

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050421\  
 Data File : VY004718.D  
 Acq On : 04 May 2021 16:18  
 Operator : SY/MD  
 Sample : M2278-01  
 Misc : 6.42G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-01-050421

Quant Time: May 05 01:35:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

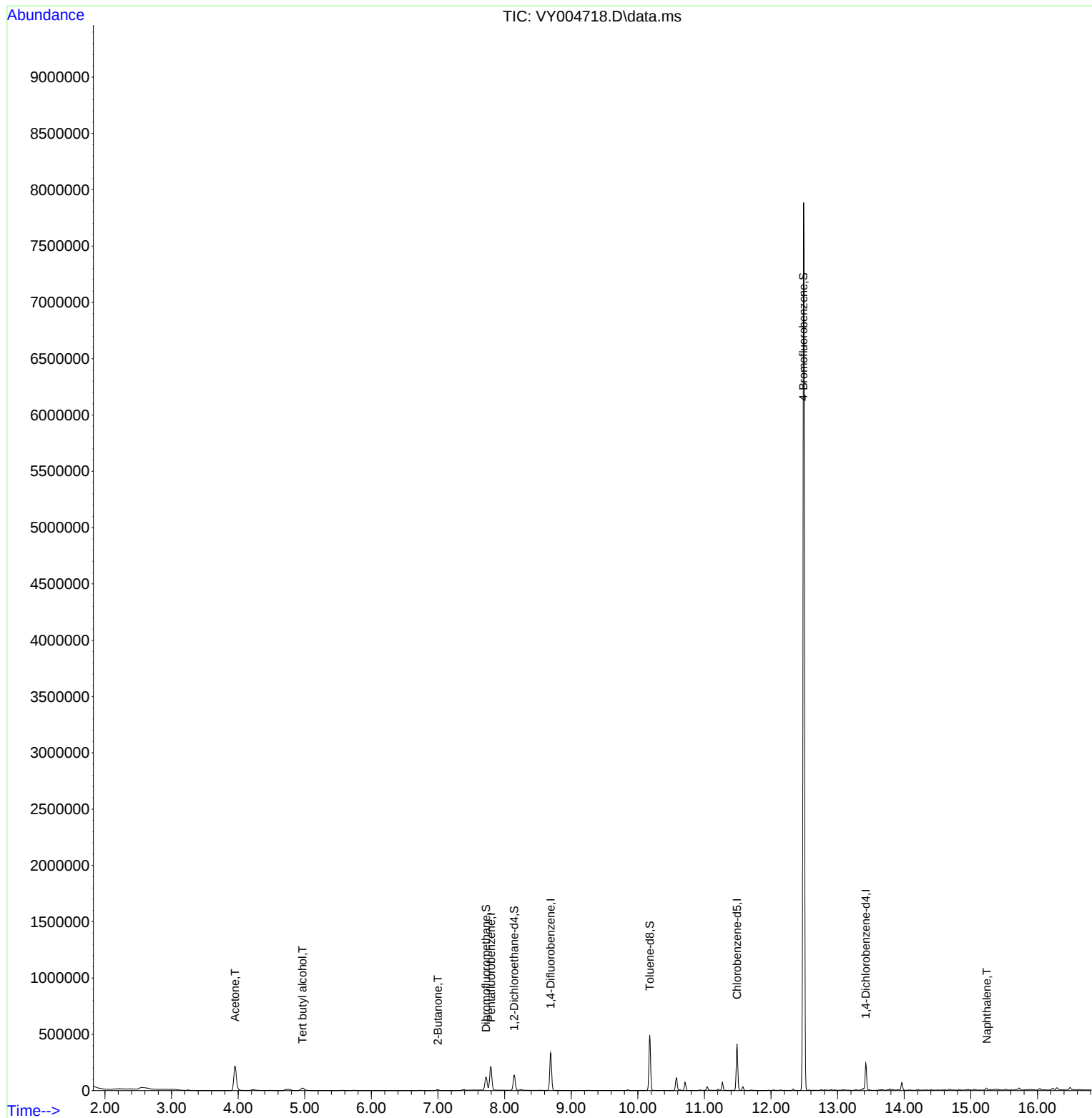
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 158410   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 267587   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 207318   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 57503    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 105908   | 60.17    | ug/l      | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 120.34% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 81767    | 55.06    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.12% |          |
| 50) Toluene-d8              | 10.179 | 98    | 303603   | 48.06    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 96.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 99731    | 46.53    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 93.06%  |          |
| Target Compounds            |        |       |          |          |           |          |
|                             |        |       |          |          | Qvalue    |          |
| 11) Tert butyl alcohol      | 4.966  | 59    | 45583    | 262.79   | ug/l      | 100      |
| 16) Acetone                 | 3.954  | 43    | 394573   | 1123.44  | ug/l      | 98       |
| 25) 2-Butanone              | 6.996  | 43    | 16119    | 24.04    | ug/l      | 97       |
| 95) Naphthalene             | 15.239 | 128   | 12651    | 5.33     | ug/l      | 96       |
| -----                       |        |       |          |          |           |          |

