

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\  
 Data File : VN053614.D  
 Acq On : 5 Feb 2019 12:42  
 Operator : JC/SP  
 Sample : K1346-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-020419-B

Quant Time: Feb 06 04:10:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

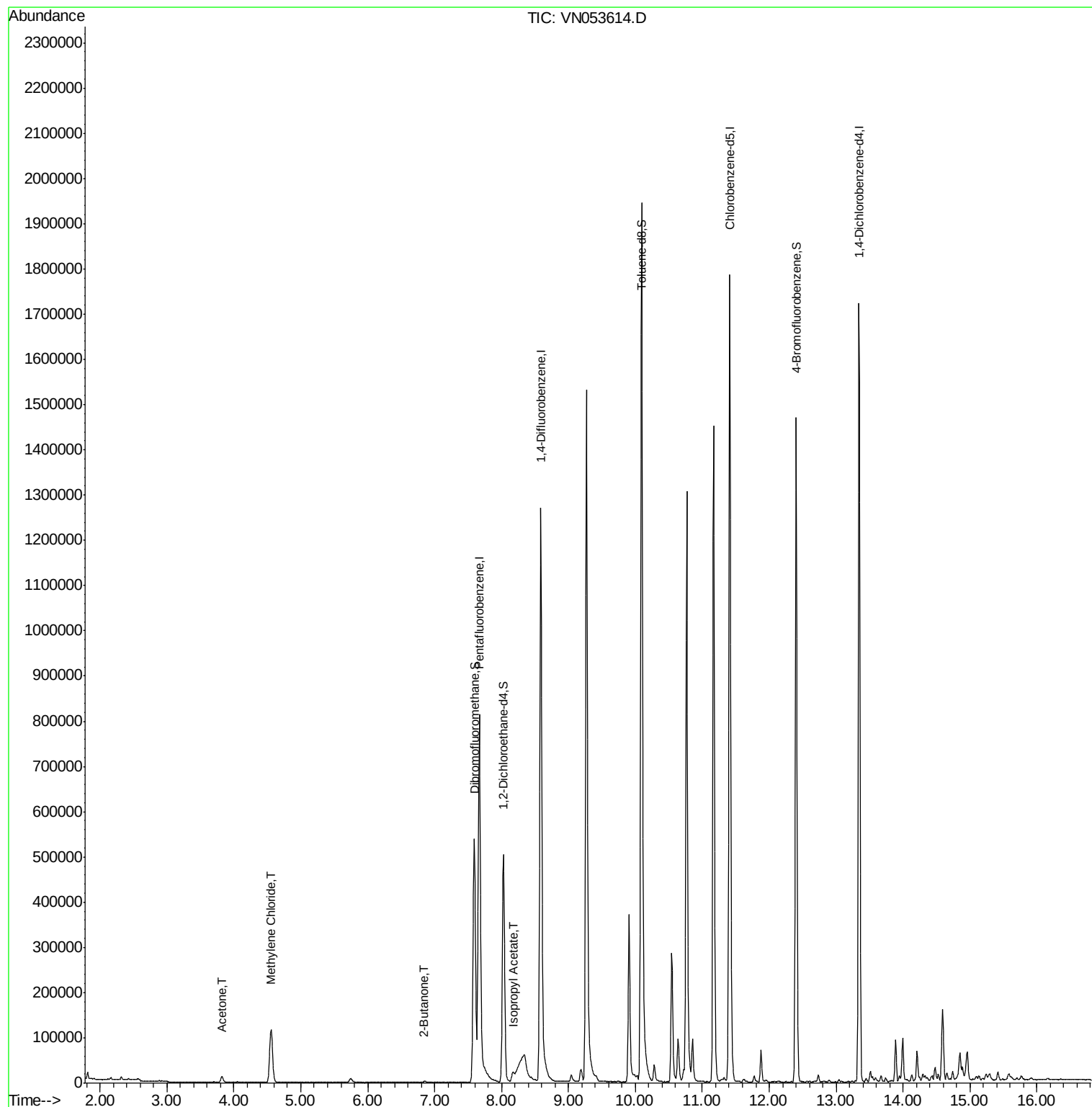
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 823816   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1328587  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1203505  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 494147   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 428215   | 51.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.62% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 421972   | 50.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.52% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1605268  | 50.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.86% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 524355   | 49.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 24114    | 11.375 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.56  | 84   | 96295    | 10.827 | ug/l    | 98       |
| 25) 2-Butanone              | 6.84  | 43   | 5500     | 1.819  | ug/l #  | 84       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 30900    | 2.392  | ug/l #  | 86       |

