

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\  
 Data File : VN064567.D  
 Acq On : 11 Nov 2020 20:04  
 Operator : JC/MD  
 Sample : PB132934ZHE#11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#11

Quant Time: Nov 12 02:47:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 12:09:03 2020  
 Response via : Initial Calibration

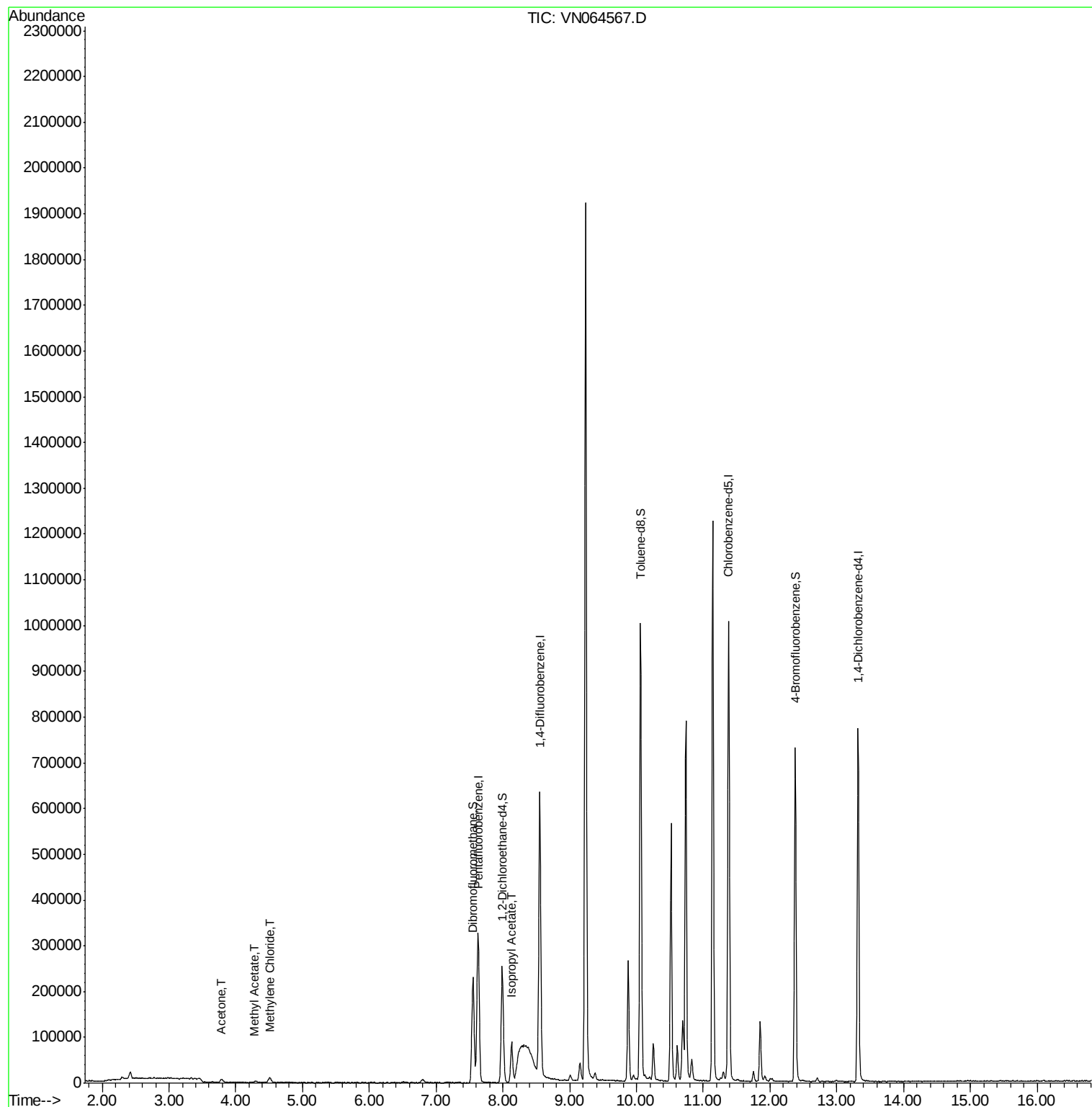
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 235420   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 515278   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 547510   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 193313   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 234793   | 57.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 172648   | 49.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.42%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 670400   | 49.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.88%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 245241   | 47.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.64%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 14226    | 9.107  | ug/l    | 96       |
| 18) Methyl Acetate          | 4.28  | 43   | 6863     | 2.235  | ug/l #  | 70       |
| 20) Methylene Chloride      | 4.51  | 84   | 7745     | 2.499  | ug/l #  | 82       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 101342   | 11.488 | ug/l    | 98       |

