

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122921\  
 Data File : VN070342.D  
 Acq On : 29 Dec 2021 12:10  
 Operator : JC/MD  
 Sample : VN1229WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1229WBL01

Quant Time: Dec 30 01:48:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.086  | 168  | 1066080  | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 1762831  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.744 | 117  | 1577875  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.677 | 152  | 532310   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65    | 810657   | 52.887   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 105.780% |
| 35) Dibromofluoromethane    | 8.021  | 113   | 573946   | 53.811   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 107.620% |
| 50) Toluene-d8              | 10.443 | 98    | 2190389  | 50.271   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 100.540% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 767691   | 48.782   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 97.560%  |

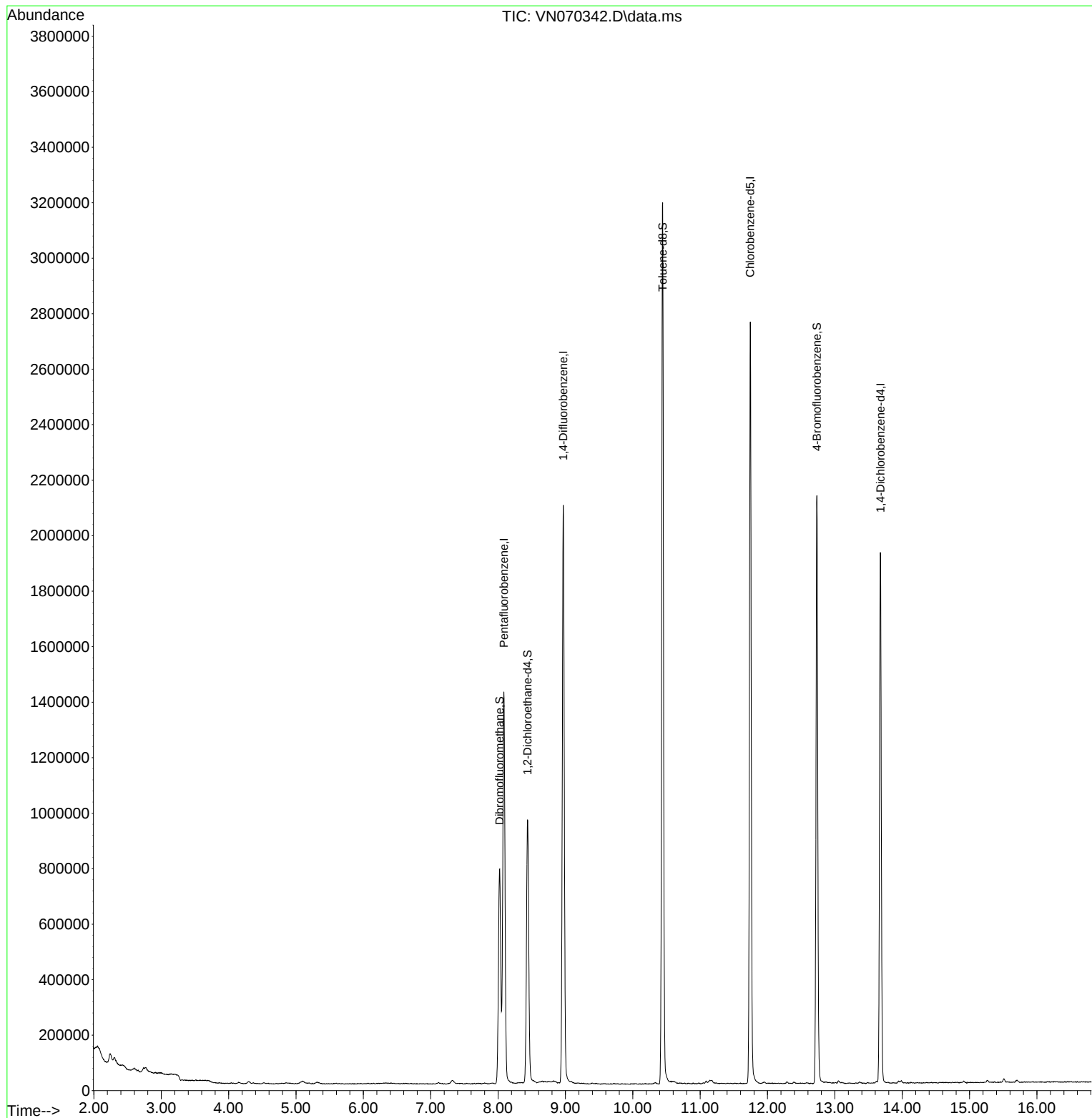
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