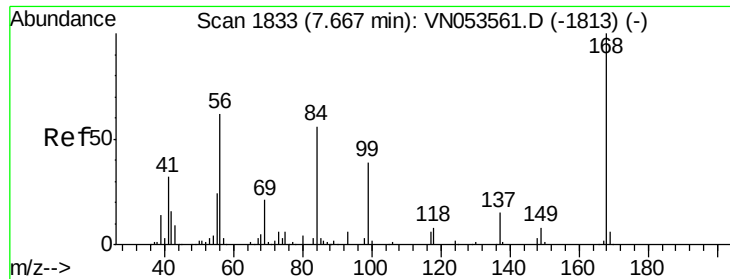
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020519\  
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QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053614.D

Acq: 5 Feb 2019 12:42

Instrument :

MSVOA\_N

ClientSampleId :

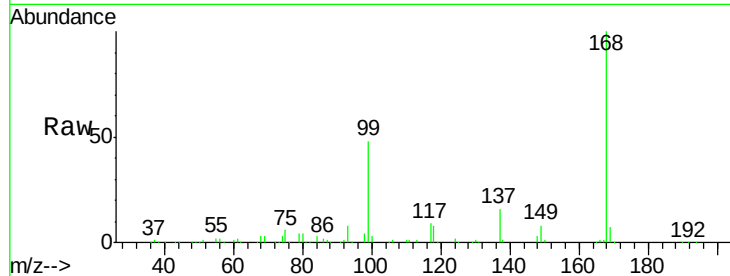
CL-02-020419-B

Tot Ion:168 Resp: 823816

Ion Ratio Lower Upper

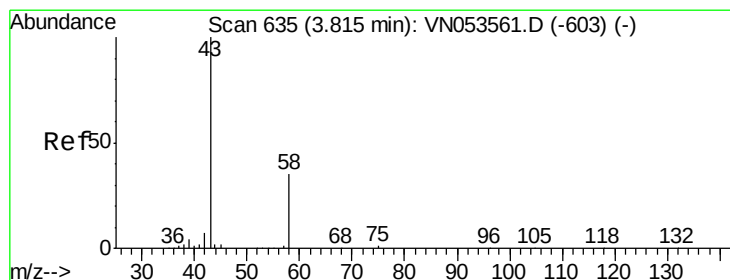
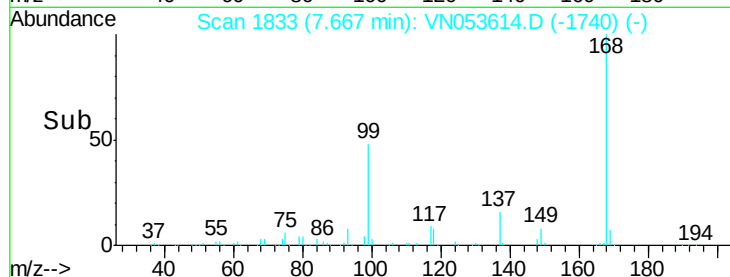
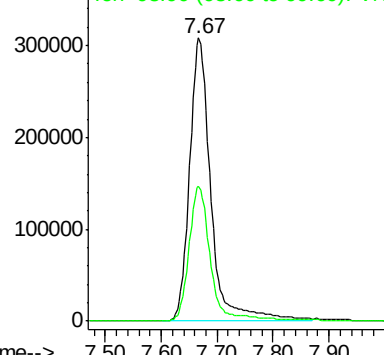
168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 11.375 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053614.D

