

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\  
 Data File : VN064407.D  
 Acq On : 30 Oct 2020 18:03  
 Operator : JC/MD  
 Sample : L4568-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CHASSIS-WASH

Manual Integrations  
 APPROVED

MMDadoda  
 11/2/2020 4:12:09 PM

Quant Time: Nov 02 03:17:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 201978   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 365197   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 363771   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 154371   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 169790   | 52.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.62% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 120070   | 49.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.60%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 457117   | 50.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.48% |          |
| 62) 4-Bromofluorobenzene    | 12.37 | 95   | 194058   | 55.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.50% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 43859    | 33.267 | ug/l    | 98       |
| 18) Methyl Acetate          | 4.28  | 43   | 3442m    | 1.412  | ug/l    |          |
| 20) Methylene Chloride      | 4.51  | 84   | 17640    | 7.663  | ug/l    | 94       |
| 25) 2-Butanone              | 6.79  | 43   | 15018    | 9.215  | ug/l #  | 83       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 28413    | 4.465  | ug/l #  | 87       |
| 51) 4-Methyl-2-Pentanone    | 9.95  | 43   | 76962    | 20.804 | ug/l    | 95       |

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

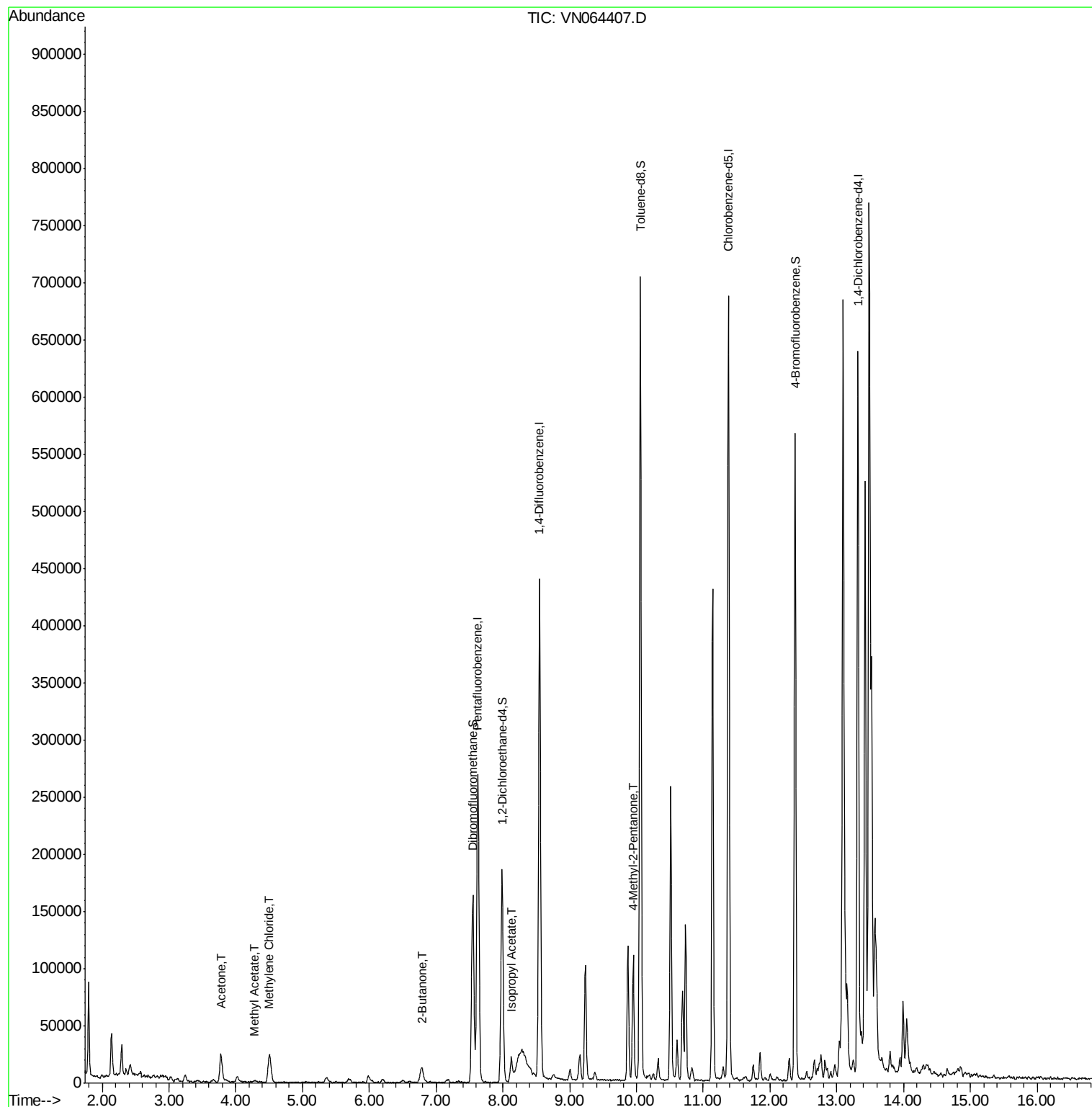
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN103020\  
Data File : VN064407.D  
Acq On : 30 Oct 2020 18:03  
Operator : JC/MD  
Sample : L4568-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 20 Sample Multiplier: 1

