

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102621\  
 Data File : VN069161.D  
 Acq On : 25 Oct 2021 19:24  
 Operator : JC/MD  
 Sample : M4284-04  
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 16943

Quant Time: Oct 26 01:36:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

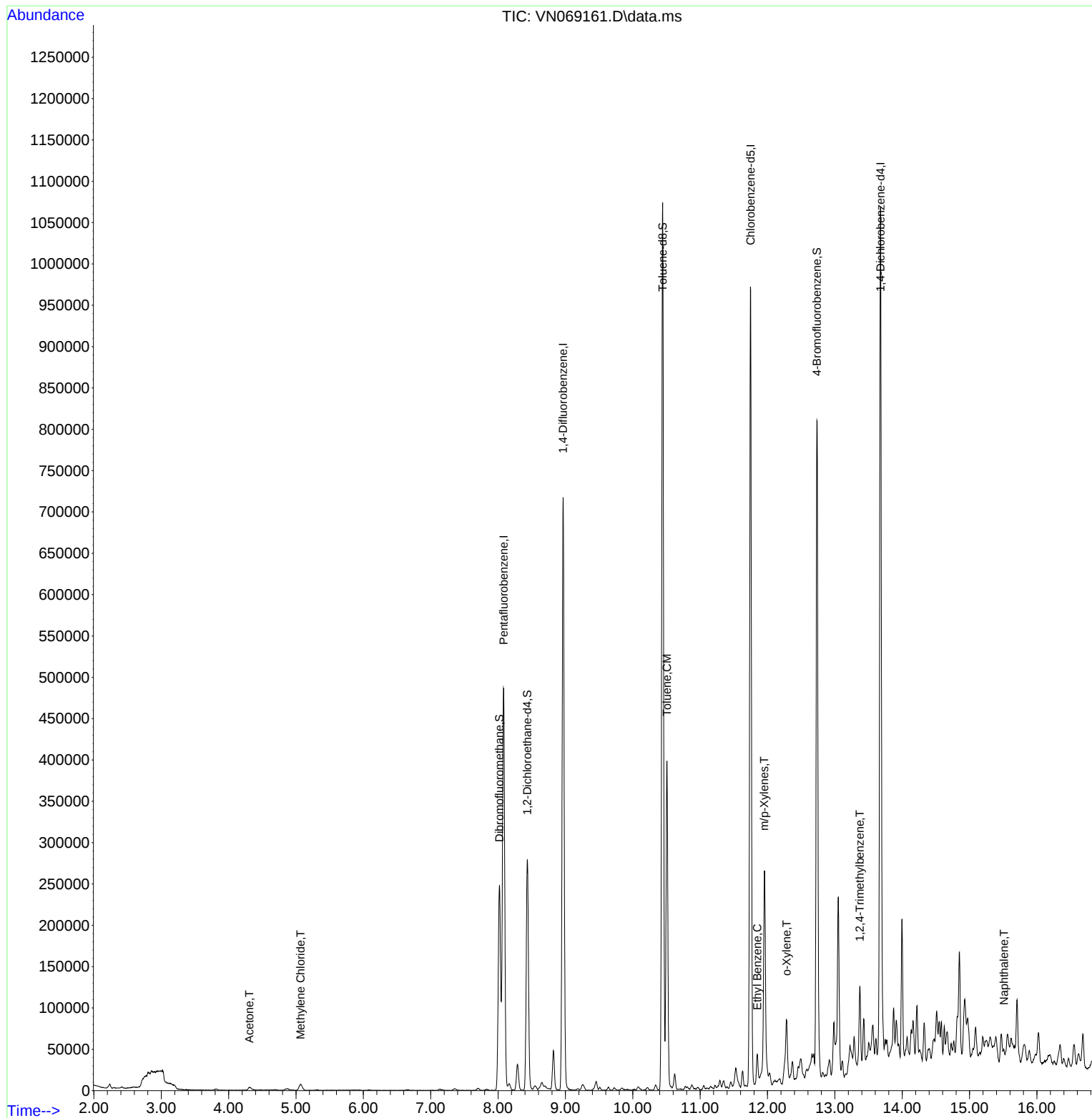
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.083  | 168   | 365227   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965  | 114   | 640188   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.749 | 117   | 570789   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678 | 152   | 267758   | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 240913   | 50.030   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 100.060% |          |
| 35) Dibromofluoromethane    | 8.019  | 113   | 184294   | 49.479   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 98.960%  |          |
| 50) Toluene-d8              | 10.443 | 98    | 768737   | 51.583   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 103.160% |          |
| 62) 4-Bromofluorobenzene    | 12.734 | 95    | 287245   | 51.086   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 102.180% |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.309  | 43    | 7447     | 4.144    | ug/l       | 95       |
| 20) Methylene Chloride      | 5.068  | 84    | 6672     | 1.613    | ug/l       | 95       |
| 52) Toluene                 | 10.508 | 92    | 172110   | 16.066   | ug/l       | 97       |
| 67) Ethyl Benzene           | 11.848 | 91    | 25035    | 1.248    | ug/l       | 96       |
| 68) m/p-Xylenes             | 11.953 | 106   | 46613    | 6.129    | ug/l       | 100      |
| 69) o-Xylene                | 12.283 | 106   | 18550    | 2.437    | ug/l       | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.372 | 105   | 56972    | 3.185    | ug/l       | 98       |
| 95) Naphthalene             | 15.509 | 128   | 9195     | 4.495    | ug/l #     | 85       |
| -----                       |        |       |          |          |            |          |