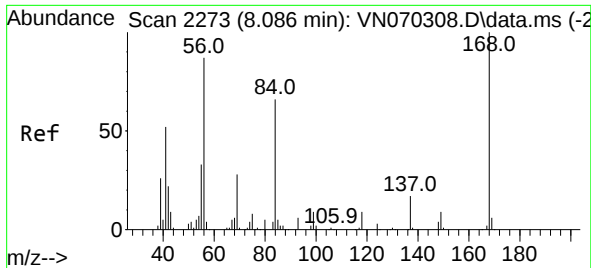
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN1229WBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1229WBL01

Quant Time: Dec 30 01:48:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration

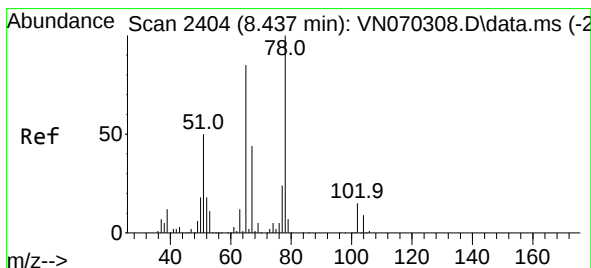
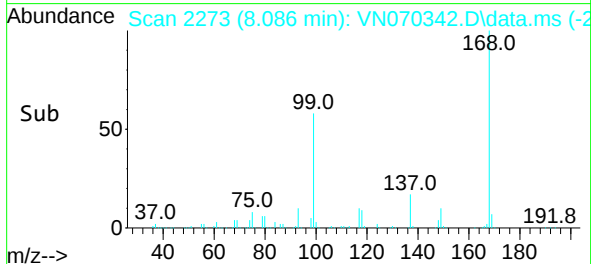
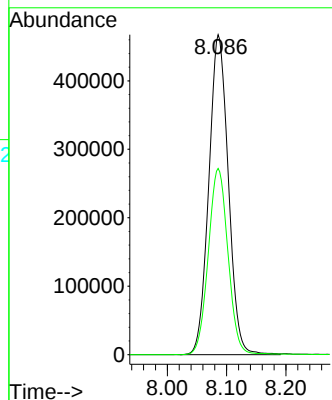
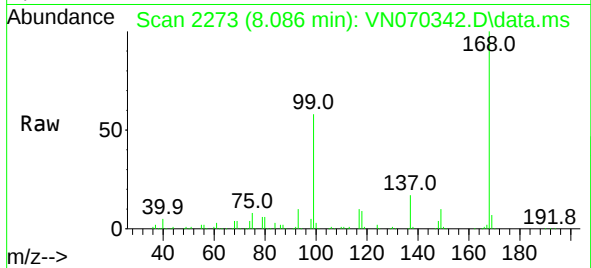




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

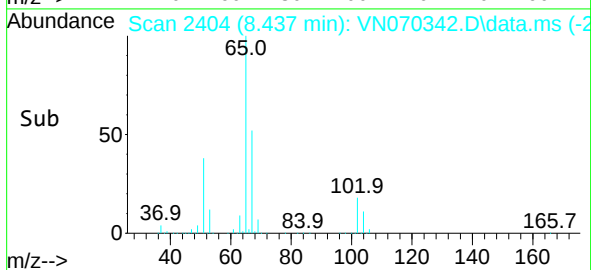
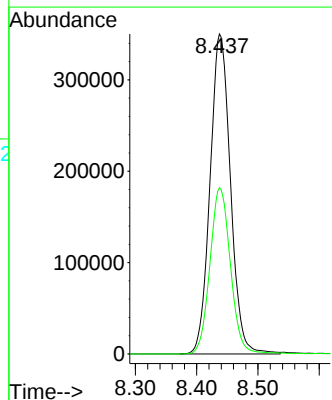
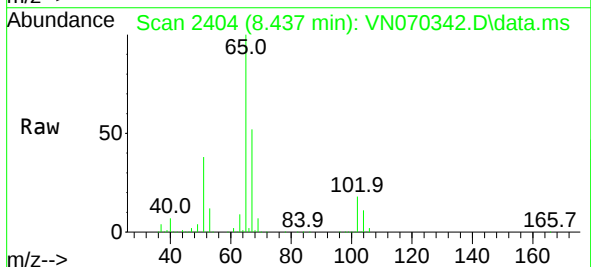
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1229WBL01

