

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030121\  
 Data File : VN066088.D  
 Acq On : 1 Mar 2021 19:51  
 Operator : JC/MD  
 Sample : M1488-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41700

Quant Time: Mar 01 21:46:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

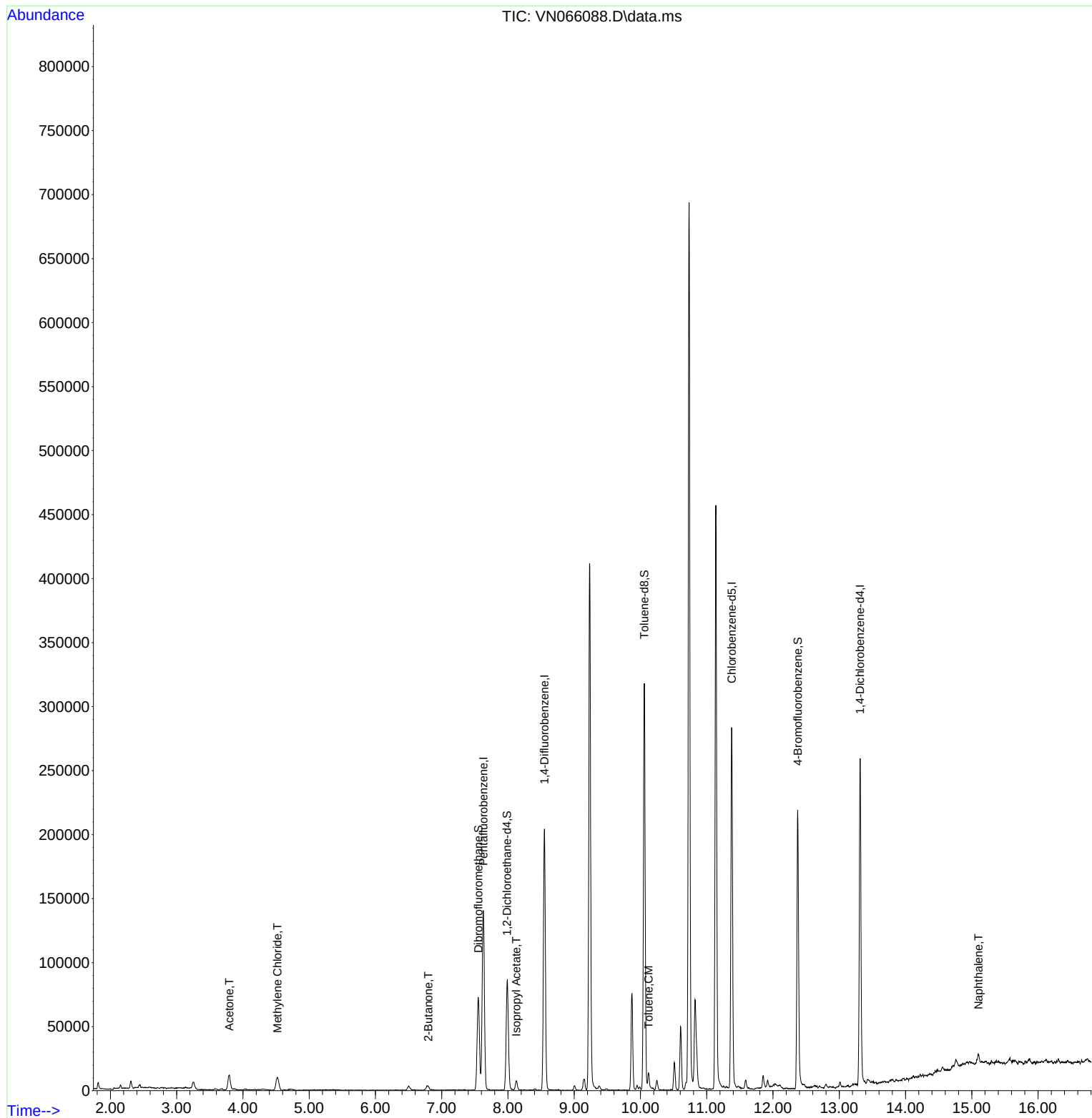
| Compound                    | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|--------|--------|----------|
| -----                       |                |      |            |        |        |          |
| Internal Standards          |                |      |            |        |        |          |
| 1) Pentafluorobenzene       | 7.627          | 168  | 112824     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.550          | 114  | 185309     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.376         | 117  | 169203     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.315         | 152  | 73064      | 50.00  | ug/l   | 0.00     |
|                             |                |      |            |        |        |          |
| System Monitoring Compounds |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.987          | 65   | 78567      | 49.80  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 99.60% |        |          |
| 35) Dibromofluoromethane    | 7.553          | 113  | 56659      | 49.40  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 98.80% |        |          |
| 50) Toluene-d8              | 10.058         | 98   | 225260     | 47.85  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 95.70% |        |          |
| 62) 4-Bromofluorobenzene    | 12.373         | 95   | 83521      | 47.26  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 94.52% |        |          |
|                             |                |      |            |        |        |          |
| Target Compounds            |                |      |            |        | Qvalue |          |
| 16) Acetone                 | 3.795          | 43   | 20812      | 40.65  | ug/l   | 91       |
| 20) Methylene Chloride      | 4.521          | 84   | 8433       | 5.76   | ug/l   | 98       |
| 25) 2-Butanone              | 6.798          | 43   | 4136       | 5.30   | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.126          | 43   | 8619       | 3.28   | ug/l # | 90       |
| 52) Toluene                 | 10.122         | 92   | 5775       | 1.68   | ug/l   | 99       |
| 95) Naphthalene             | 15.100         | 128  | 6301       | 4.45   | ug/l   | 100      |
| -----                       |                |      |            |        |        |          |

