

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\  
 Data File : VN064132.D  
 Acq On : 14 Oct 2020 23:19  
 Operator : JC/MD  
 Sample : L4226-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-04-101320

Quant Time: Oct 15 07:46:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101420W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 15 01:16:44 2020  
 Response via : Initial Calibration

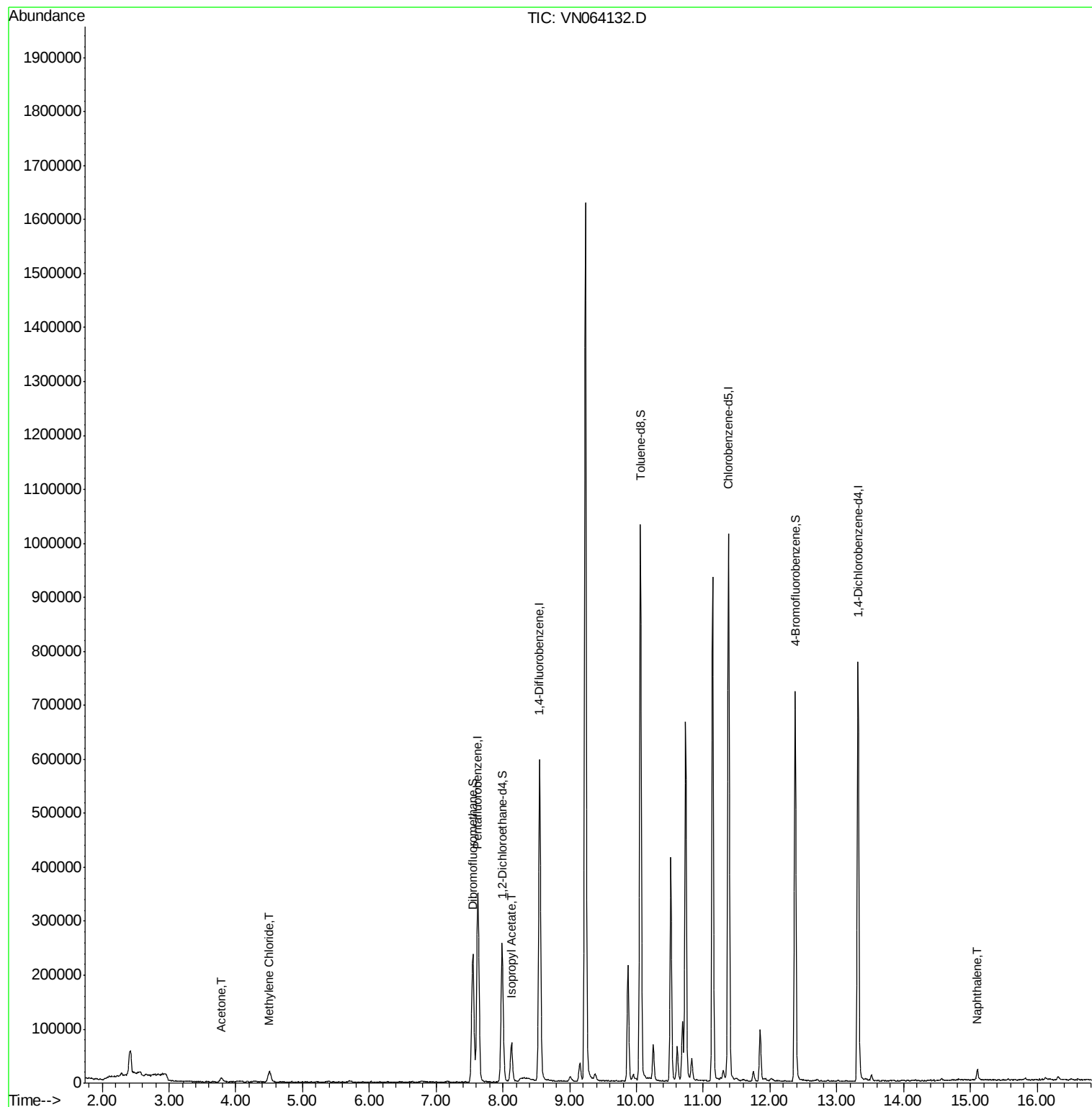
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.62  | 168  | 270284   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 536149   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 582246   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 207184   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 219456   | 57.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.02% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 182962   | 49.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.60%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 709475   | 50.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.34% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 244175   | 50.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.46% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 13185    | 11.548 | ug/l    | 91       |
| 20) Methylene Chloride      | 4.51  | 84   | 15074    | 4.267  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 83968    | 11.033 | ug/l #  | 89       |
| 95) Naphthalene             | 15.11 | 128  | 16822    | 5.330  | ug/l    | 96       |