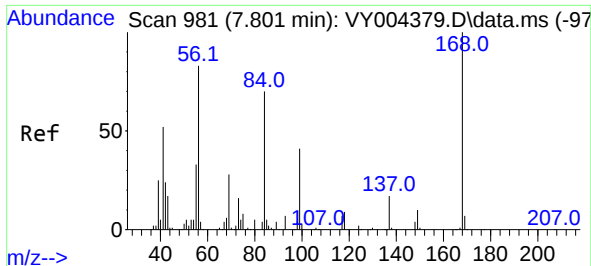
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration

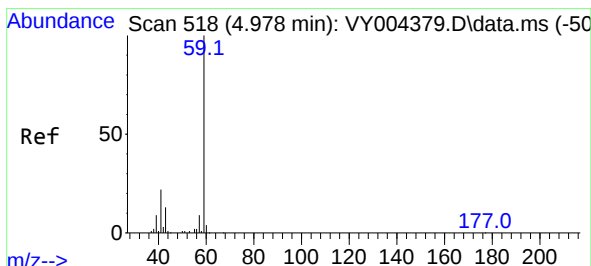
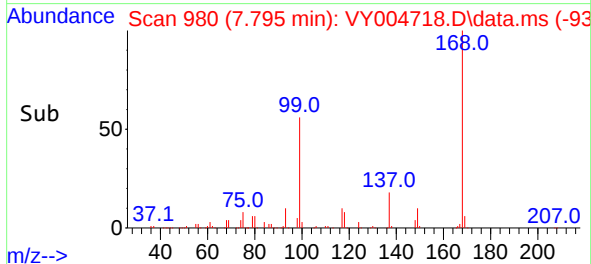
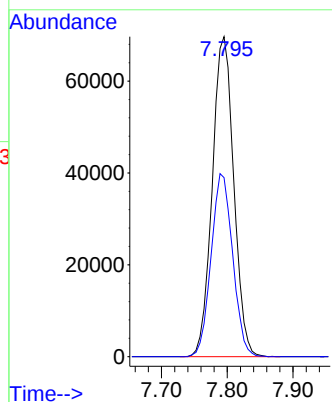
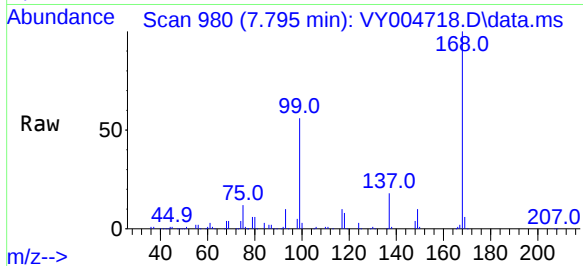




