

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
 Data File : VY005283.D  
 Acq On : 29 Jun 2021 18:14  
 Operator : SY/MD  
 Sample : M2886-05  
 Misc : 4.46G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-24

Quant Time: Jun 30 04:01:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 211509   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 339526   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 345100   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 159365   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 109141   | 62.181   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.360% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 106151   | 53.013   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.020% |
| 50) Toluene-d8              | 10.185 | 98    | 430923   | 53.814   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 107.620% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 151370   | 56.727   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 113.460% |

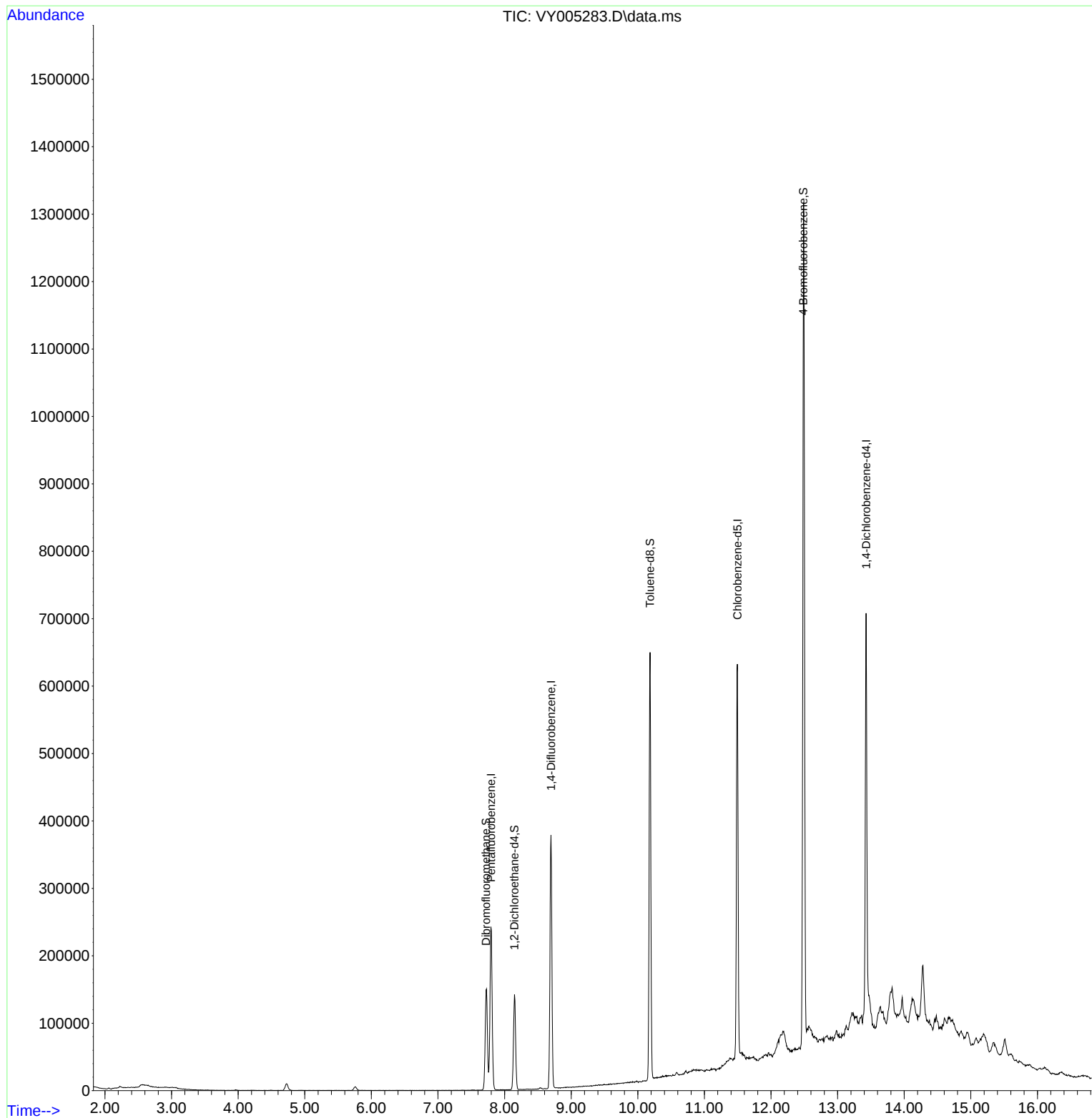
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

