

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\  
 Data File : VN055412.D  
 Acq On : 6 May 2019 12:24  
 Operator : JC/SP  
 Sample : K2674-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SV28545L

Quant Time: May 07 01:37:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

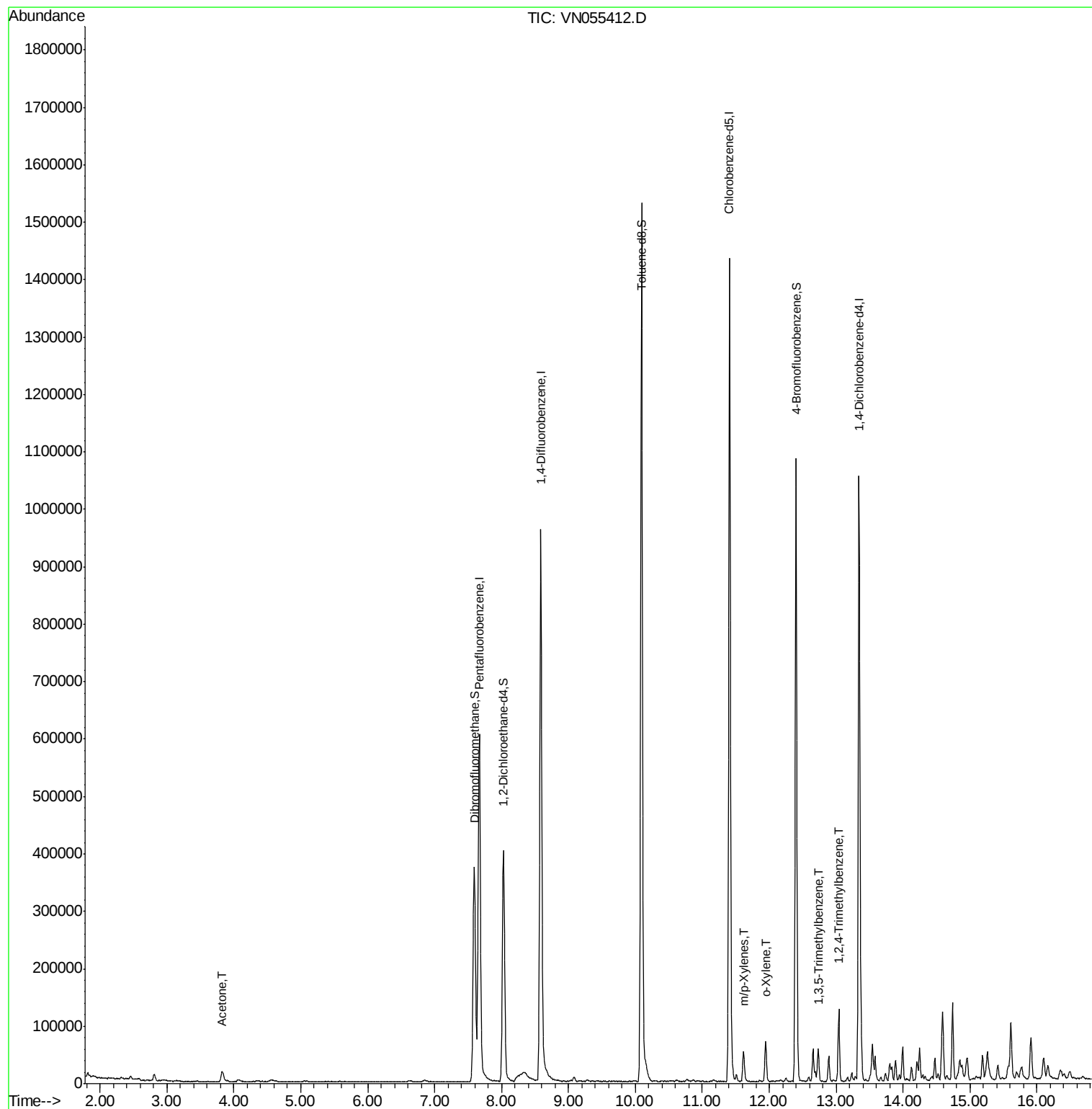
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 504588   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 883684   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 836152   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 275888   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 354751   | 53.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.48% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 287633   | 49.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.18%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1104529  | 52.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.48% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 373395   | 57.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.08% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 31235    | 15.186 | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.62 | 106  | 16070    | 1.525  | ug/l    | 98       |
| 69) o-Xylene                | 11.94 | 106  | 18494    | 1.771  | ug/l    | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.73 | 105  | 29141    | 1.347  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 73036    | 3.776  | ug/l    | 98       |

