

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
 Data File : VY005597.D  
 Acq On : 10 Aug 2021 15:49  
 Operator : SY/MD  
 Sample : M3331-02  
 Misc : 6.33G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 11 03:37:48 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

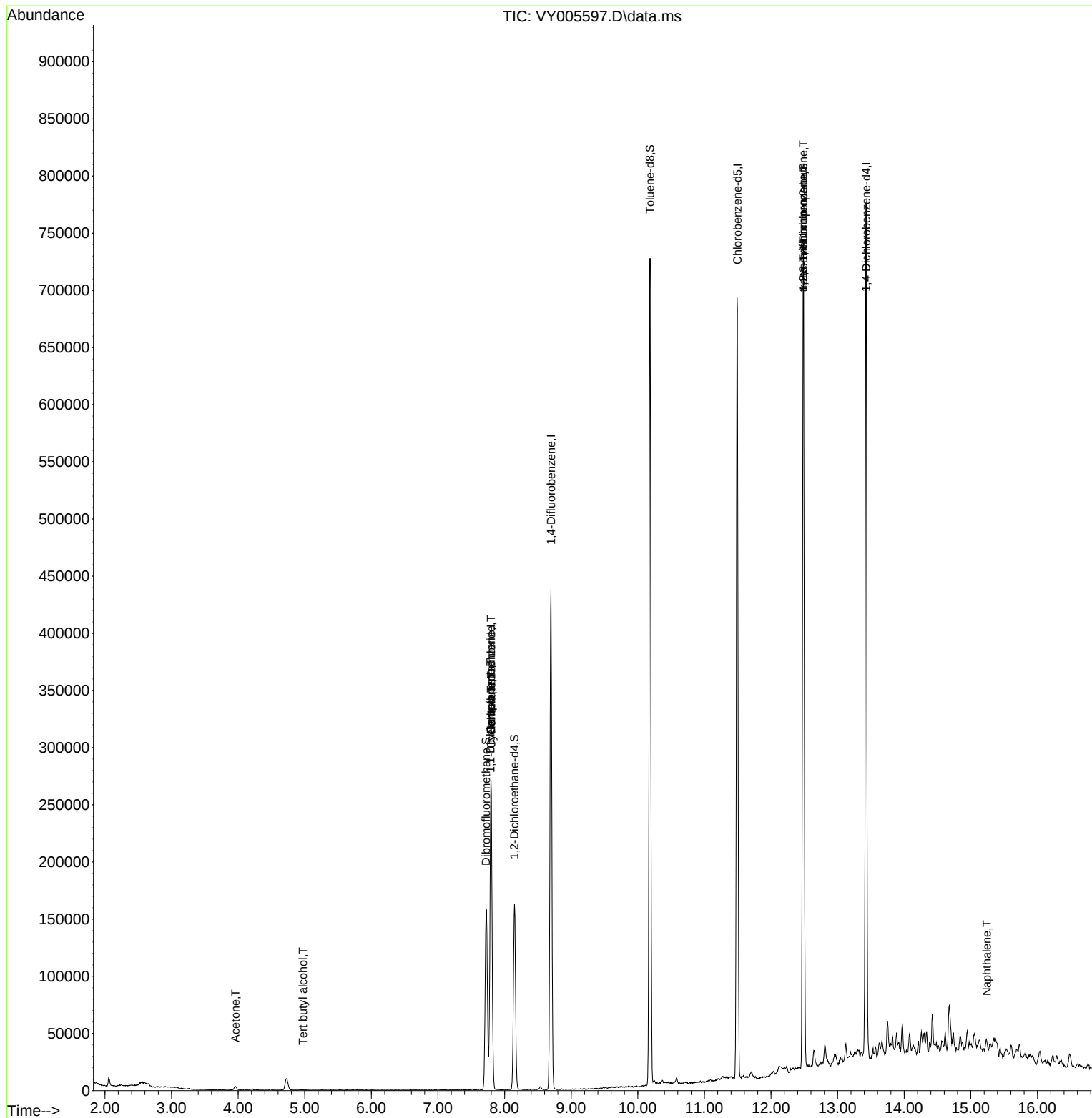
| Compound                      | R.T.   | QIon  | Response | Conc      | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-----------|----------|
| -----                         |        |       |          |           |           |          |
| Internal Standards            |        |       |          |           |           |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 217701   | 50.00     | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 364092   | 50.00     | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 372748   | 50.00     | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 188572   | 50.00     | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |           |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 133494   | 60.58     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 121.16% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 108975   | 53.46     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.92% |          |
| 50) Toluene-d8                | 10.185 | 98    | 471425   | 55.14     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 110.28% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 168811   | 59.63     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 119.26% |          |
| Target Compounds              |        |       |          |           |           |          |
|                               |        |       |          |           | Qvalue    |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 577      | 2.65      | ug/l #    | 73       |
| 16) Acetone                   | 3.960  | 43    | 5614     | 10.10     | ug/l      | 98       |
| 20) Methylene Chloride        | 4.735  | 84    | 7612     | Below Cal | #         | 85       |
| 31) Cyclohexane               | 7.801  | 56    | 4291     | 1.14      | ug/l #    | 7        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 15907    | 4.66      | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 20175    | 5.44      | ug/l #    | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 94165    | 48.19     | ug/l #    | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 94165    | 97.14     | ug/l #    | 11       |
| 95) Naphthalene               | 15.239 | 128   | 8478     | 1.12      | ug/l #    | 90       |
| -----                         |        |       |          |           |           |          |