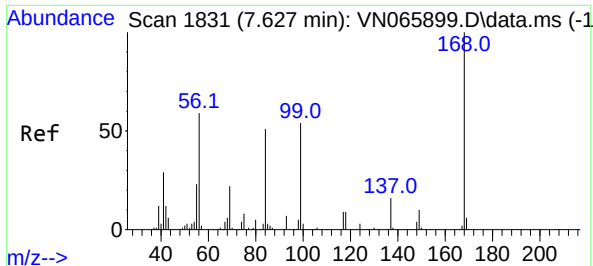
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

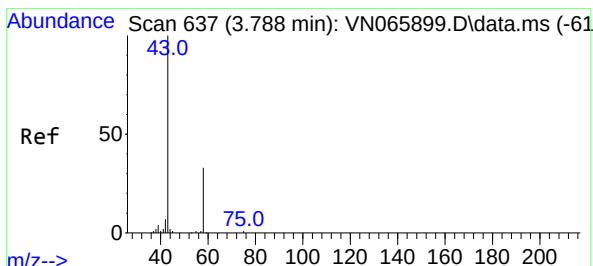
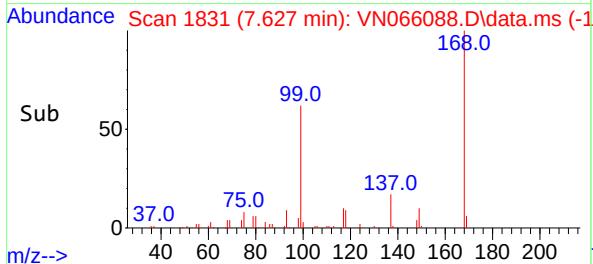
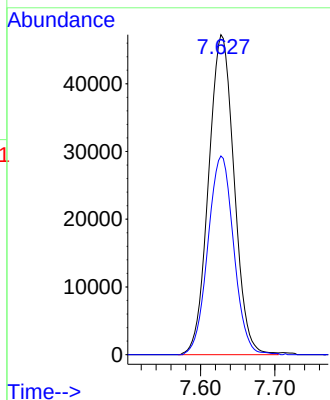
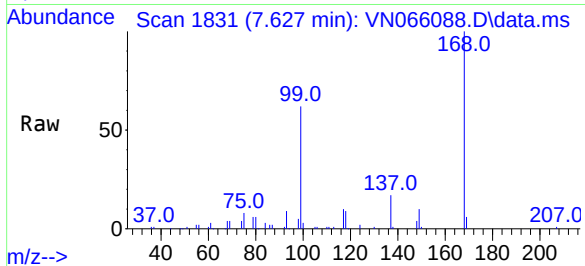




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

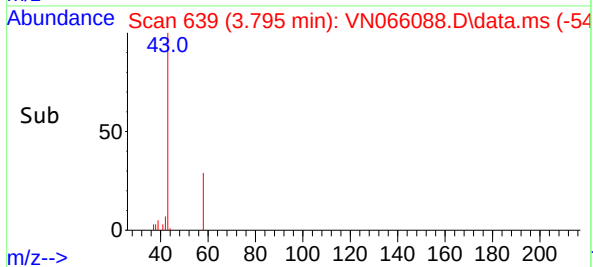
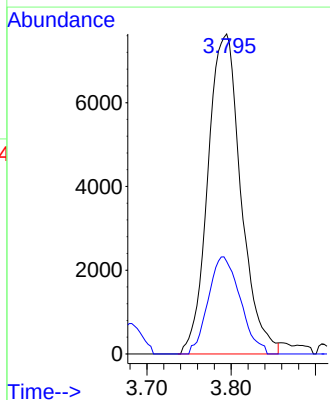
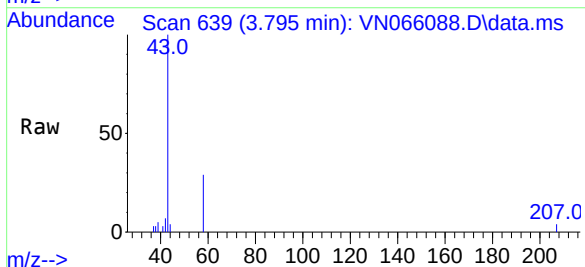
Instrument :  
MSVOA\_N  
ClientSampled :  
41700