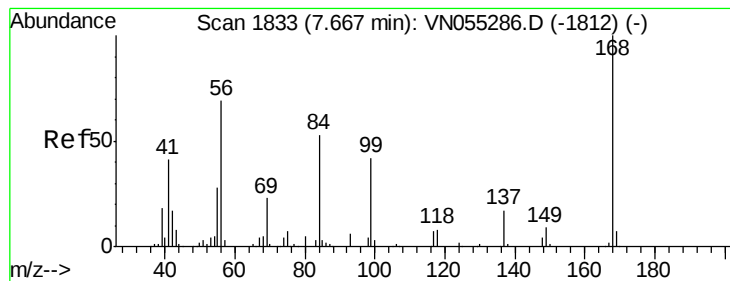
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050619\  
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MSVOA\_N  
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SV28545L

Quant Time: May 07 01:37:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 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: VN055412.D

Acq: 6 May 2019 12:24

Instrument :

MSVOA\_N

ClientSampleId :

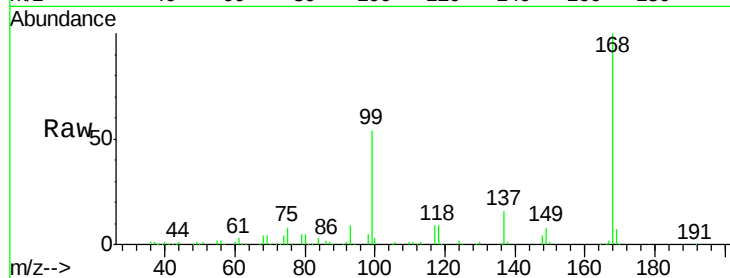
SV28545L

Tot Ion:168 Resp: 504588

Ion Ratio Lower Upper

168 100

99 53.9 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055412.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055412.D (-1740) (-)

7.67

250000

200000

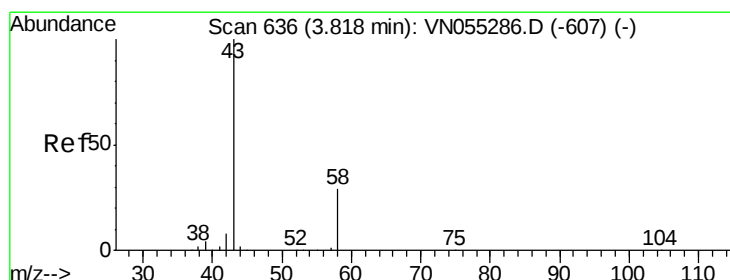
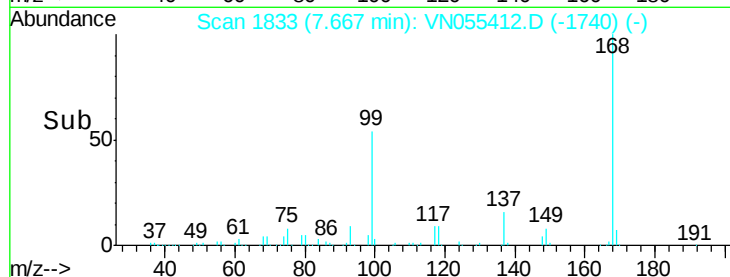
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 15.186 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055412.D

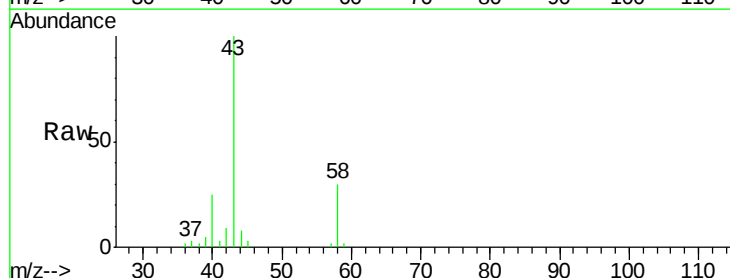
Acq: 6 May 2019 12:24

Tgt Ion: 43 Resp: 31235

Ion Ratio Lower Upper

43 100

58 29.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055412.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055412.D (-543) (-)

