

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061421\  
 Data File : VU044213.D  
 Acq On : 15 Jun 2021 04:20  
 Operator : SY/MD  
 Sample : M2687-19  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DUP-02

Quant Time: Jun 15 05:02:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 05:11:37 2021  
 Response via : Initial Calibration

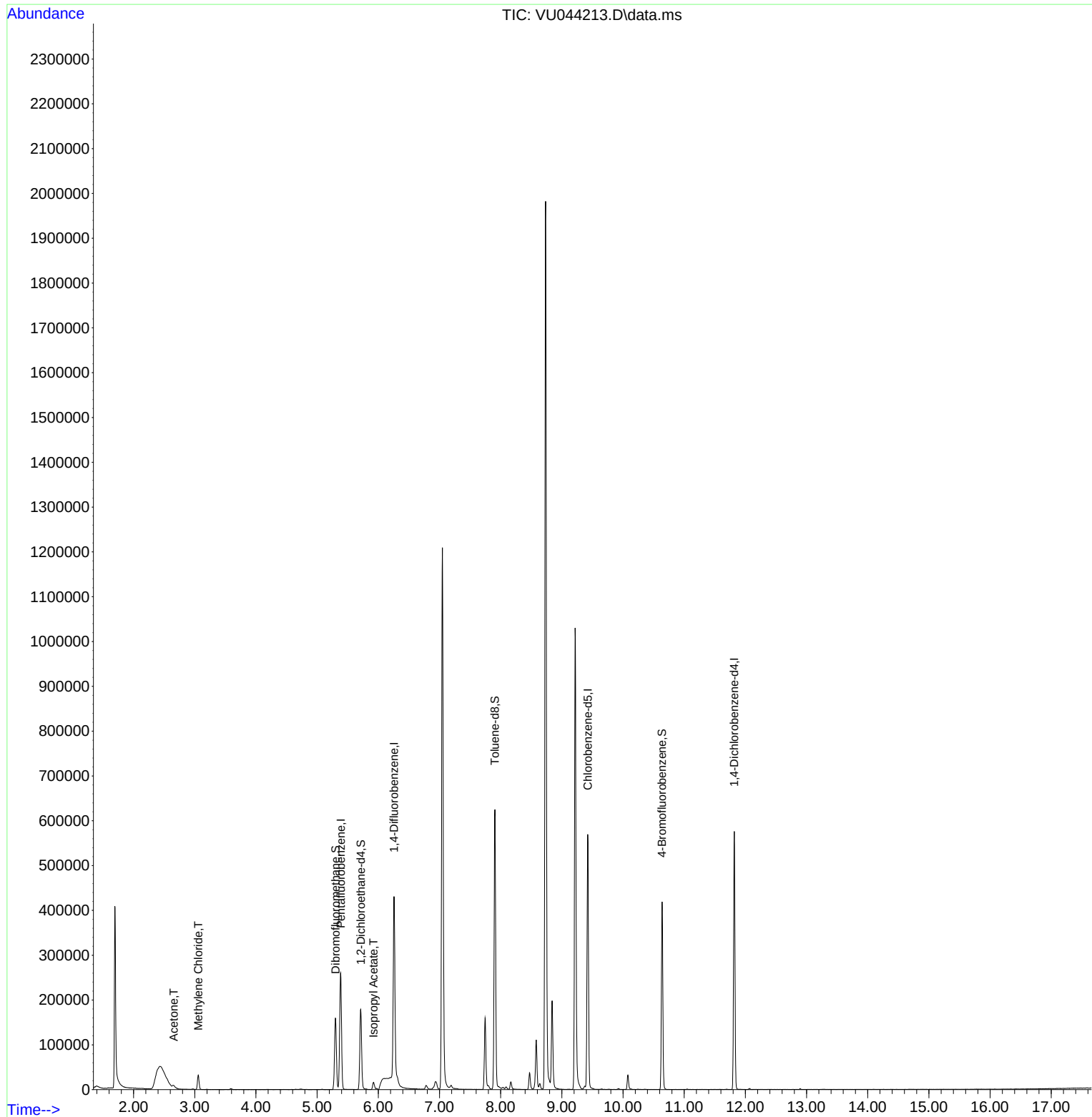
| Compound                    | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| -----                       |        |      |          |        |         |          |
| Internal Standards          |        |      |          |        |         |          |
| 1) Pentafluorobenzene       | 5.385  | 168  | 175918   | 50.000 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.256  | 114  | 324446   | 50.000 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.423  | 117  | 309413   | 50.000 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819 | 152  | 147505   | 50.000 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.713  | 65   | 132870   | 47.495 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 95.000% |          |
| 35) Dibromofluoromethane    | 5.301  | 113  | 104748   | 46.412 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 92.820% |          |
| 50) Toluene-d8              | 7.906  | 98   | 410698   | 47.383 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 94.760% |          |
| 62) 4-Bromofluorobenzene    | 10.639 | 95   | 145186   | 41.797 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 83.600% |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 16) Acetone                 | 2.658  | 43   | 11641    | 5.969  | ug/l    | 95       |
| 20) Methylene Chloride      | 3.057  | 84   | 15744    | 5.170  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 5.922  | 43   | 18333    | 2.989  | ug/l    | 96       |
| -----                       |        |      |          |        |         |          |