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

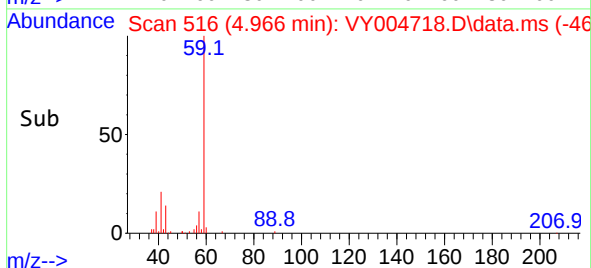
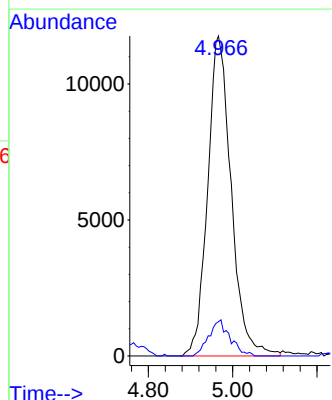
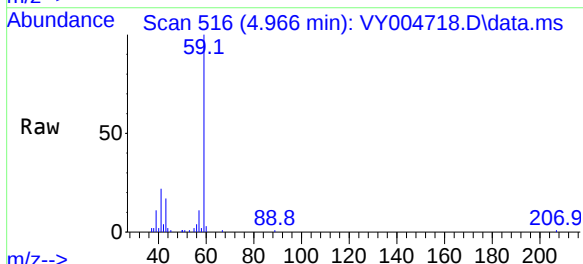
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-050421

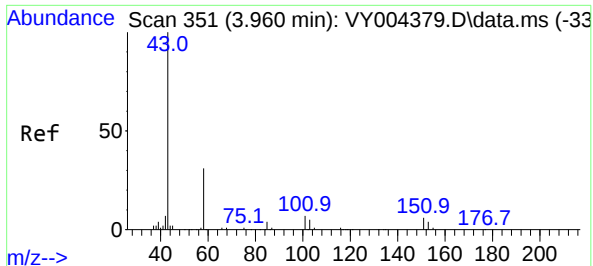
Tgt Ion:168 Resp: 158410  
Ion Ratio Lower Upper  
168 100  
99 55.9 45.5 68.3



#11  
Tert butyl alcohol  
Concen: 262.79 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Tgt Ion: 59 Resp: 45583  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.1 12.1

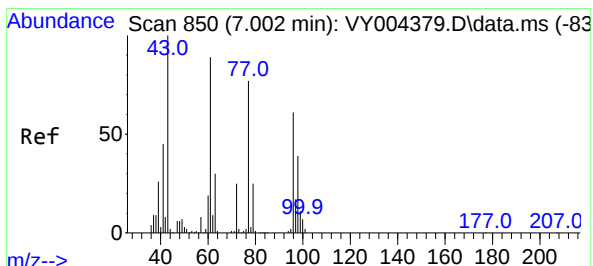
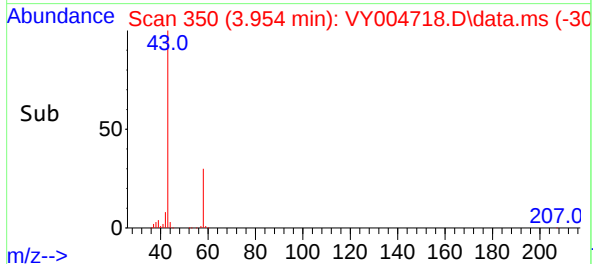
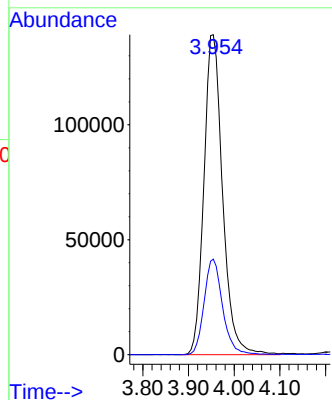
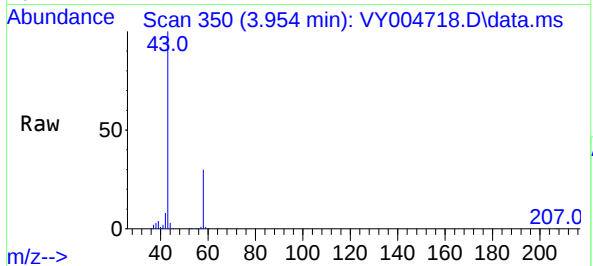