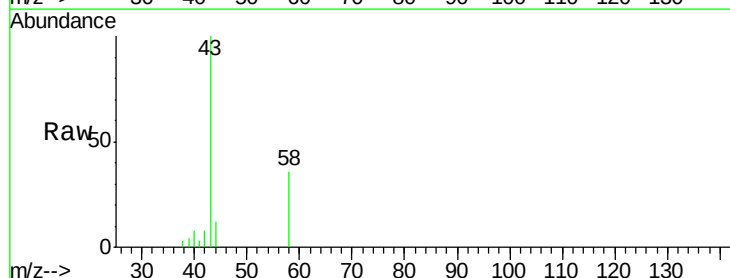
Acq: 5 Feb 2019 12:42

Tgt Ion: 43 Resp: 24114

Ion Ratio Lower Upper

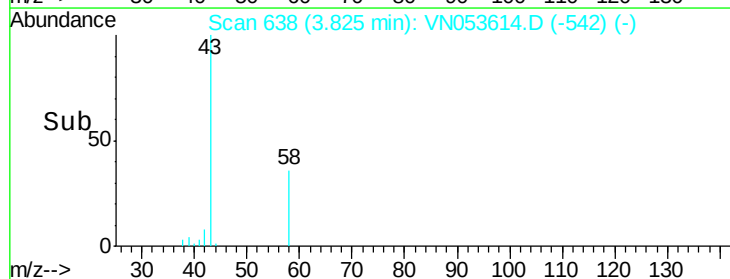
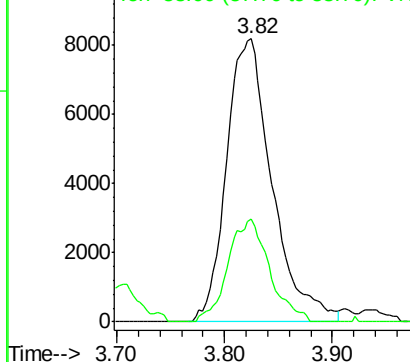
43 100

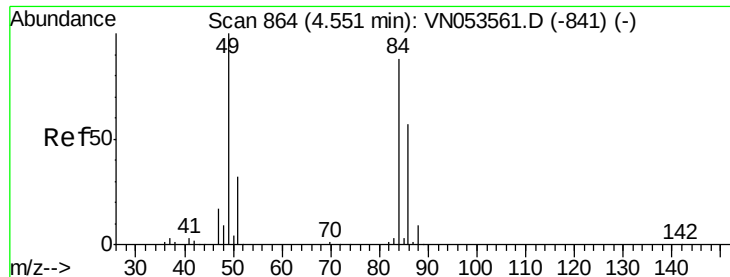
58 36.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

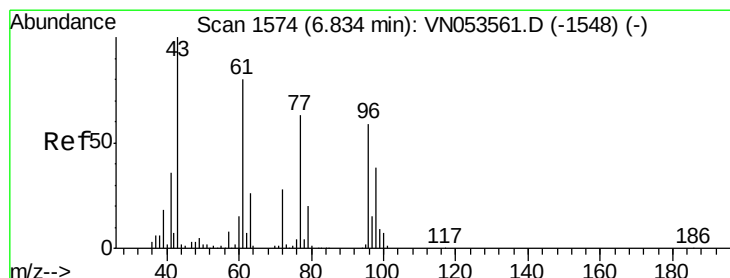
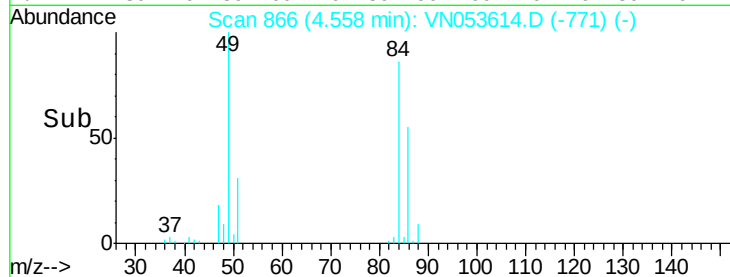
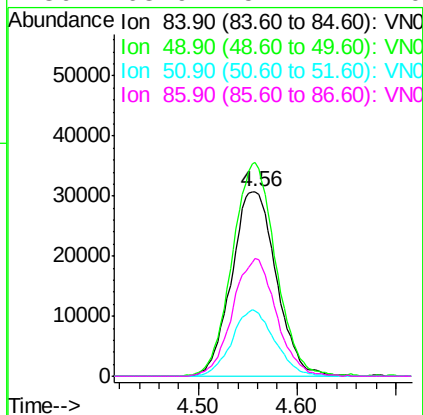
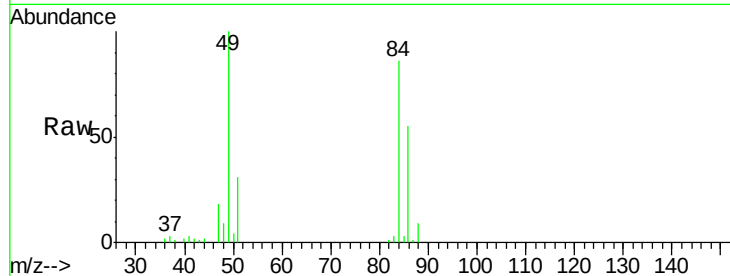




