

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\  
 Data File : VN063971.D  
 Acq On : 8 Oct 2020 4:05  
 Operator : JC/MD  
 Sample : L4225-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-100620

Quant Time: Oct 08 06:48:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

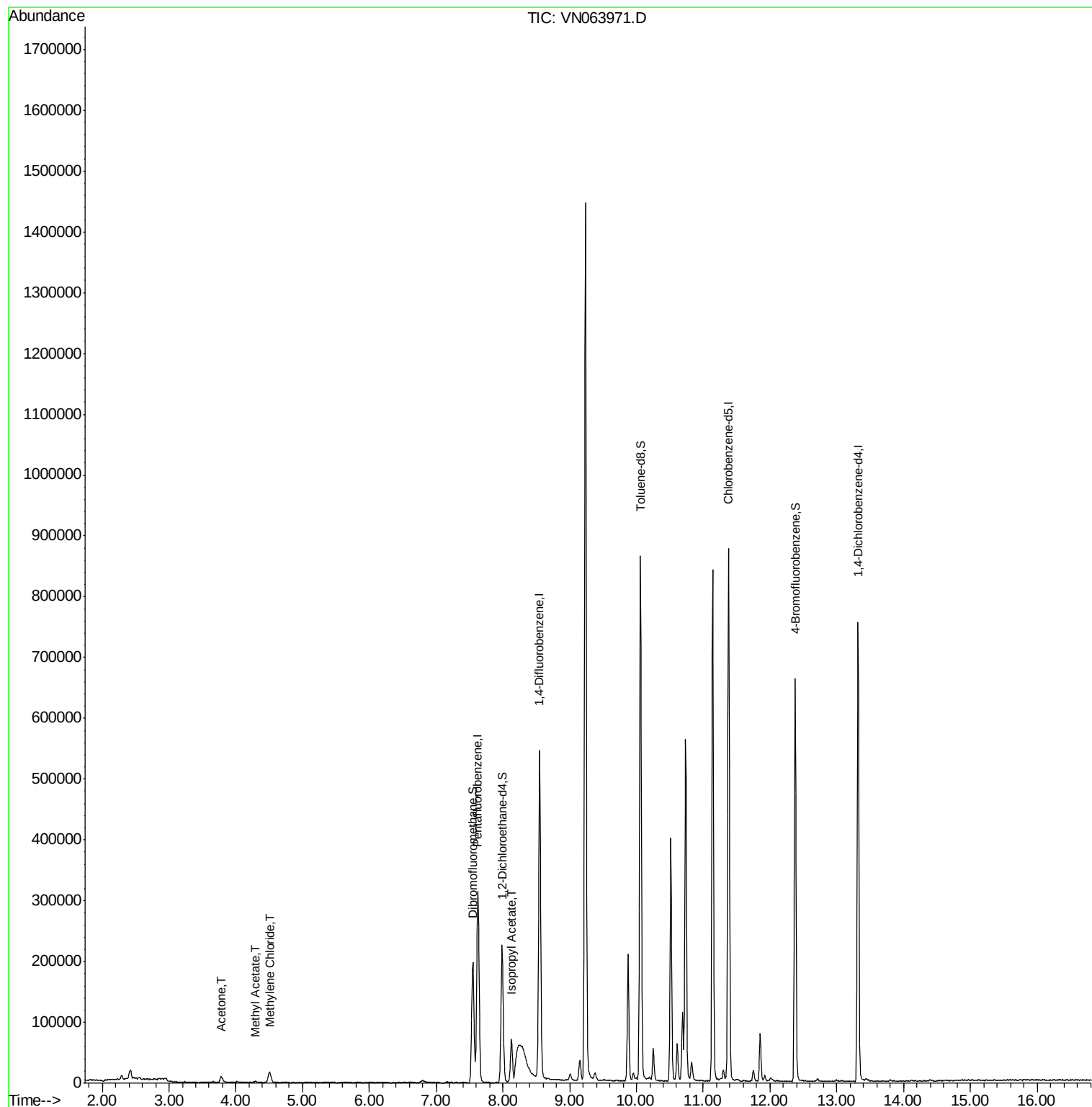
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 240154   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 451562   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 466915   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 193300   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 203376   | 51.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 147980   | 47.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.46%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 572533   | 48.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.40%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 223329   | 50.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.04% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 19354    | 15.847 | ug/l #  | 81       |
| 18) Methyl Acetate          | 4.29  | 43   | 3996     | 1.260  | ug/l #  | 67       |
| 20) Methylene Chloride      | 4.51  | 84   | 13029    | 4.746  | ug/l #  | 87       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 84416    | 11.260 | ug/l    | 99       |