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

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Sample : M4284-04  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

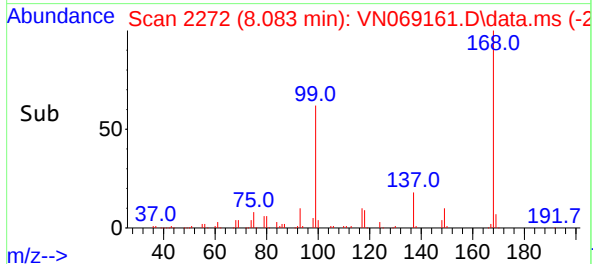
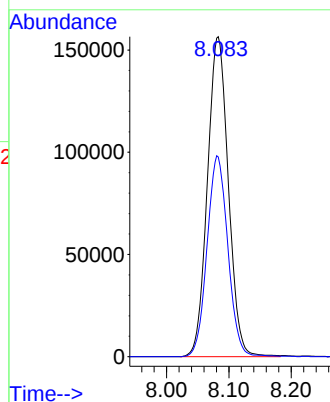
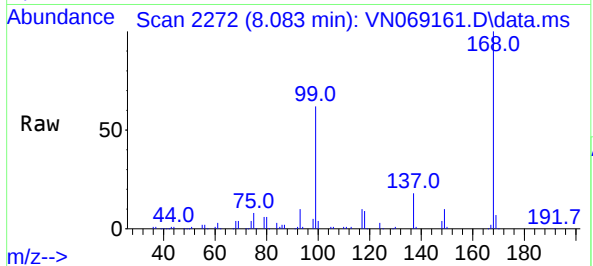




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.083 min Scan# 2272  
Delta R.T. -0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

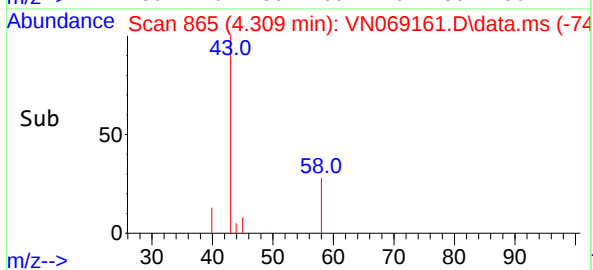
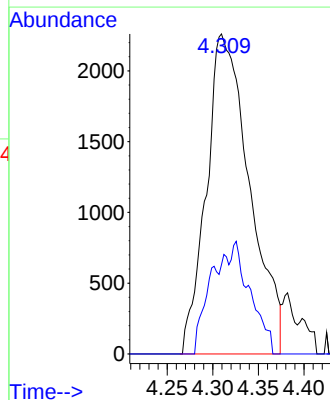
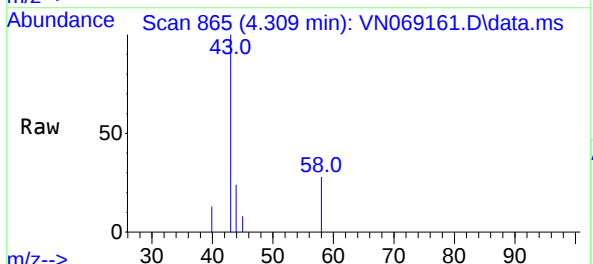
Instrument :  
MSVOA\_N  
ClientSampled :  
16943

Tgt Ion:168 Resp: 365227  
Ion Ratio Lower Upper  
168 100  
99 62.4 48.9 73.3



#16  
Acetone  
Concen: 4.144 ug/l  
RT: 4.309 min Scan# 865  
Delta R.T. 0.024 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion: 43 Resp: 7447  
Ion Ratio Lower Upper  
43 100  
58 27.9 24.5 36.7



