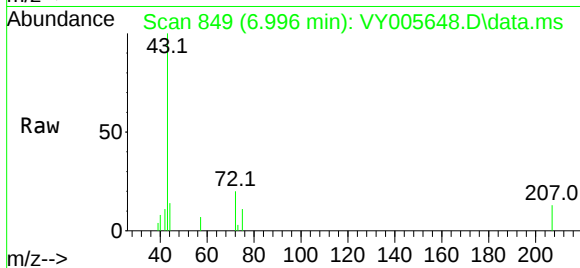
Instrument :

MSVOA\_Y

ClientSampleId :

26N

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4628  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 10.6  | 15.8# |
| 70       | 0.0   | 8.6   | 13.0# |



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

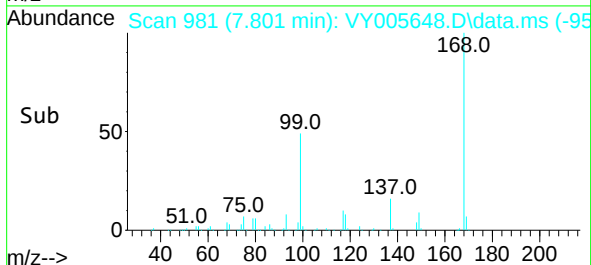
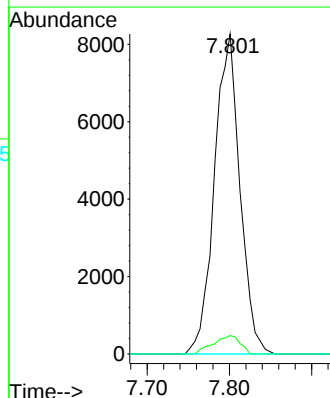
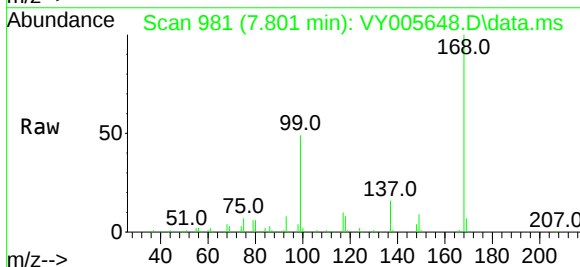
RT: 7.801 min Scan# 981

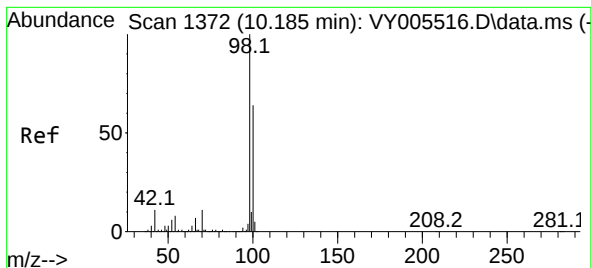
Delta R.T. -0.110 min

Lab File: VY005648.D

Acq: 13 Aug 2021 20:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 17795  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.7   | 75.4  | 113.0# |
| 121      | 0.0   | 25.1  | 37.7#  |

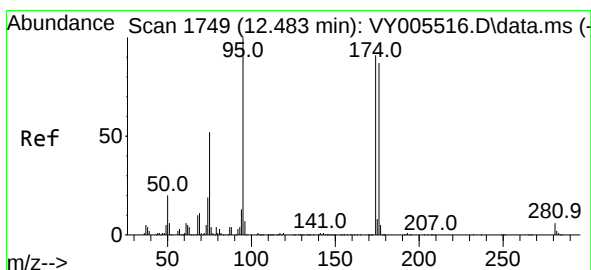
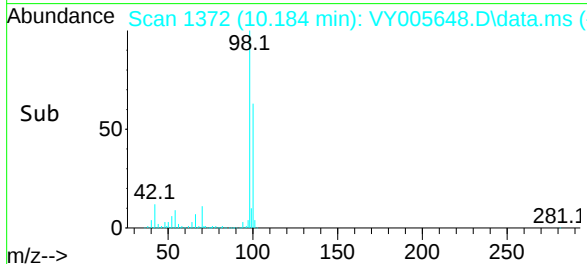
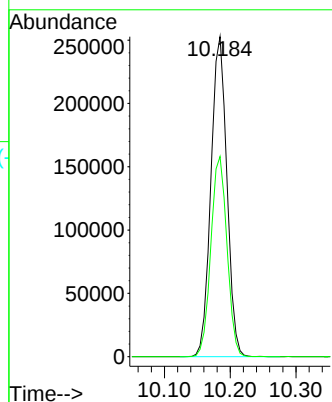
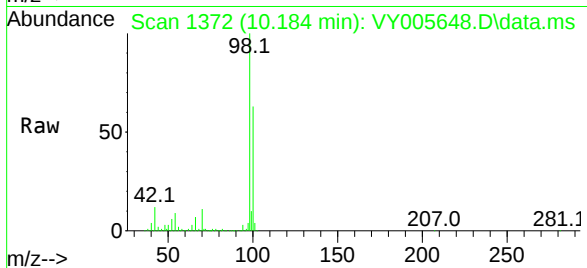