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

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MSVOA\_N  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 12:09:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064567.D

Acq: 11 Nov 2020 20:04

Instrument :

MSVOA\_N

ClientSampleId :

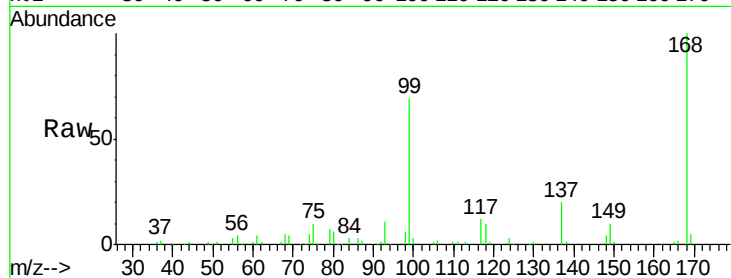
PB132934ZHE#11

Tot Ion:168 Resp: 235420

Ion Ratio Lower Upper

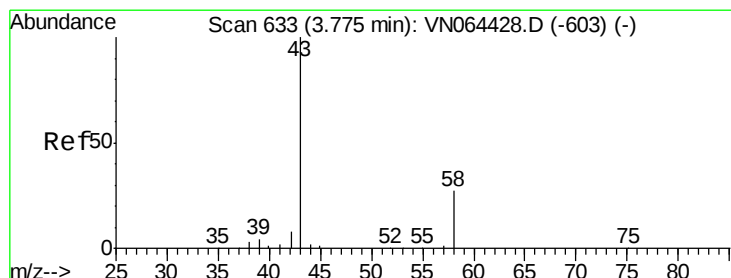
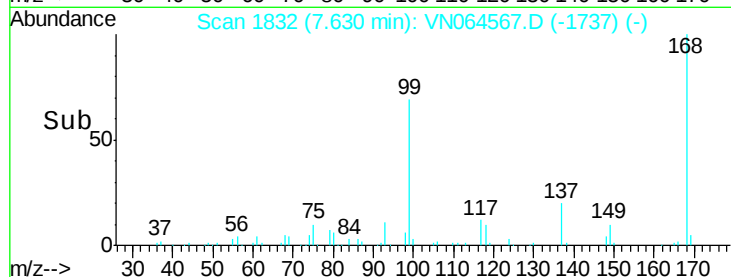
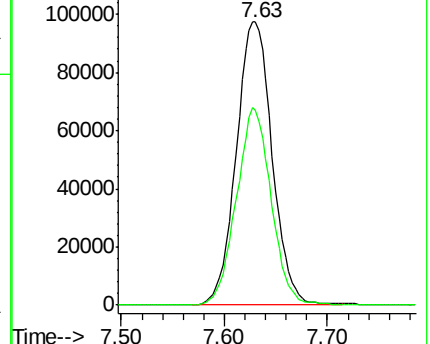
168 100

99 69.1 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 9.107 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064567.D