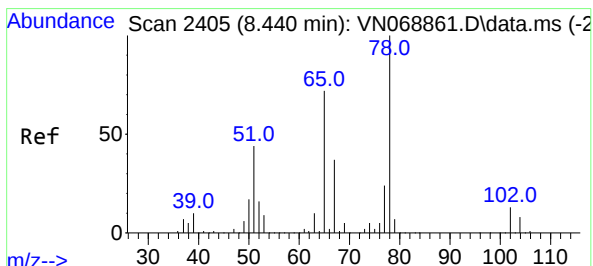
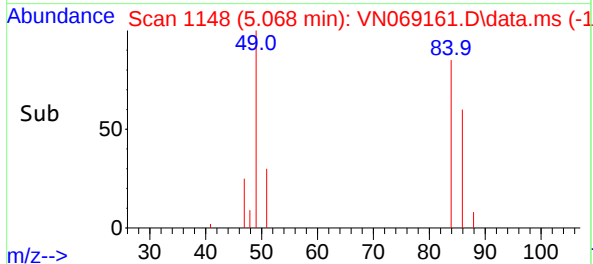
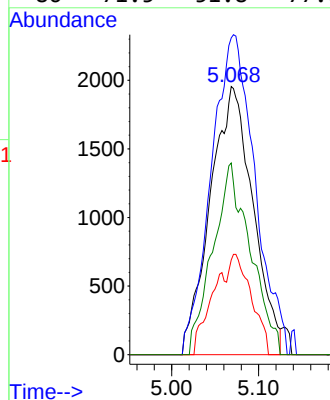
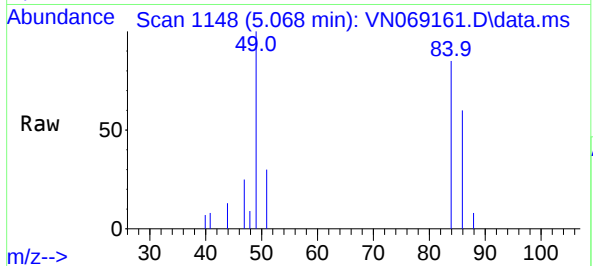


#20  
Methylene Chloride  
Concen: 1.613 ug/l  
RT: 5.068 min Scan# 1148  
Delta R.T. -0.027 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Instrument :  
MSVOA\_N  
ClientSampled :  
16943

Tgt Ion: 84 Resp: 6672

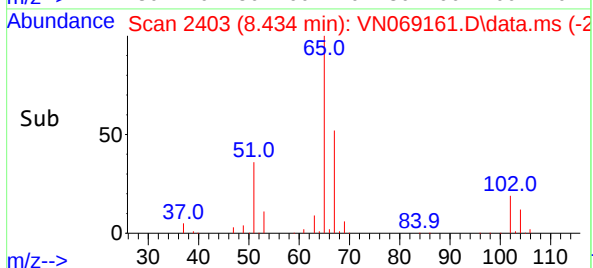
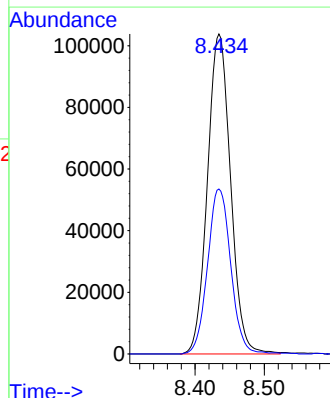
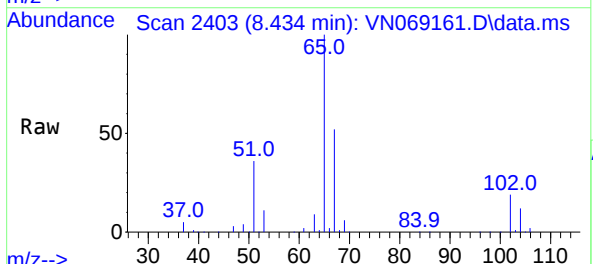
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 118.2 | 97.6  | 146.4 |
| 51  | 35.3  | 30.3  | 45.5  |
| 86  | 71.5  | 51.8  | 77.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.030 ug/l  
RT: 8.434 min Scan# 2403  
Delta R.T. -0.005 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion: 65 Resp: 240913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.7  | 0.0   | 103.8 |

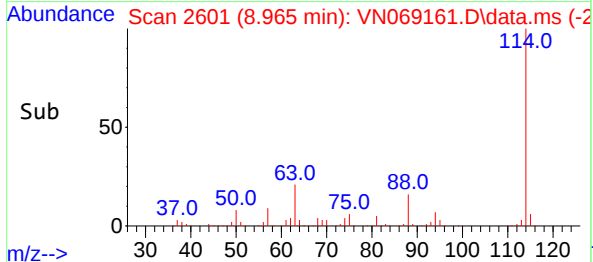
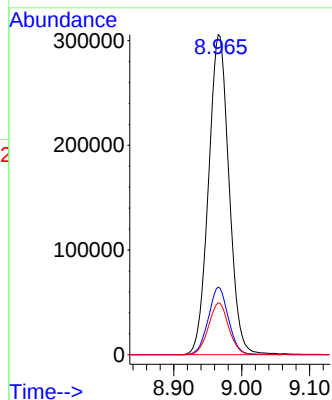
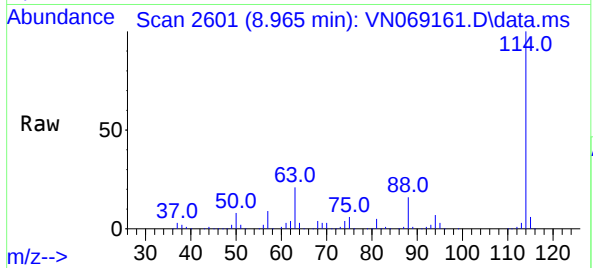