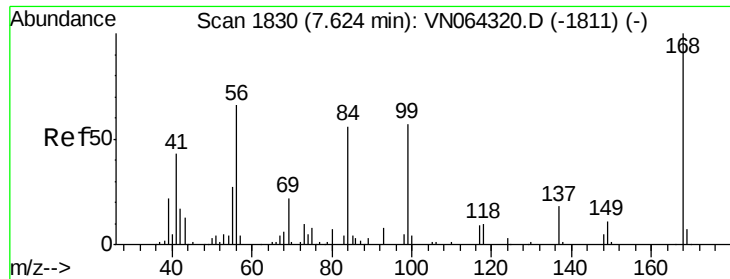
Instrument :  
MSVOA\_N  
ClientSampled :  
CHASSIS-WASH

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Quant Time: Nov 02 03:17:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 27 12:23:17 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: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

ClientSampleId :

CHASSIS-WASH

Tot Ion:168 Resp: 201978

Ion Ratio Lower Upper

168 100

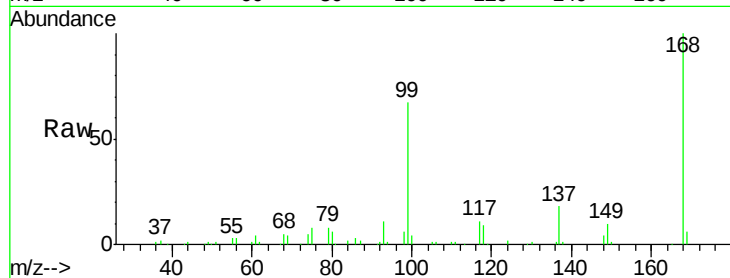
99 66.8 52.7 79.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

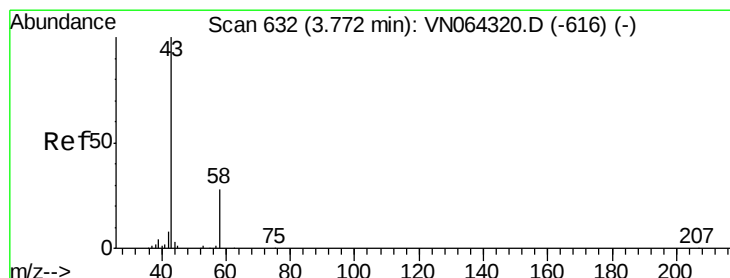
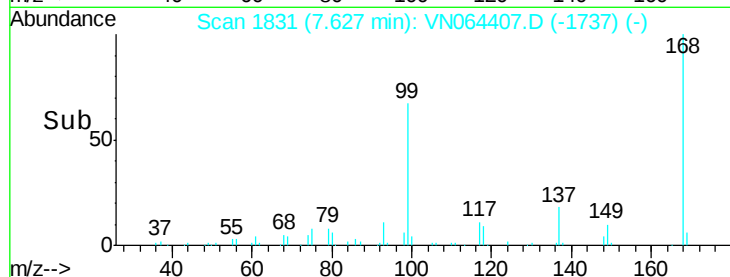
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 33.267 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064407.D

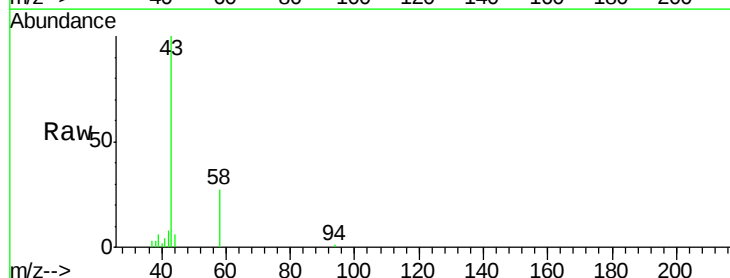
Acq: 30 Oct 2020 18:03

Tgt Ion: 43 Resp: 43859

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

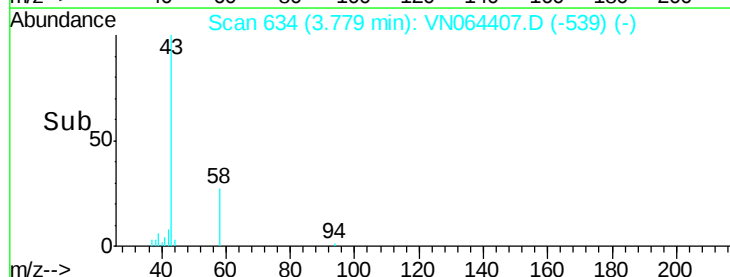
15000

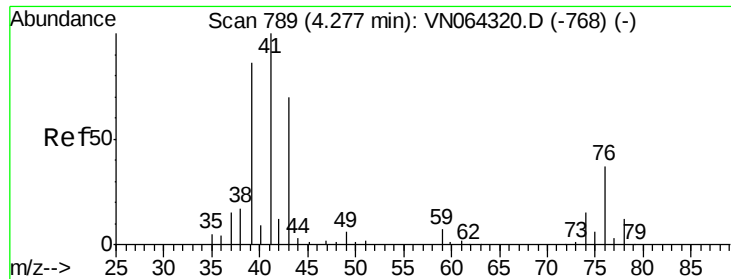
10000

5000

0

Time--> 3.70 3.75 3.80 3.85





#18

Methyl Acetate

Concen: 1.412 ug/l m

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

ClientSampleId :