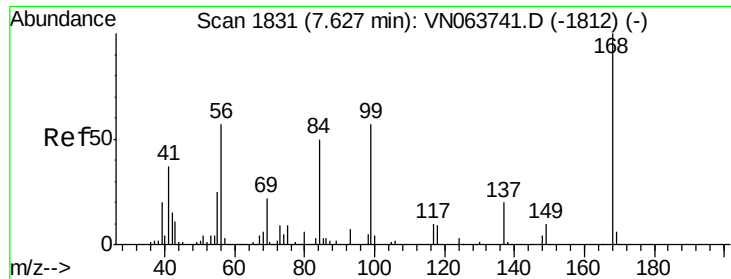
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Oct 01 01:46:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063971.D

Acq: 8 Oct 2020 4:05

Instrument :

MSVOA\_N

ClientSampled :

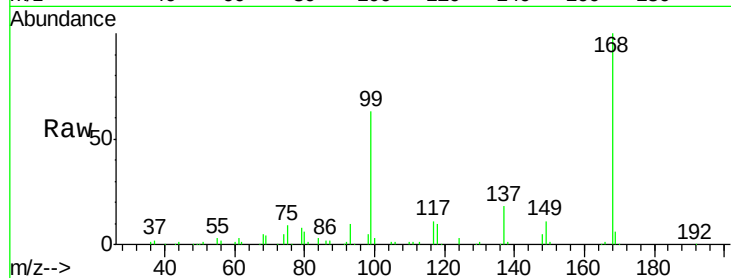
SU-04-100620

Tot Ion:168 Resp: 240154

Ion Ratio Lower Upper

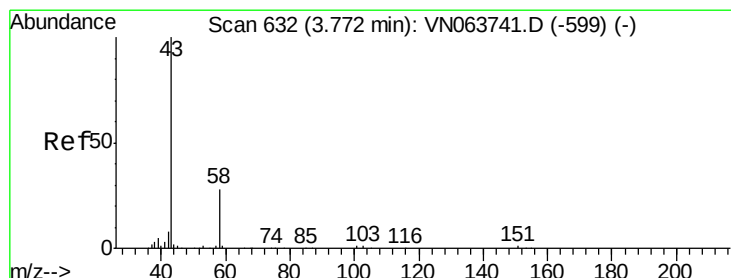
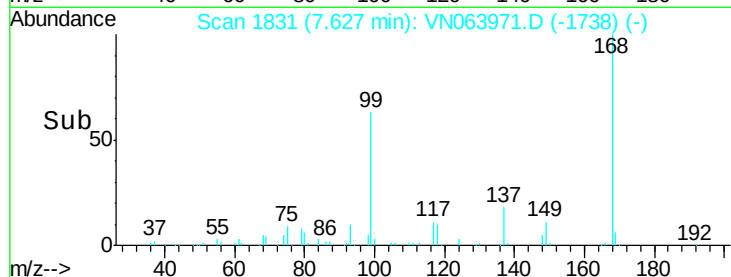
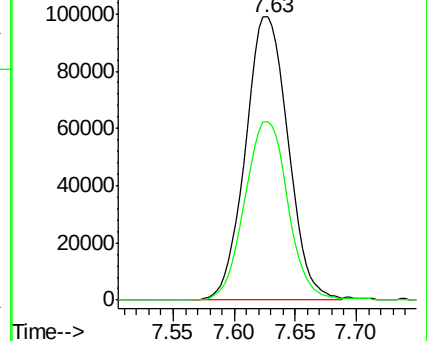
168 100

99 63.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.847 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063971.D