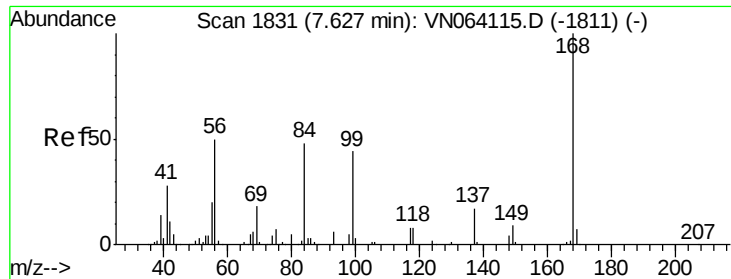
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101420W.M  
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QLast Update : Thu Oct 15 01:16:44 2020  
Response via : Initial Calibration

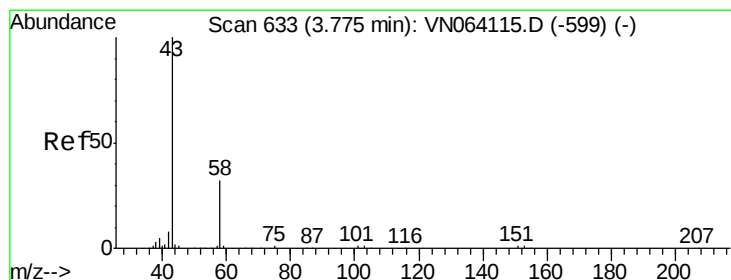
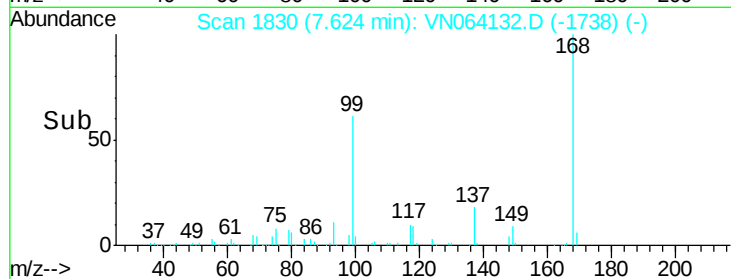
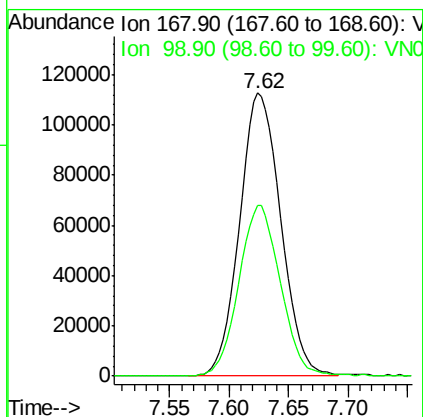
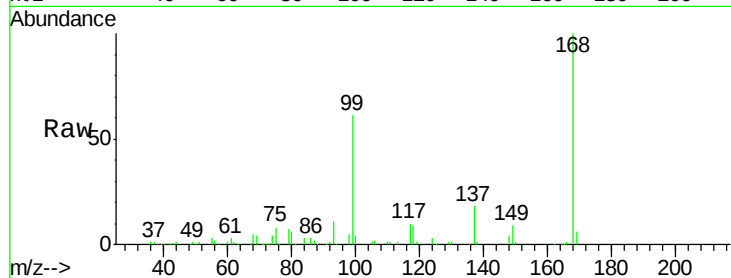




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.62 min Scan# 1830  
Delta R.T. -0.00 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

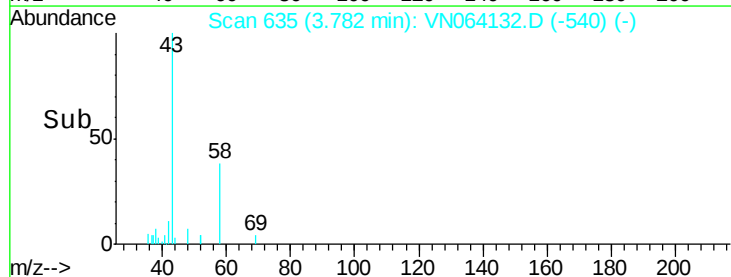
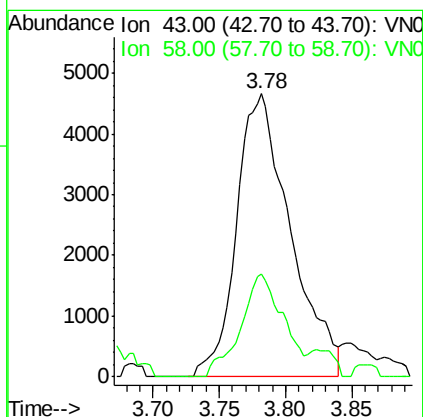
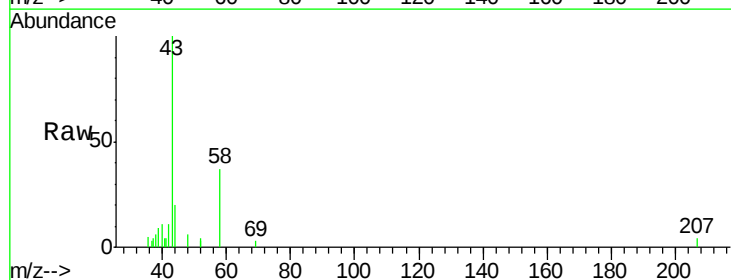
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-101320