CHASSIS-WASH

Tot Ion: 43 Resp: 3442

Ion Ratio Lower Upper

43 100

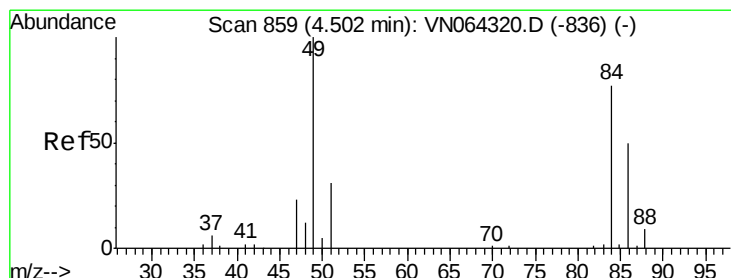
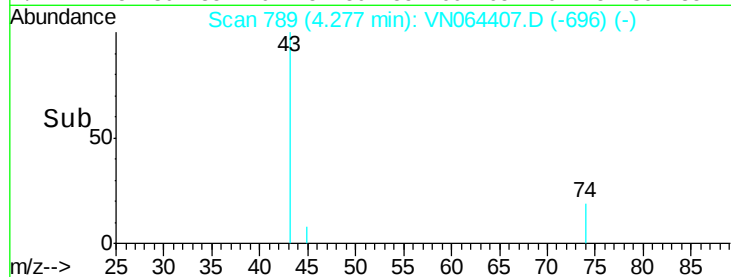
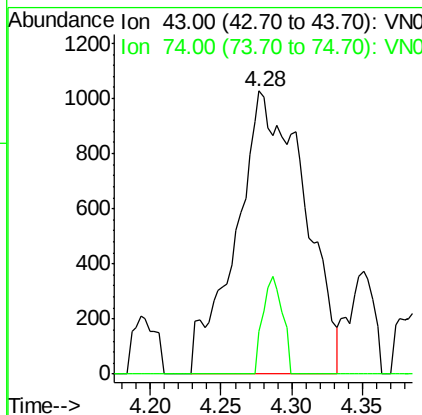
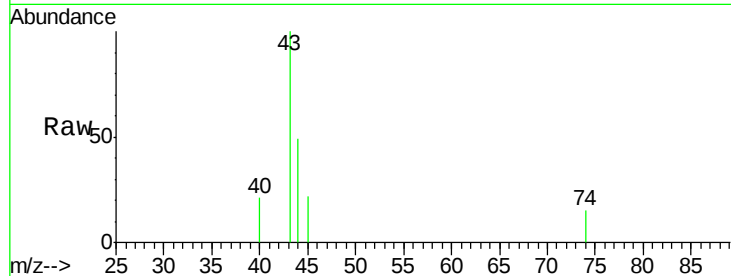
74 9.8 16.7 25.1#

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#20

Methylene Chloride

Concen: 7.663 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Tgt Ion: 84 Resp: 17640

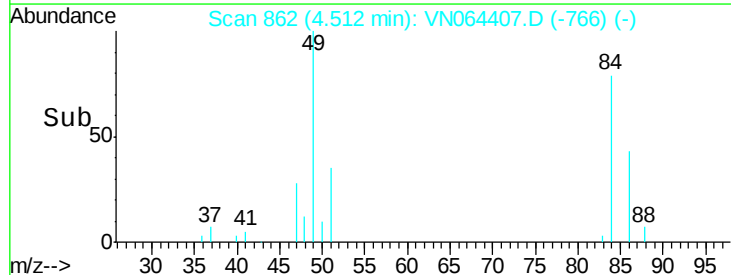
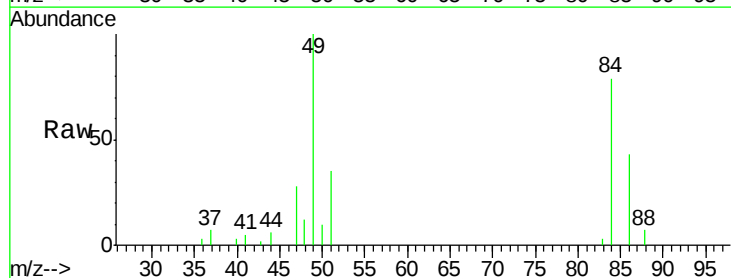
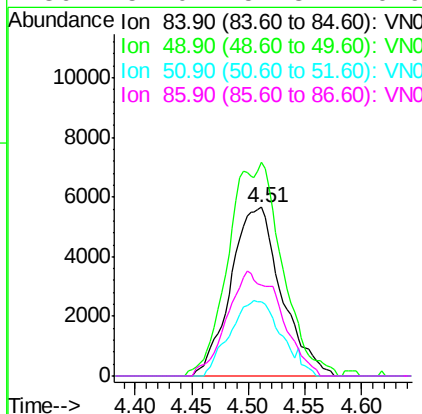
Ion Ratio Lower Upper