#20  
Methvlene Chloride  
Concen: 10.827 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VN053614.D  
Acq: 5 Feb 2019 12:42

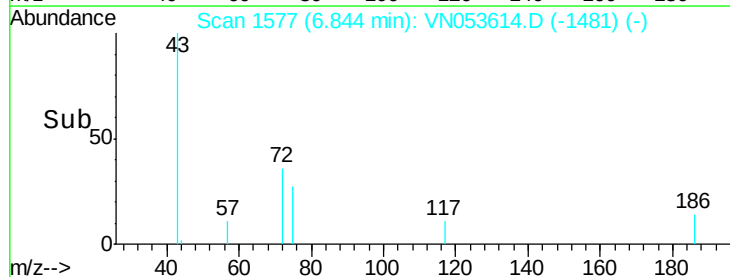
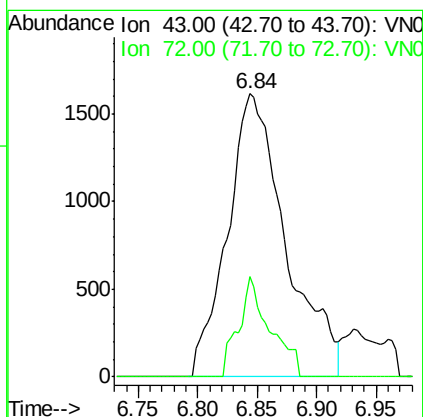
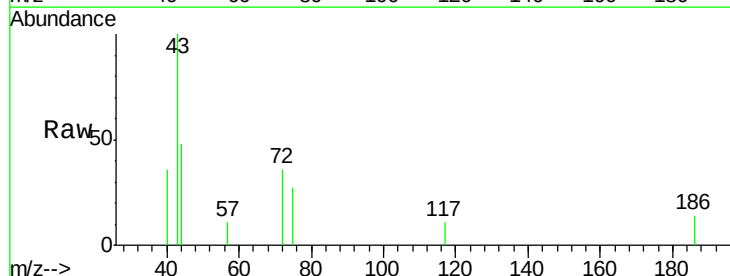
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-020419-B

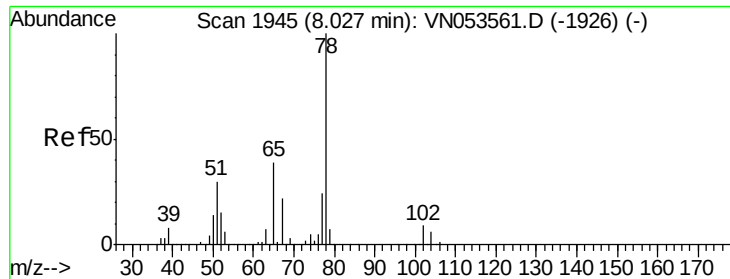
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 96295 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.1 | 94.3  | 141.5 |
| 51       | 35.6  | 29.4  | 44.2  |
| 86       | 63.9  | 51.4  | 77.0  |



#25  
2-Butanone  
Concen: 1.819 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN053614.D  
Acq: 5 Feb 2019 12:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5500  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 35.7  | 22.0  | 33.0# |