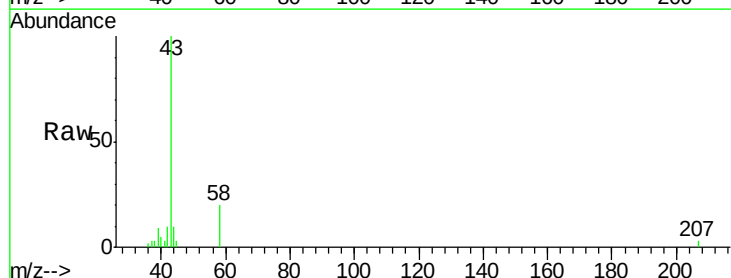
Acq: 8 Oct 2020 4:05

Tgt Ion: 43 Resp: 19354

Ion Ratio Lower Upper

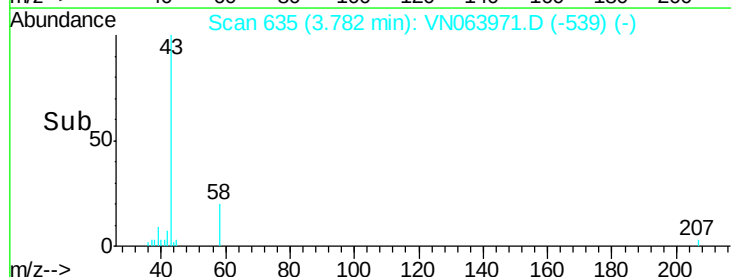
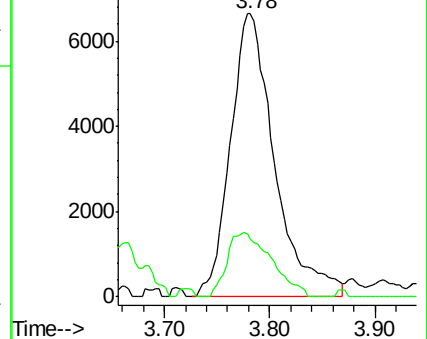
43 100

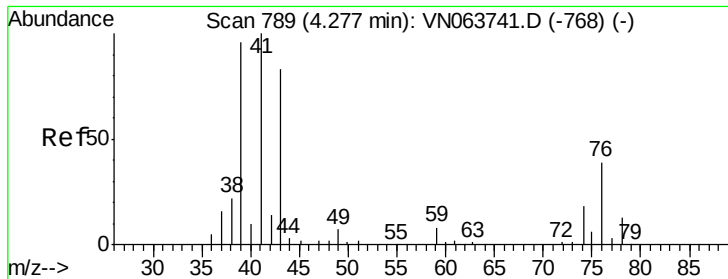
58 18.1 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

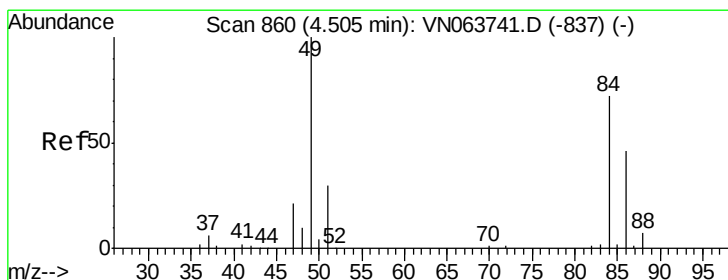
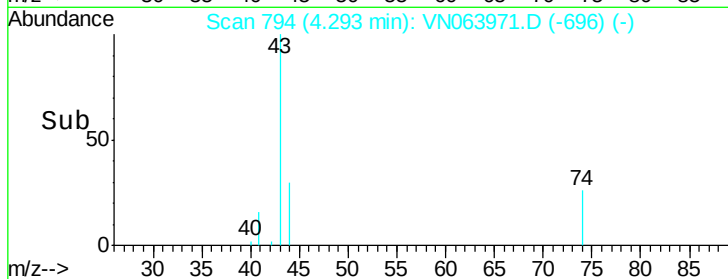
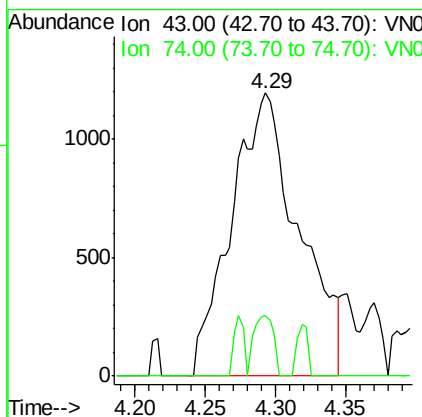
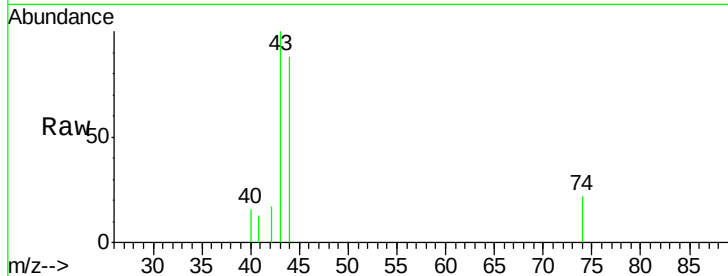




#18  
Methyl Acetate  
Concen: 1.260 ug/l  
RT: 4.29 min Scan# 794  
Delta R.T. 0.02 min  
Lab File: VN063971.D  
Acq: 8 Oct 2020 4:05