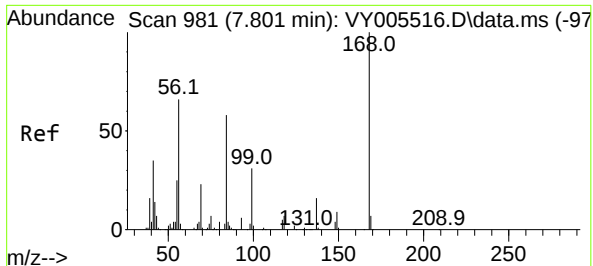
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

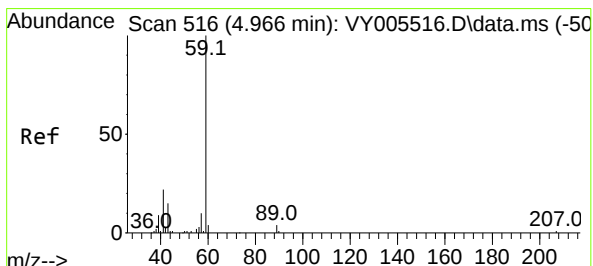
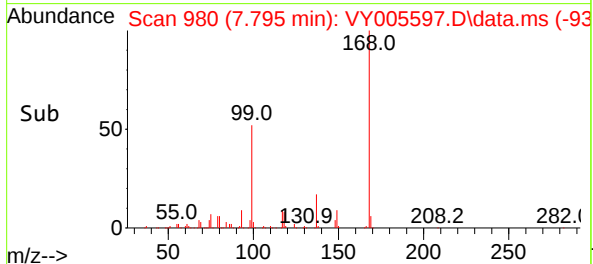
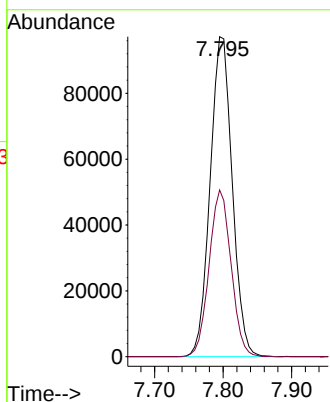
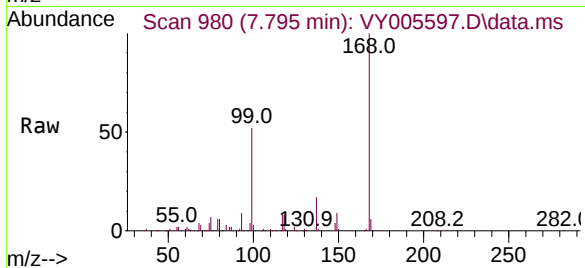




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

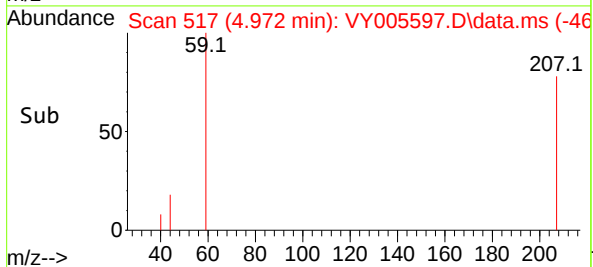
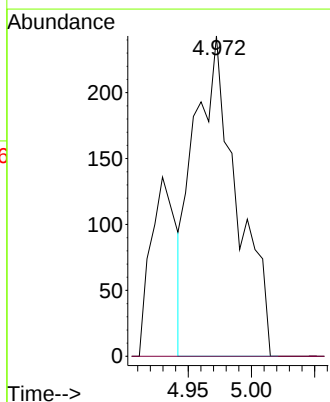
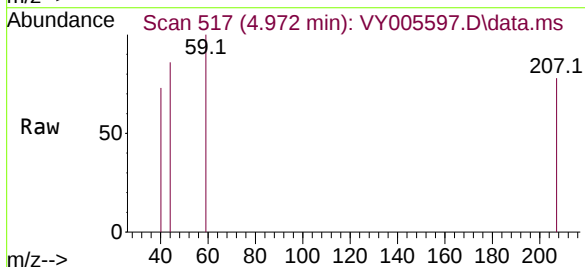
Instrument :  
MSVOA\_Y  
ClientSampleId :

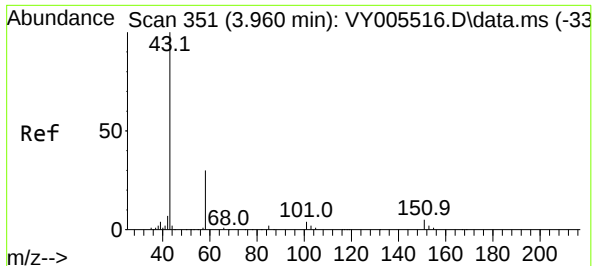
Tgt Ion:168 Resp: 217701  
Ion Ratio Lower Upper  
168 100  
99 52.1 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 2.65 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion: 59 Resp: 577  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