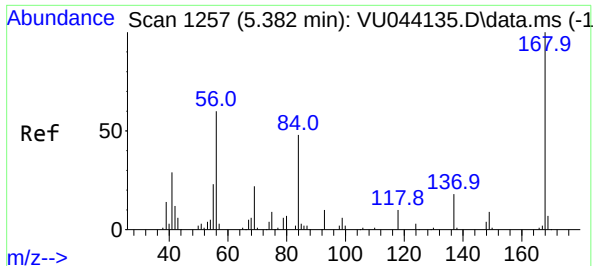
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 10 05:11:37 2021  
Response via : Initial Calibration

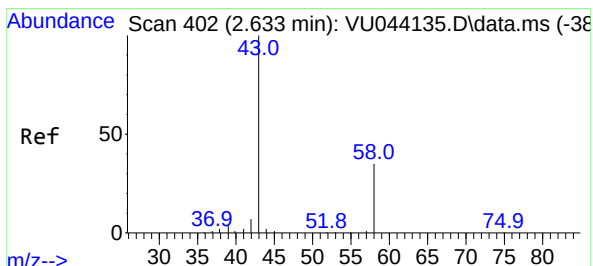
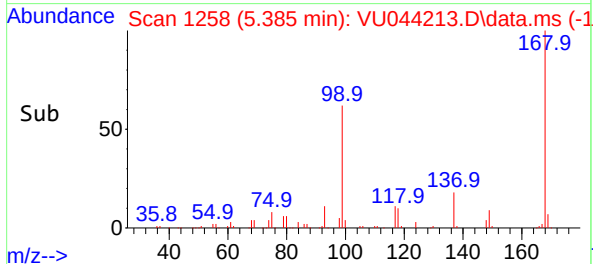
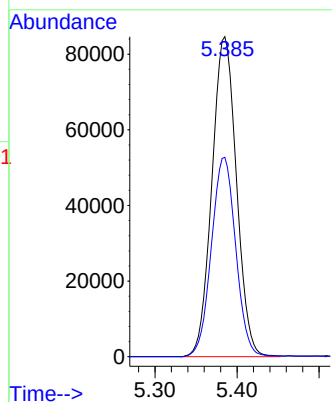
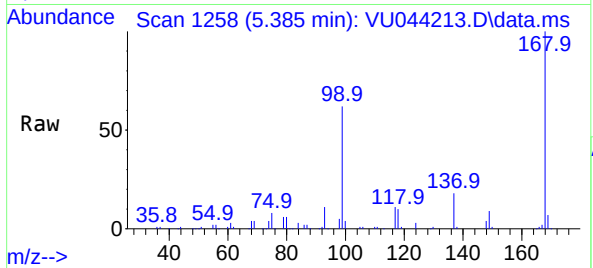




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. 0.003 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