#16  
Acetone  
Concen: 1123.44 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

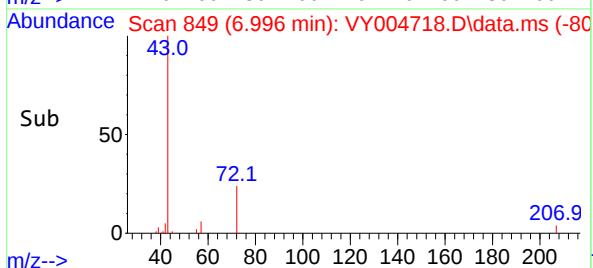
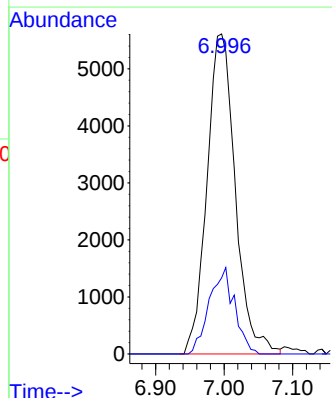
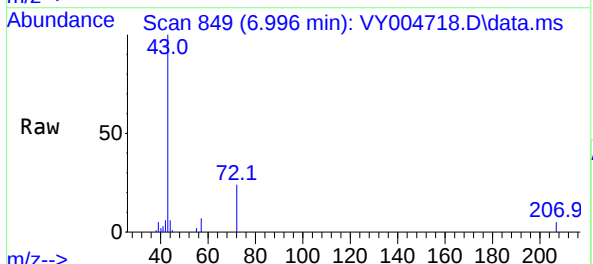
Instrument :  
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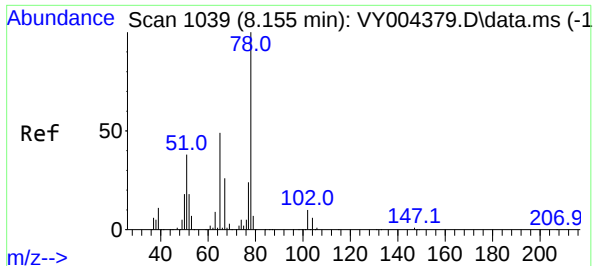
Tgt Ion: 43 Resp: 394573  
Ion Ratio Lower Upper  
43 100  
58 29.9 24.6 37.0



#25  
2-Butanone  
Concen: 24.04 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Tgt Ion: 43 Resp: 16119  
Ion Ratio Lower Upper  
43 100  
72 23.8 20.2 30.2