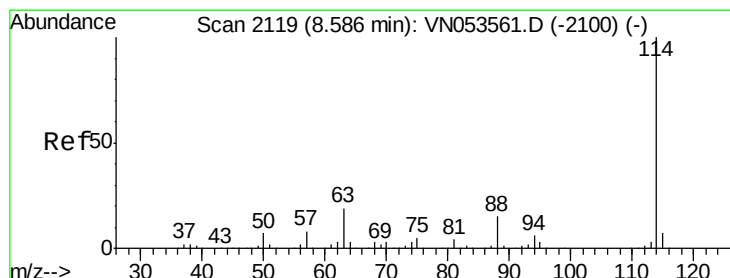
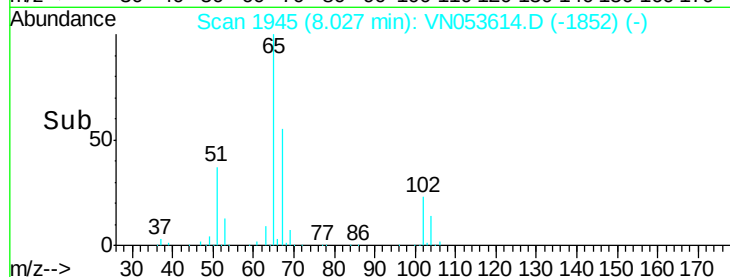
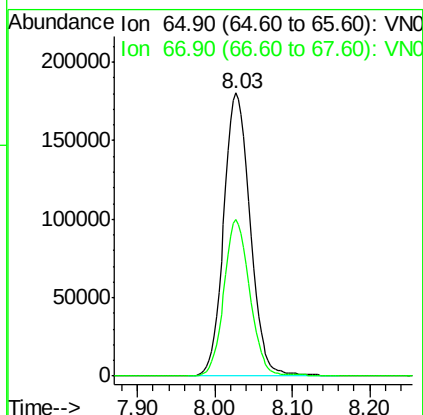
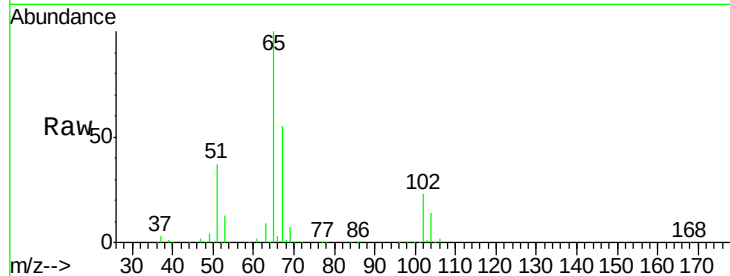




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053614.D  
 Acq: 5 Feb 2019 12:42

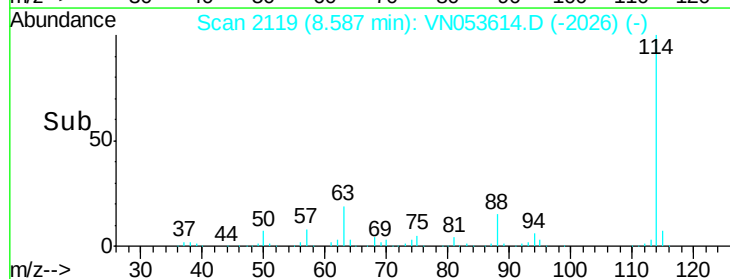
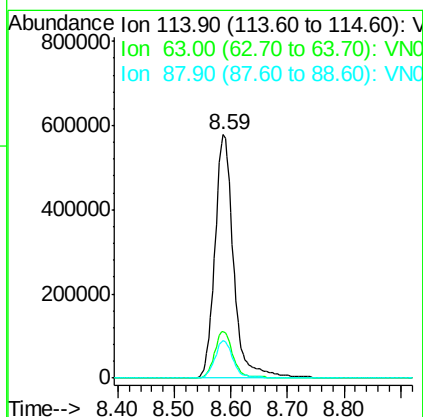
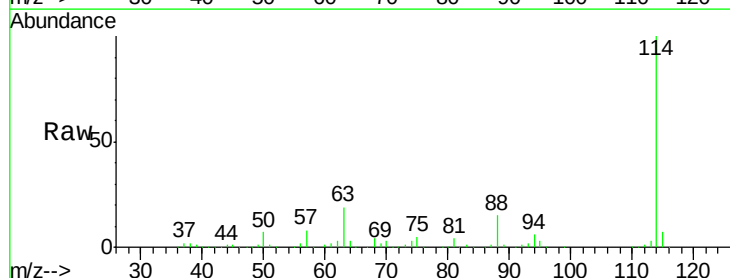
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-020419-B

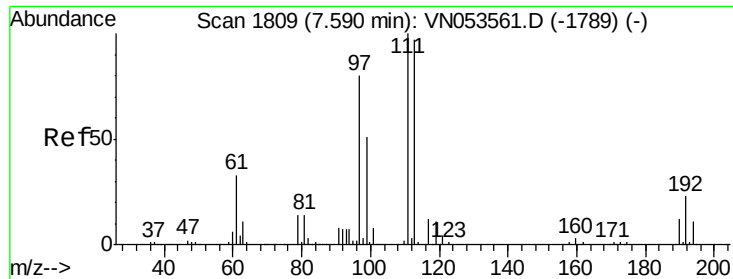
Tot Ion: 65 Resp: 428215  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 111.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053614.D  
 Acq: 5 Feb 2019 12:42

Tgt Ion: 114 Resp: 1328587  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 38.6  
 88 15.2 0.0 30.4