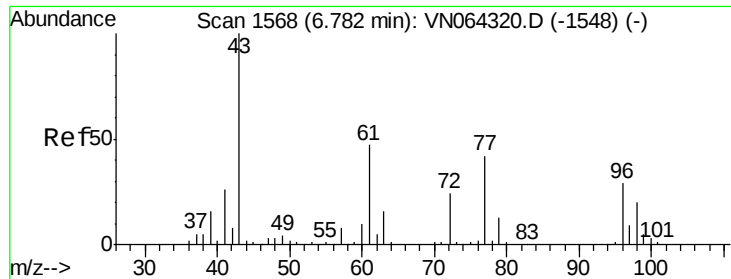
84 100

49 126.6 103.6 155.4

51 44.0 31.8 47.8

86 54.0 51.3 76.9





#25

2-Butanone

Concen: 9.215 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

ClientSampleId :

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Tot Ion: 43 Resp: 15018

Ion Ratio Lower Upper

43 100

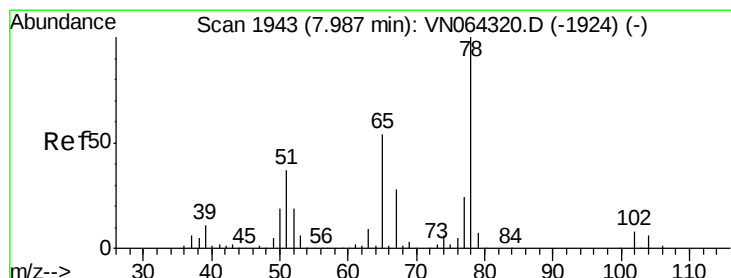
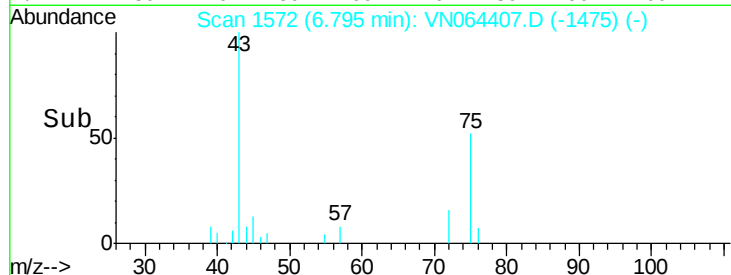
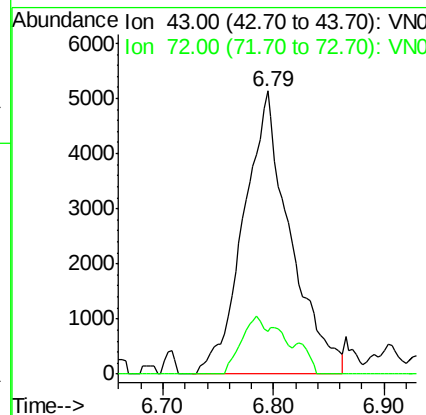
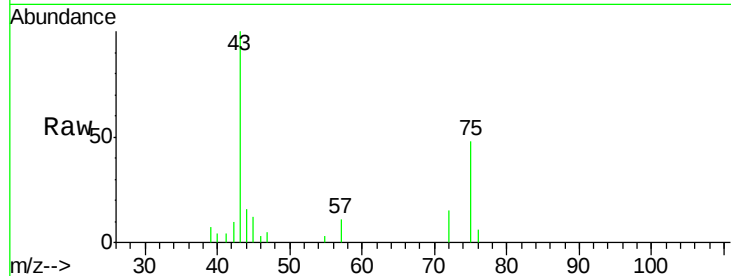
72 15.2 18.8 28.2#

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#33

1,2-Dichloroethane-d4

Concen: 52.311 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064407.D

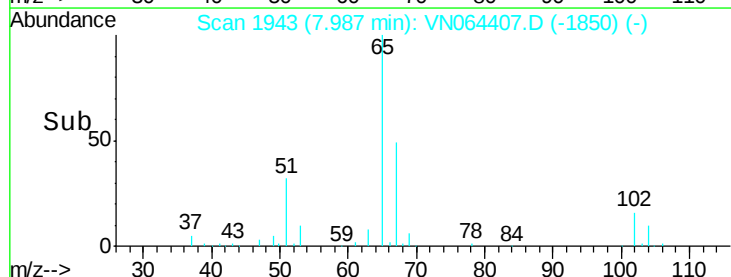
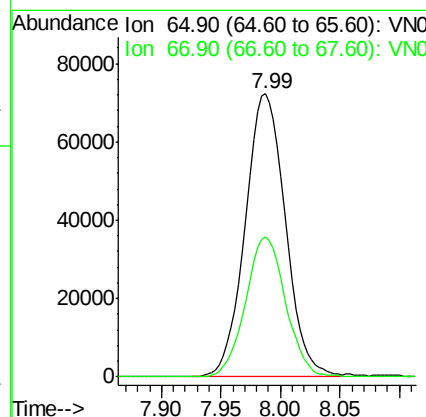
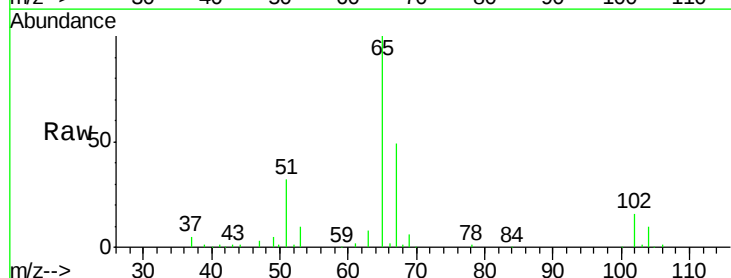
Acq: 30 Oct 2020 18:03