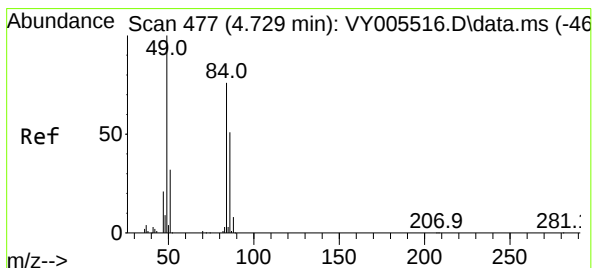
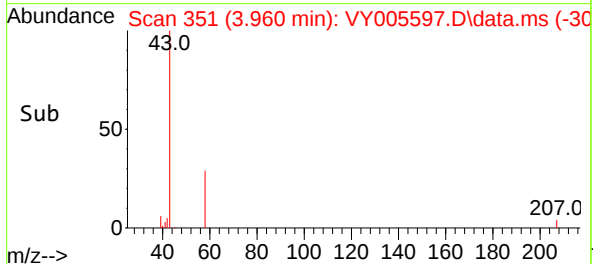
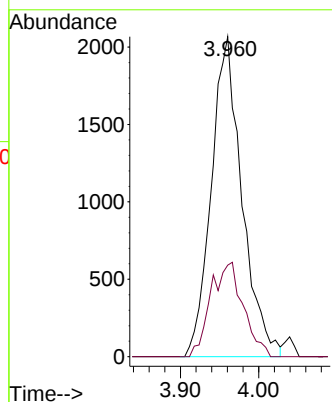
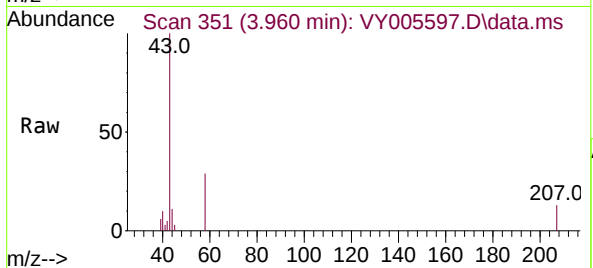




#16  
Acetone  
Concen: 10.10 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

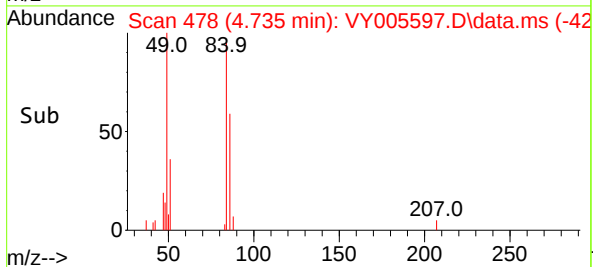
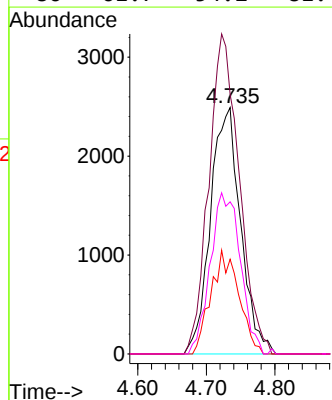
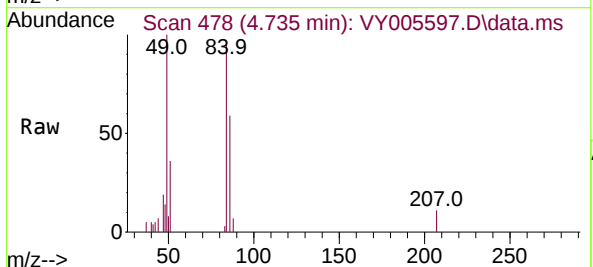
Instrument :  
MSVOA\_Y  
ClientSampleId :

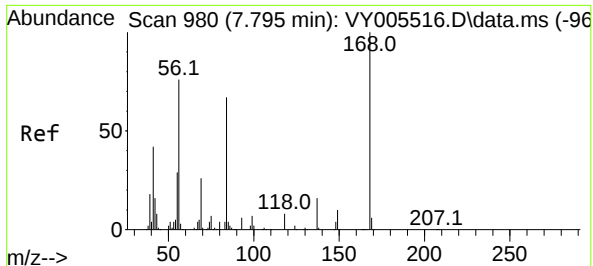
Tgt Ion: 43 Resp: 5614  
Ion Ratio Lower Upper  
43 100  
58 28.6 23.8 35.6



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.735 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion: 84 Resp: 7612  
Ion Ratio Lower Upper  
84 100  
49 105.4 105.8 158.6#  
51 38.5 33.4 50.2  
86 61.7 54.2 81.4