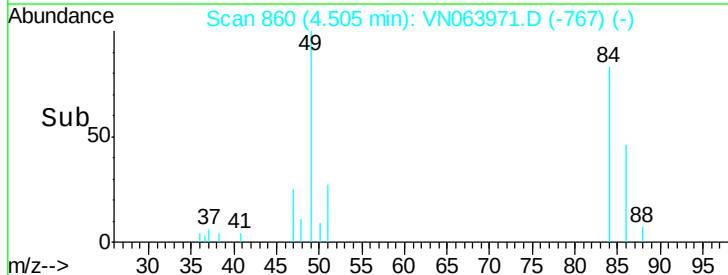
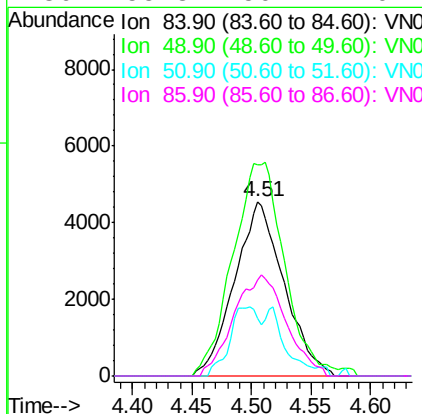
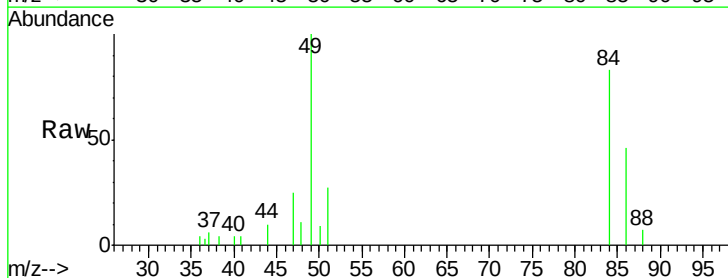
Instrument :  
MSVOA\_N  
ClientSampled :  
SU-04-100620

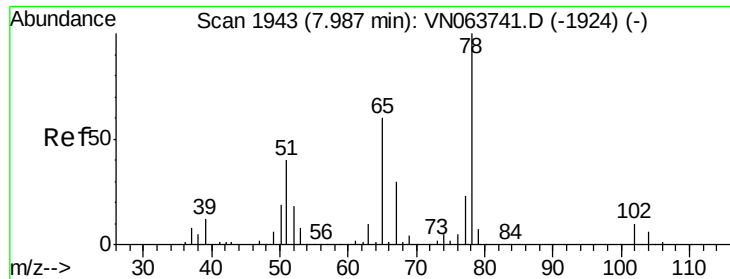
Tot Ion: 43 Resp: 3996  
Ion Ratio Lower Upper  
43 100  
74 6.3 17.4 26.2#



#20  
Methylene Chloride  
Concen: 4.746 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063971.D  
Acq: 8 Oct 2020 4:05

Tgt Ion: 84 Resp: 13029  
Ion Ratio Lower Upper  
84 100  
49 120.9 110.4 165.6  
51 32.7 33.3 49.9#  
86 55.3 50.7 76.1

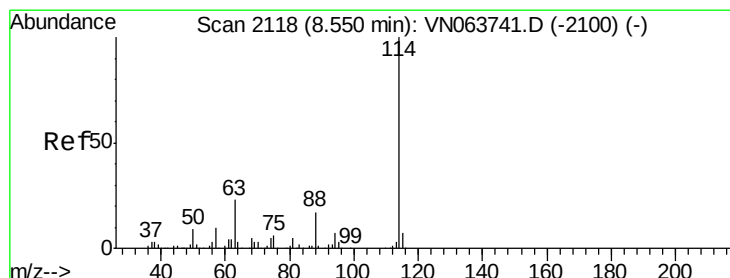
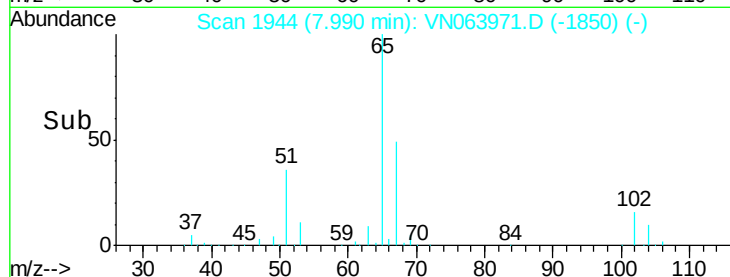
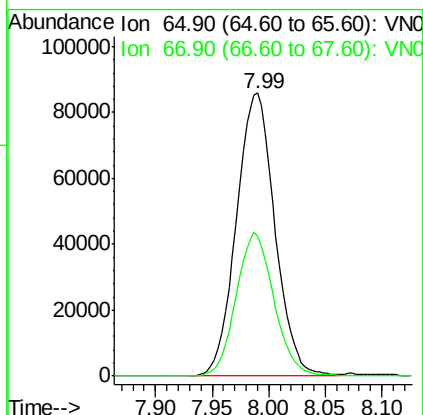
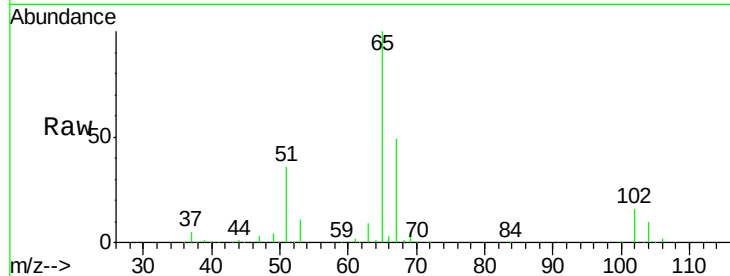