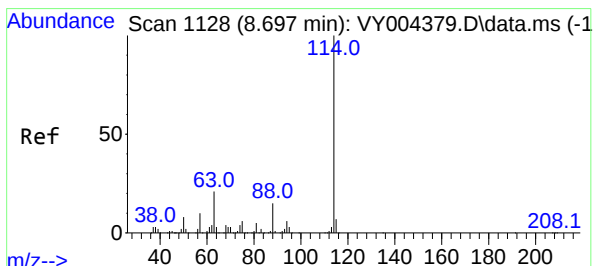
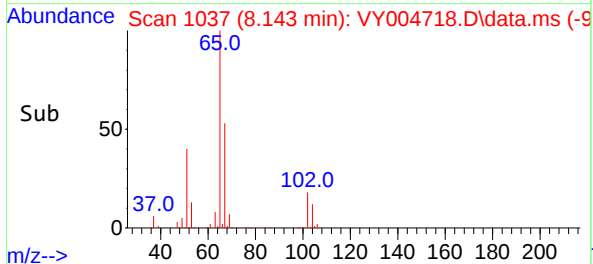
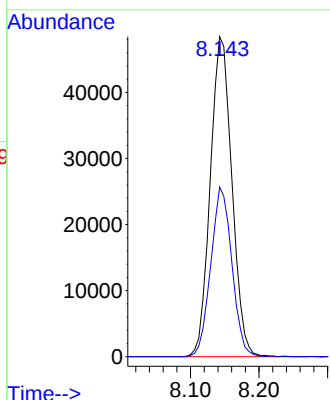
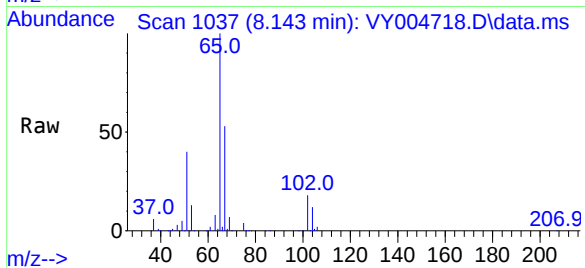




#33  
1,2-Dichloroethane-d4  
Concen: 60.17 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.012 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

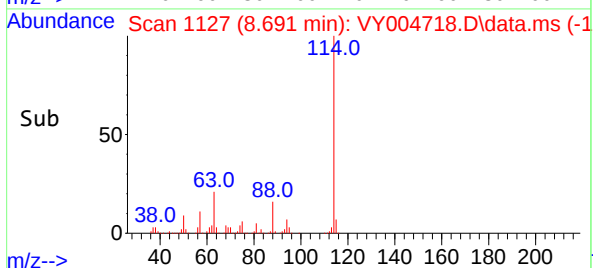
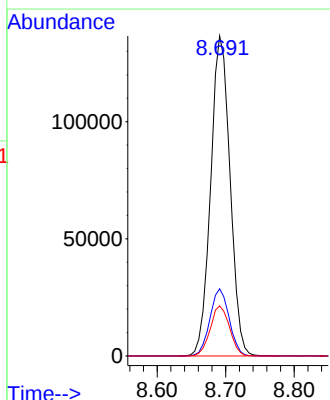
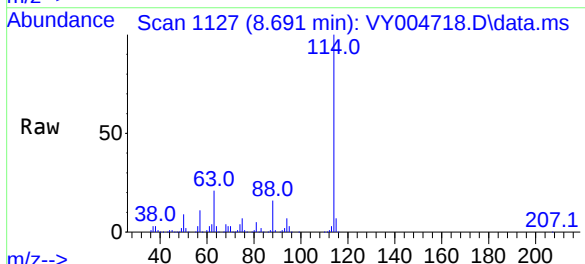
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SU-01-050421

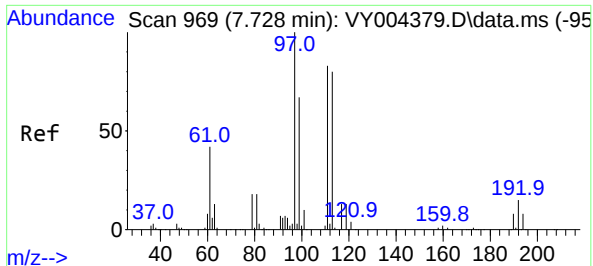
Tgt Ion: 65 Resp: 105908  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Tgt Ion: 114 Resp: 267587  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 42.4  
88 15.7 0.0 30.8