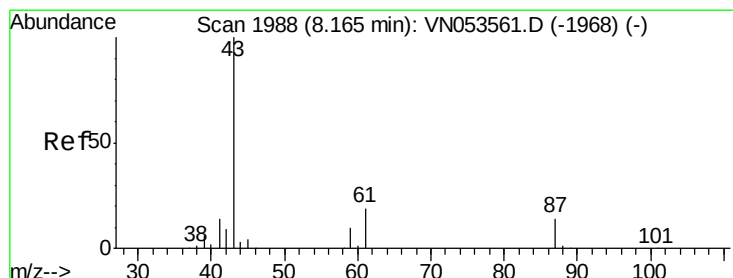
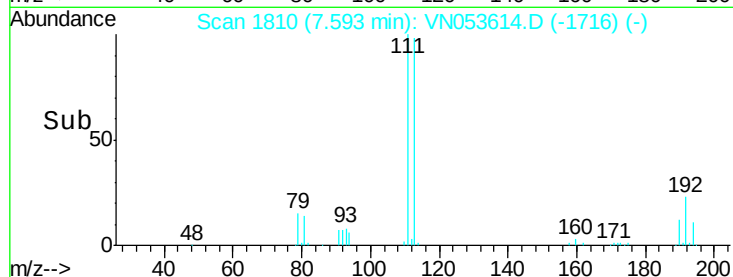
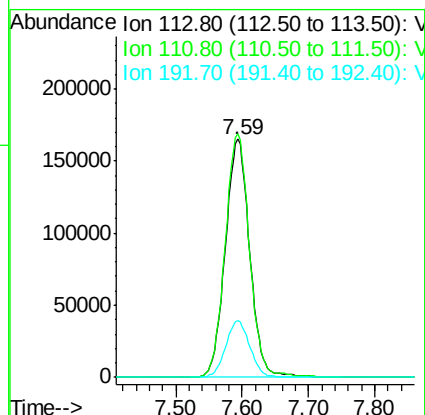
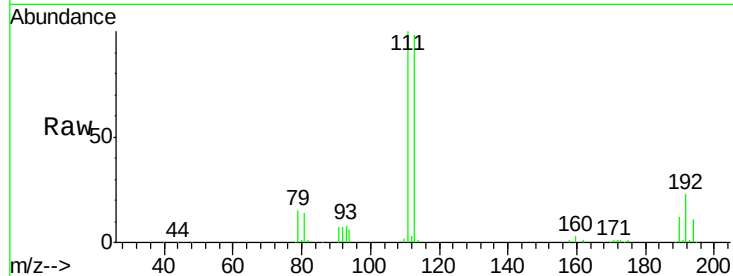




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053614.D  
 Acq: 5 Feb 2019 12:42

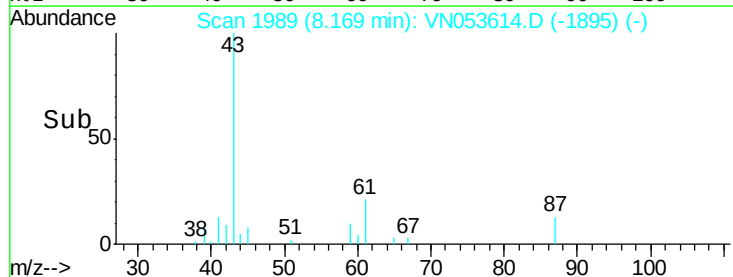
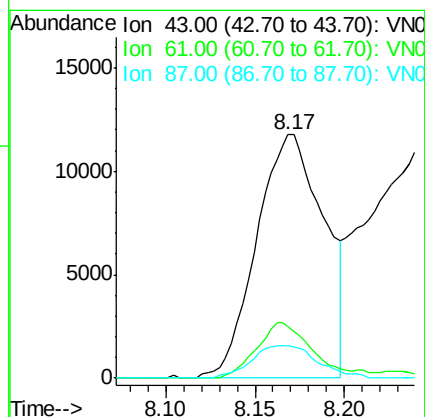
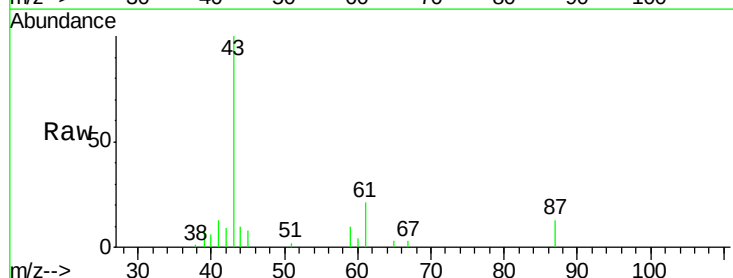
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-020419-B