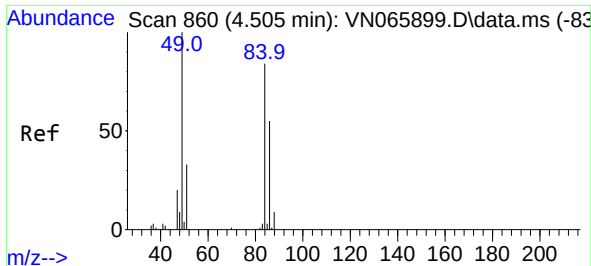
Tgt Ion:168 Resp: 112824  
Ion Ratio Lower Upper  
168 100  
99 62.1 42.6 63.8



#16  
Acetone  
Concen: 40.65 ug/l  
RT: 3.795 min Scan# 639  
Delta R.T. 0.007 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion: 43 Resp: 20812  
Ion Ratio Lower Upper  
43 100  
58 28.9 27.0 40.6



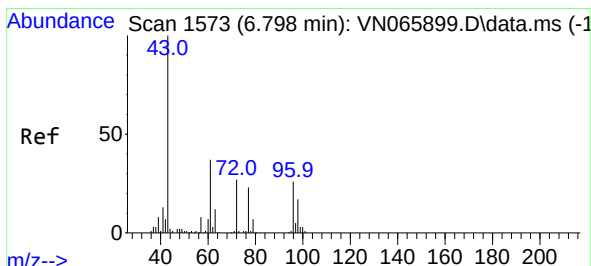
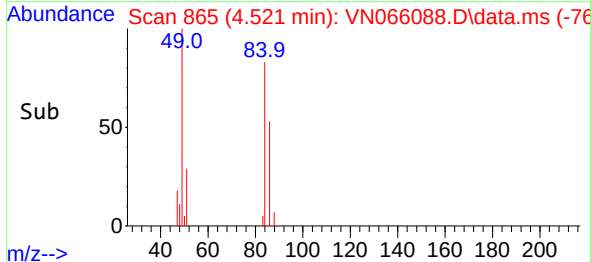
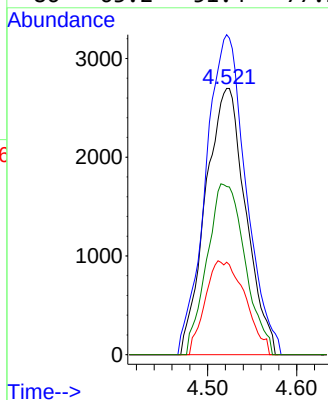
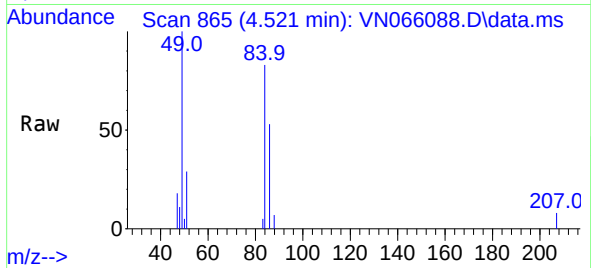


#20  
Methylene Chloride  
Concen: 5.76 ug/l  
RT: 4.521 min Scan# 865  
Delta R.T. 0.016 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Instrument :  
MSVOA\_N  
ClientSampled :  
41700