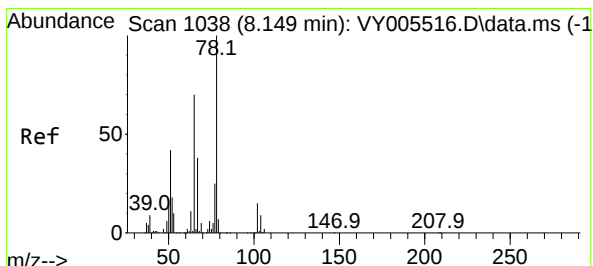
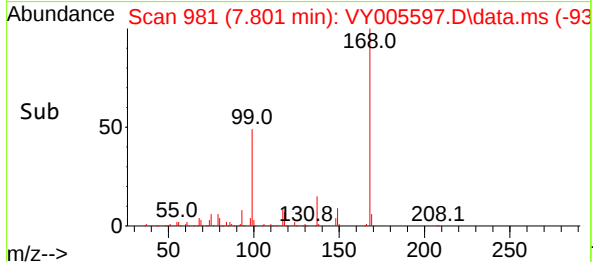
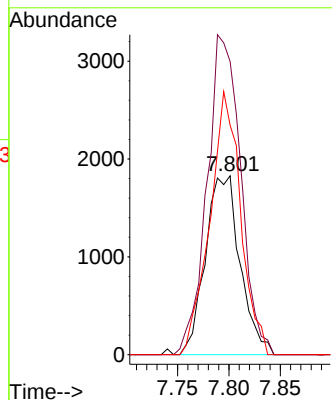
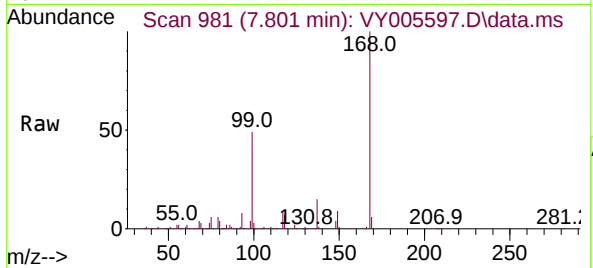




#31  
Cyclohexane  
Concen: 1.14 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

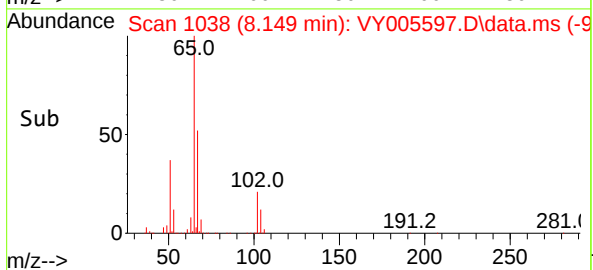
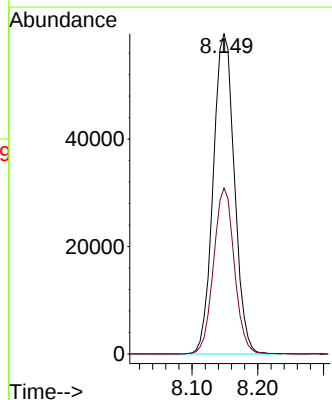
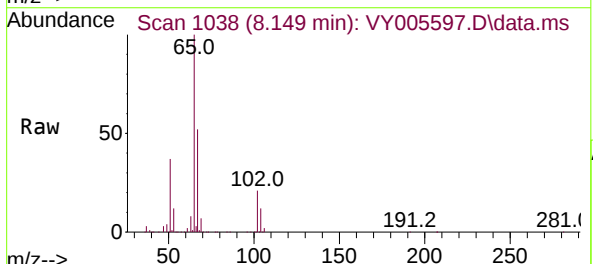
Instrument :  
MSVOA\_Y  
ClientSampleId :

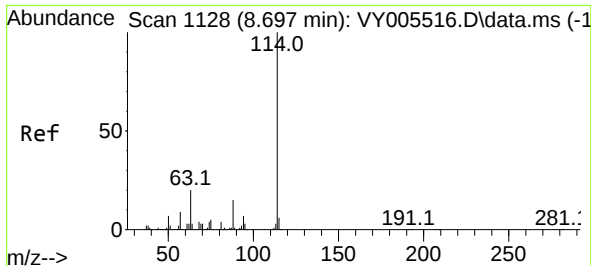
Tgt Ion: 56 Resp: 4291  
Ion Ratio Lower Upper  
56 100  
69 163.8 27.7 41.5#  
84 128.2 70.9 106.3#



#33  
1,2-Dichloroethane-d4  
Concen: 60.58 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion: 65 Resp: 133494  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 103.4

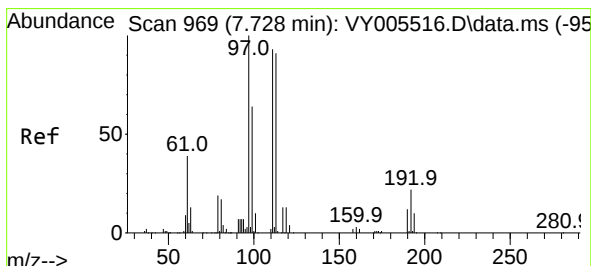
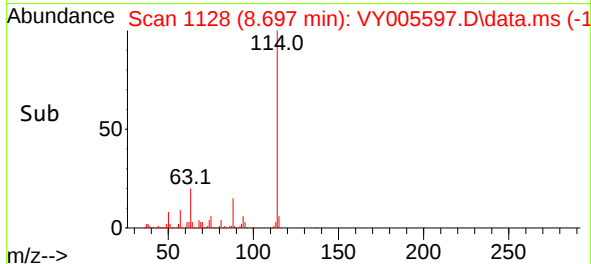
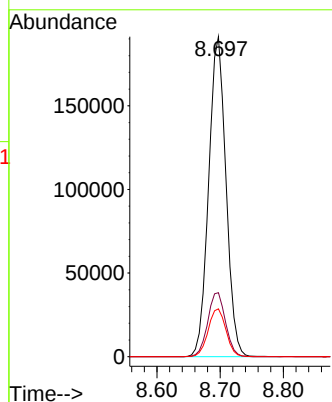
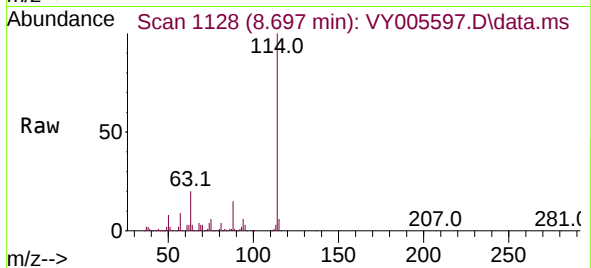