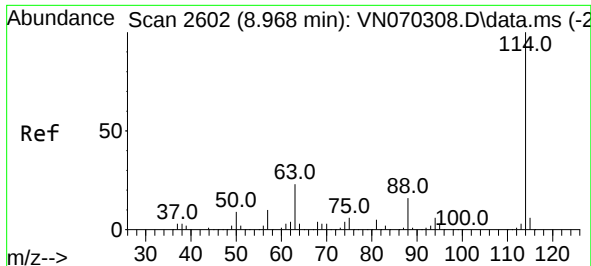
Tgt Ion:168 Resp: 1066080  
Ion Ratio Lower Upper  
168 100  
99 58.2 41.3 61.9



#33  
1,2-Dichloroethane-d4  
Concen: 52.887 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion: 65 Resp: 810657  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 103.0

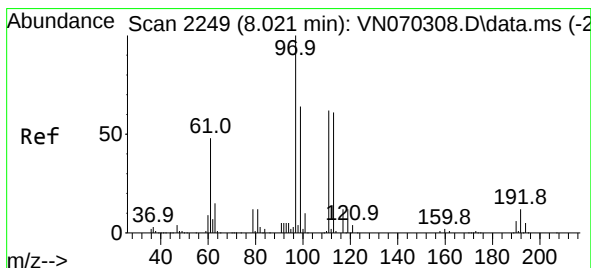
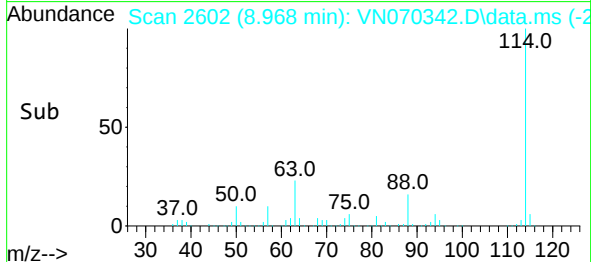
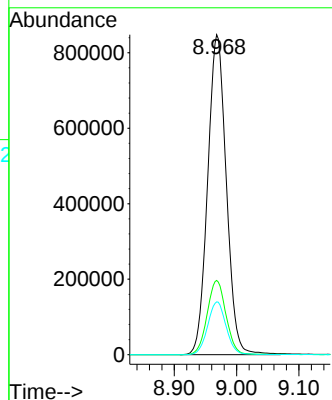
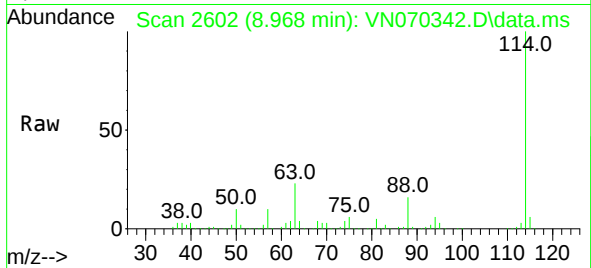




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

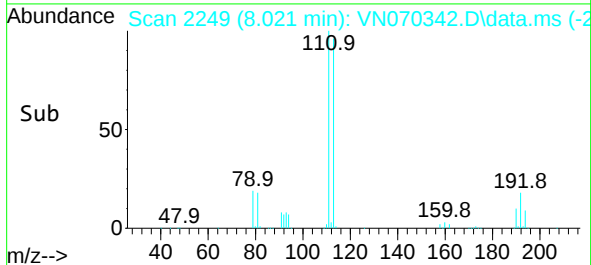
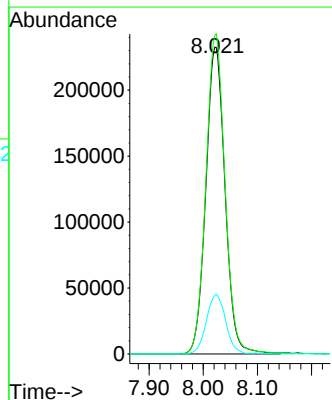
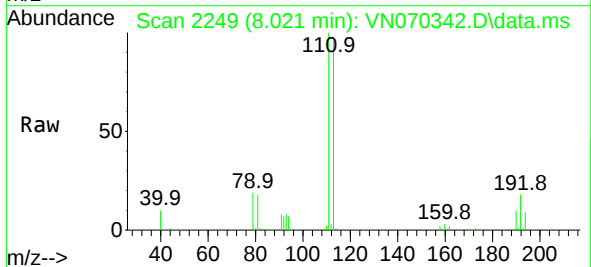
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1229WBL01