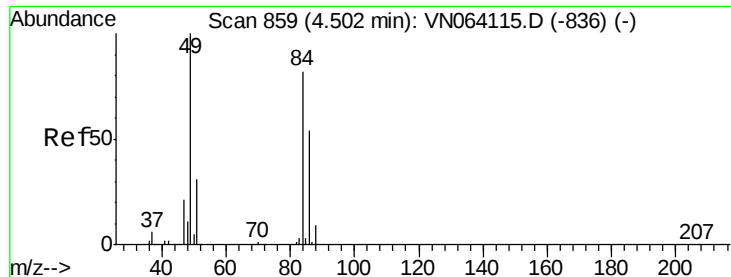
Tot Ion:168 Resp: 270284  
Ion Ratio Lower Upper  
168 100  
99 60.5 43.6 65.4



#16  
Acetone  
Concen: 11.548 ug/l  
RT: 3.78 min Scan# 635  
Delta R.T. 0.01 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

Tgt Ion: 43 Resp: 13185  
Ion Ratio Lower Upper  
43 100  
58 36.5 25.2 37.8

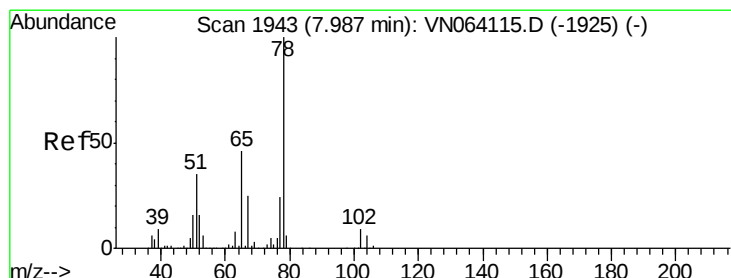
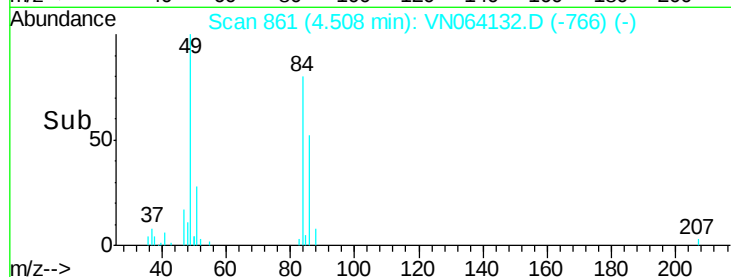
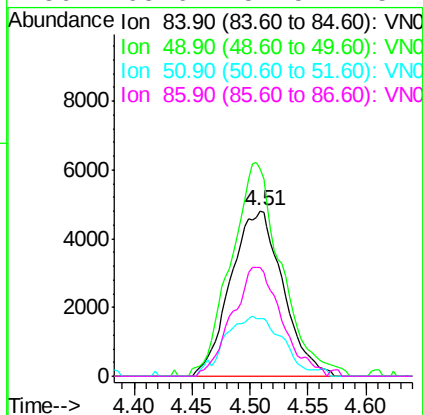
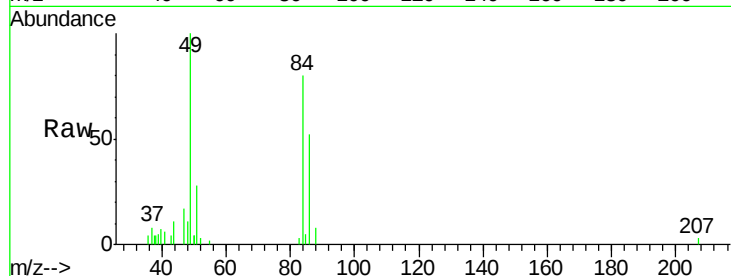




#20  
Methylene Chloride  
Concen: 4.267 ug/l  
RT: 4.51 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