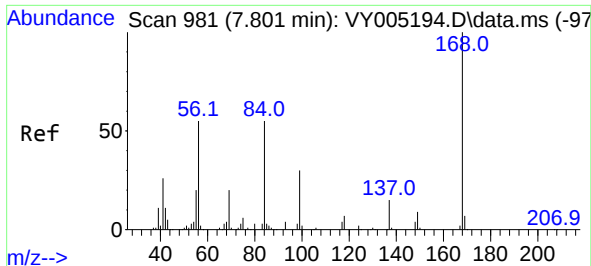
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2886-05  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-24

Quant Time: Jun 30 04:01:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 07:57:52 2021  
Response via : Initial Calibration

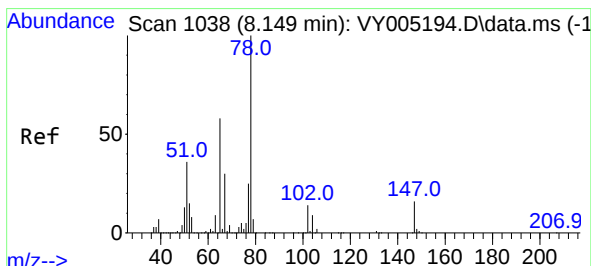
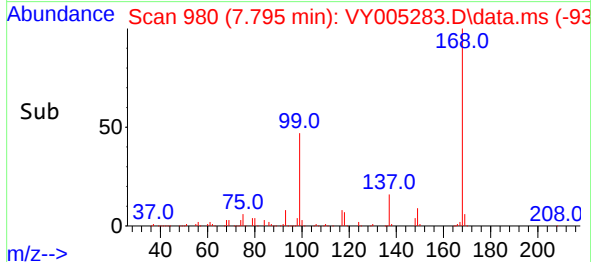
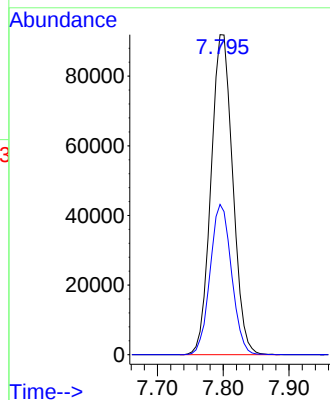
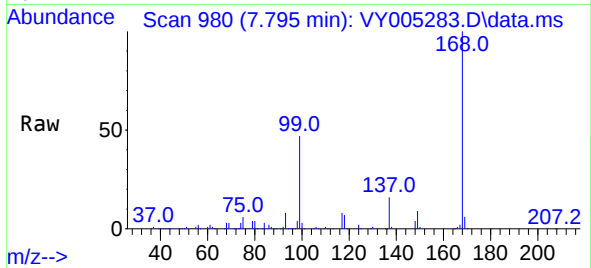




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

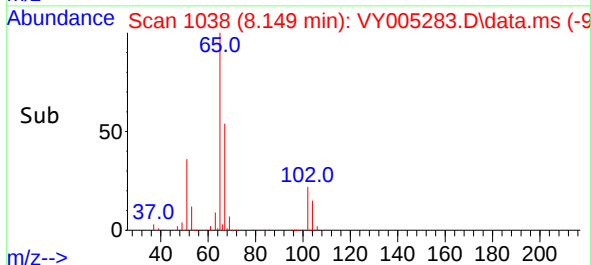
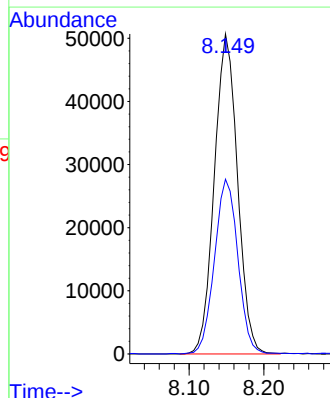
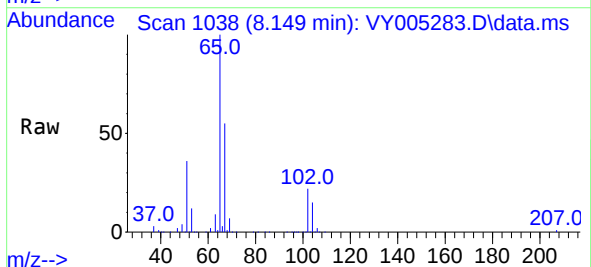
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-24