#50  
Toluene-d8  
Concen: 54.312 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

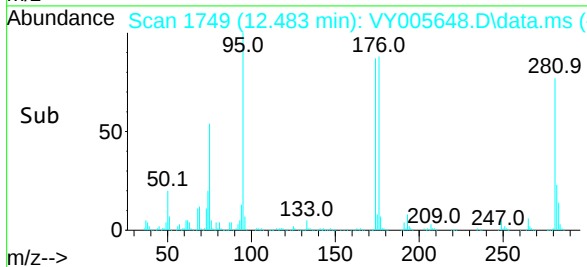
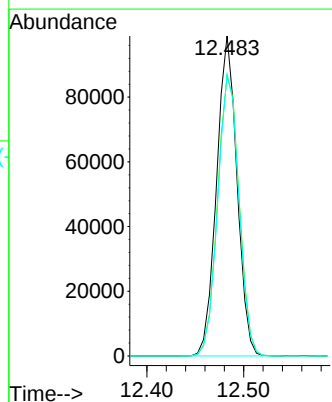
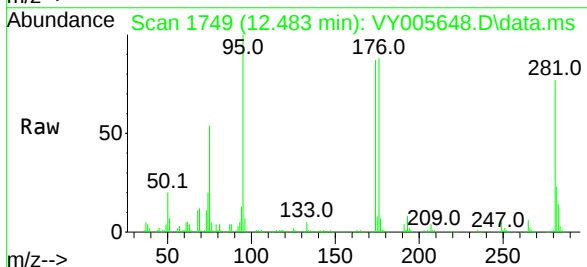
Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

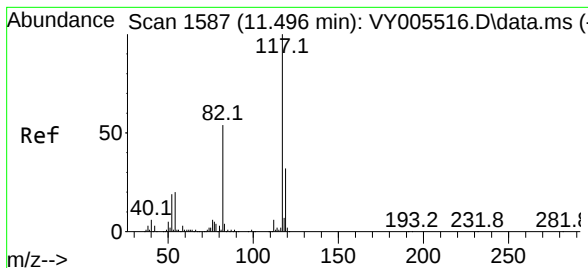
Tgt Ion: 98 Resp: 426771  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 55.621 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Tgt Ion: 95 Resp: 144731  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 191.4  
176 91.1 0.0 183.6

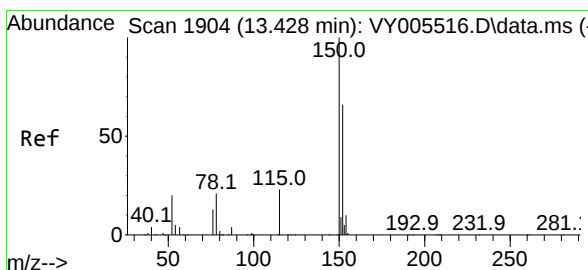
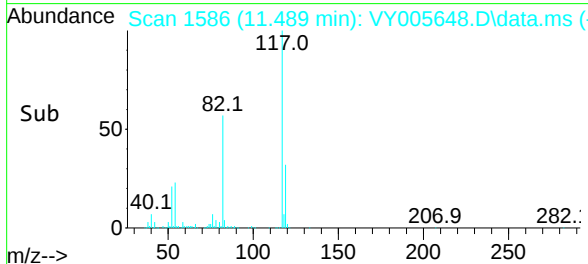
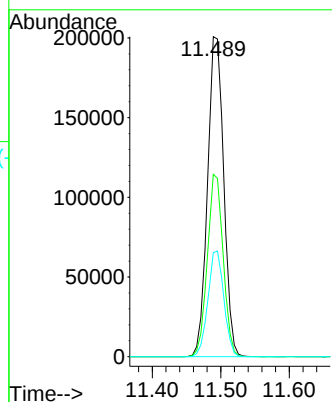
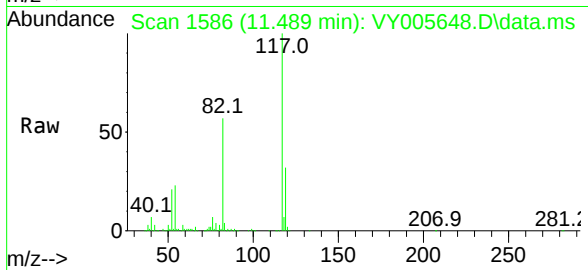