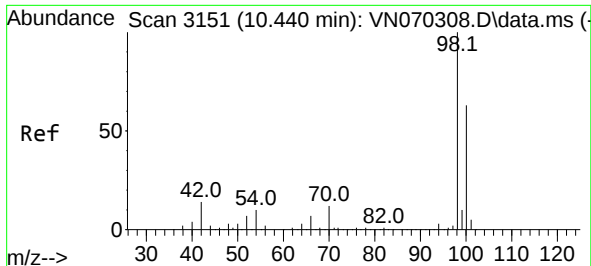
Tgt Ion:114 Resp: 1762831  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 37.8  
88 16.5 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 53.811 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. 0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion:113 Resp: 573946  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.2 123.2  
192 19.5 16.9 25.3

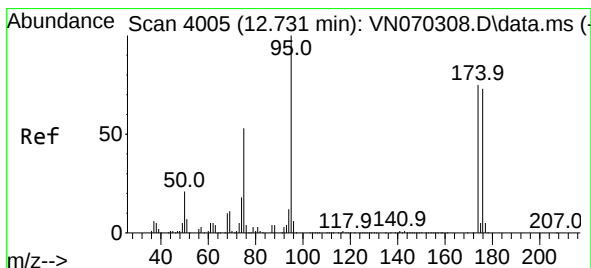
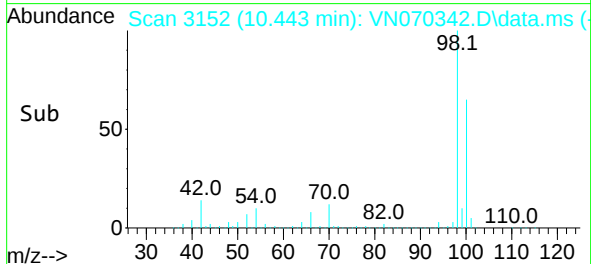
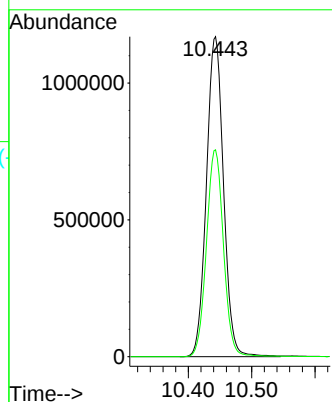
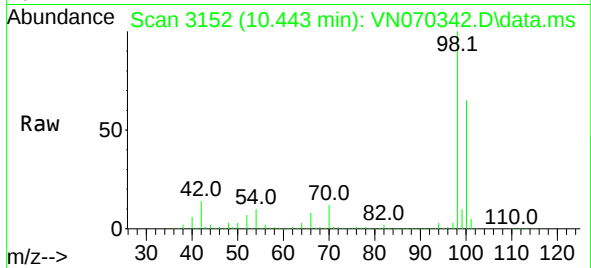




#50  
Toluene-d8  
Concen: 50.271 ug/l  
RT: 10.443 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