Tgt Ion: 84 Resp: 8433

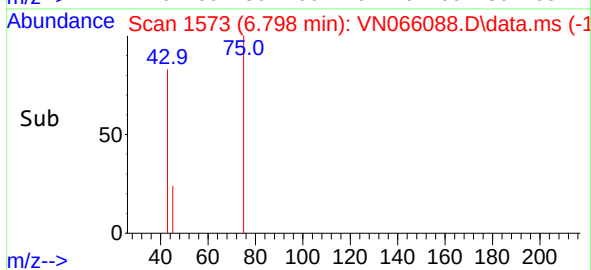
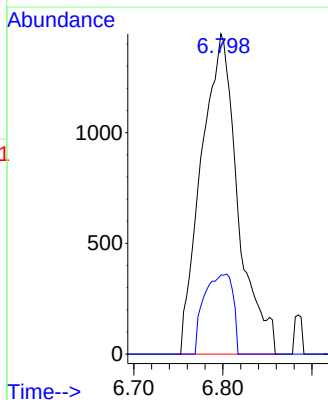
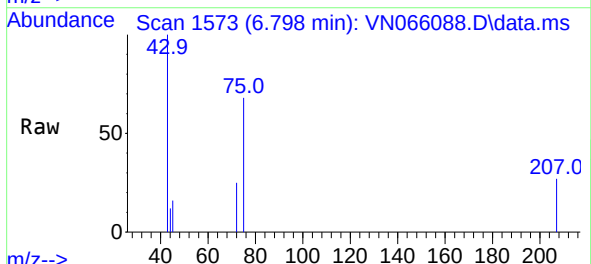
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.2 | 94.6  | 141.8 |
| 51  | 34.8  | 29.9  | 44.9  |
| 86  | 63.2  | 51.4  | 77.2  |

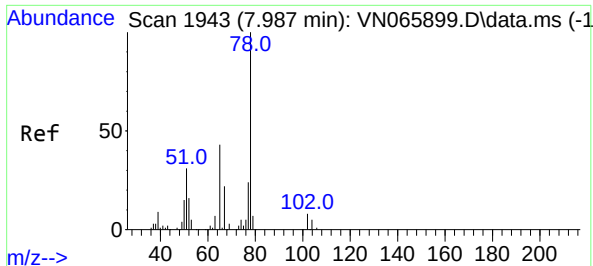


#25  
2-Butanone  
Concen: 5.30 ug/l  
RT: 6.798 min Scan# 1573  
Delta R.T. -0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion: 43 Resp: 4136

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 24.7  | 23.1  | 34.7  |

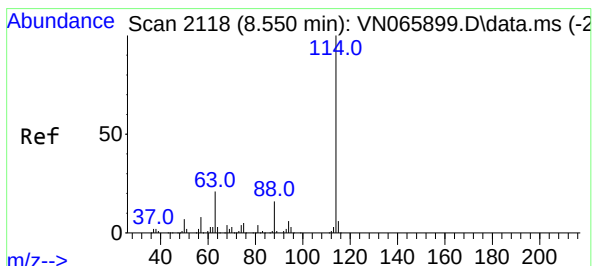
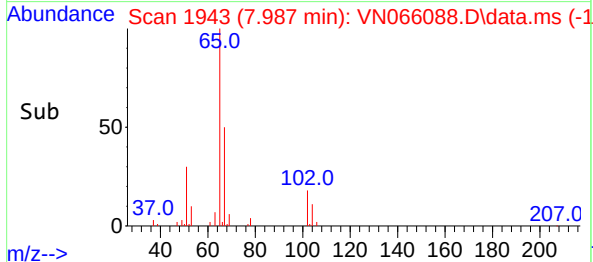
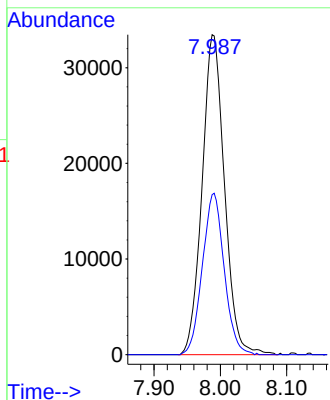
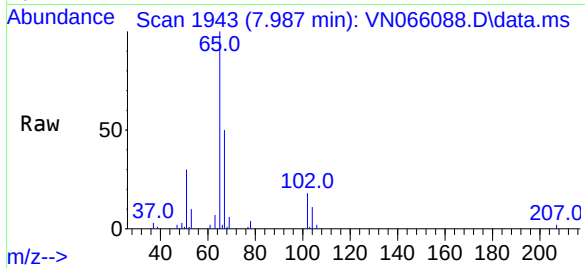




#33  
1,2-Dichloroethane-d4  
Concen: 49.80 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