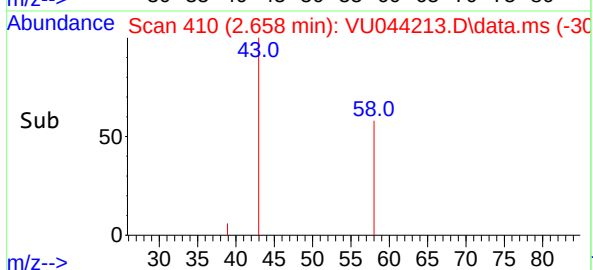
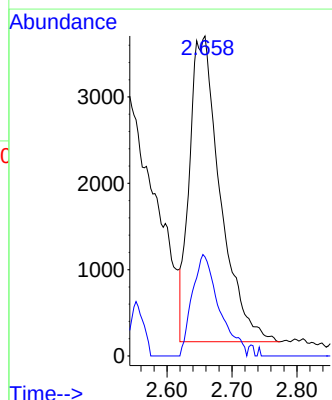
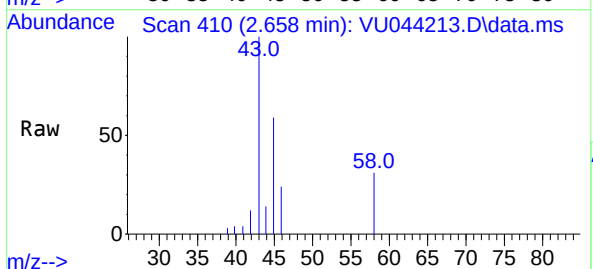
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP-02

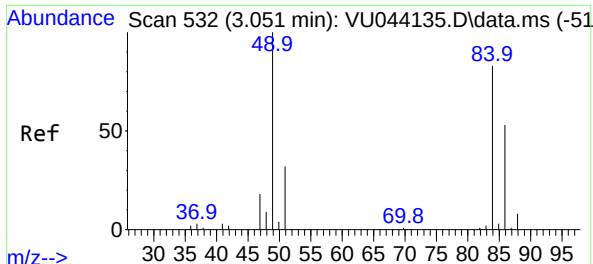
Tgt Ion:168 Resp: 175918  
Ion Ratio Lower Upper  
168 100  
99 62.3 51.3 76.9



#16  
Acetone  
Concen: 5.969 ug/l  
RT: 2.658 min Scan# 410  
Delta R.T. 0.025 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

Tgt Ion: 43 Resp: 11641  
Ion Ratio Lower Upper  
43 100  
58 32.4 28.0 42.0



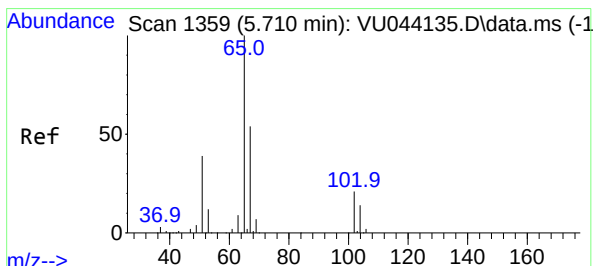
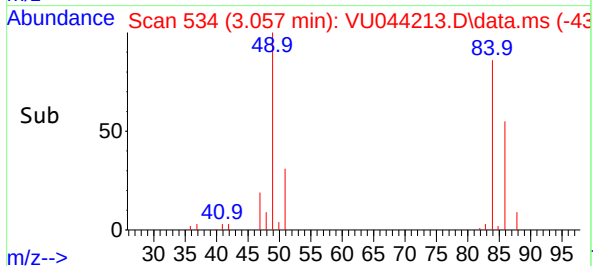
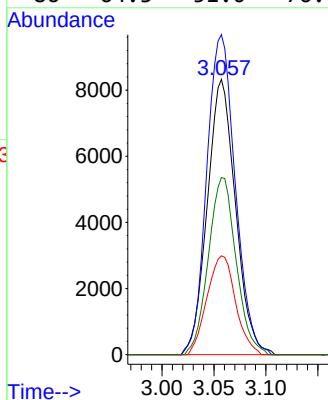
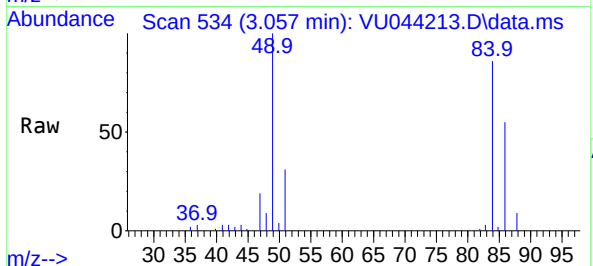