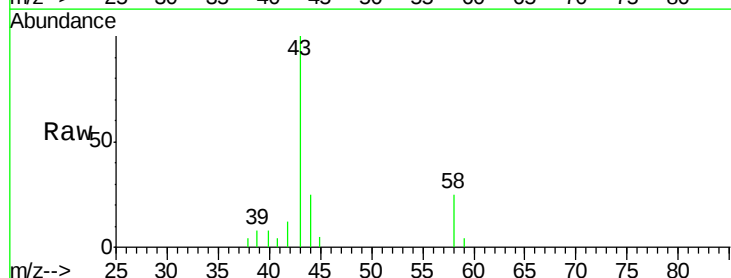
Acq: 11 Nov 2020 20:04

Tgt Ion: 43 Resp: 14226

Ion Ratio Lower Upper

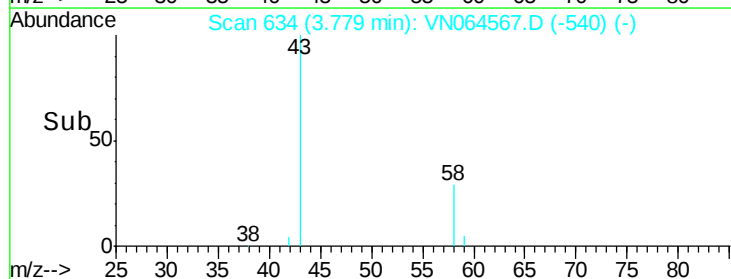
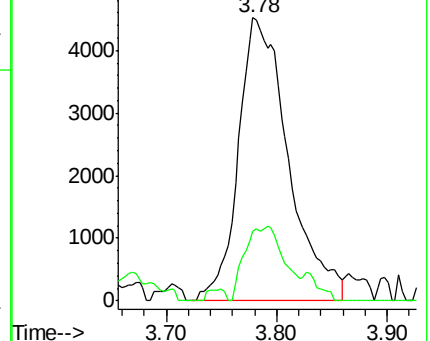
43 100

58 24.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

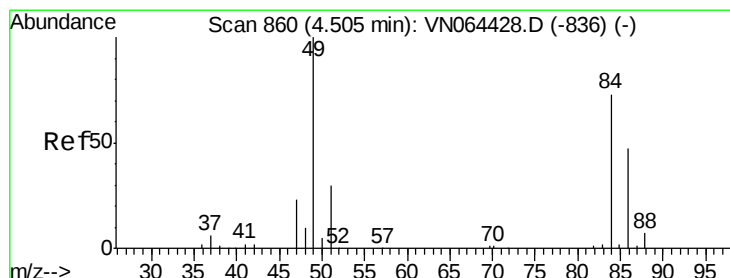
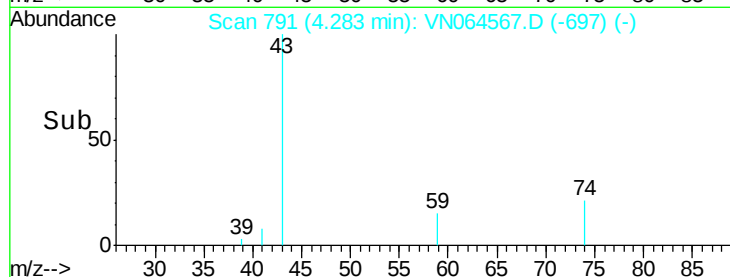
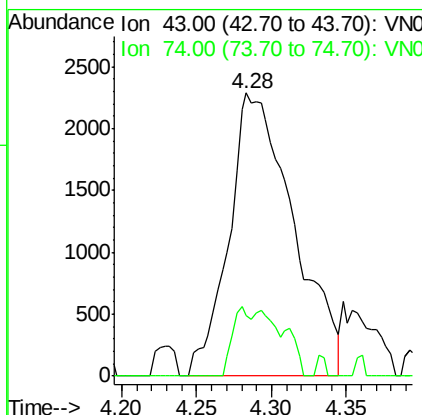
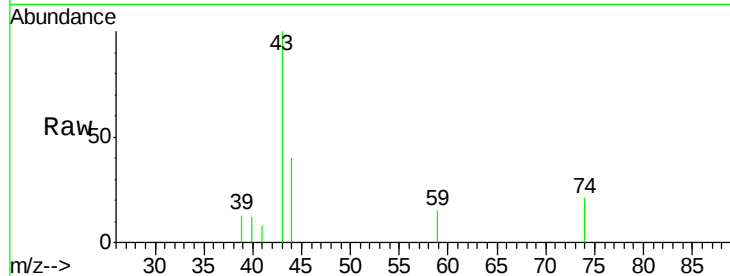




#18  
Methyl Acetate  
Concen: 2.235 ug/l  
RT: 4.28 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: VN064567.D  
Acq: 11 Nov 2020 20:04