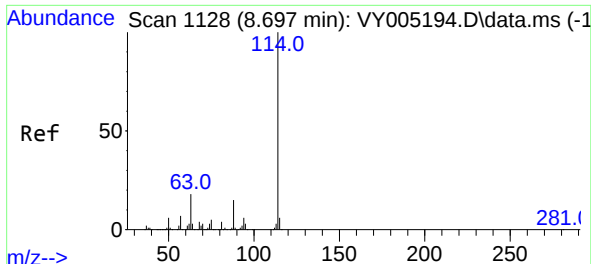
Tgt Ion:168 Resp: 211509  
Ion Ratio Lower Upper  
168 100  
99 46.9 36.2 54.4



#33  
1,2-Dichloroethane-d4  
Concen: 62.181 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

Tgt Ion: 65 Resp: 109141  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 110.6

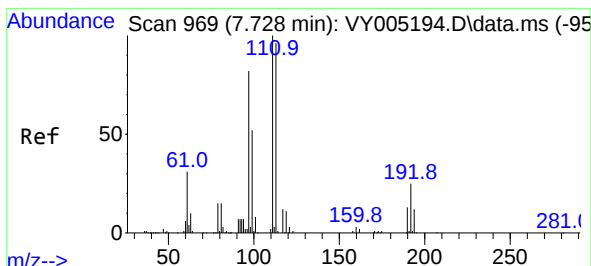
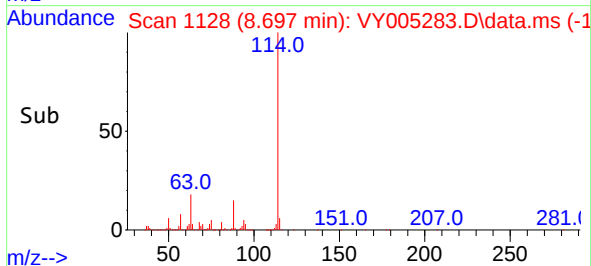
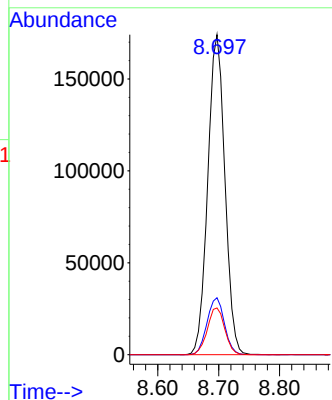
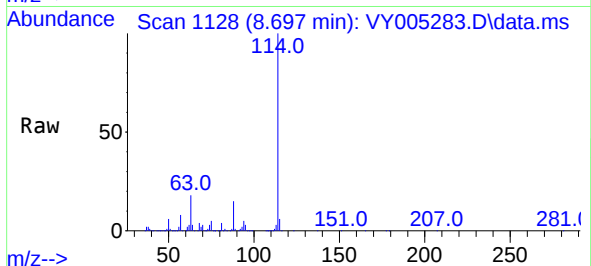




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

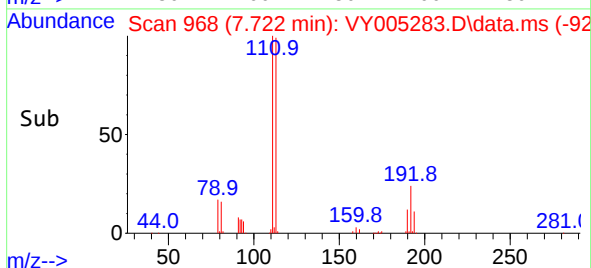
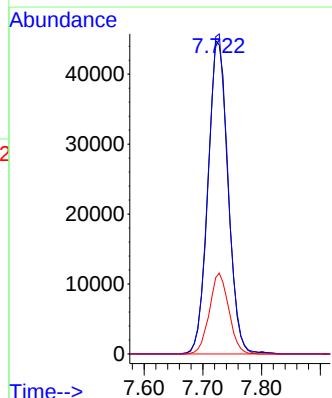
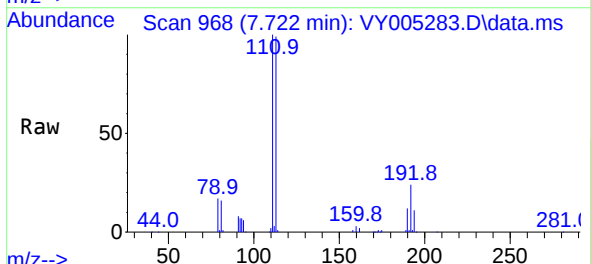
Instrument :  
MSVOA\_Y  
ClientSampled :  
RBR-24