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.965 min Scan# 2601  
Delta R.T. -0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

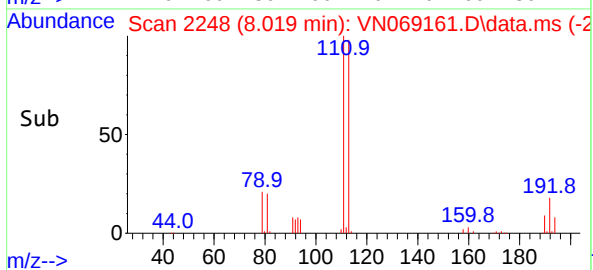
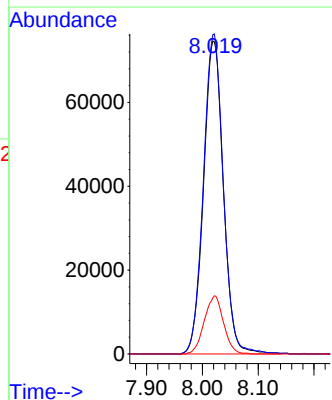
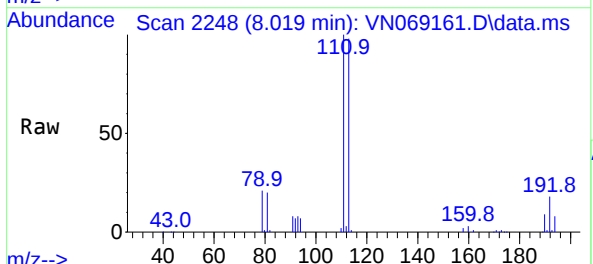
Instrument :  
MSVOA\_N  
ClientSampleId :  
16943

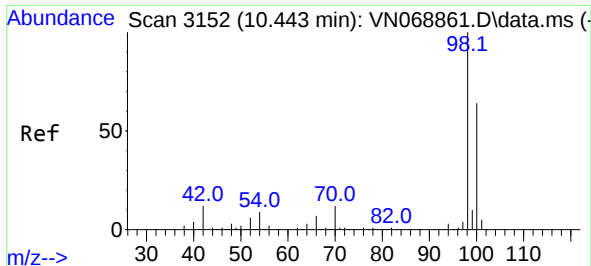
Tgt Ion:114 Resp: 640188  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 42.6  
88 16.2 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 49.479 ug/l  
RT: 8.019 min Scan# 2248  
Delta R.T. -0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion:113 Resp: 184294  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.2 124.8  
192 18.0 15.0 22.4

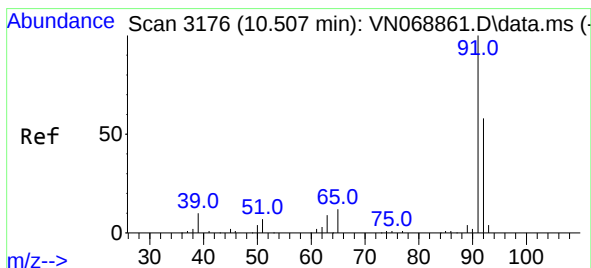
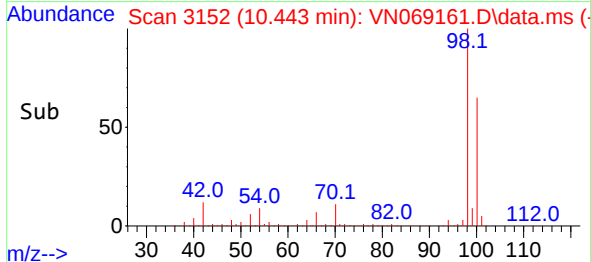
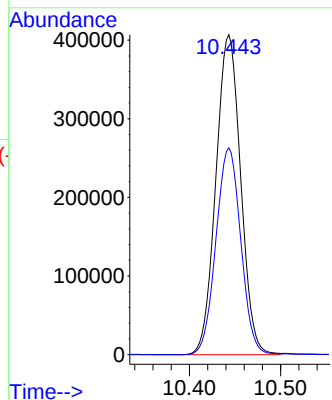
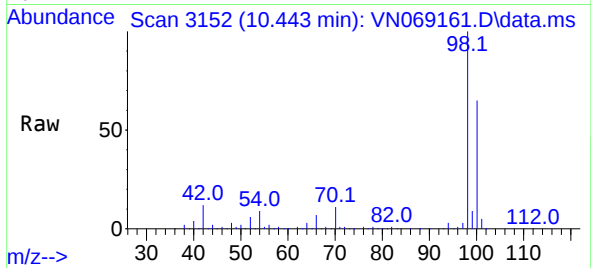