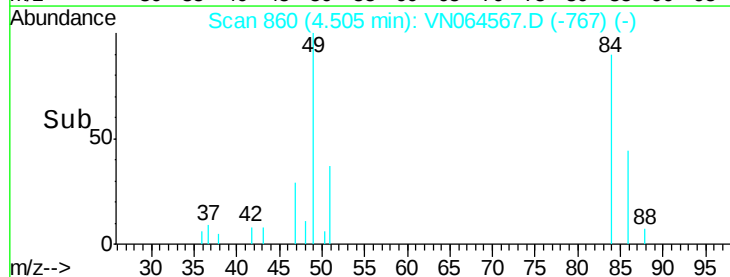
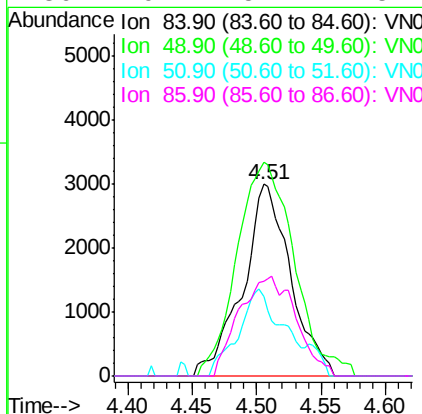
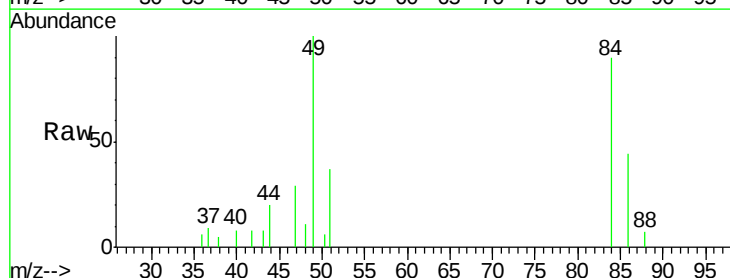
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#11

Tot Ion: 43 Resp: 6863  
Ion Ratio Lower Upper  
43 100  
74 7.0 17.0 25.4#



#20  
Methylene Chloride  
Concen: 2.499 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VN064567.D  
Acq: 11 Nov 2020 20:04

Tgt Ion: 84 Resp: 7745  
Ion Ratio Lower Upper  
84 100  
49 111.3 110.1 165.1  
51 41.5 33.6 50.4  
86 49.1 52.1 78.1#

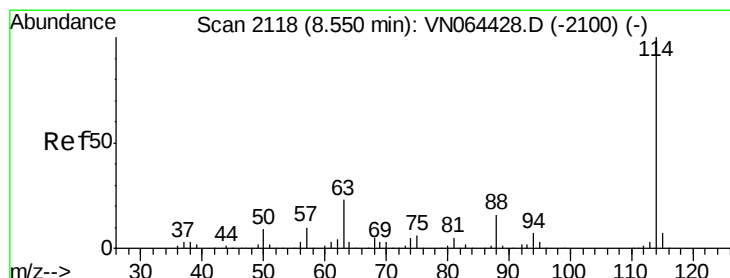
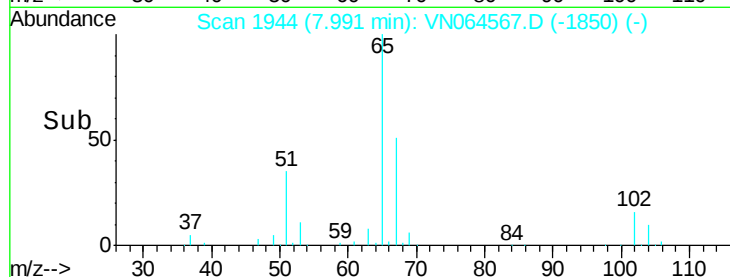
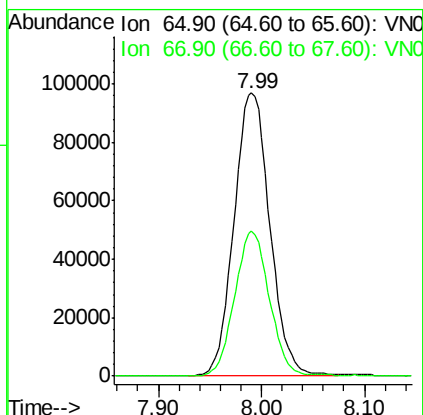
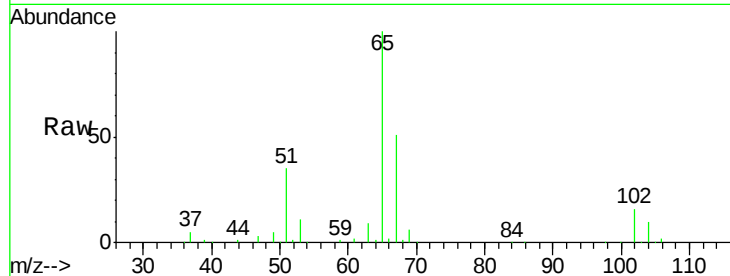