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

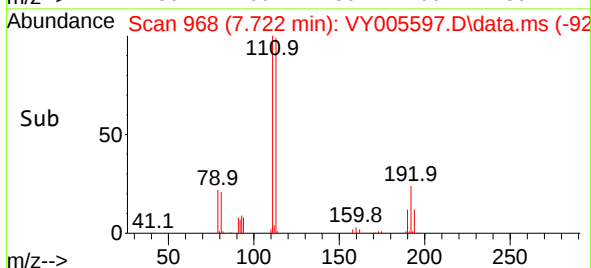
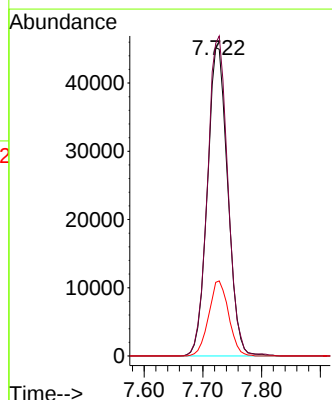
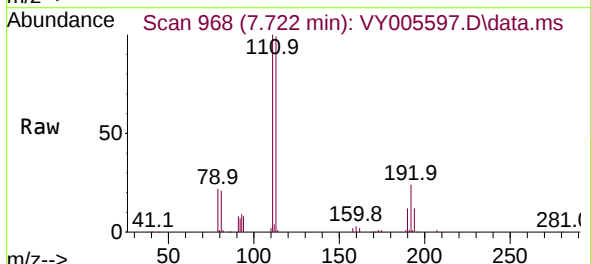
Instrument :  
MSVOA\_Y  
ClientSampleId :

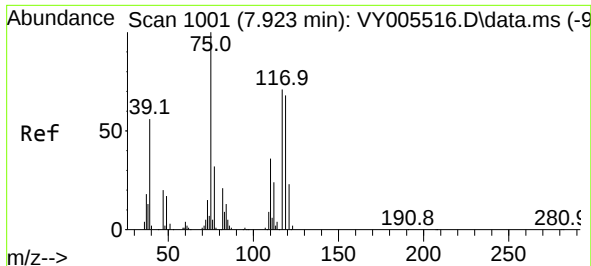
Tgt Ion:114 Resp: 364092  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 39.2  
88 15.0 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 53.46 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion:113 Resp: 108975  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 23.8 19.2 28.8

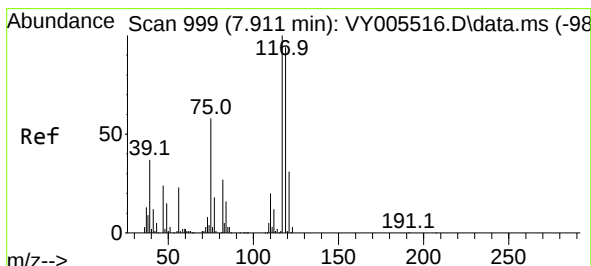
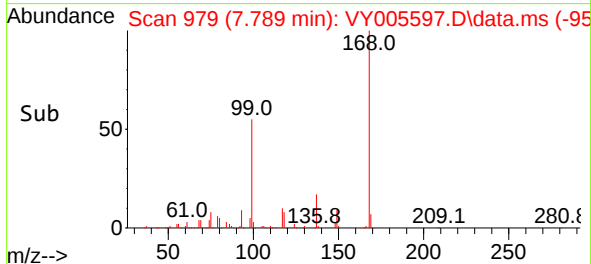
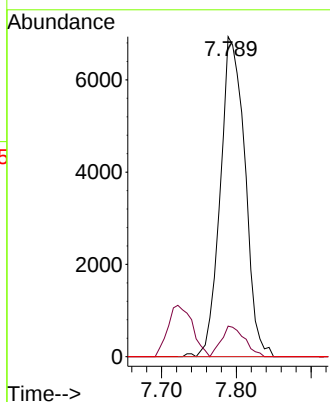
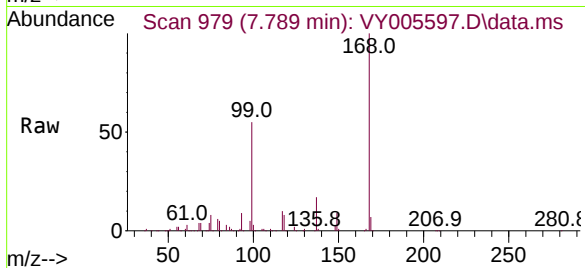




#36  
1,1-Dichloropropene  
Concen: 4.66 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