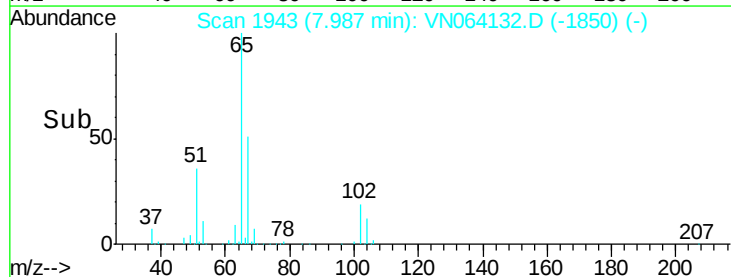
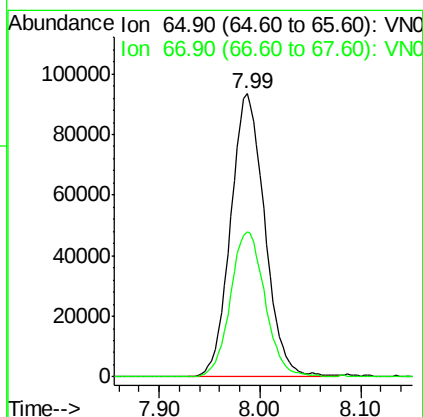
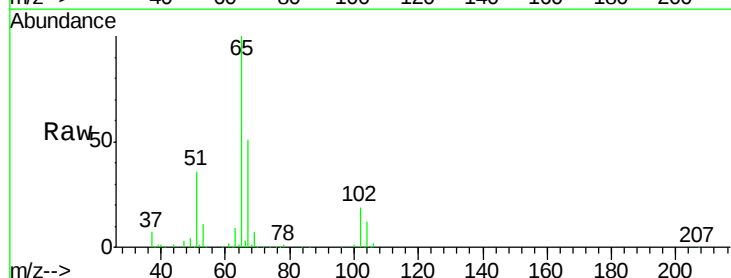
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-101320

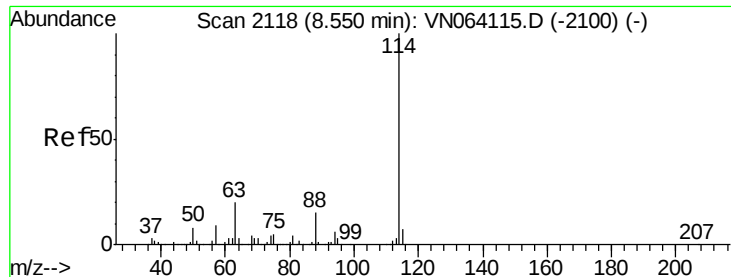
Tot Ion: 84 Resp: 15074  
Ion Ratio Lower Upper  
84 100  
49 125.6 97.4 146.0  
51 34.7 29.7 44.5  
86 65.6 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.010 ug/l  
RT: 7.99 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

Tgt Ion: 65 Resp: 219456  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.6

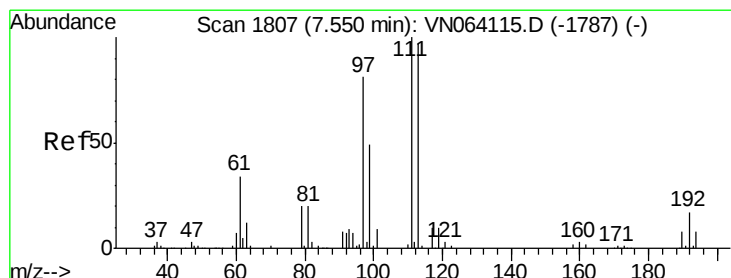
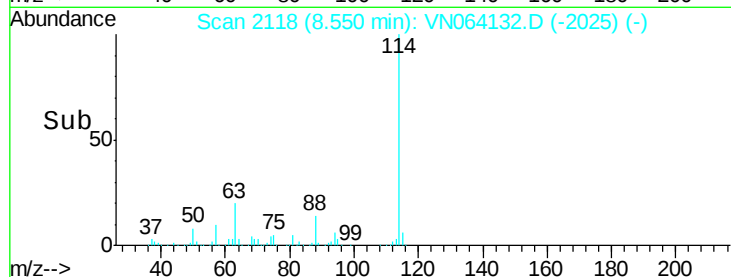
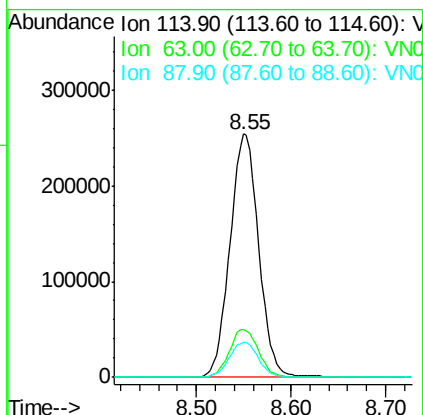
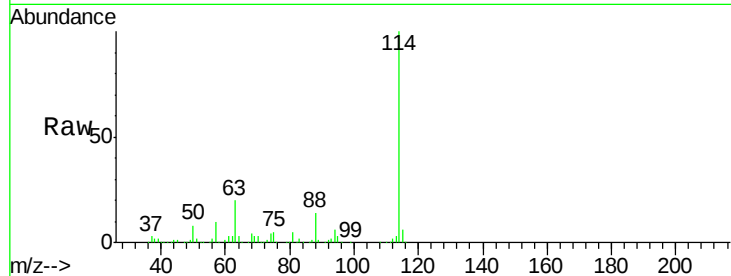