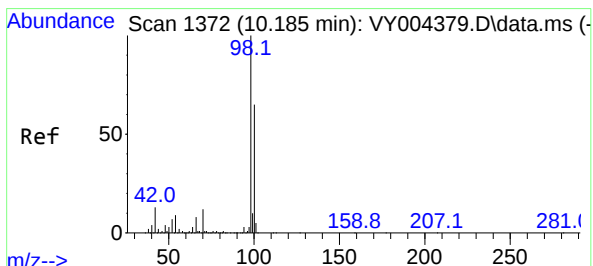
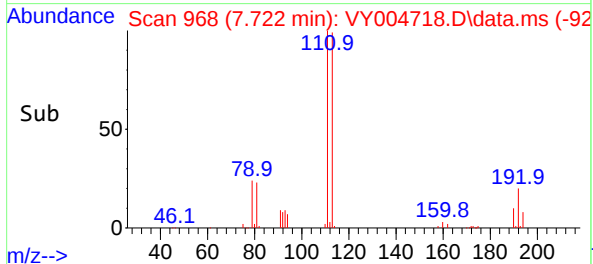
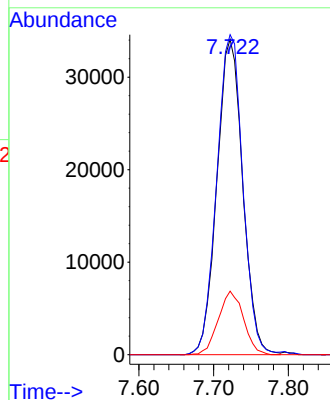
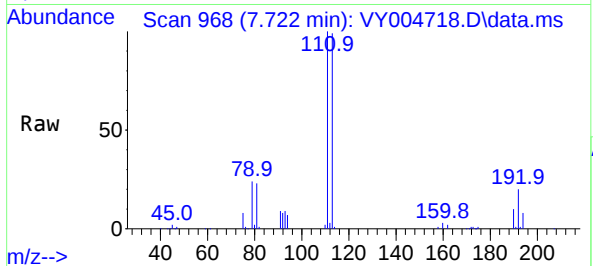




#35  
Dibromofluoromethane  
Concen: 55.06 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

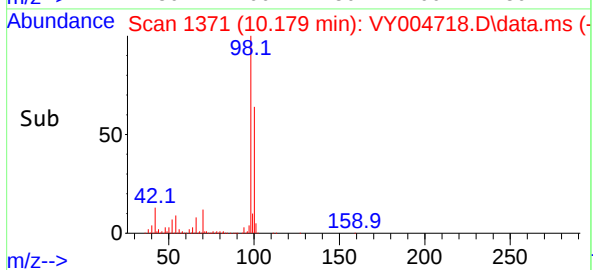
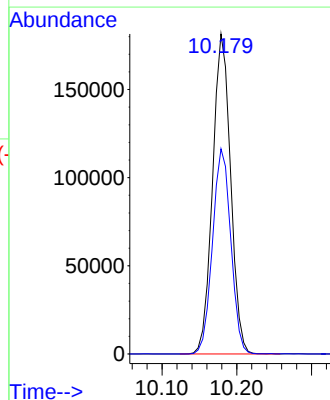
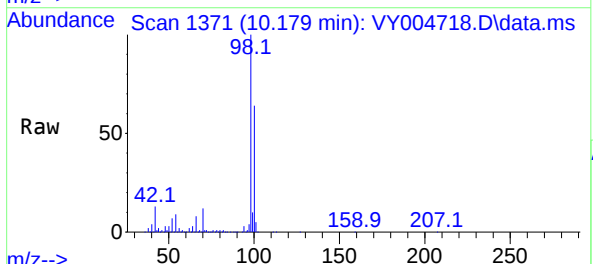
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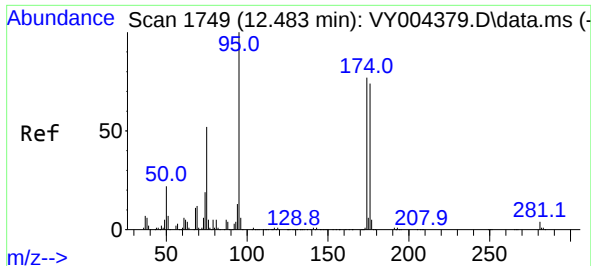
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 81767 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 82.6  | 123.8 |
| 192      | 19.7  | 16.1  | 24.1  |