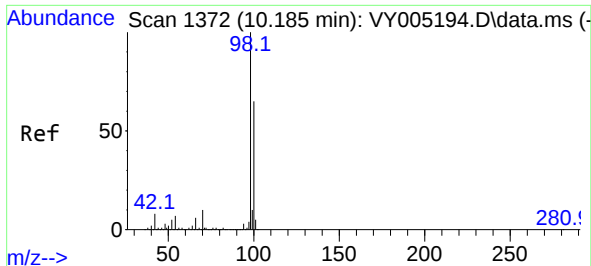
Tgt Ion:114 Resp: 339526  
Ion Ratio Lower Upper  
114 100  
63 17.8 0.0 35.2  
88 14.6 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 53.013 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

Tgt Ion:113 Resp: 106151  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.6 124.0  
192 24.9 20.2 30.2

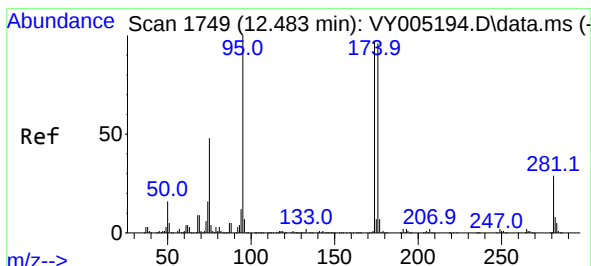
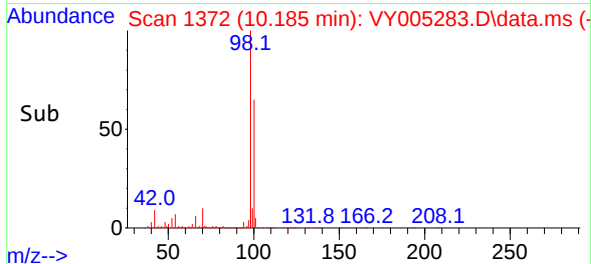
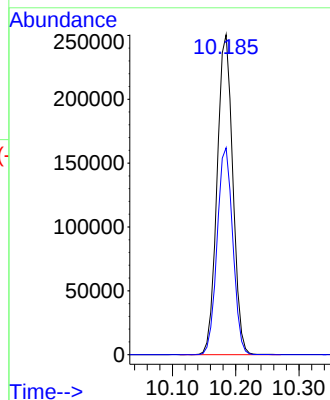
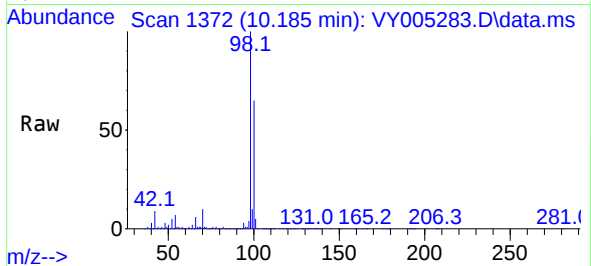




#50  
Toluene-d8  
Concen: 53.814 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