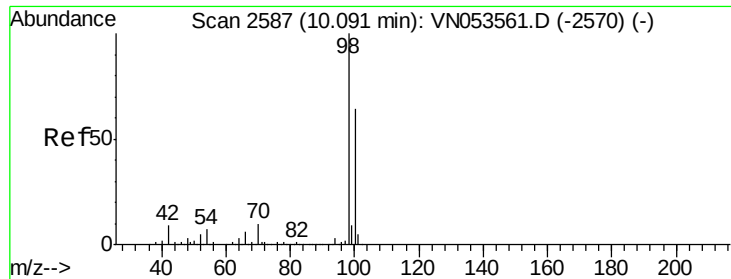
Tot Ion:113 Resp: 421972  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.1 121.7  
 192 23.5 18.2 27.2



#43  
 Isopropyl Acetate  
 Concen: 2.392 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN053614.D  
 Acq: 5 Feb 2019 12:42

Tgt Ion: 43 Resp: 30900  
 Ion Ratio Lower Upper  
 43 100  
 61 19.3 23.9 35.9#  
 87 12.9 11.0 16.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053614.D

Acq: 5 Feb 2019 12:42

Instrument :

MSVOA\_N

ClientSampled :

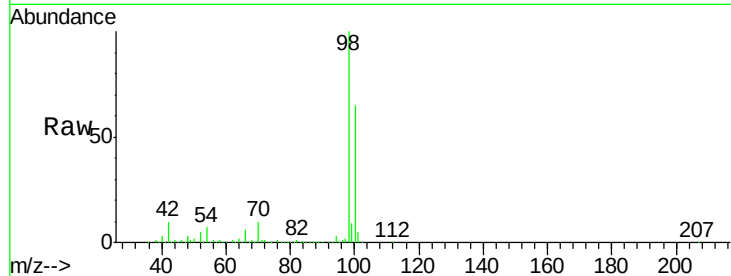
CL-02-020419-B

Tot Ion: 98 Resp: 1605268

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

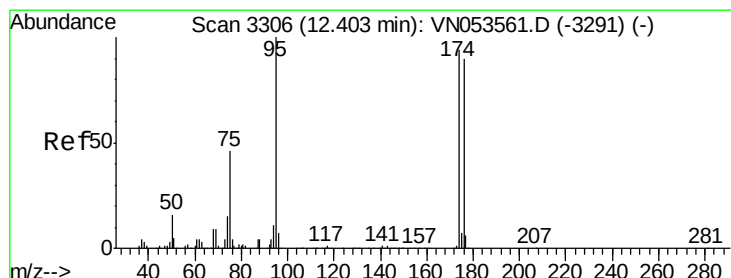
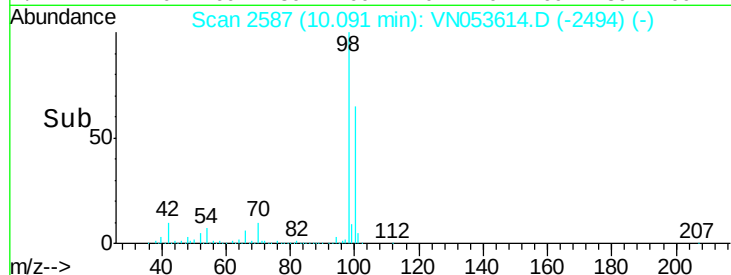
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053614.D