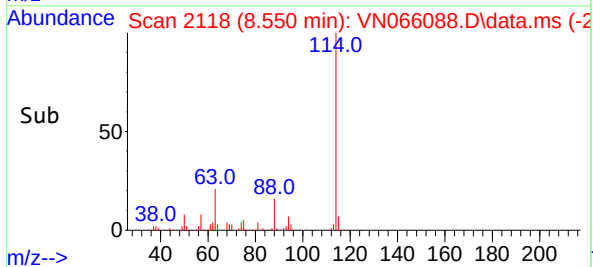
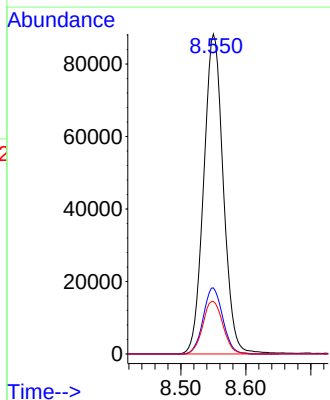
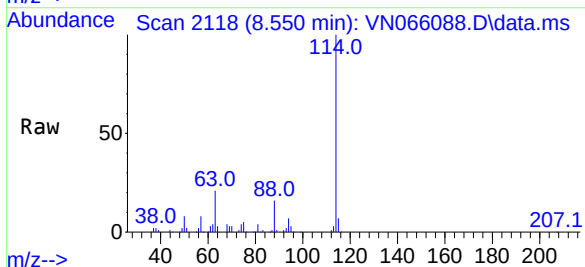
Instrument :  
MSVOA\_N  
ClientSampled :  
41700

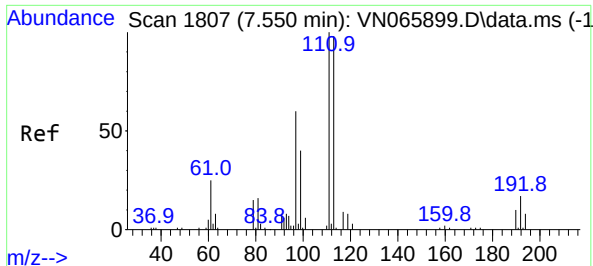
Tgt Ion: 65 Resp: 78567  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion: 114 Resp: 185309  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 38.6  
88 16.4 0.0 30.6

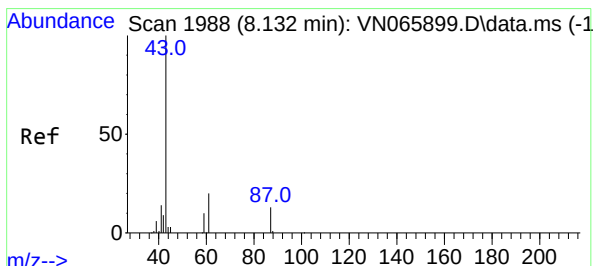
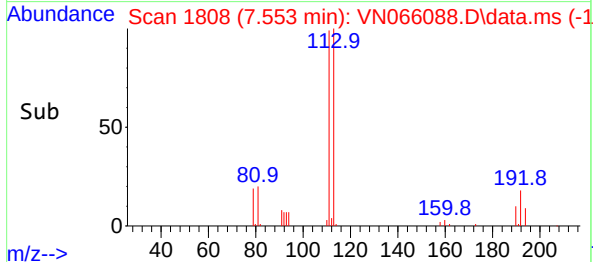
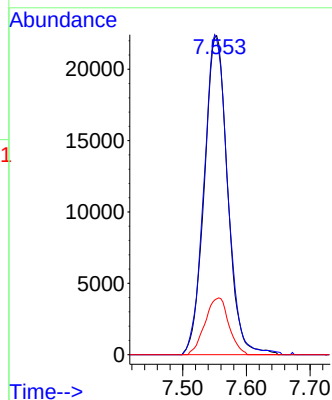
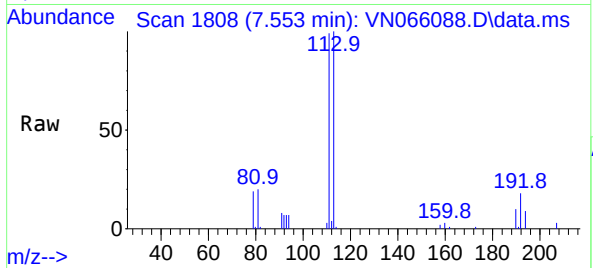




#35  
Dibromofluoromethane  
Concen: 49.40 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