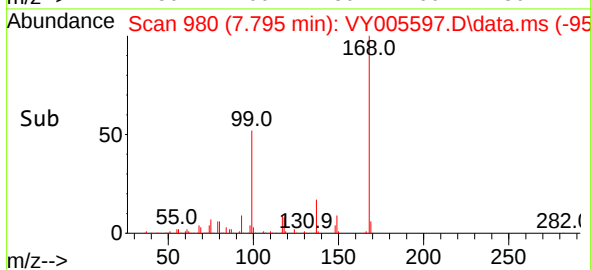
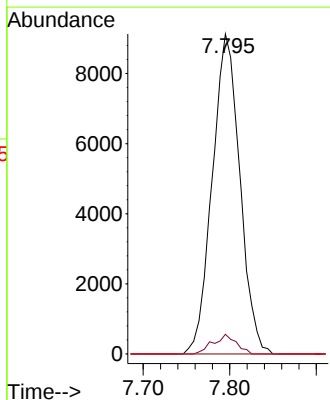
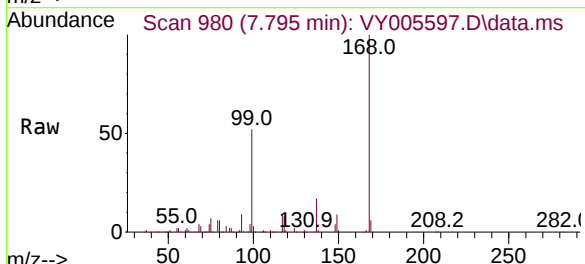
Instrument :  
MSVOA\_Y  
ClientSampled :

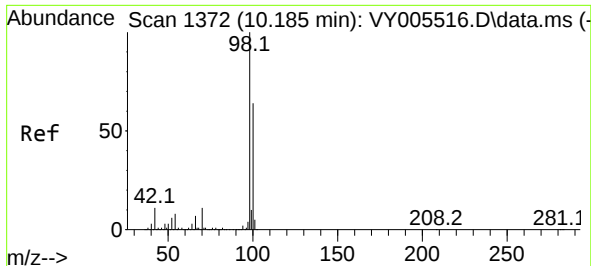
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|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 15907 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.0   | 18.1  | 54.1# |
| 77        | 0.0   | 25.1  | 37.7# |



#38  
Carbon Tetrachloride  
Concen: 5.44 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 20175  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 6.1   | 75.4  | 113.0# |
| 121       | 0.0   | 25.1  | 37.7#  |

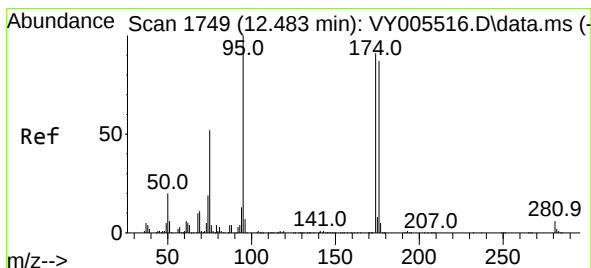
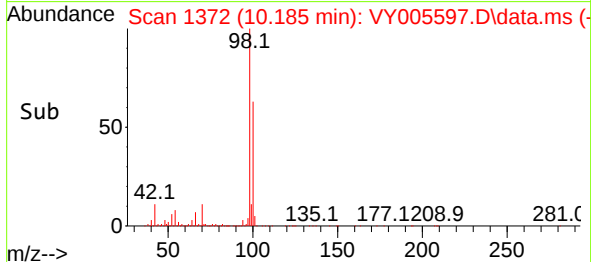
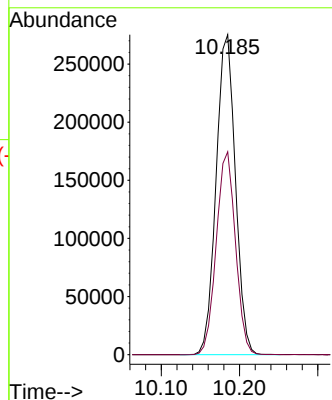
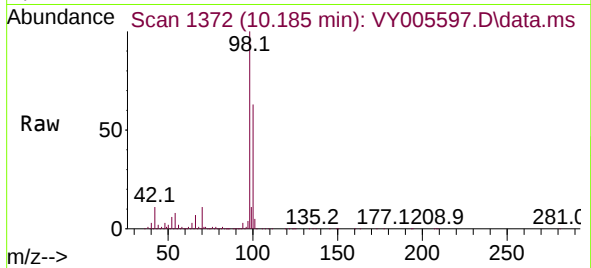




#50  
Toluene-d8  
Concen: 55.14 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

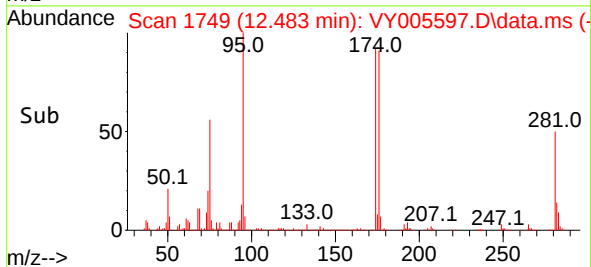
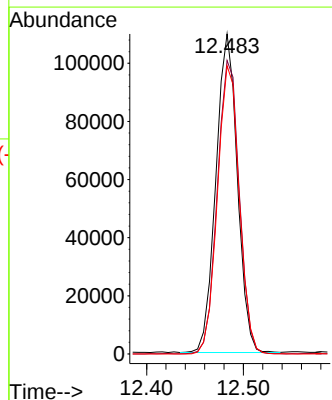
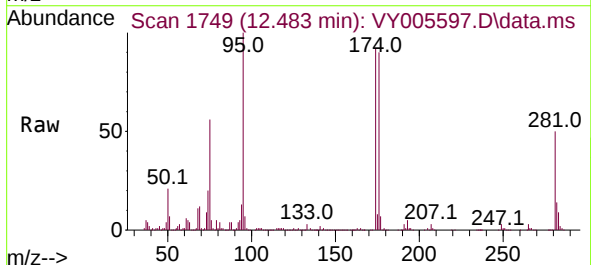
Instrument :  
MSVOA\_Y  
ClientSampleId :