3.82

12000

10000

8000

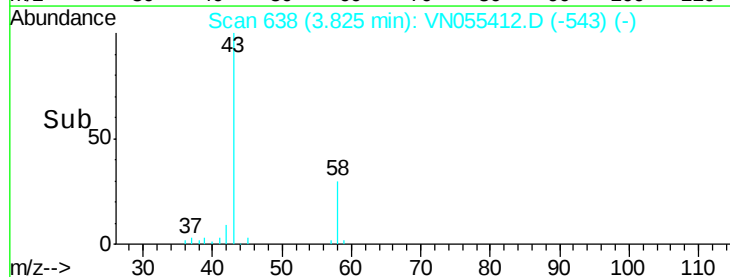
6000

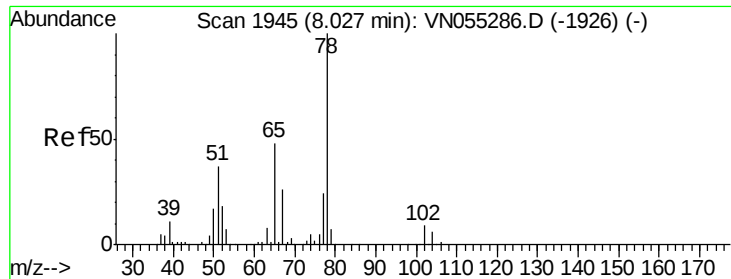
4000

2000

0

Time--> 3.70 3.80 3.90

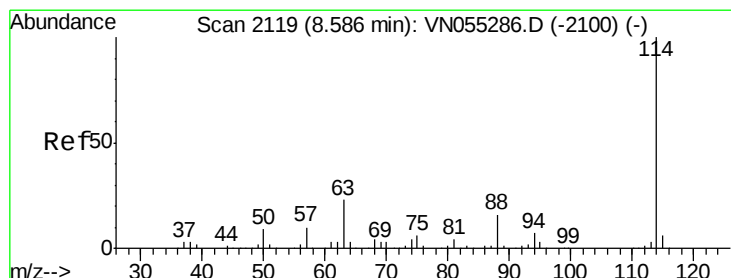
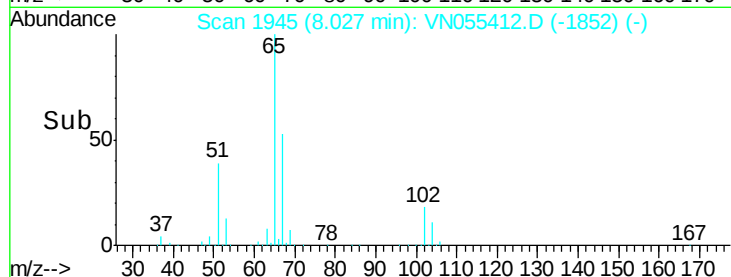
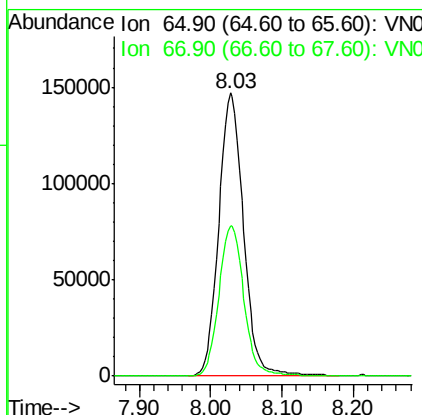
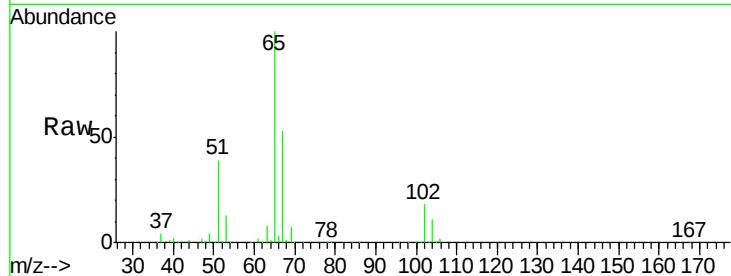




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.741 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055412.D  
 Acq: 6 May 2019 12:24

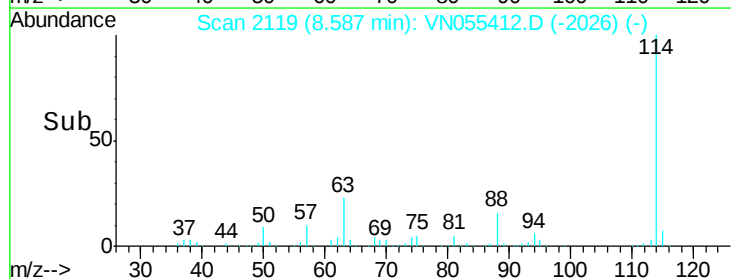
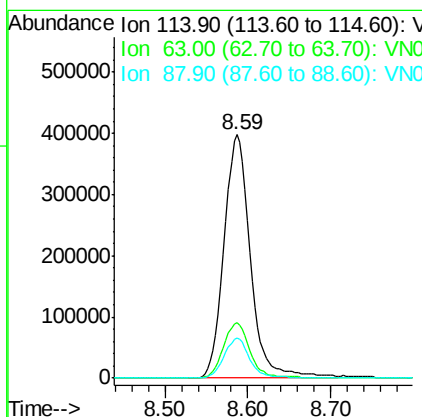
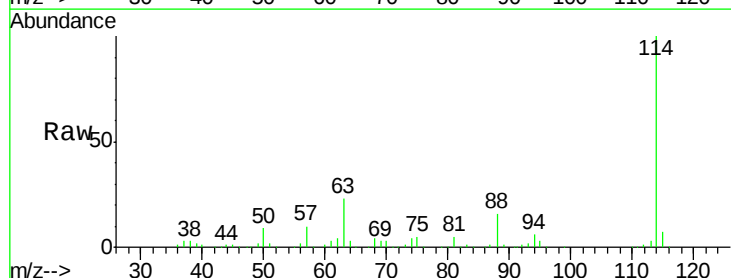
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SV28545L