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.007 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

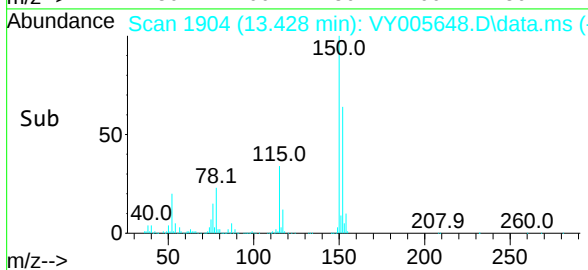
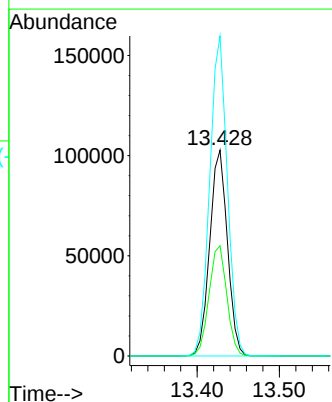
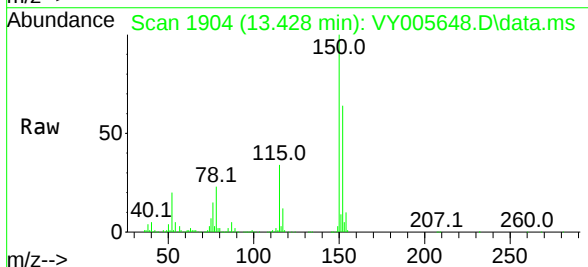
Instrument :  
MSVOA\_Y  
ClientSampleId :  
26N

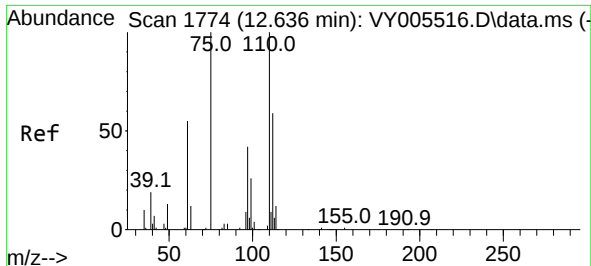
Tgt Ion:117 Resp: 330132  
Ion Ratio Lower Upper  
117 100  
82 57.0 43.5 65.3  
119 32.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Tgt Ion:152 Resp: 153535  
Ion Ratio Lower Upper  
152 100  
115 53.9 27.3 81.9  
150 154.8 0.0 350.2