Acq: 5 Feb 2019 12:42

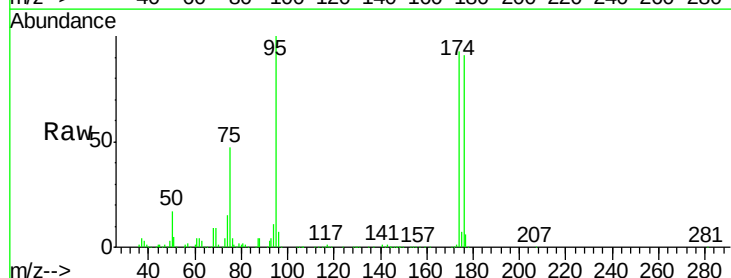
Tgt Ion: 95 Resp: 524355

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.2

176 90.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

12.40

400000

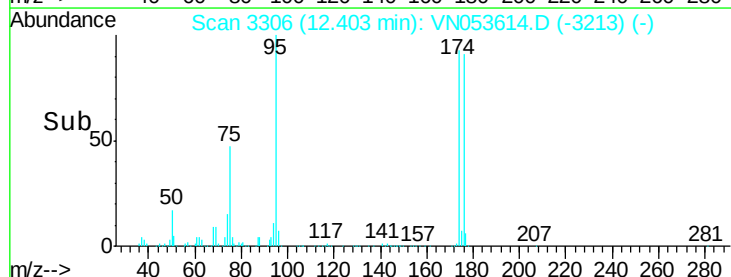
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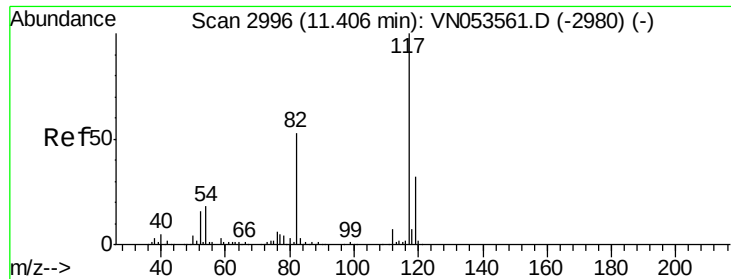
200000

100000

0

Time-->

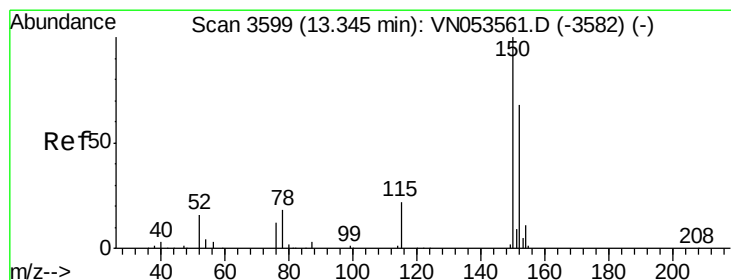
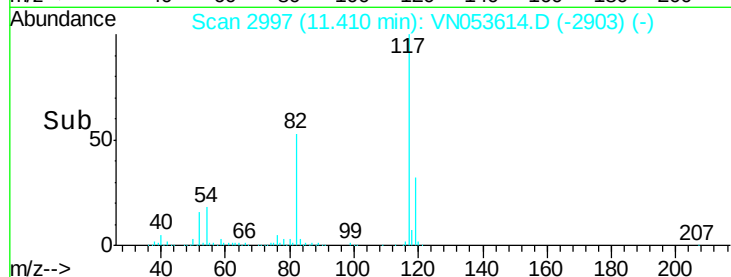
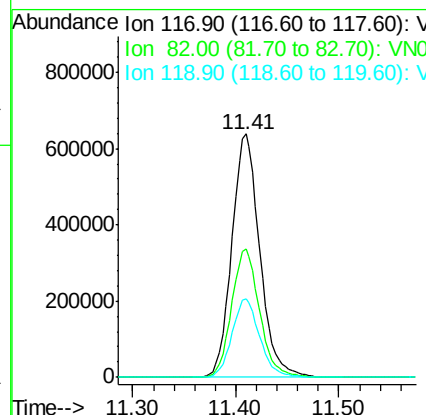
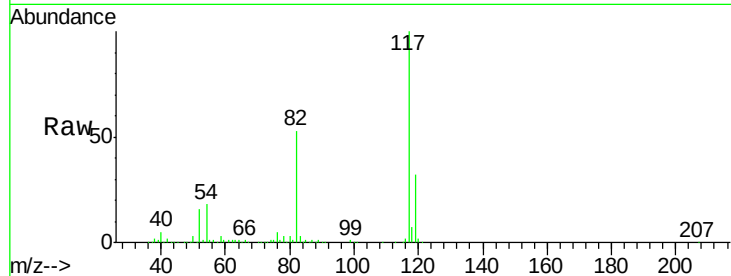




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053614.D  
Acq: 5 Feb 2019 12:42

Instrument :  
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CL-02-020419-B

Tot Ion:117 Resp: 1203505  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.9 64.3  
119 32.3 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053614.D  
Acq: 5 Feb 2019 12:42

Tgt Ion:152 Resp: 494147  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.8 83.4  
150 157.5 0.0 349.0