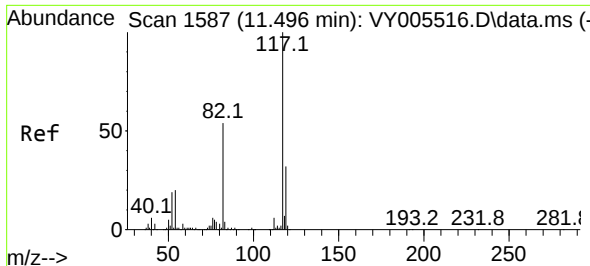
Tgt Ion: 98 Resp: 471425  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 59.63 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion: 95 Resp: 168811  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 191.4  
176 92.0 0.0 183.6

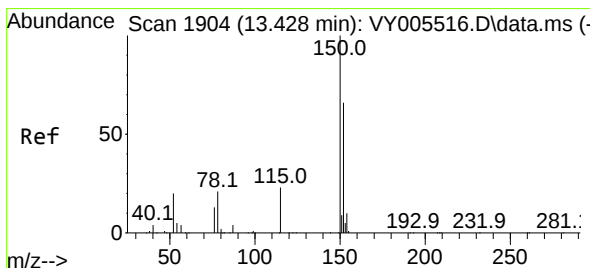
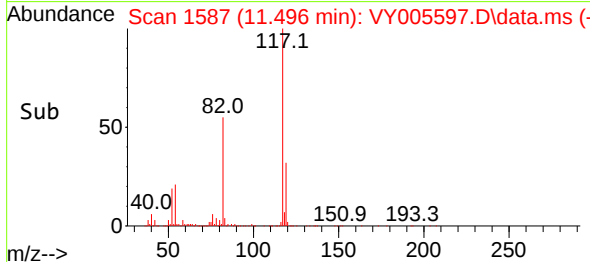
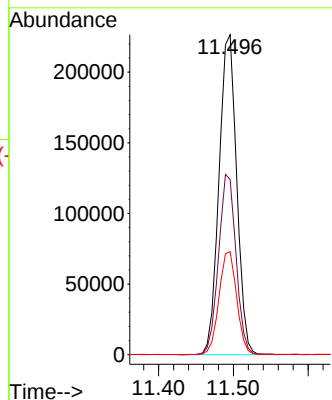
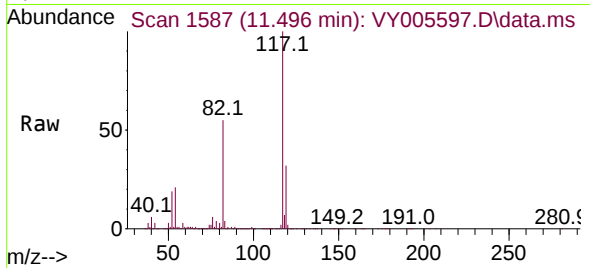




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

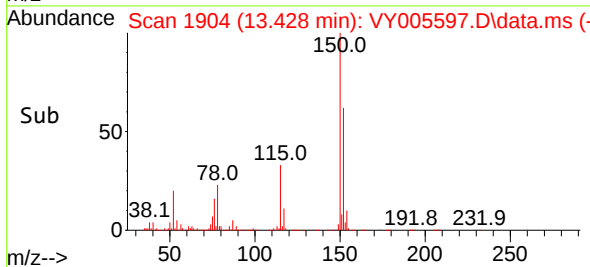
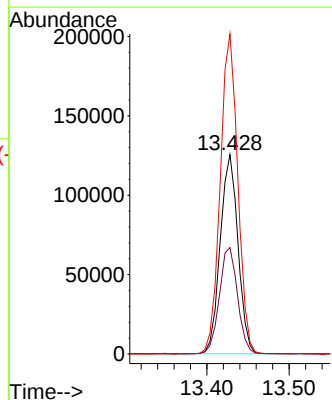
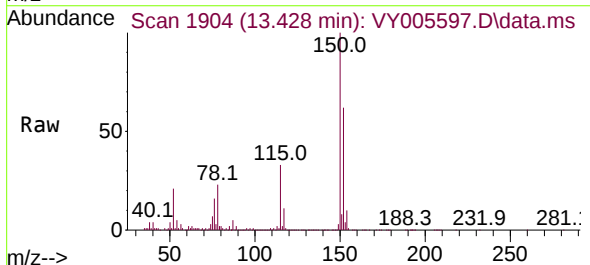
Instrument :  
MSVOA\_Y  
ClientSampled :