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.260 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN063971.D  
 Acq: 8 Oct 2020 4:05

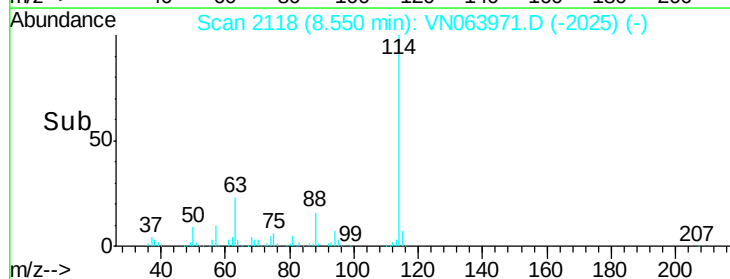
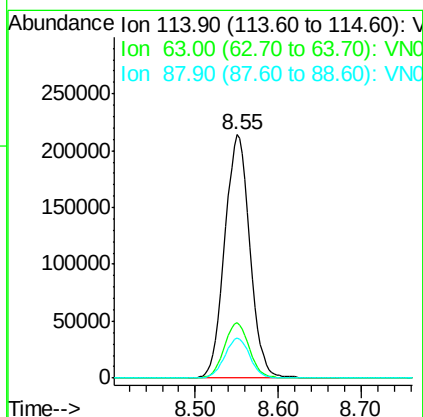
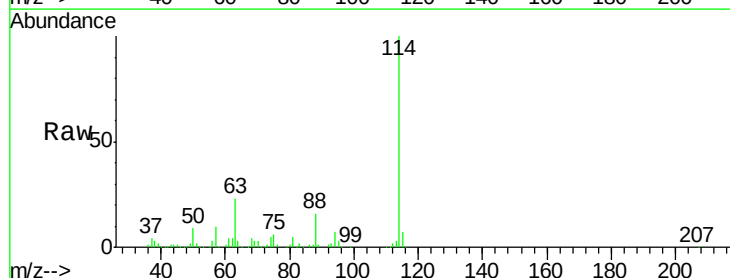
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-100620

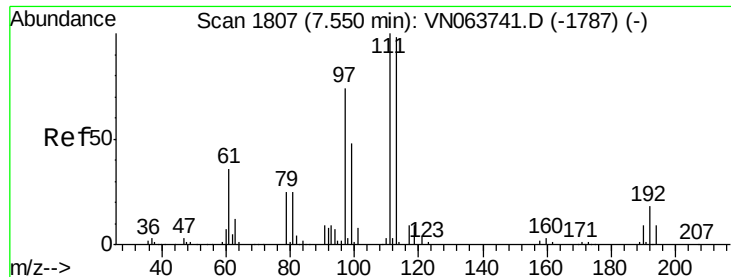
Tot Ion: 65 Resp: 203376  
 Ion Ratio Lower Upper  
 65 100  
 67 49.9 0.0 99.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN063971.D  
 Acq: 8 Oct 2020 4:05

Tgt Ion: 114 Resp: 451562  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 45.0  
 88 16.5 0.0 34.0