#20  
Methylene Chloride  
Concen: 5.170 ug/l  
RT: 3.057 min Scan# 534  
Delta R.T. 0.006 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP-02

Tgt Ion: 84 Resp: 15744

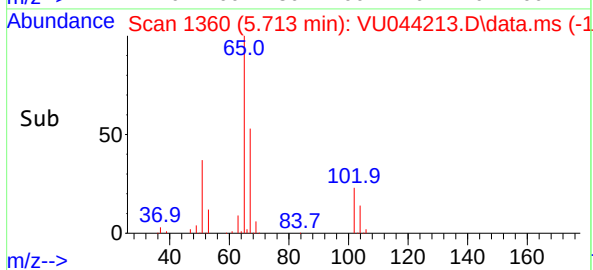
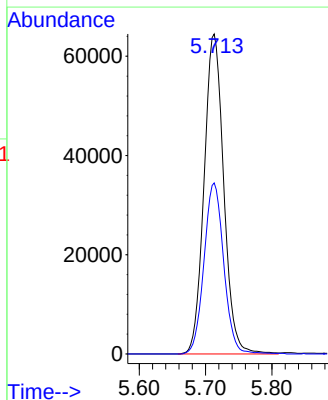
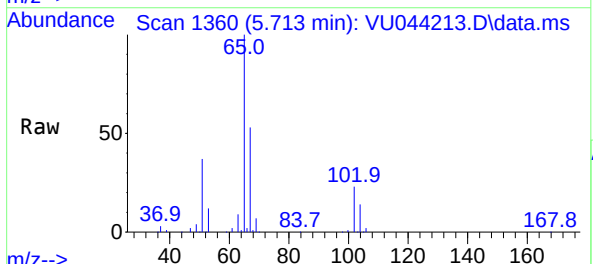
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 116.2 | 96.9  | 145.3 |
| 51  | 35.9  | 31.0  | 46.6  |
| 86  | 64.3  | 51.0  | 76.6  |

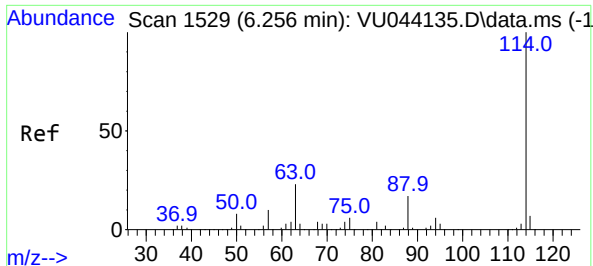


#33  
1,2-Dichloroethane-d4  
Concen: 47.495 ug/l  
RT: 5.713 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

Tgt Ion: 65 Resp: 132870

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.7  | 0.0   | 106.6 |

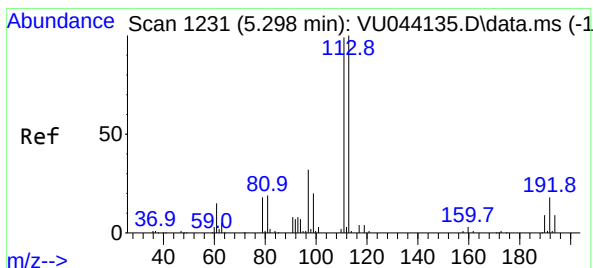
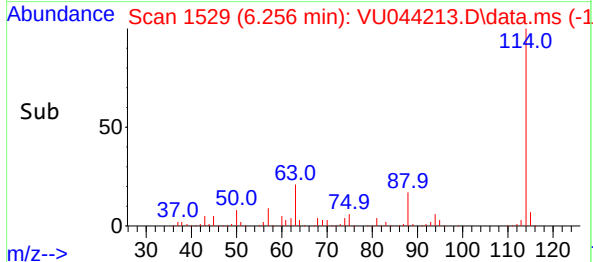
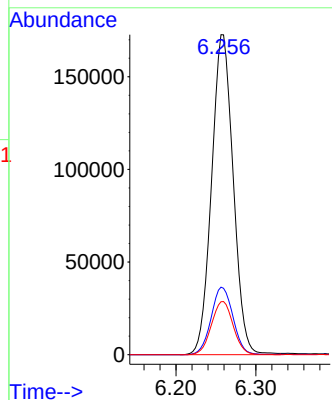
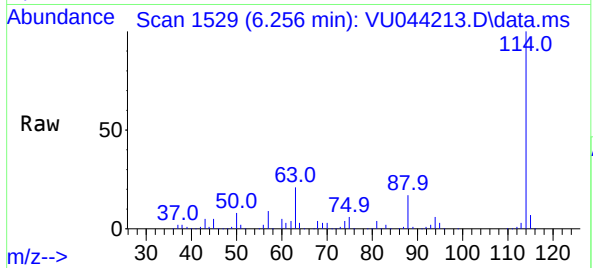