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064132.D  
 Acq: 14 Oct 2020 23:19

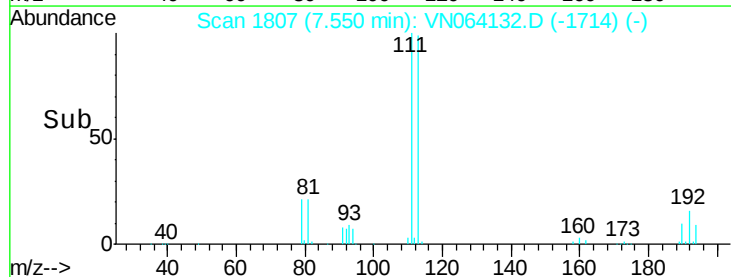
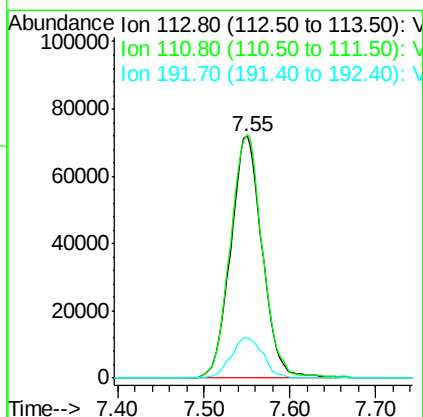
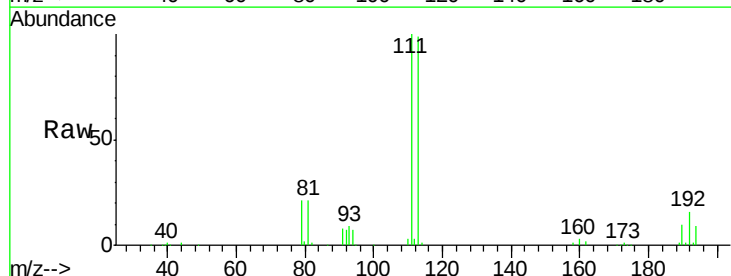
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-04-101320

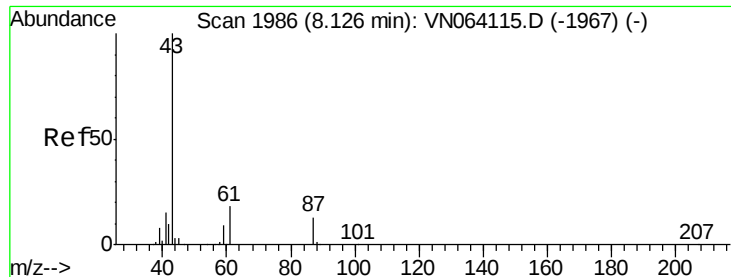
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 0.0   | 41.0  |
| 88      | 14.3  | 0.0   | 29.2  |



#35  
 Dibromofluoromethane  
 Concen: 49.303 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064132.D  
 Acq: 14 Oct 2020 23:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 81.9  | 122.9 |
| 192     | 17.0  | 14.3  | 21.5  |





#43

Isopropyl Acetate

Concen: 11.033 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064132.D

Acq: 14 Oct 2020 23:19

Instrument :

MSVOA\_N

ClientSampleId :