#50  
Toluene-d8  
Concen: 51.583 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

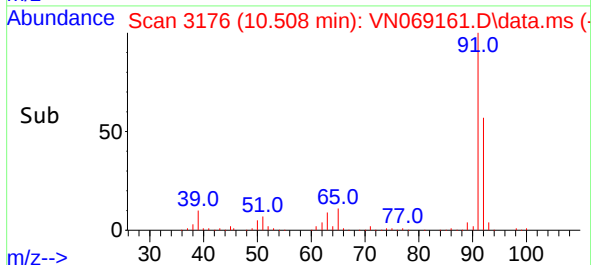
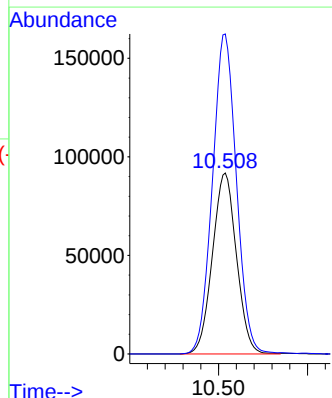
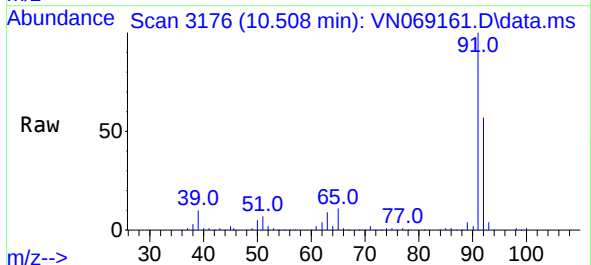
Instrument :  
MSVOA\_N  
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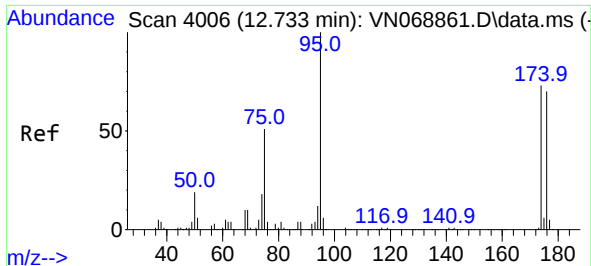
Tgt Ion: 98 Resp: 768737  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.5 77.3



#52  
Toluene  
Concen: 16.066 ug/l  
RT: 10.508 min Scan# 3176  
Delta R.T. 0.000 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion: 92 Resp: 172110  
Ion Ratio Lower Upper  
92 100  
91 176.6 138.5 207.7

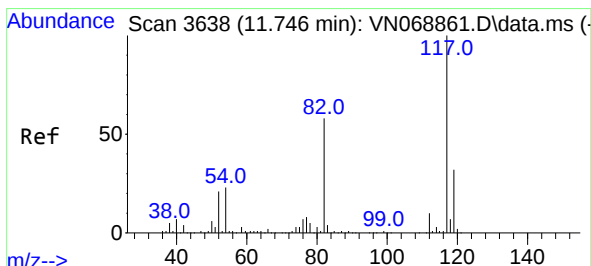
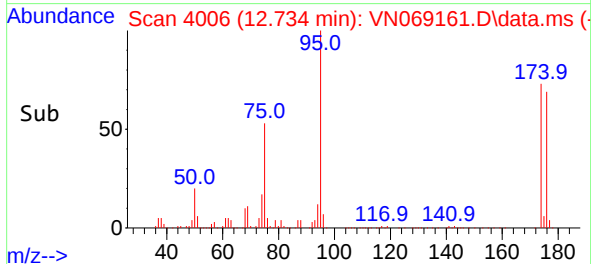
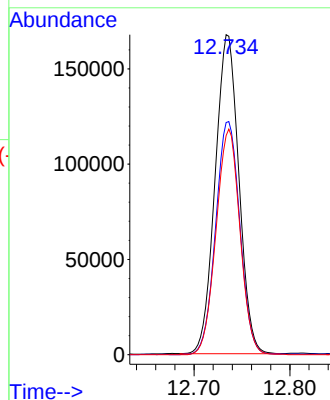
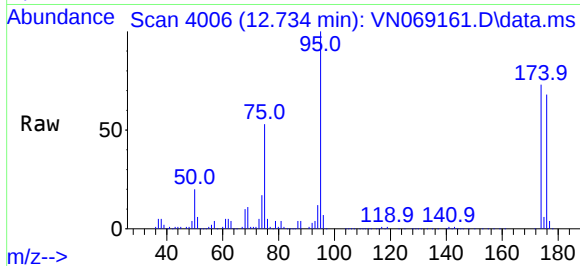