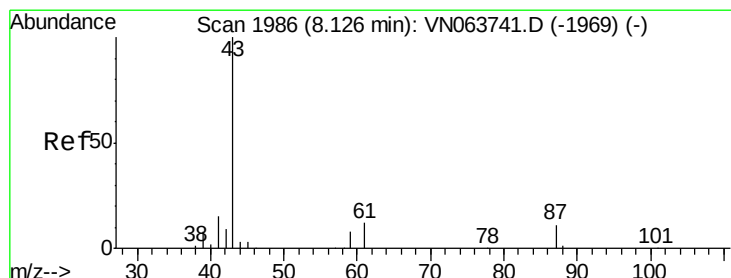
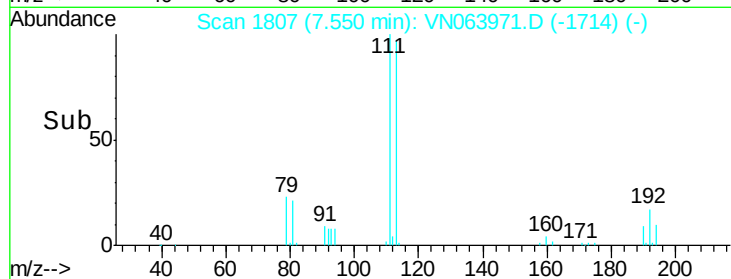
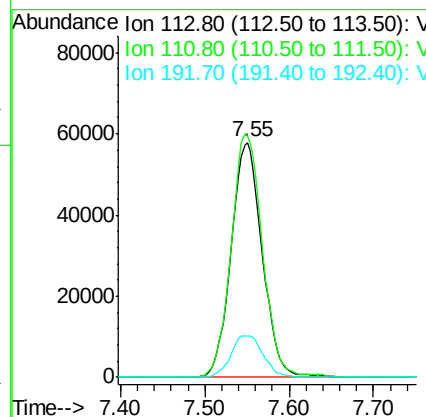
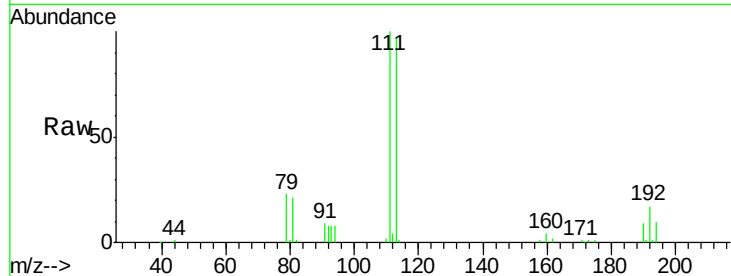




#35  
 Dibromofluoromethane  
 Concen: 47.228 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063971.D  
 Acq: 8 Oct 2020 4:05

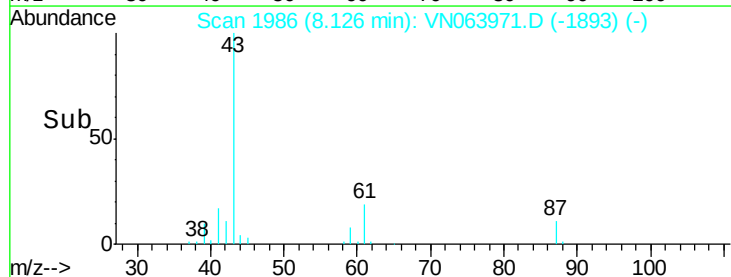
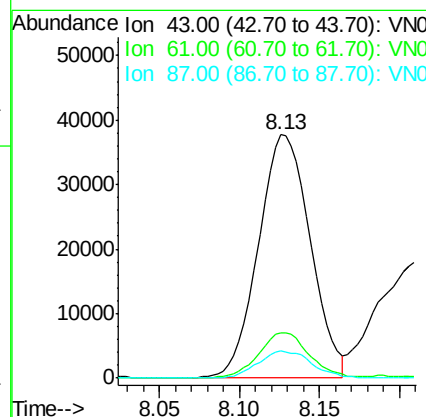
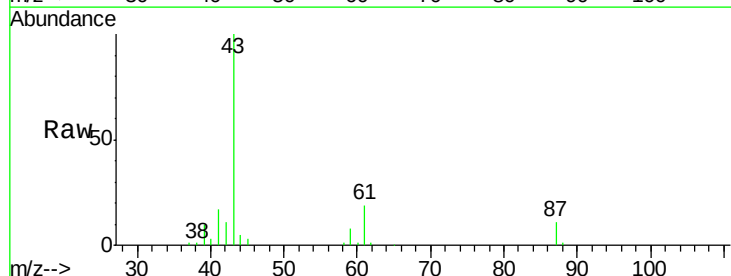
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-100620

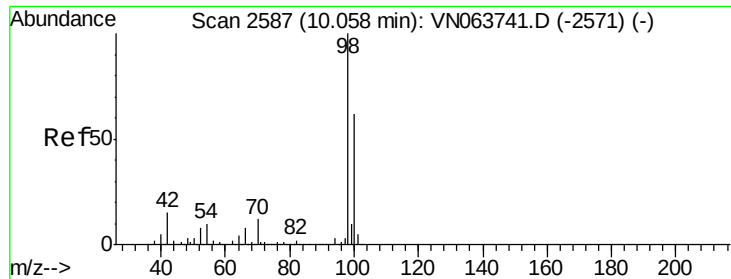
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 81.8  | 122.8 |
| 192     | 18.4  | 14.2  | 21.2  |



#43  
 Isopropyl Acetate  
 Concen: 11.260 ug/l  
 RT: 8.13 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VN063971.D  
 Acq: 8 Oct 2020 4:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.2  | 14.2  | 21.4  |
| 87      | 11.4  | 9.0   | 13.6  |