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.258 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN064567.D  
 Acq: 11 Nov 2020 20:04

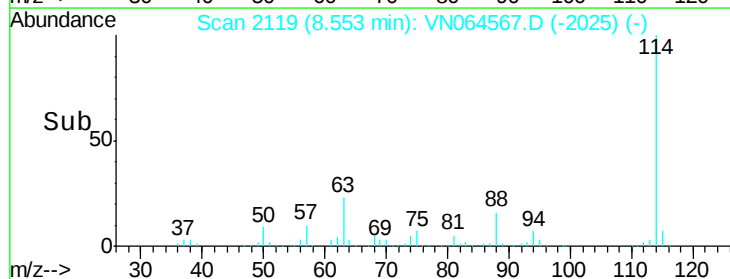
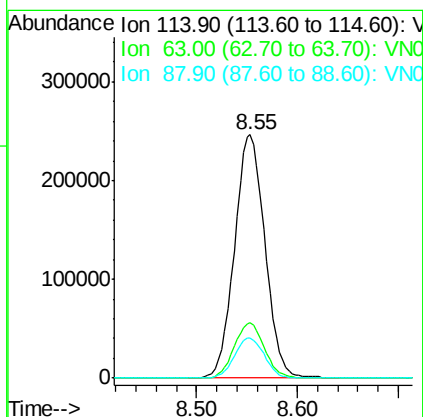
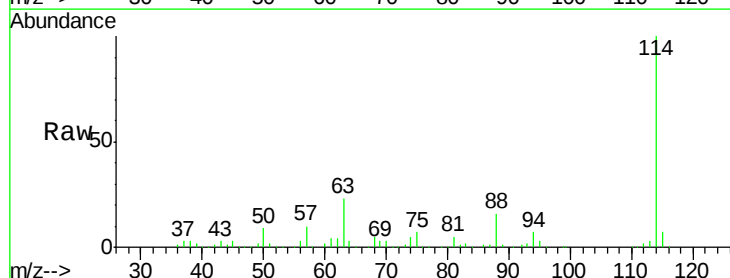
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#11

Tot Ion: 65 Resp: 234793  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN064567.D  
 Acq: 11 Nov 2020 20:04

Tgt Ion: 114 Resp: 515278  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 45.6  
 88 16.4 0.0 32.8