#62  
4-Bromofluorobenzene  
Concen: 51.086 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

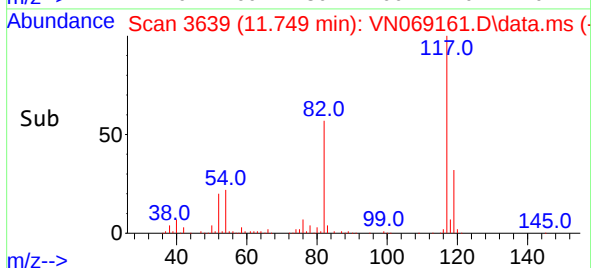
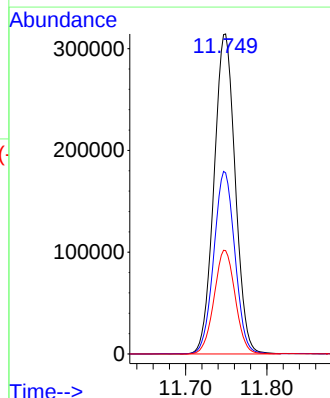
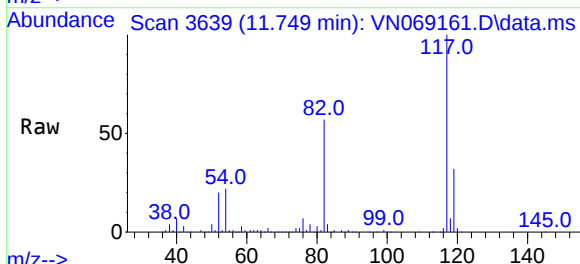
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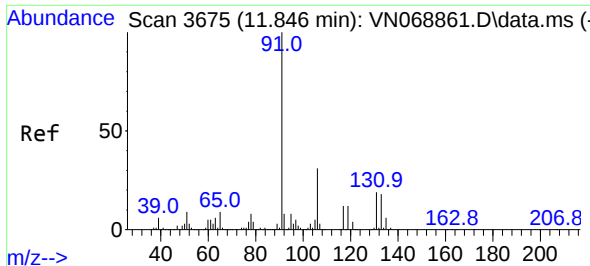
Tgt Ion: 95 Resp: 287245  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 144.8  
176 71.2 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion: 117 Resp: 570789  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.4 69.6  
119 32.3 26.0 39.0

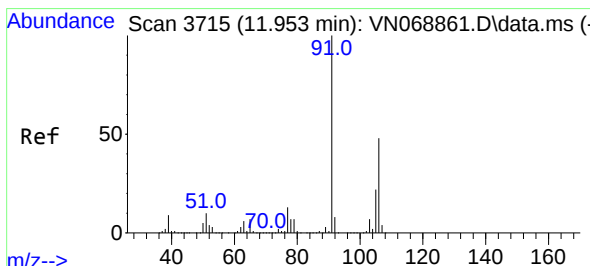
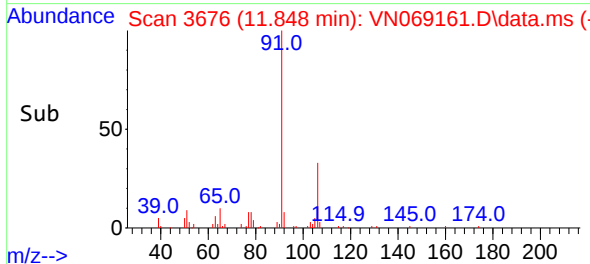
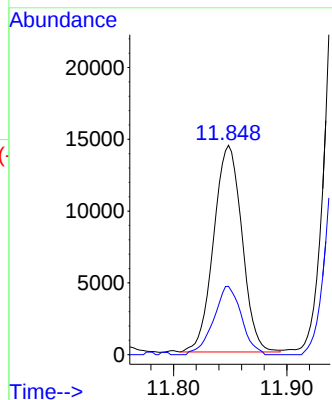
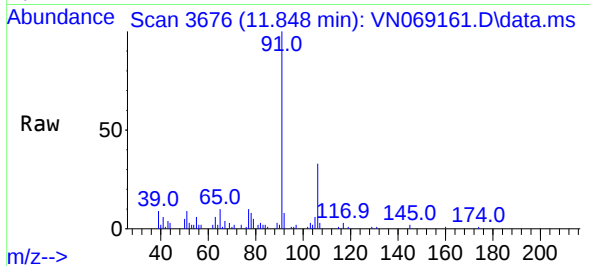




#67  
Ethyl Benzene  
Concen: 1.248 ug/l  
RT: 11.848 min Scan# 3676  
Delta R.T. 0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