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.256 min Scan# 1529  
Delta R.T. 0.000 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

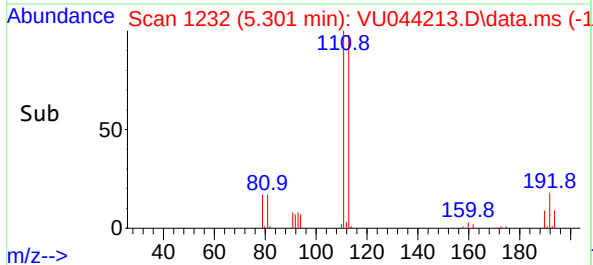
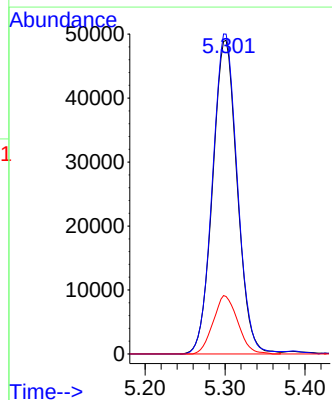
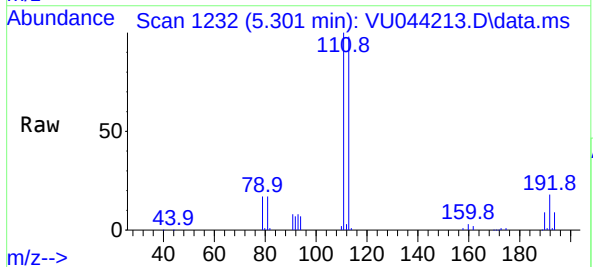
Instrument :  
MSVOA\_U  
ClientSampleId :  
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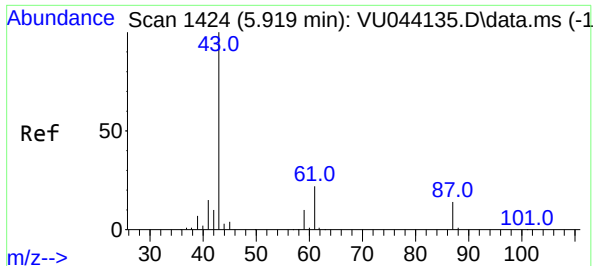
Tgt Ion:114 Resp: 324446  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 45.8  
88 16.5 0.0 34.0



#35  
Dibromofluoromethane  
Concen: 46.412 ug/l  
RT: 5.301 min Scan# 1232  
Delta R.T. 0.003 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

Tgt Ion:113 Resp: 104748  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.0 121.4  
192 18.6 14.3 21.5