TR-04-101320

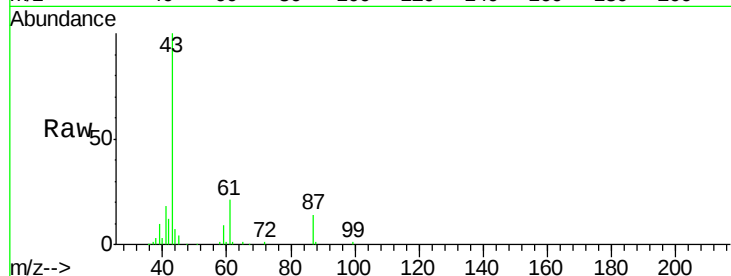
Tot Ion: 43 Resp: 83968

Ion Ratio Lower Upper

43 100

61 19.6 21.9 32.9#

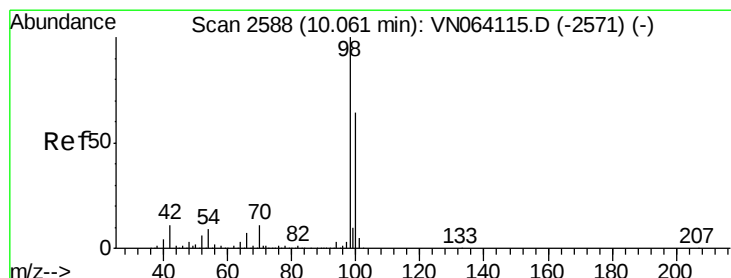
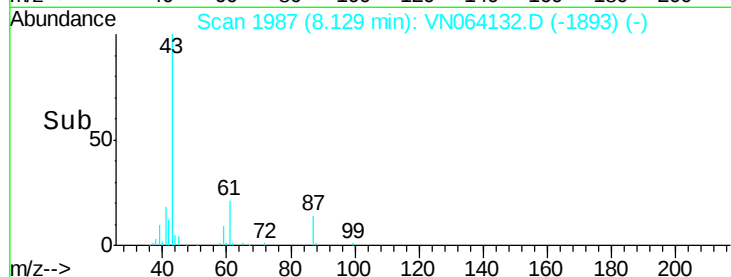
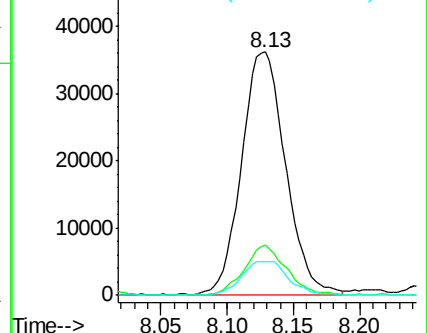
87 14.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN064115.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN064115.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN064115.D (-1967) (-)



#50

Toluene-d8

Concen: 50.670 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064132.D

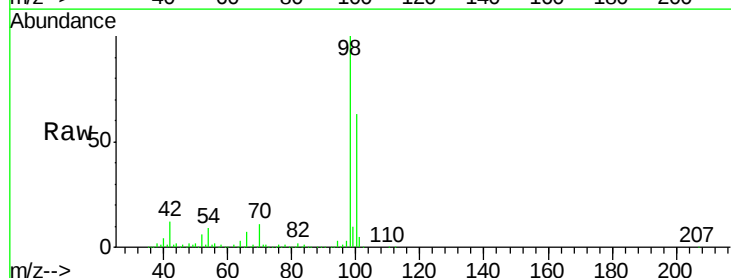
Acq: 14 Oct 2020 23:19

Tgt Ion: 98 Resp: 709475

Ion Ratio Lower Upper

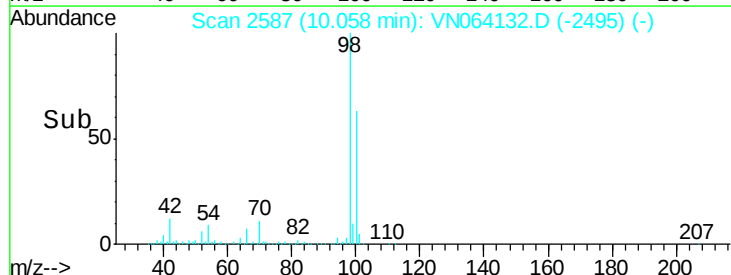
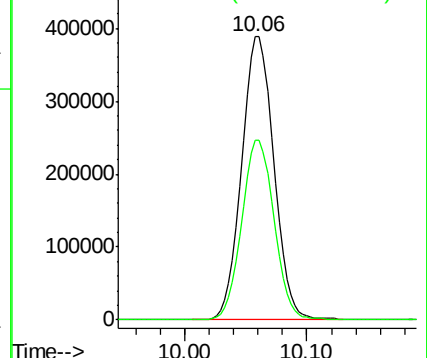
98 100

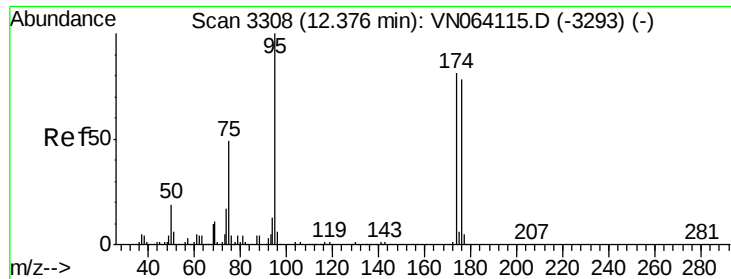
100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064115.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064115.D (-2571) (-)