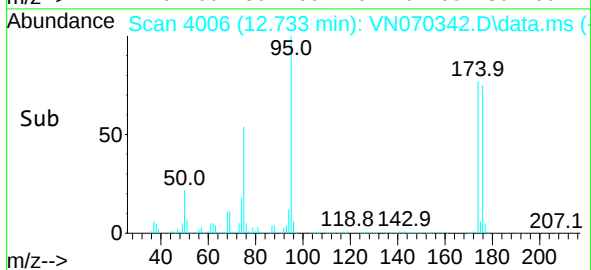
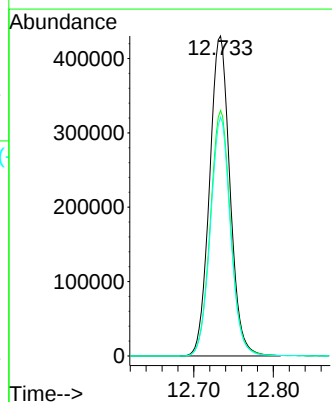
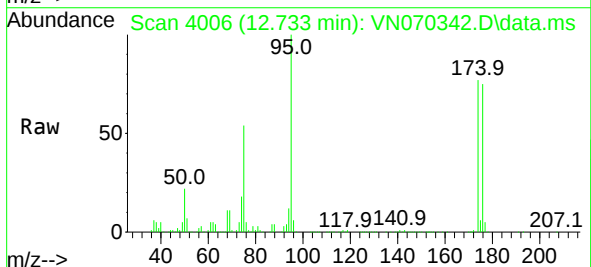
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1229WBL01

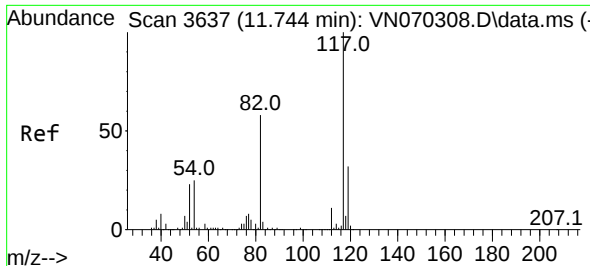
Tgt Ion: 98 Resp: 2190389  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 48.782 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion: 95 Resp: 767691  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 187.2  
176 73.6 0.0 181.4

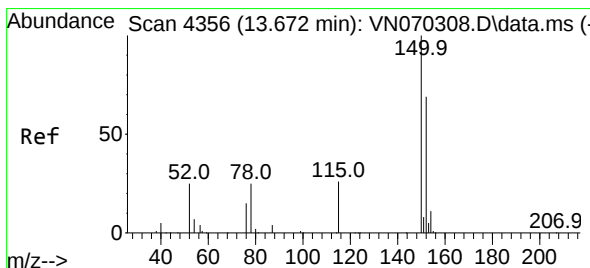
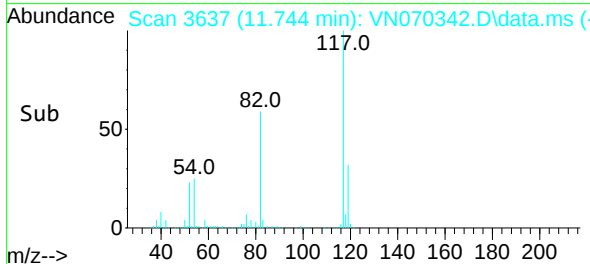
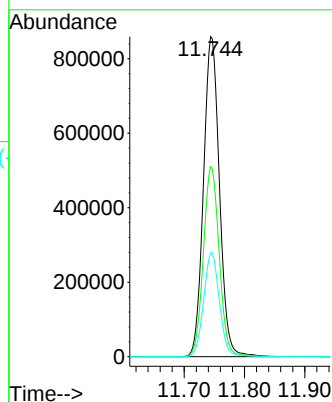
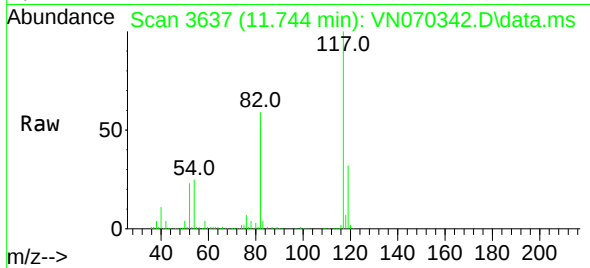




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1229WBL01

Tgt Ion:117 Resp: 1577875  
Ion Ratio Lower Upper  
117 100  
82 59.4 42.4 63.6  
119 32.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.005 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion:152 Resp: 532310  
Ion Ratio Lower Upper  
152 100  
115 60.4 27.5 82.5  
150 157.3 0.0 344.4