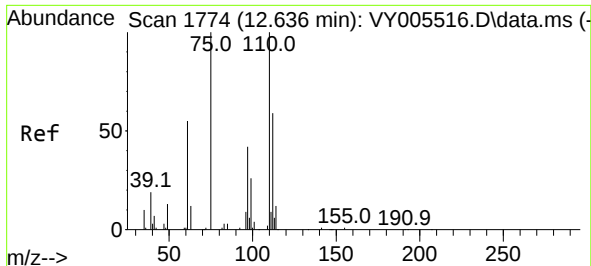
Tgt Ion:117 Resp: 372748  
Ion Ratio Lower Upper  
117 100  
82 54.7 43.5 65.3  
119 32.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion:152 Resp: 188572  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.3 81.9  
150 158.6 0.0 350.2

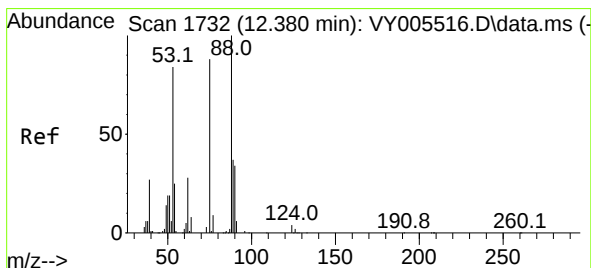
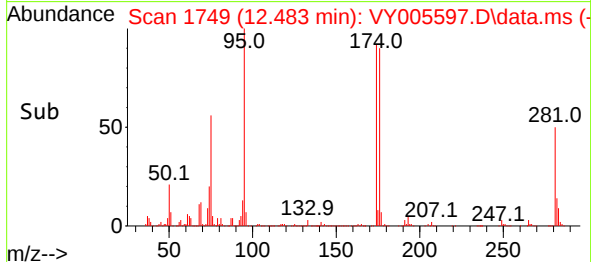
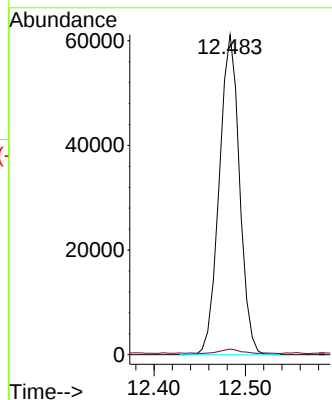
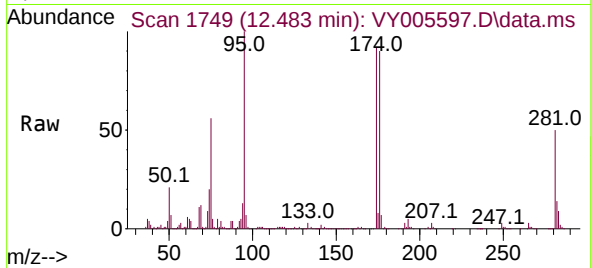




#76  
1,2,3-Trichloropropane  
Concen: 48.19 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

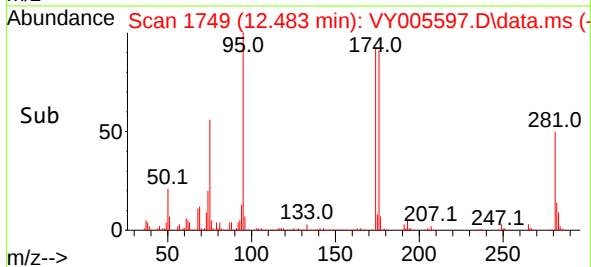
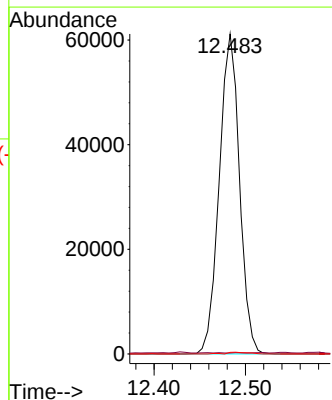
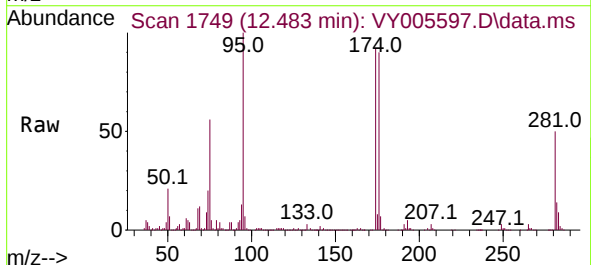
Instrument :  
MSVOA\_Y  
ClientSampleId :

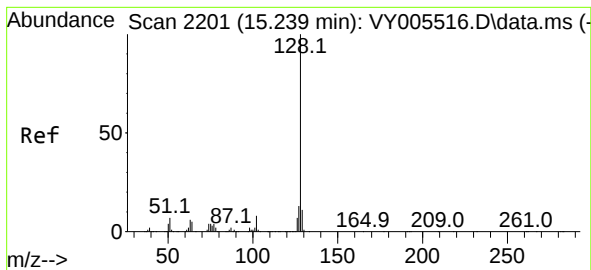
Tgt Ion: 75 Resp: 94165  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.14 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Tgt Ion: 75 Resp: 94165  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.7 115.1#  
89 0.6 38.4 57.6#





#95  
Naphthalene  
Concen: 1.12 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY005597.D  
Acq: 10 Aug 2021 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 8478  
Ion Ratio Lower Upper  
128 100  
127 16.3 10.6 15.8#  
129 15.4 8.7 13.1#