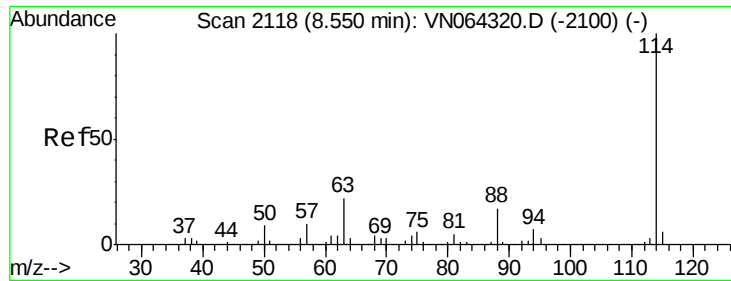
Tgt Ion: 65 Resp: 169790

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

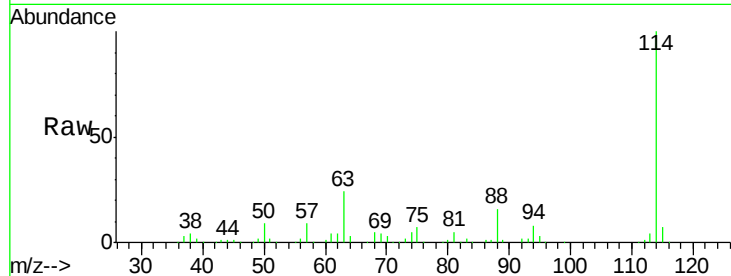
ClientSampleId :

CHASSIS-WASH

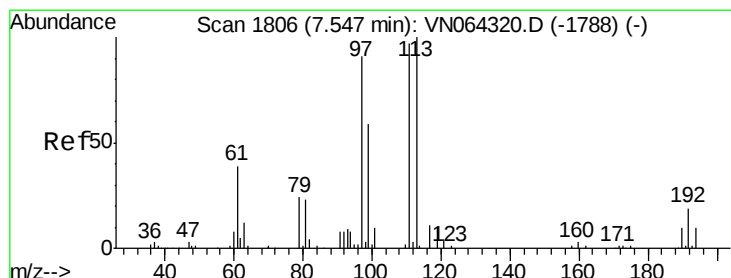
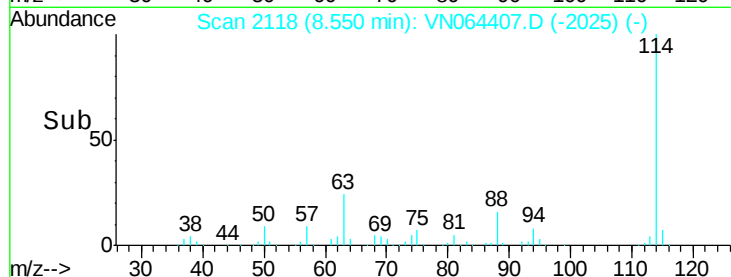
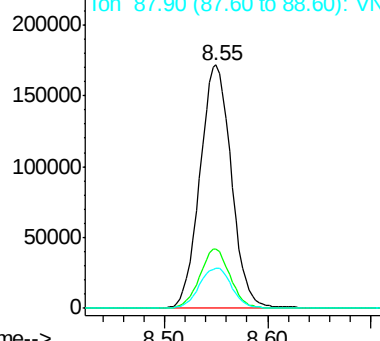
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 114   | Resp: | 365197 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 24.1  | 0.0   | 44.6   |
| 88        | 16.4  | 0.0   | 33.4   |

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Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 49.302 ug/l

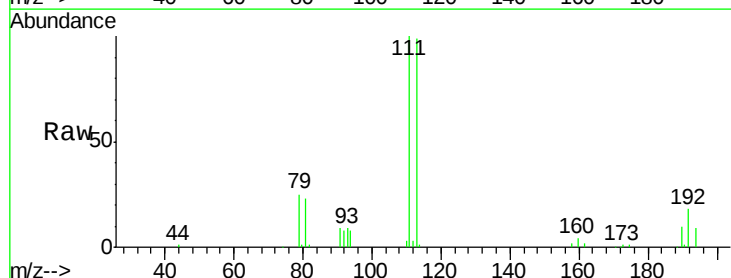
RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

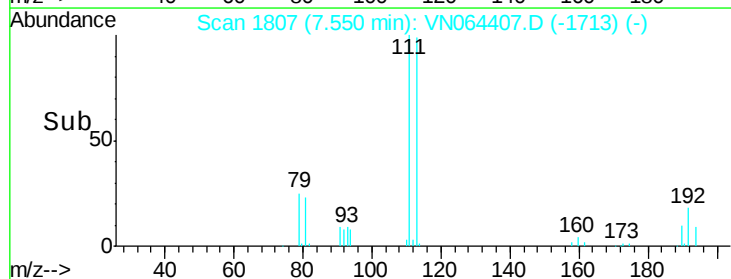
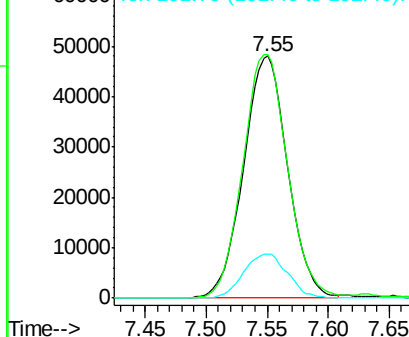
Lab File: VN064407.D