#50

Toluene-d8

Concen: 48.201 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063971.D

Acq: 8 Oct 2020 4:05

Instrument :

MSVOA\_N

ClientSampleId :

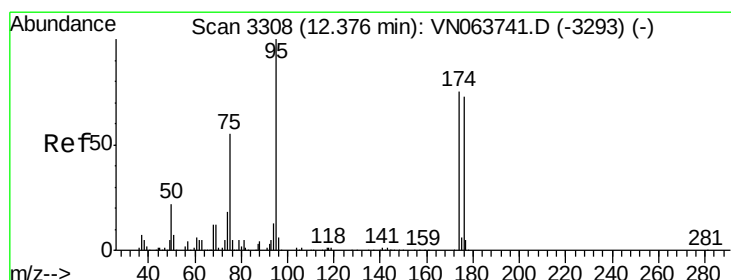
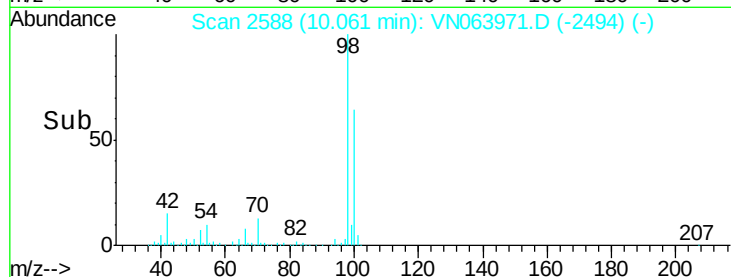
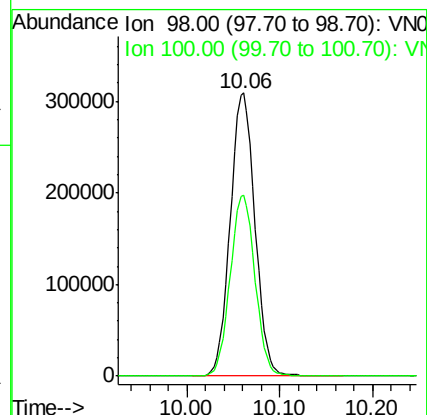
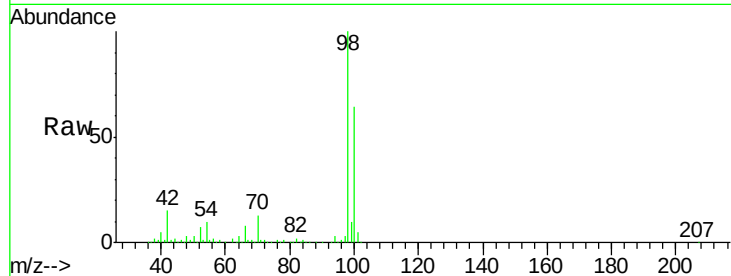
SU-04-100620

Tot Ion: 98 Resp: 572533

Ion Ratio Lower Upper

98 100

100 64.0 49.8 74.6



#62

4-Bromofluorobenzene

Concen: 50.017 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063971.D

Acq: 8 Oct 2020 4:05

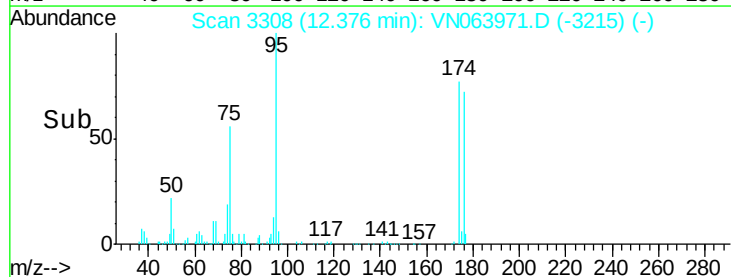
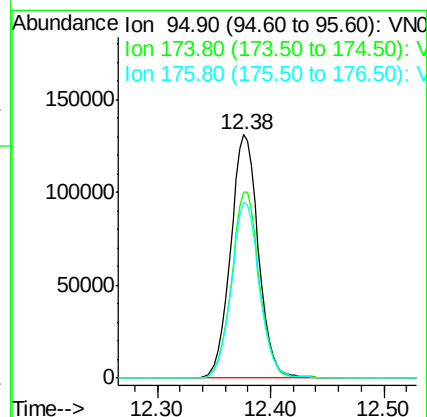
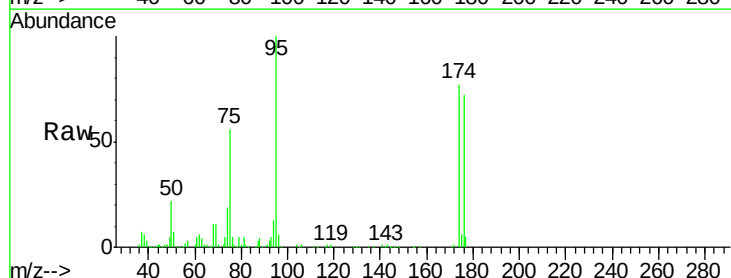
Tgt Ion: 95 Resp: 223329