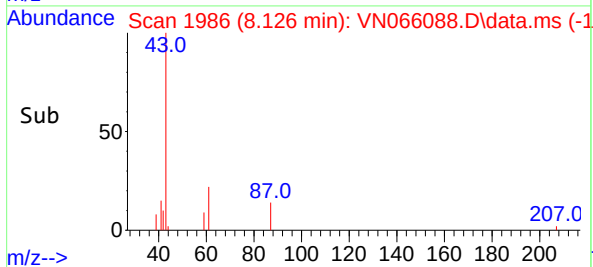
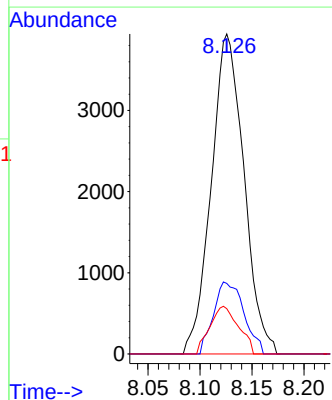
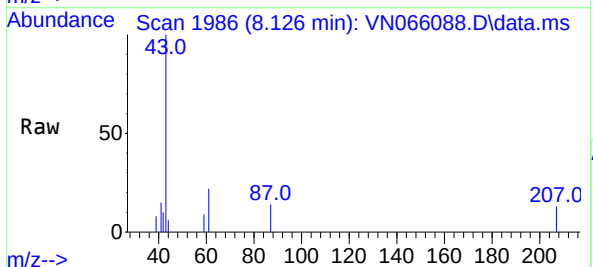
Instrument :  
MSVOA\_N  
ClientSampled :  
41700

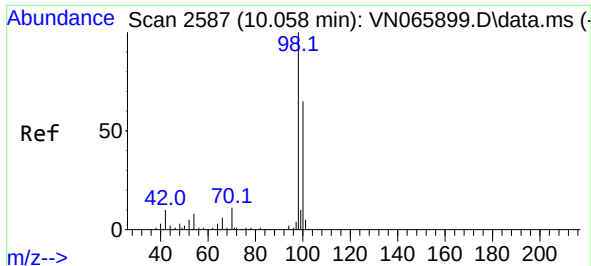
Tgt Ion:113 Resp: 56659  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.2 123.2  
192 18.2 15.4 23.0



#43  
Isopropyl Acetate  
Concen: 3.28 ug/l  
RT: 8.126 min Scan# 1986  
Delta R.T. -0.006 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion: 43 Resp: 8619  
Ion Ratio Lower Upper  
43 100  
61 20.9 22.5 33.7#  
87 13.1 11.1 16.7

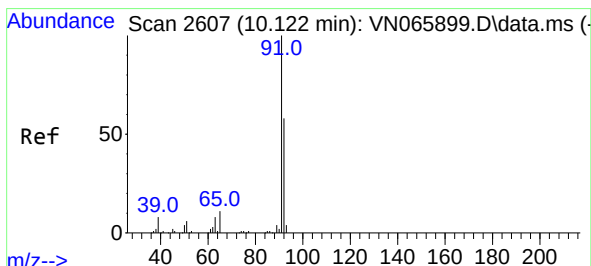
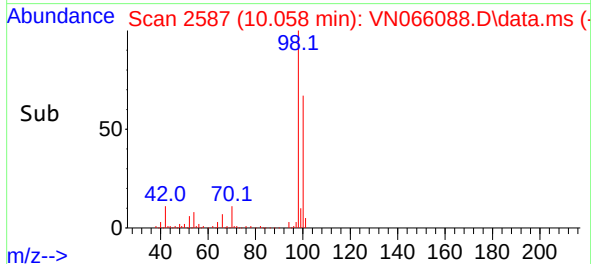
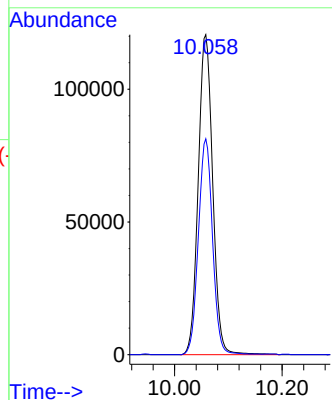
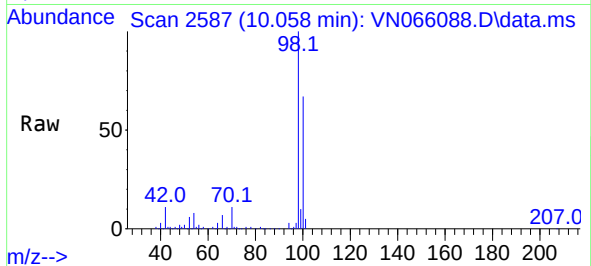




#50  
Toluene-d8  
Concen: 47.85 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