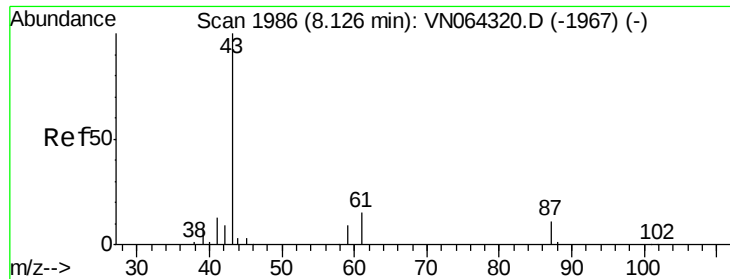
Acq: 30 Oct 2020 18:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 120070 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.1 | 81.5  | 122.3  |
| 192       | 18.3  | 15.0  | 22.4   |



Abundance Ion 112.80 (112.50 to 113.50): V





#43

Isopropyl Acetate

Concen: 4.465 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

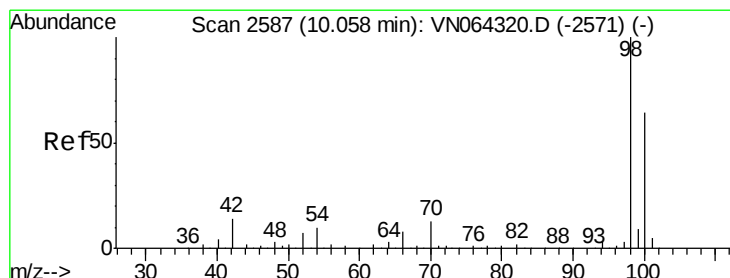
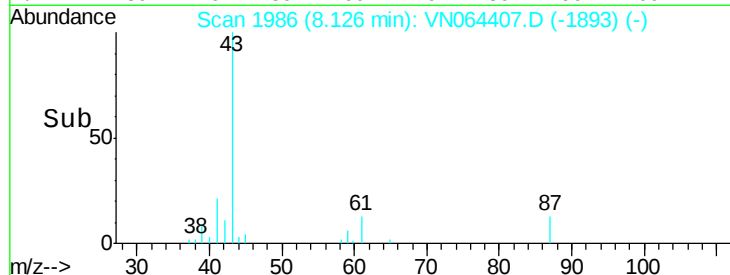
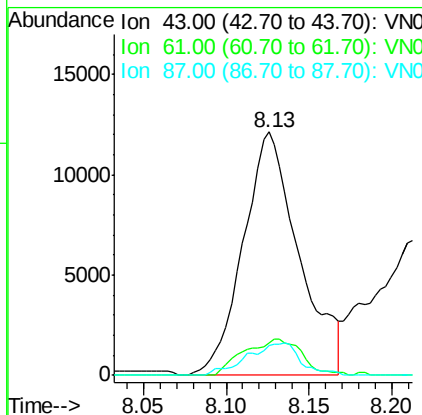
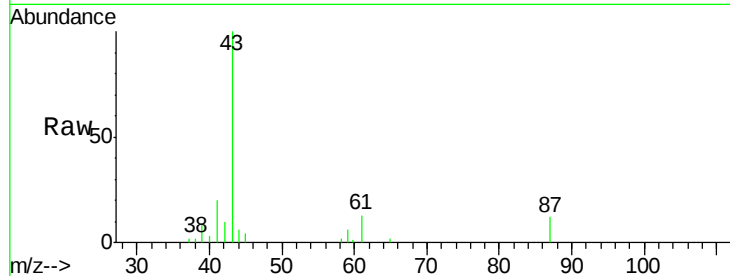
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 28413 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 15.4  | 19.1  | 28.7# |
| 87        | 12.8  | 9.3   | 13.9  |

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#50

Toluene-d8

Concen: 50.744 ug/l

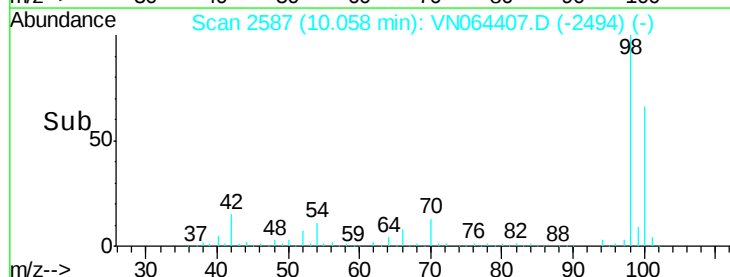
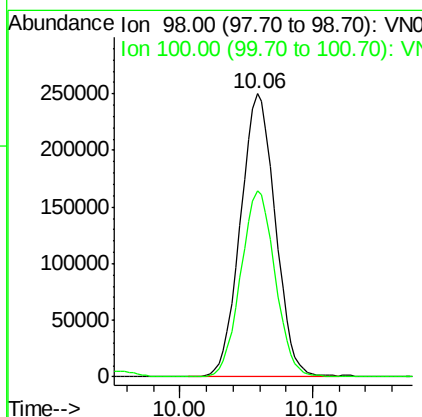
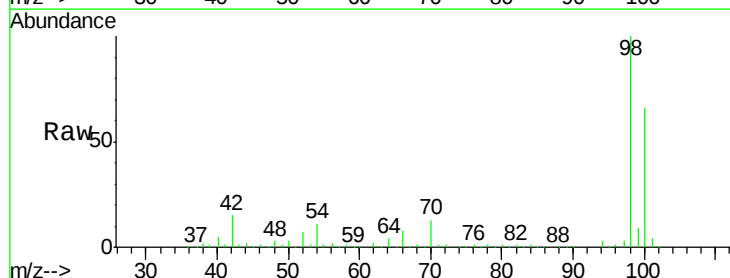
RT: 10.06 min Scan# 2587