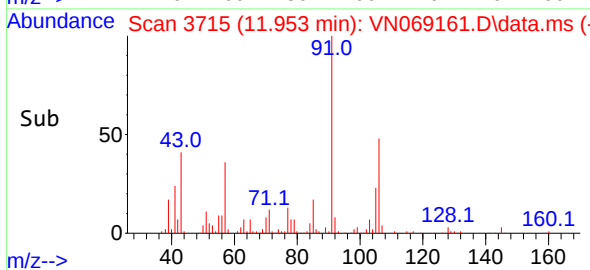
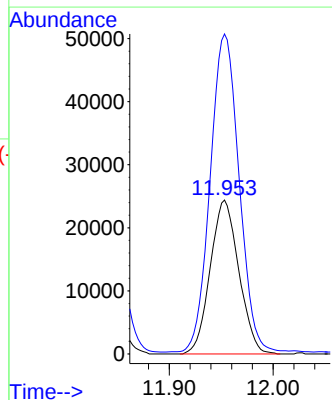
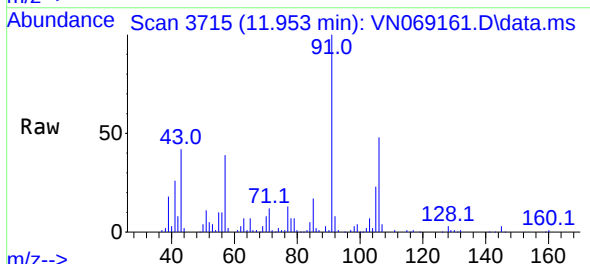
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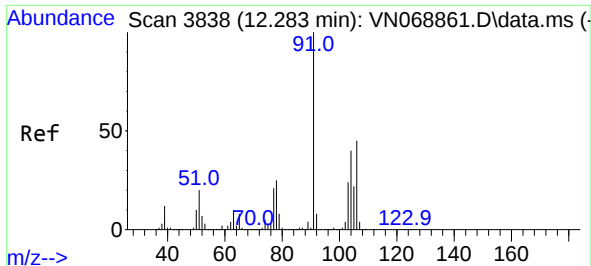
Tgt Ion: 91 Resp: 25035  
Ion Ratio Lower Upper  
91 100  
106 33.0 24.8 37.2



#68  
m/p-Xylenes  
Concen: 6.129 ug/l  
RT: 11.953 min Scan# 3715  
Delta R.T. 0.000 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion:106 Resp: 46613  
Ion Ratio Lower Upper  
106 100  
91 208.2 166.8 250.2

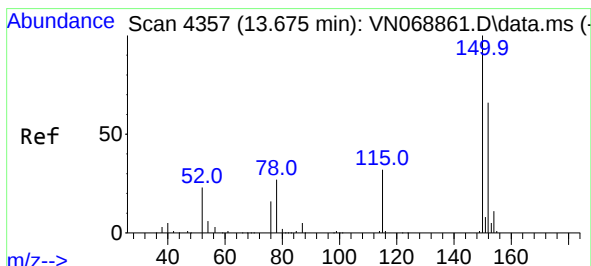
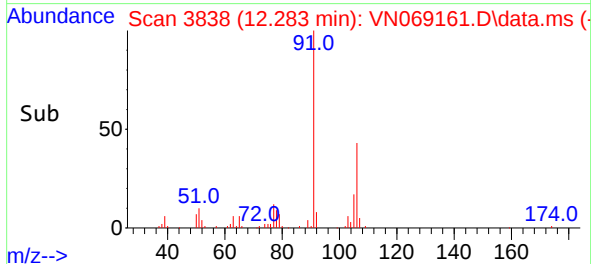
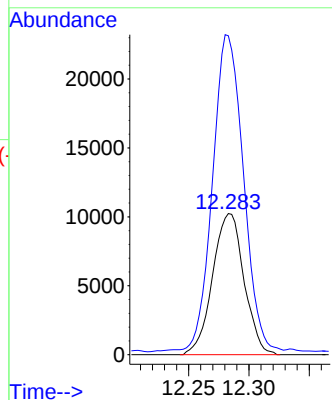
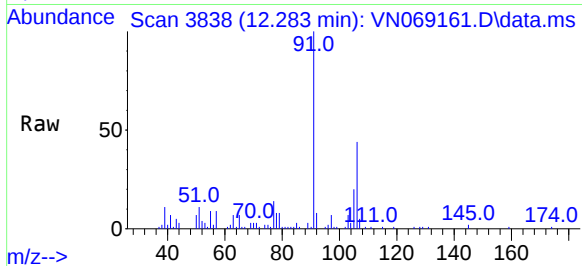




#69  
o-Xylene  
Concen: 2.437 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