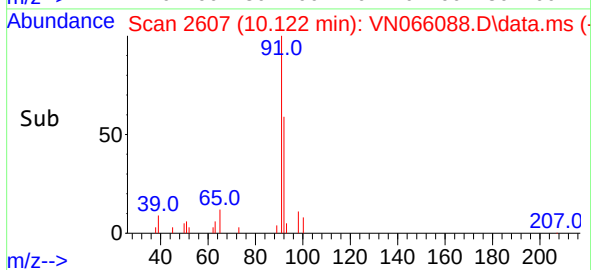
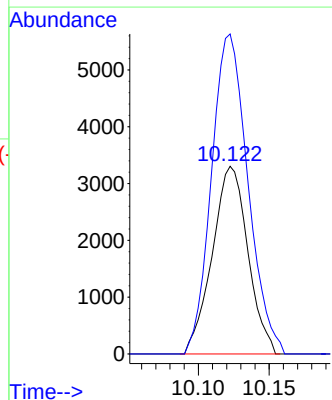
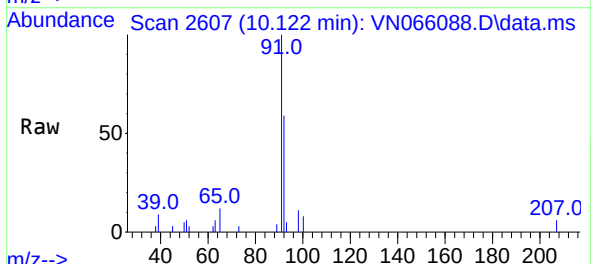
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MSVOA\_N  
ClientSampled :  
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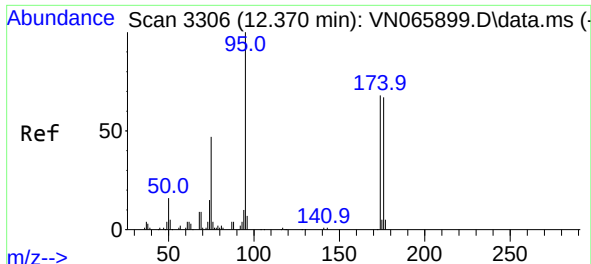
Tgt Ion: 98 Resp: 225260  
Ion Ratio Lower Upper  
98 100  
100 66.3 50.5 75.7



#52  
Toluene  
Concen: 1.68 ug/l  
RT: 10.122 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion: 92 Resp: 5775  
Ion Ratio Lower Upper  
92 100  
91 174.4 140.7 211.1

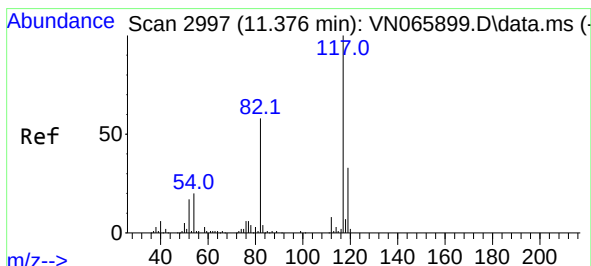
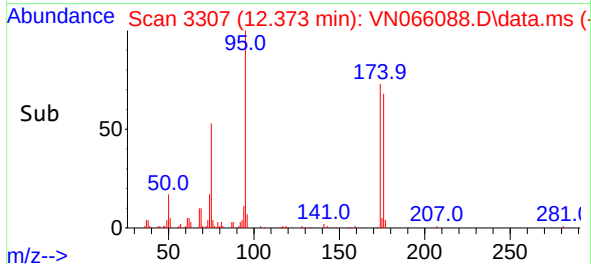
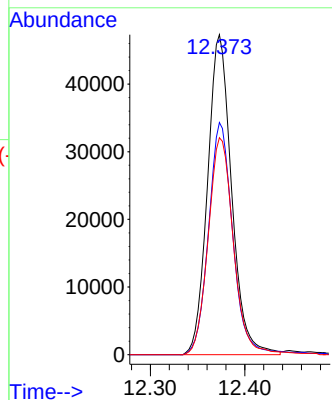
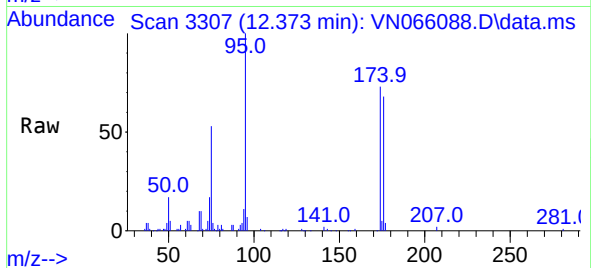




#62  
4-Bromofluorobenzene  
Concen: 47.26 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