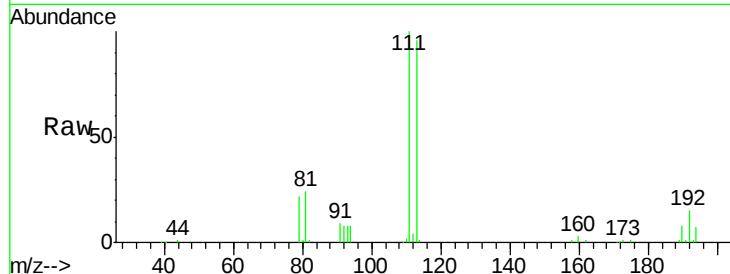




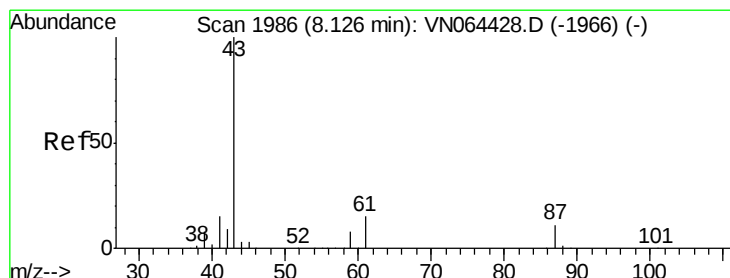
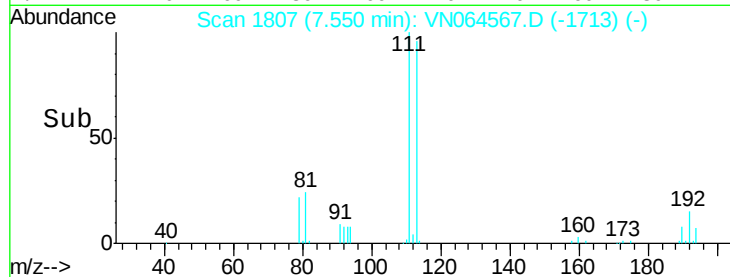
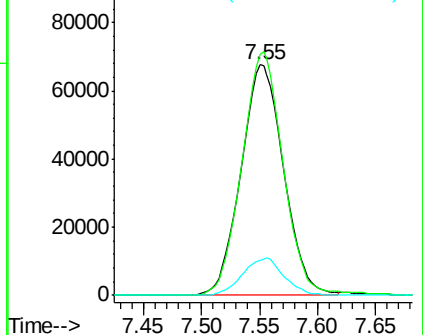
#35  
 Dibromofluoromethane  
 Concen: 49.211 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064567.D  
 Acq: 11 Nov 2020 20:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#11

Tot Ion:113 Resp: 172648  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.1 121.7  
 192 15.6 12.8 19.2

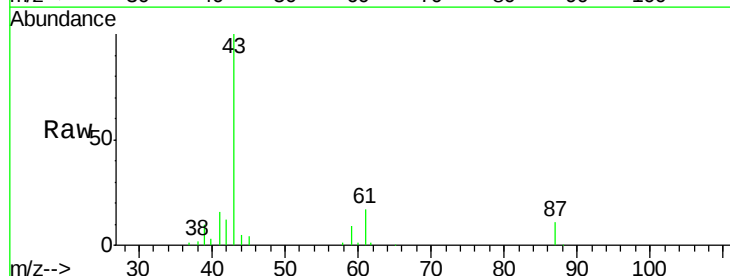


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

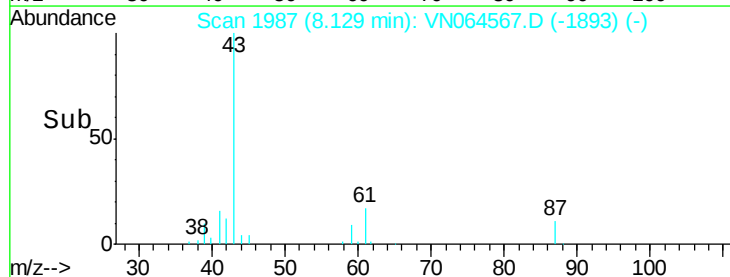
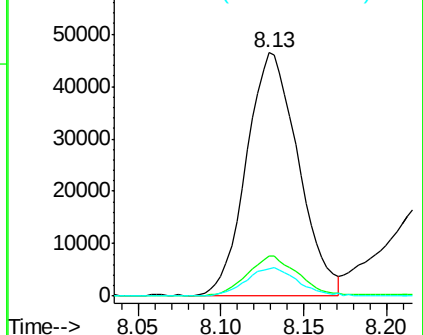


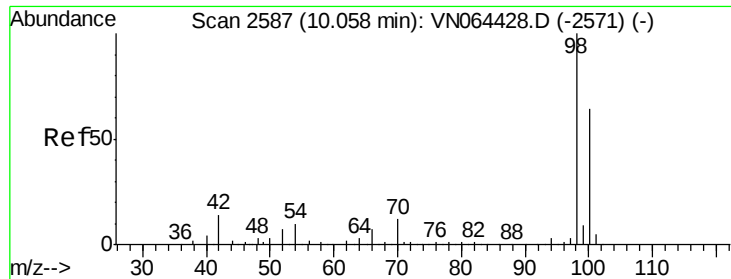
#43  
 Isopropyl Acetate  
 Concen: 11.488 ug/l  
 RT: 8.13 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VN064567.D  
 Acq: 11 Nov 2020 20:04

Tgt Ion: 43 Resp: 101342  
 Ion Ratio Lower Upper  
 43 100  
 61 16.1 14.0 21.0  
 87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.440 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064567.D

Acq: 11 Nov 2020 20:04

Instrument :

MSVOA\_N

ClientSampleId :