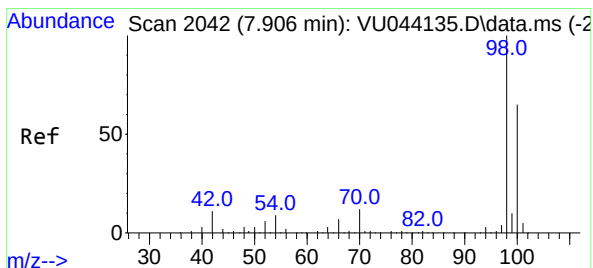
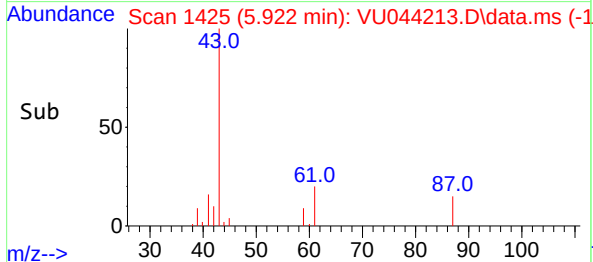
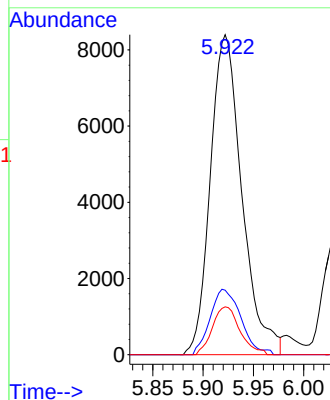
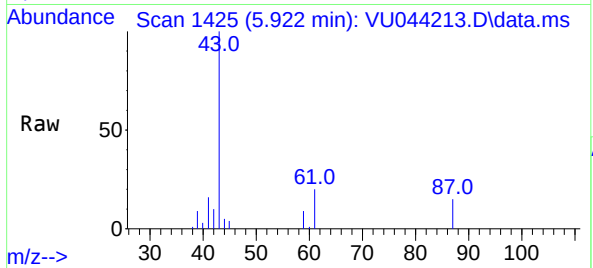




#43  
Isopropyl Acetate  
Concen: 2.989 ug/l  
RT: 5.922 min Scan# 1425  
Delta R.T. 0.003 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

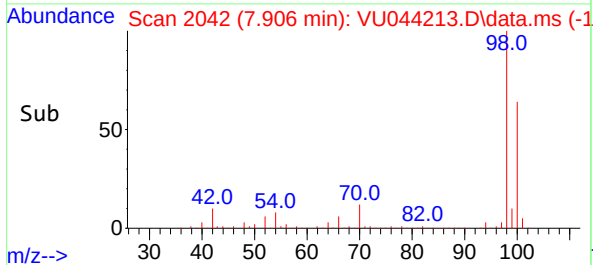
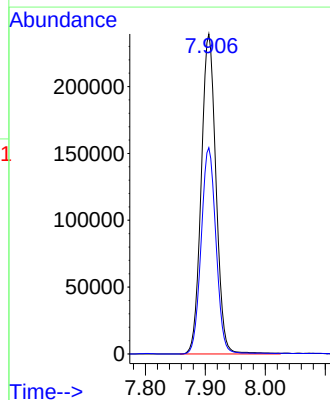
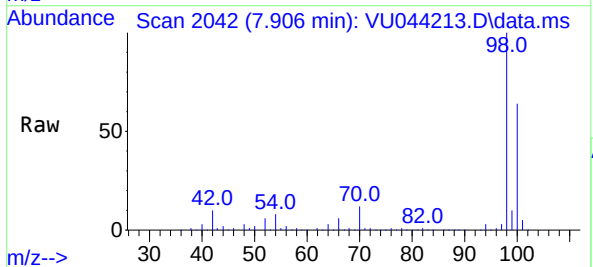
Instrument :  
MSVOA\_U  
ClientSampled :  
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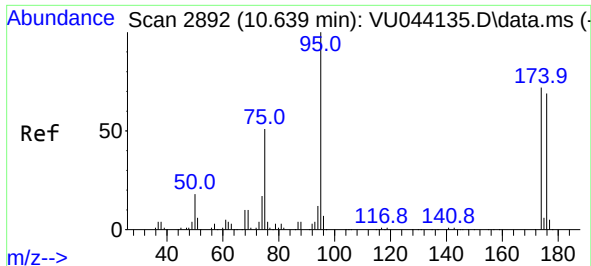
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 18333 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 20.0     | 17.8 26.8   |
| 87 13.1     | 11.1 16.7   |



#50  
Toluene-d8  
Concen: 47.383 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 410698 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 64.7    | 52.2 78.4    |