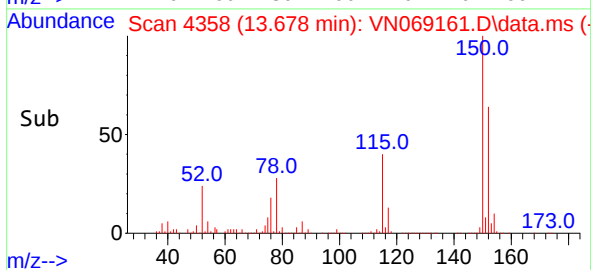
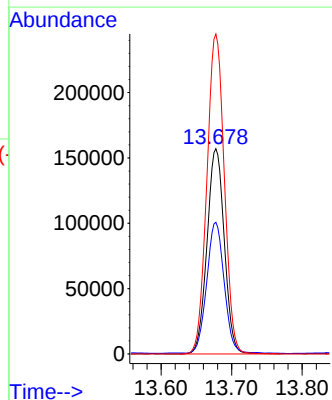
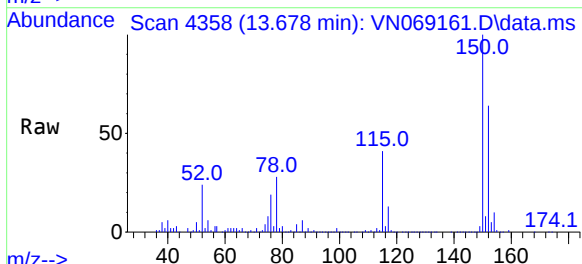
Instrument :  
MSVOA\_N  
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16943

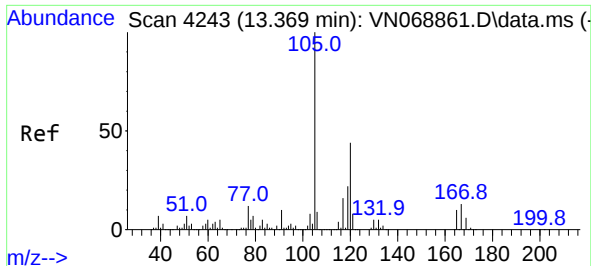
Tgt Ion:106 Resp: 18550  
Ion Ratio Lower Upper  
106 100  
91 220.8 109.6 328.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion:152 Resp: 267758  
Ion Ratio Lower Upper  
152 100  
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150 156.9 0.0 351.0

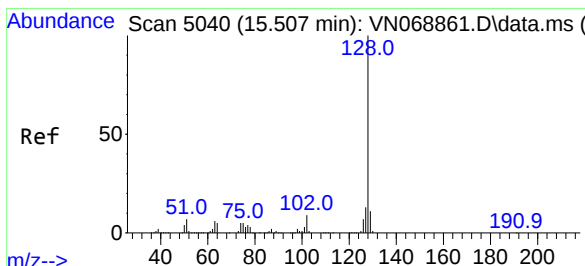
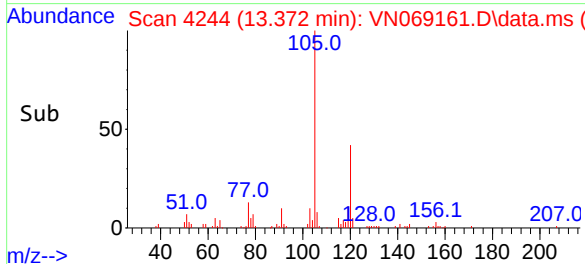
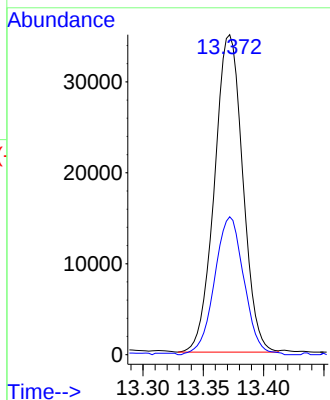
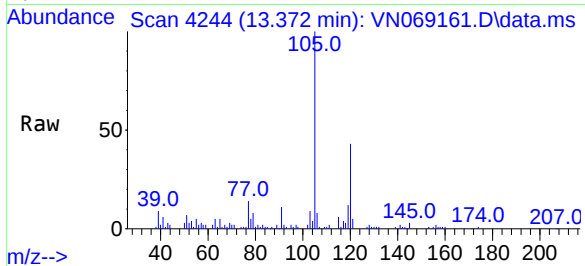




#84  
1,2,4-Trimethylbenzene  
Concen: 3.185 ug/l  
RT: 13.372 min Scan# 4244  
Delta R.T. 0.003 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Instrument :  
MSVOA\_N  
ClientSampled :  
16943

Tgt Ion:105 Resp: 56972  
Ion Ratio Lower Upper  
105 100  
120 45.1 21.9 65.5



#95  
Naphthalene  
Concen: 4.495 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN069161.D  
Acq: 25 Oct 2021 19:24

Tgt Ion:128 Resp: 9195  
Ion Ratio Lower Upper  
128 100  
127 8.7 10.5 15.7#  
129 3.3 8.9 13.3#