#50  
Toluene-d8  
Concen: 48.06 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 303603 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.9  | 51.8  | 77.6   |



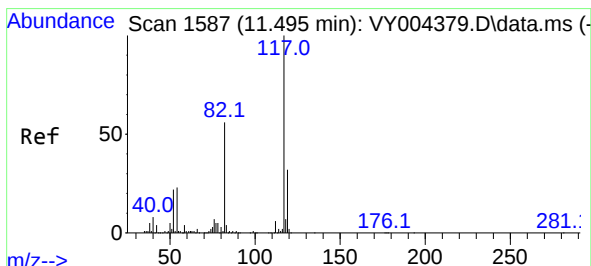
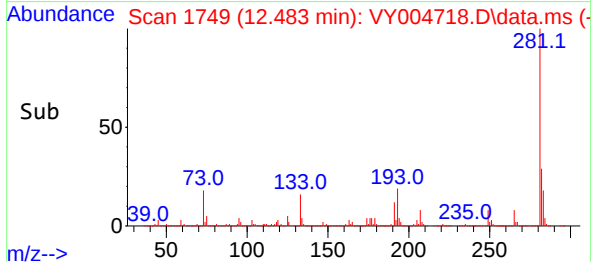
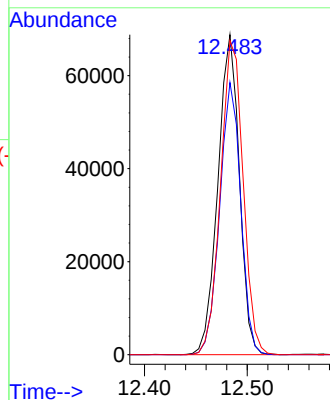
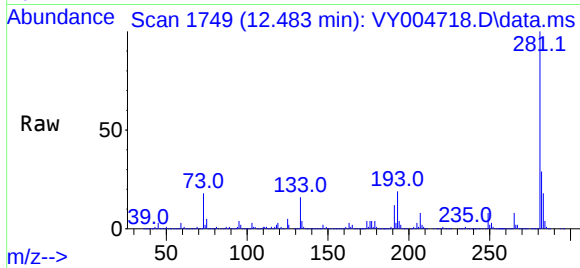


#62  
4-Bromofluorobenzene  
Concen: 46.53 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-050421

Tgt Ion: 95 Resp: 99731

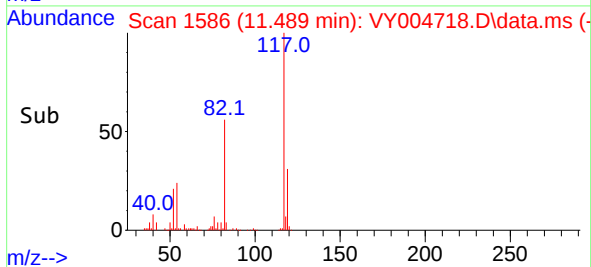
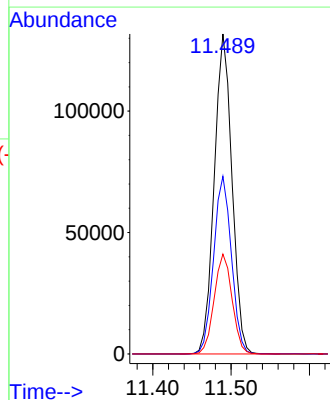
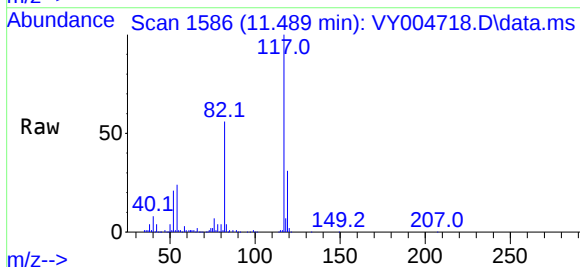
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 83.3  | 0.0   | 162.4 |
| 176 | 103.2 | 0.0   | 156.0 |