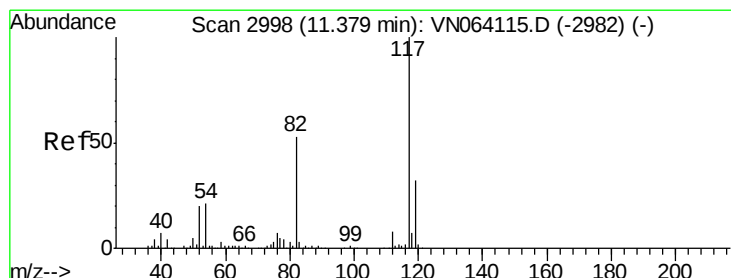
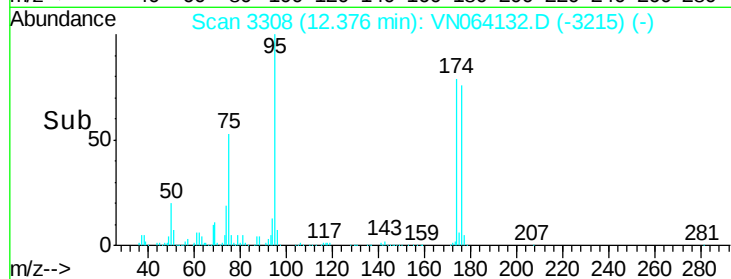
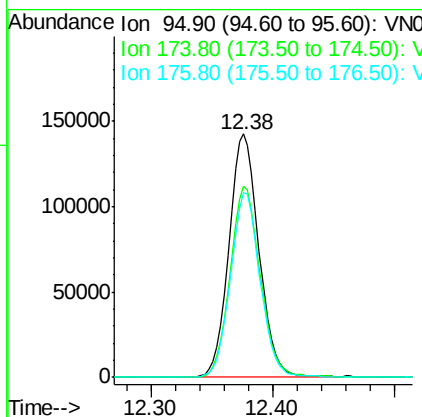
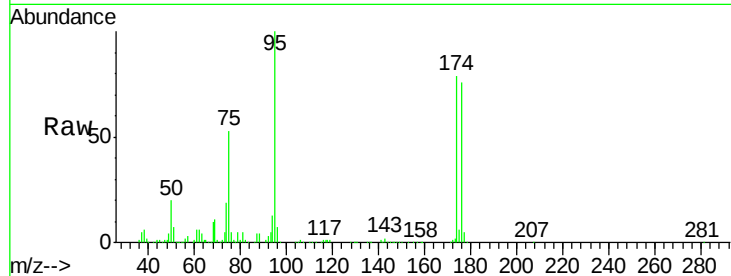




#62  
4-Bromofluorobenzene  
Concen: 50.734 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

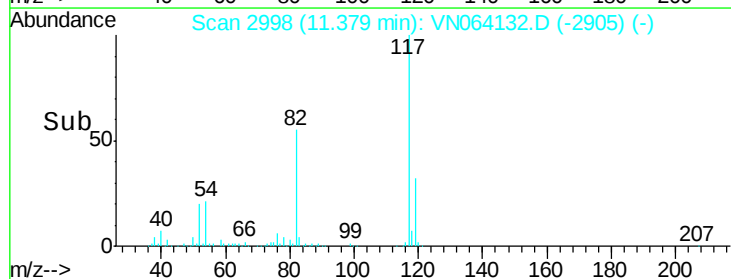
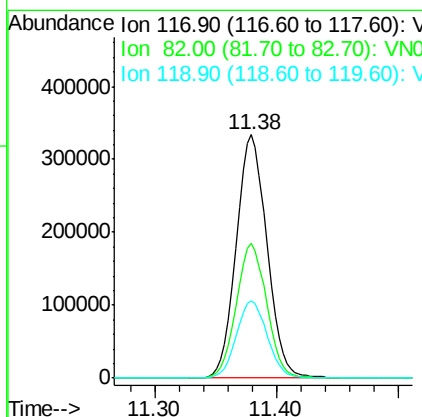
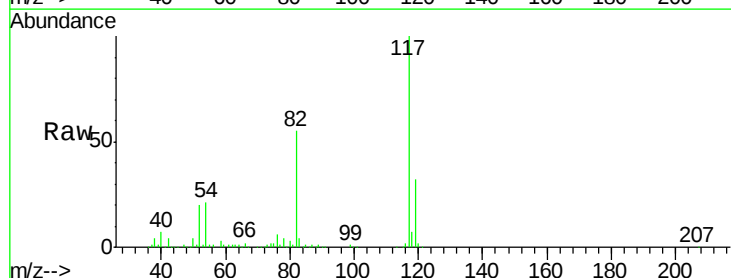
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-04-101320