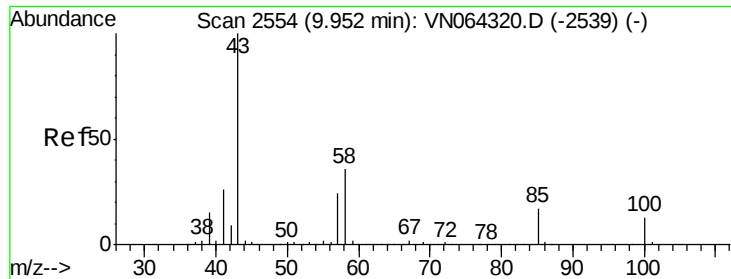
Delta R.T. 0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 457117 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.0  | 50.9  | 76.3   |





#51

4-Methyl-2-Pentanone

Concen: 20.804 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

Instrument :

MSVOA\_N

ClientSampleId :

CHASSIS-WASH

Tot Ion: 43 Resp: 76962

Ion Ratio Lower Upper

43 100

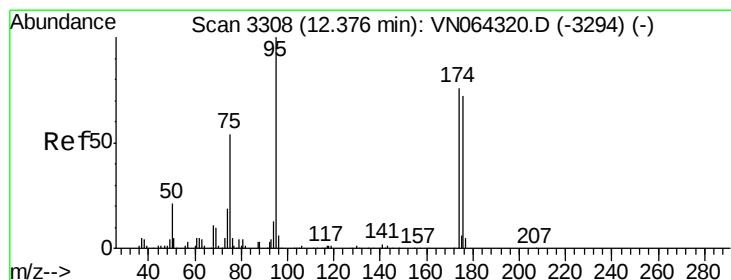
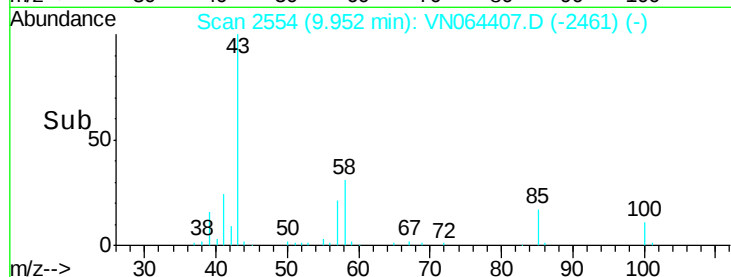
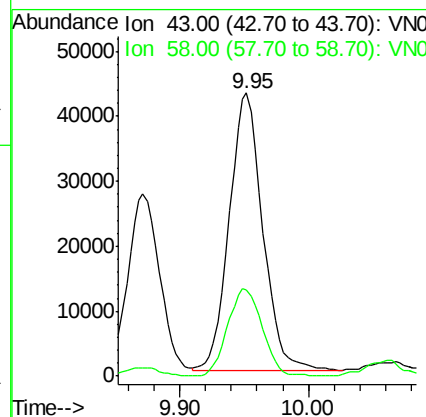
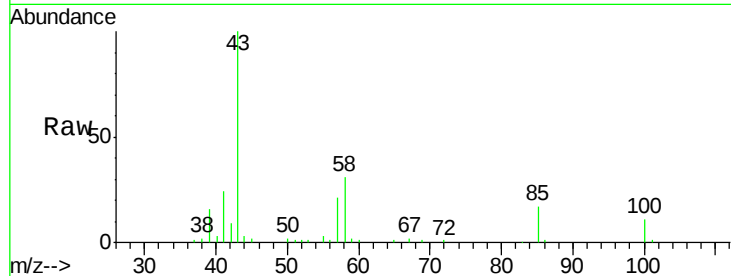
58 32.5 28.6 42.8