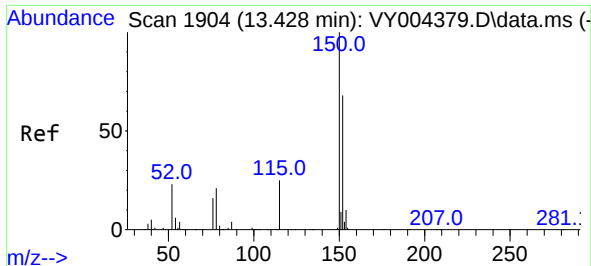


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Tgt Ion: 117 Resp: 207318

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.5  | 44.9  | 67.3  |
| 119 | 31.2  | 25.4  | 38.0  |

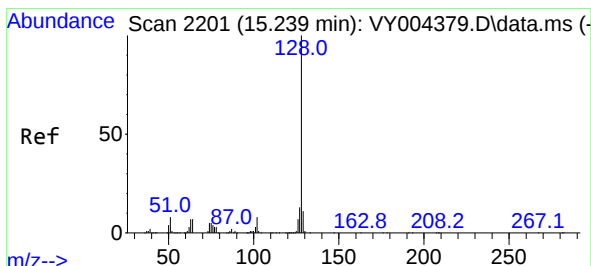
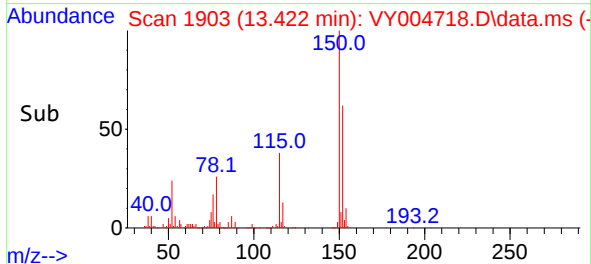
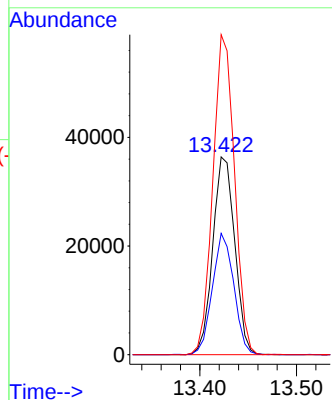
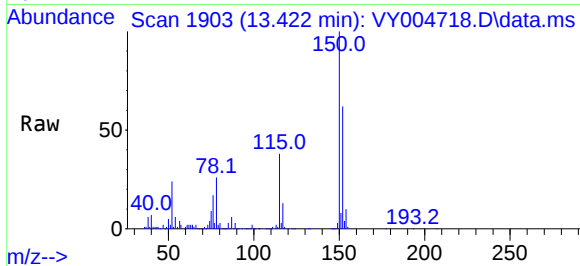




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

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Tgt Ion:152 Resp: 57503  
Ion Ratio Lower Upper  
152 100  
115 60.0 29.6 88.8  
150 159.2 0.0 348.4



#95  
Naphthalene  
Concen: 5.33 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY004718.D  
Acq: 04 May 2021 16:18

Tgt Ion:128 Resp: 12651  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.2 15.2  
129 12.8 8.8 13.2