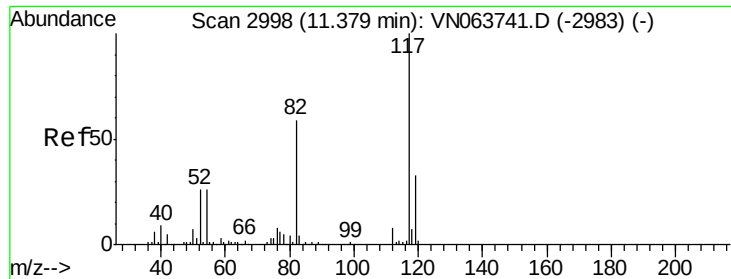
Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

176 72.8 0.0 145.4

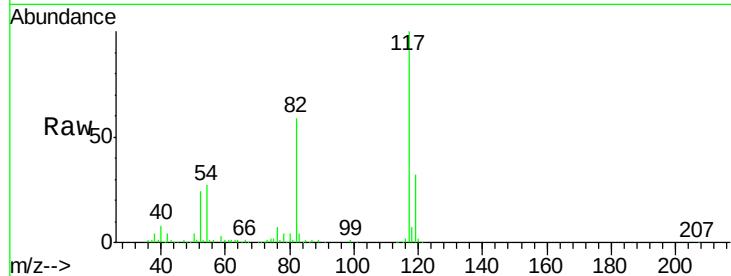




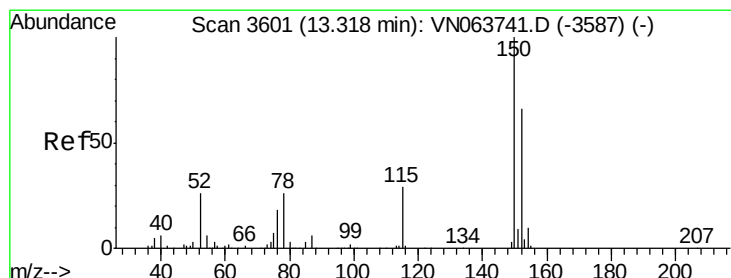
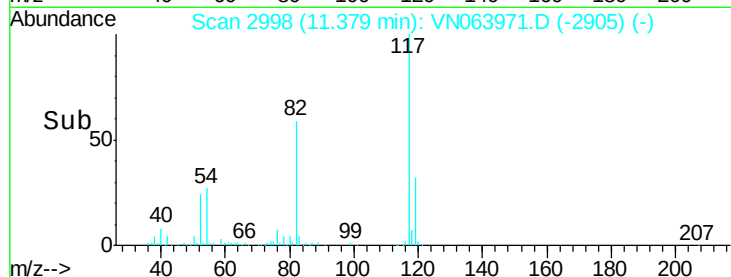
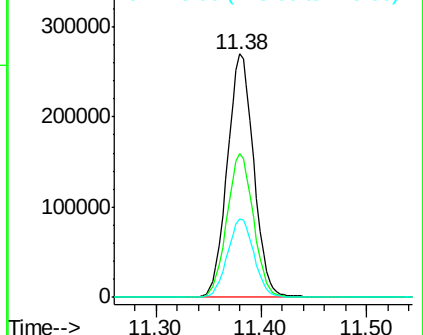
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063971.D  
Acq: 8 Oct 2020 4:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-100620

Tot Ion:117 Resp: 466915  
Ion Ratio Lower Upper  
117 100  
82 59.1 47.4 71.2  
119 32.4 26.4 39.6

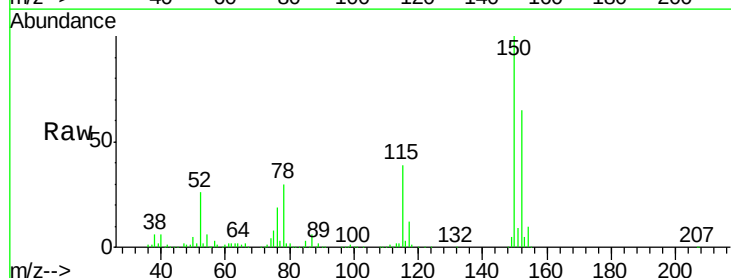


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063971.D  
Acq: 8 Oct 2020 4:05

Tgt Ion:152 Resp: 193300  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.3 93.8  
150 154.6 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