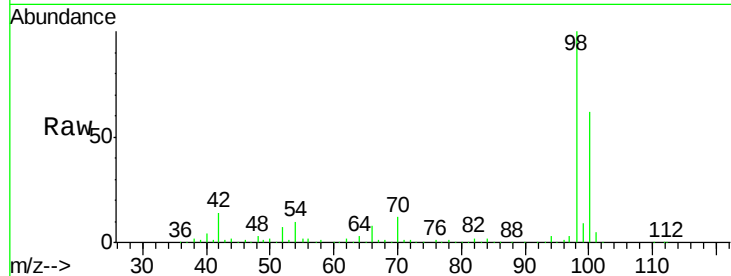
PB132934ZHE#11

Tot Ion: 98 Resp: 670400

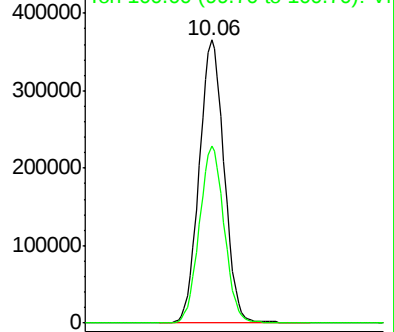
Ion Ratio Lower Upper

98 100

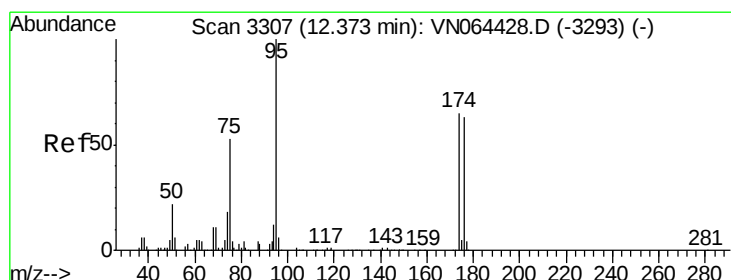
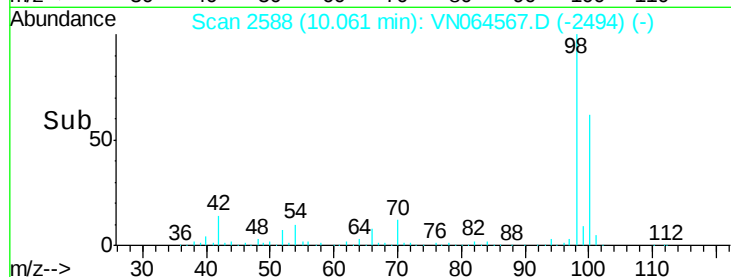
100 62.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 47.823 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.01 min