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#62

4-Bromofluorobenzene

Concen: 55.252 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064407.D

Acq: 30 Oct 2020 18:03

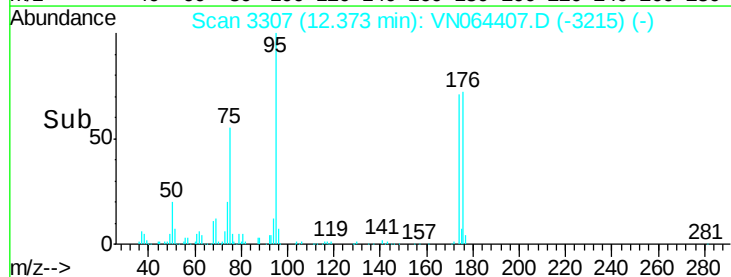
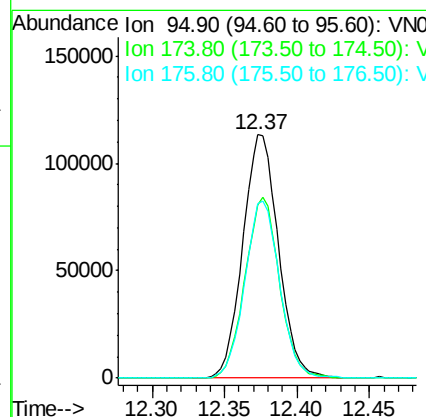
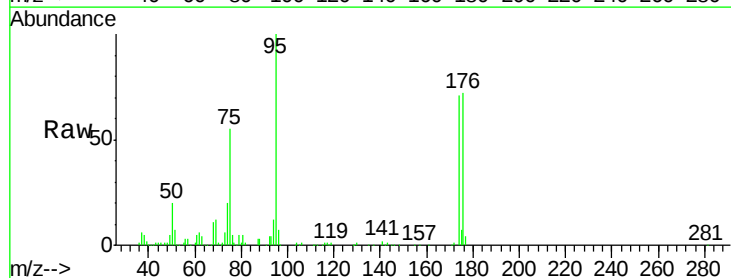
Tgt Ion: 95 Resp: 194058

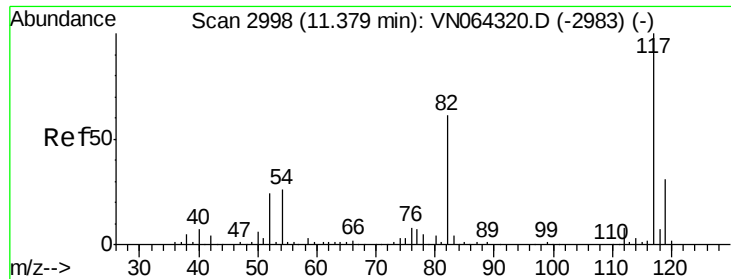
Ion Ratio Lower Upper

95 100

174 71.9 0.0 147.4

176 70.8 0.0 143.6





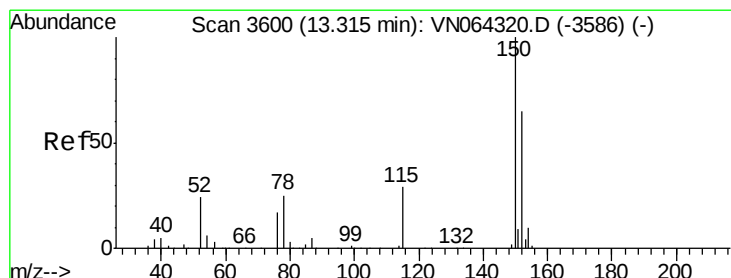
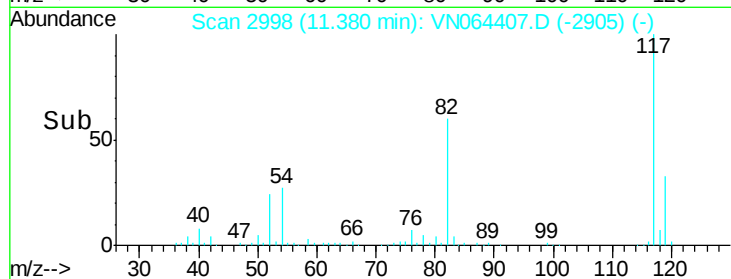
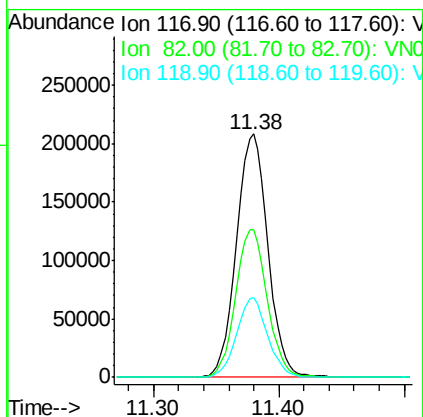
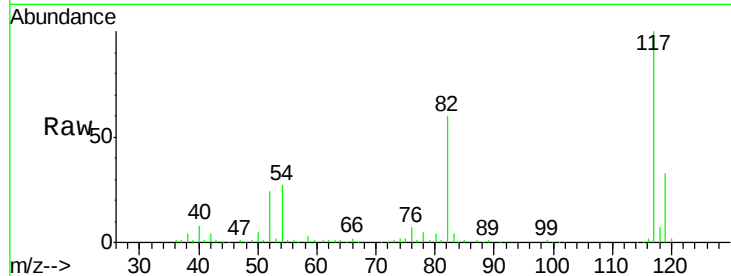
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064407.D  
Acq: 30 Oct 2020 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
CHASSIS-WASH

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.4  | 48.8  | 73.2  |
| 119     | 32.9  | 25.1  | 37.7  |

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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN064407.D  
Acq: 30 Oct 2020 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.1  | 31.5  | 94.5  |
| 150     | 161.7 | 0.0   | 346.2 |