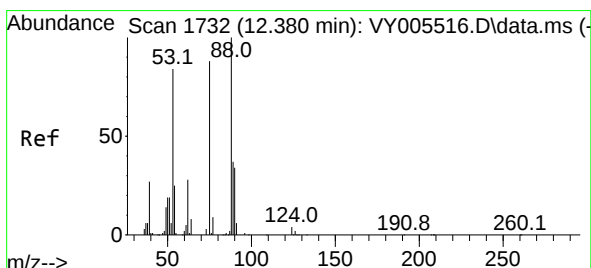
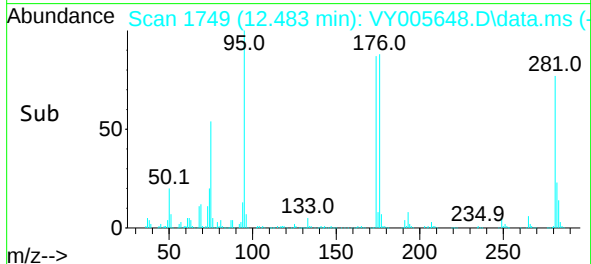
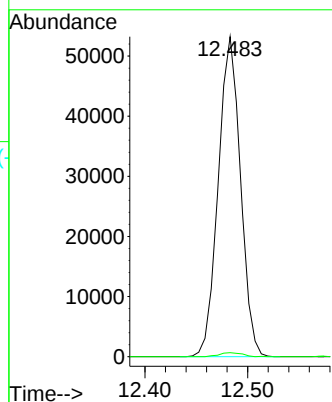
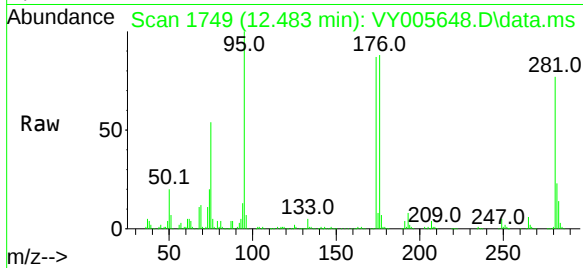




#76  
1,2,3-Trichloropropane  
Concen: 50.244 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

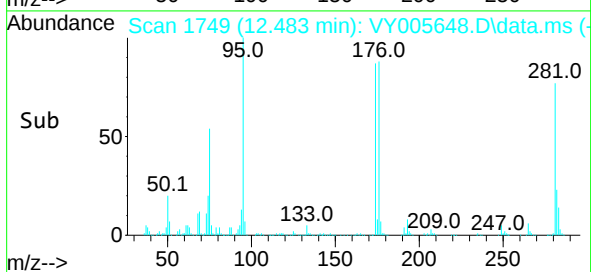
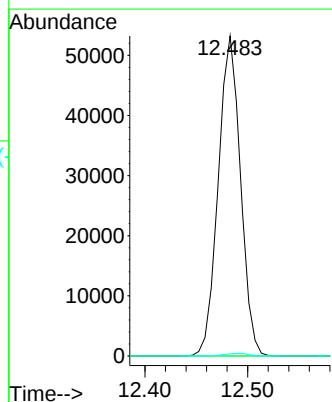
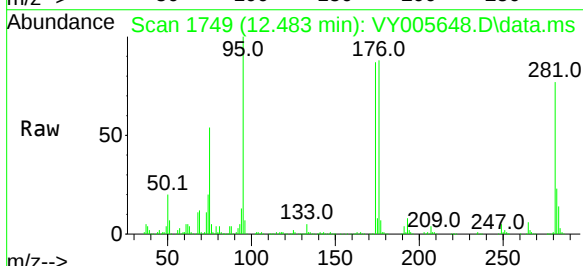
Instrument :  
MSVOA\_Y  
ClientSampled :  
26N

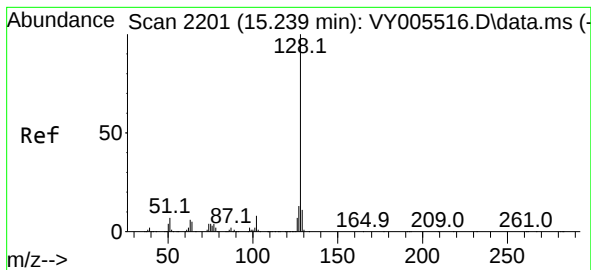
Tgt Ion: 75 Resp: 79942  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.286 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

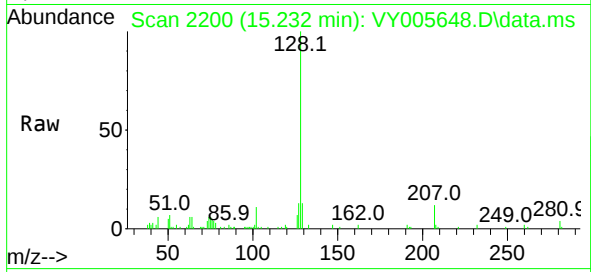
Tgt Ion: 75 Resp: 79942  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.9 38.4 57.6#





#95  
Naphthalene  
Concen: 2.059 ug/l  
RT: 15.232 min Scan# 2200  
Delta R.T. -0.007 min  
Lab File: VY005648.D  
Acq: 13 Aug 2021 20:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
26N



Tgt Ion:128 Resp: 12654  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 15.8  
129 11.8 8.7 13.1