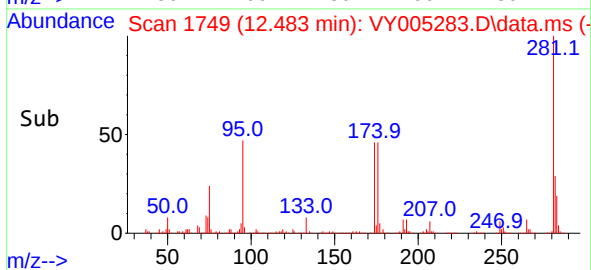
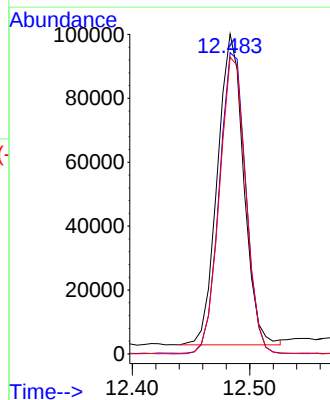
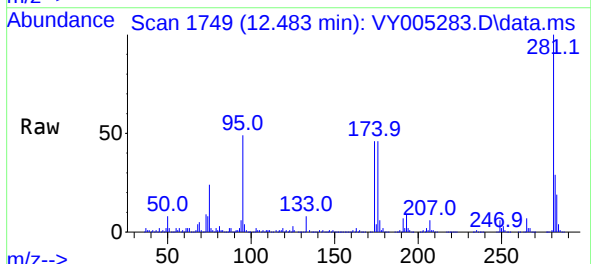
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-24

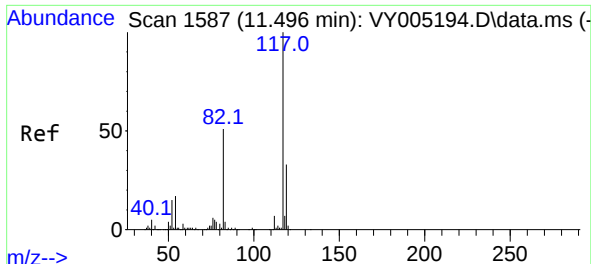
Tgt Ion: 98 Resp: 430923  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 56.727 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

Tgt Ion: 95 Resp: 151370  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 201.6  
176 96.2 0.0 197.4

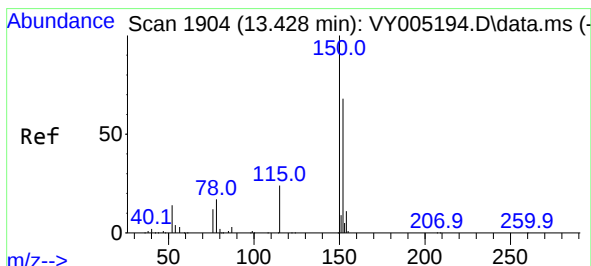
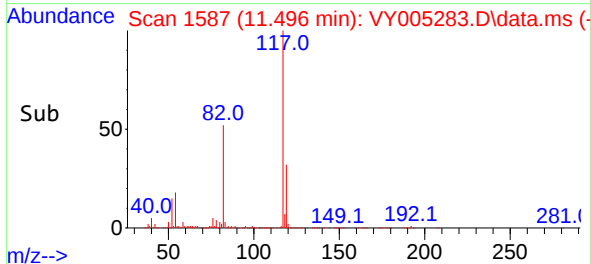
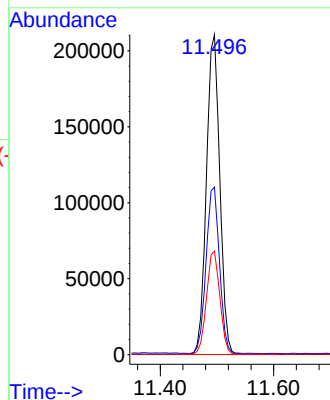
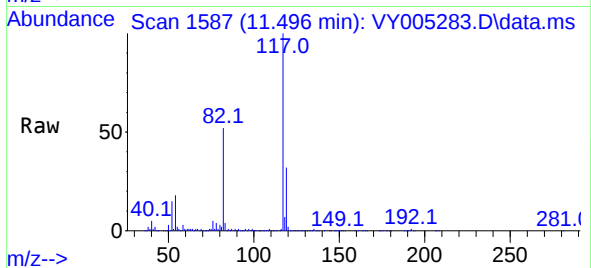




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

Instrument :  
MSVOA\_Y  
ClientSampled :  
RBR-24

Tgt Ion:117 Resp: 345100  
Ion Ratio Lower Upper  
117 100  
82 52.1 40.6 60.8  
119 32.3 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005283.D  
Acq: 29 Jun 2021 18:14

Tgt Ion:152 Resp: 159365  
Ion Ratio Lower Upper  
152 100  
115 51.9 26.3 78.8  
150 152.8 0.0 344.2