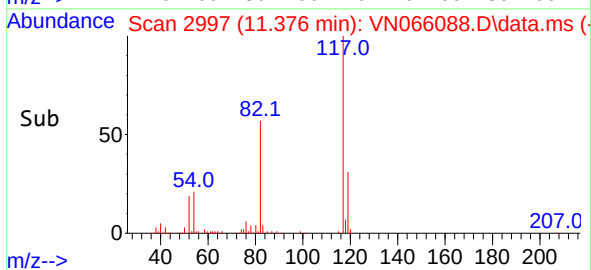
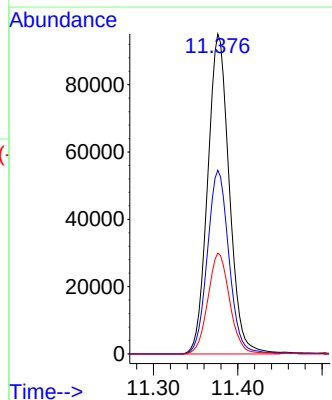
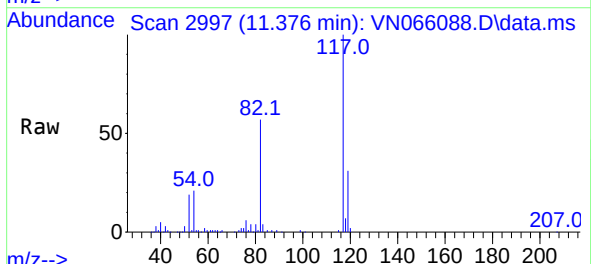
Instrument :  
MSVOA\_N  
ClientSampled :  
41700

Tgt Ion: 95 Resp: 83521  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 169.0  
176 71.3 0.0 162.4

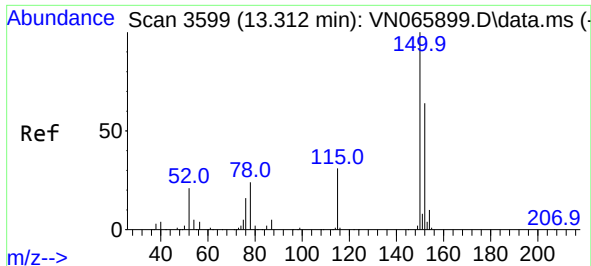


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion:117 Resp: 169203  
Ion Ratio Lower Upper  
117 100  
82 57.4 43.7 65.5  
119 31.5 26.1 39.1



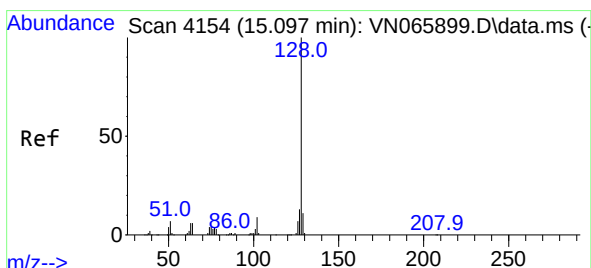
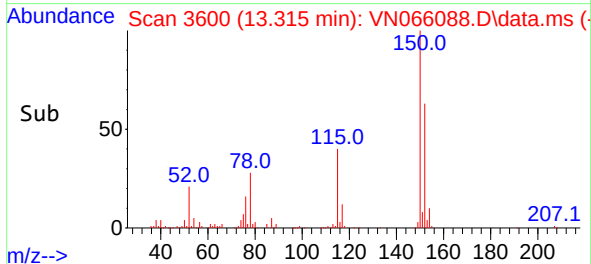
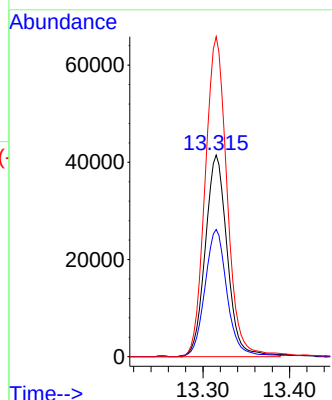
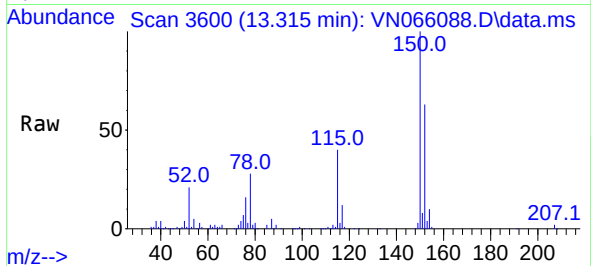




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Instrument :  
MSVOA\_N  
ClientSampled :  
41700

Tgt Ion:152 Resp: 73064  
Ion Ratio Lower Upper  
152 100  
115 64.1 28.5 85.6  
150 159.2 0.0 347.6



#95  
Naphthalene  
Concen: 4.45 ug/l  
RT: 15.100 min Scan# 4155  
Delta R.T. 0.003 min  
Lab File: VN066088.D  
Acq: 1 Mar 2021 19:51

Tgt Ion:128 Resp: 6301  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.2 15.2  
129 10.9 8.6 13.0