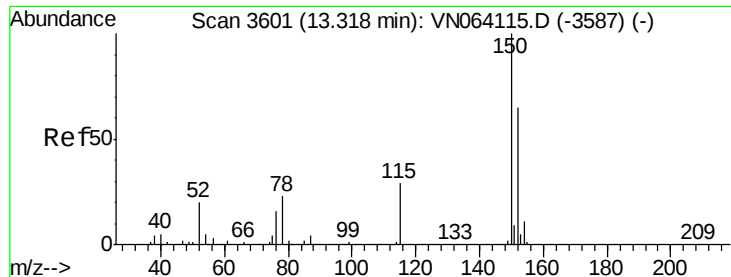
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.1  | 0.0   | 164.8 |
| 176     | 75.1  | 0.0   | 157.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064132.D  
Acq: 14 Oct 2020 23:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.1  | 42.6  | 63.8  |
| 119     | 32.0  | 25.5  | 38.3  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064132.D

Acq: 14 Oct 2020 23:19

Instrument :

MSVOA\_N

ClientSampleId :

TR-04-101320

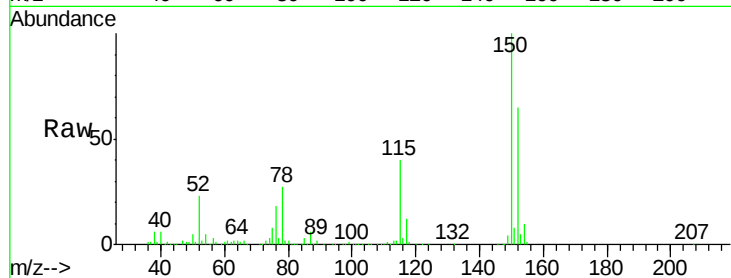
Tot Ion:152 Resp: 207184

Ion Ratio Lower Upper

152 100

115 61.4 29.3 87.8

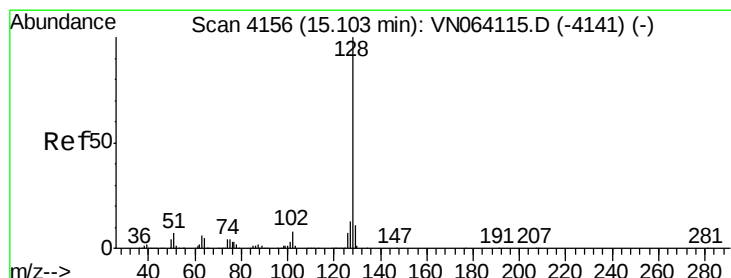
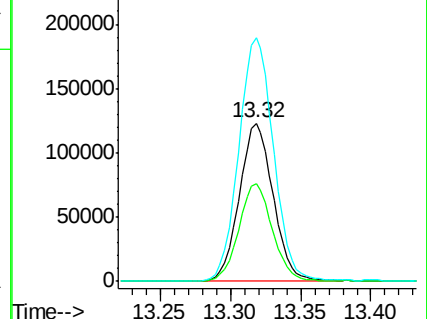
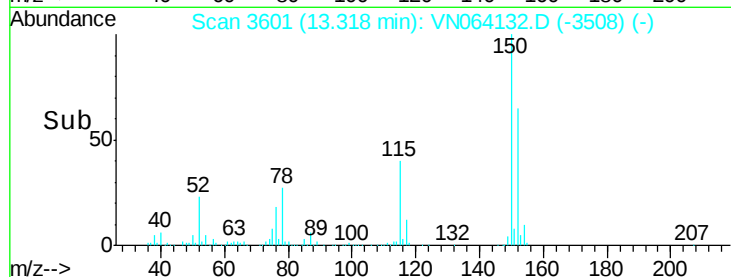
150 158.2 0.0 346.0



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



#95

Naphthalene

Concen: 5.330 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064132.D

Acq: 14 Oct 2020 23:19

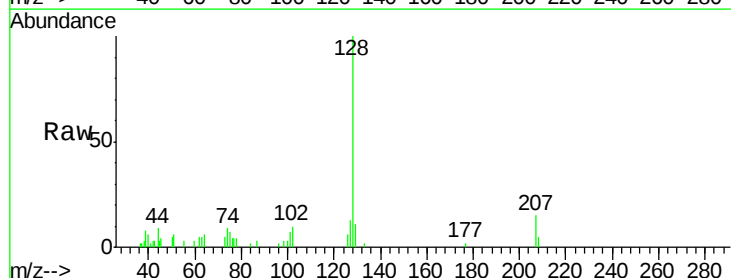
Tgt Ion:128 Resp: 16822

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.4

129 11.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