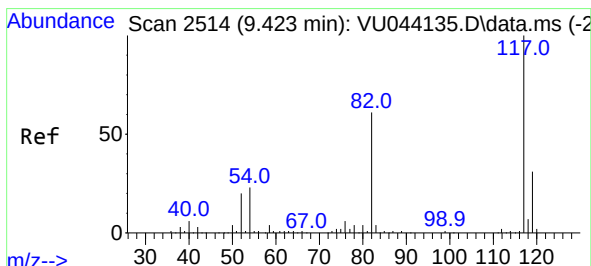
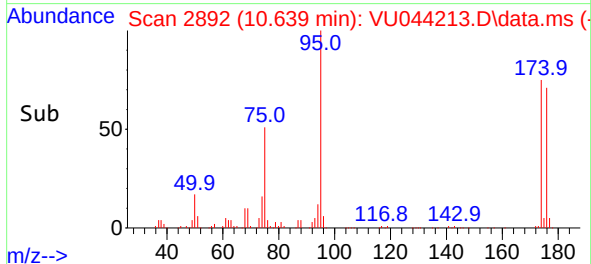
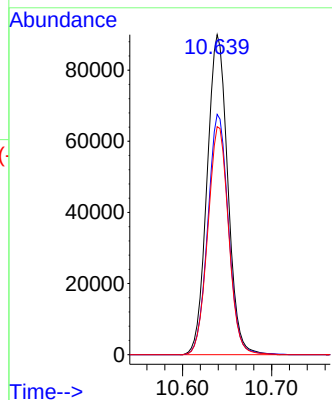
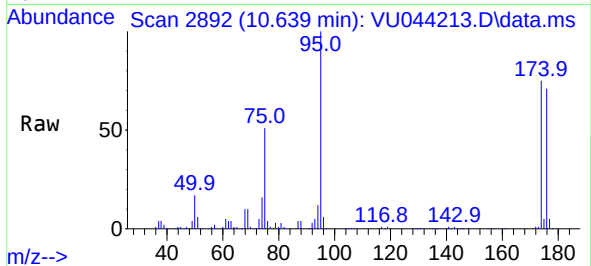




#62  
4-Bromofluorobenzene  
Concen: 41.797 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

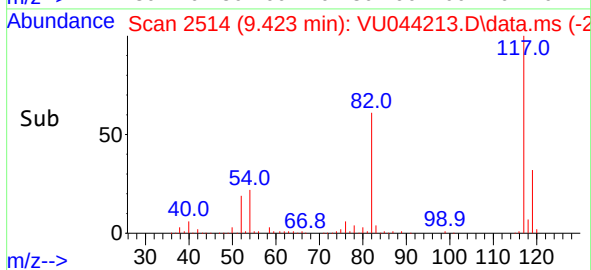
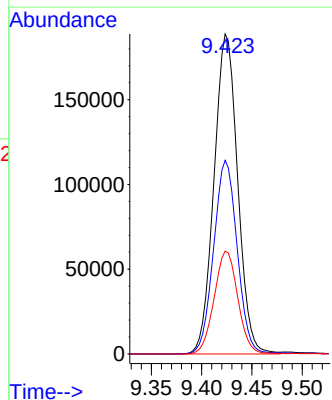
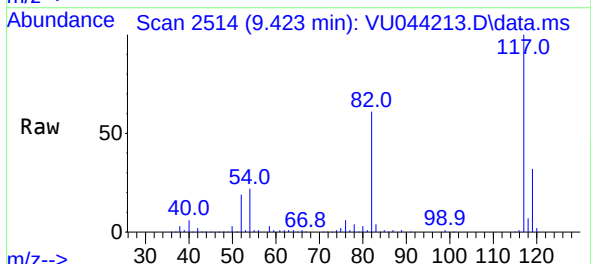
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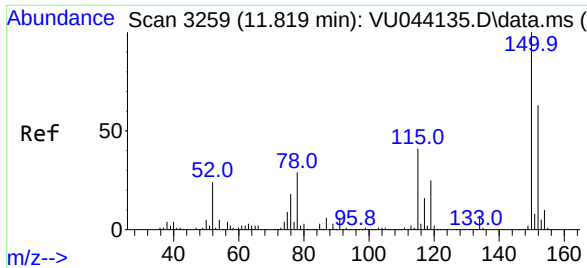
Tgt Ion: 95 Resp: 145186  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 144.4  
176 71.4 0.0 138.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.000 min  
Lab File: VU044213.D  
Acq: 15 Jun 2021 04:20

Tgt Ion: 117 Resp: 309413  
Ion Ratio Lower Upper  
117 100  
82 60.4 48.8 73.2  
119 32.2 25.0 37.6





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU044213.D  
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Tgt Ion:152 Resp: 147505  
Ion Ratio Lower Upper  
152 100  
115 61.1 43.8 131.3  
150 158.1 0.0 350.6