Lab File: VN064567.D

Acq: 11 Nov 2020 20:04

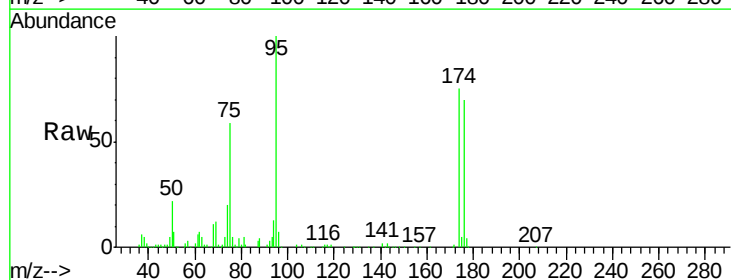
Tgt Ion: 95 Resp: 245241

Ion Ratio Lower Upper

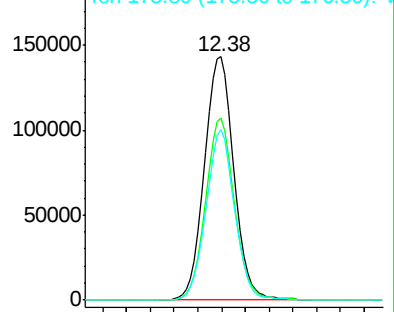
95 100

174 73.4 0.0 132.6

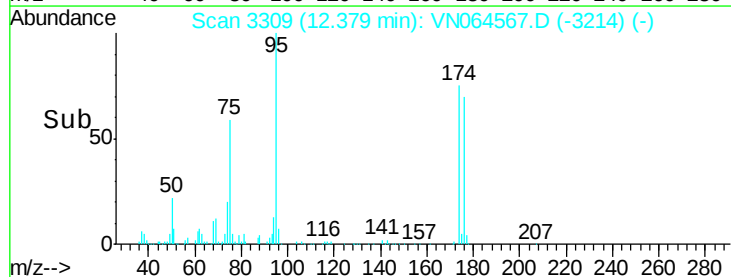
176 67.9 0.0 129.2

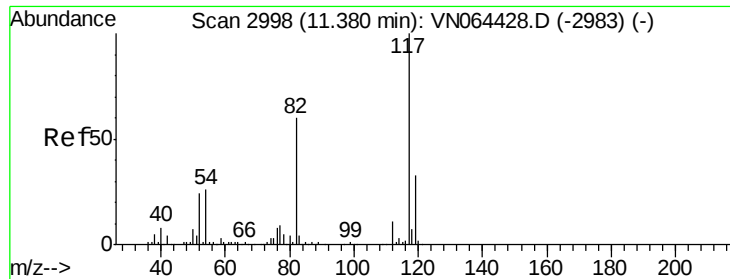


Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)



Time-->

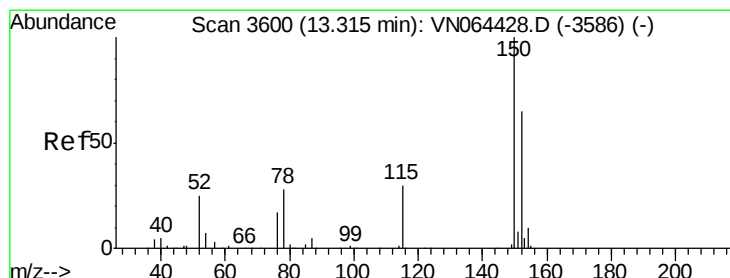
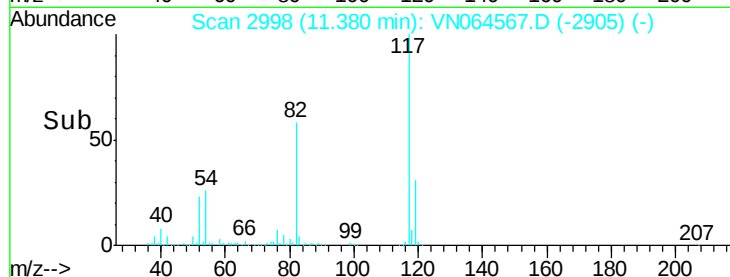
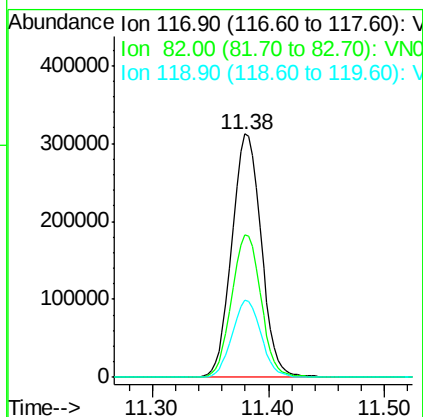
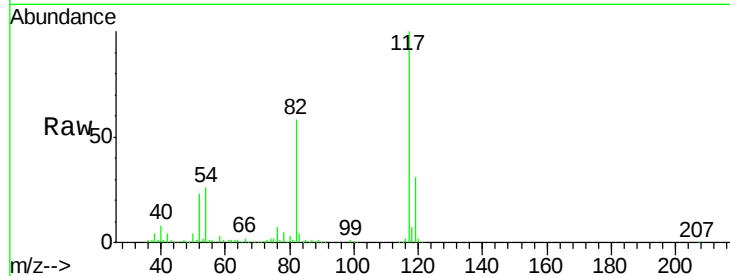




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064567.D  
Acq: 11 Nov 2020 20:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#11

Tot Ion:117 Resp: 547510  
Ion Ratio Lower Upper  
117 100  
82 58.3 48.1 72.1  
119 31.5 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064567.D  
Acq: 11 Nov 2020 20:04

Tgt Ion:152 Resp: 193313  
Ion Ratio Lower Upper  
152 100  
115 65.0 32.0 96.0  
150 156.4 0.0 353.8