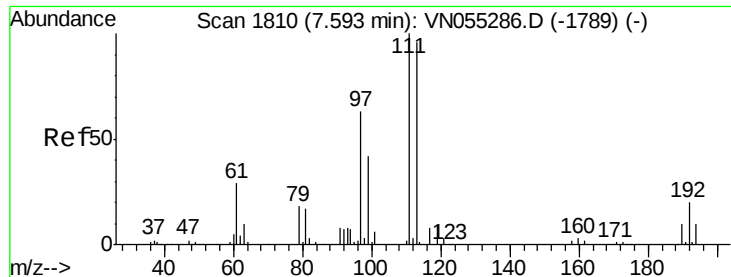
Tot Ion: 65 Resp: 354751  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055412.D  
 Acq: 6 May 2019 12:24

Tgt Ion: 114 Resp: 883684  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 45.2  
 88 16.4 0.0 31.6

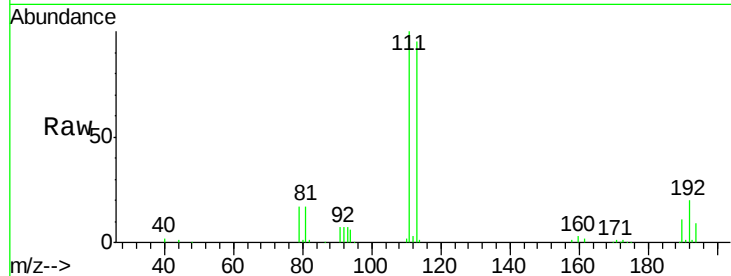




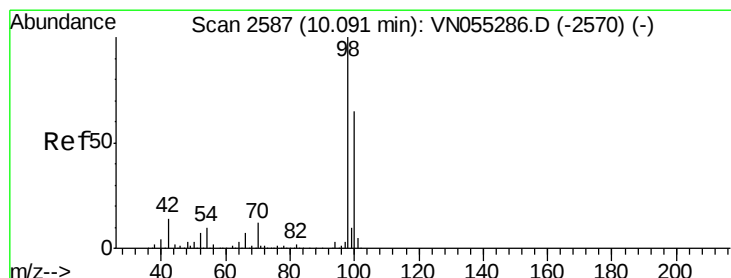
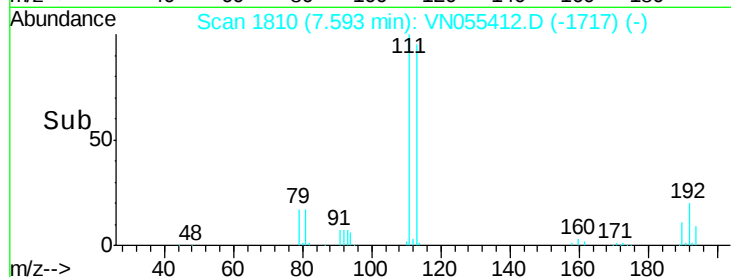
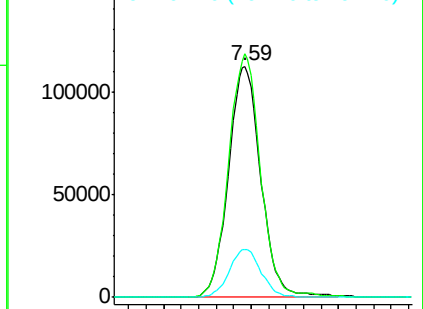
#35  
Dibromofluoromethane  
Concen: 49.590 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN055412.D  
Acq: 6 May 2019 12:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
SV28545L

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 82.3  | 123.5 |
| 192     | 20.6  | 17.0  | 25.6  |

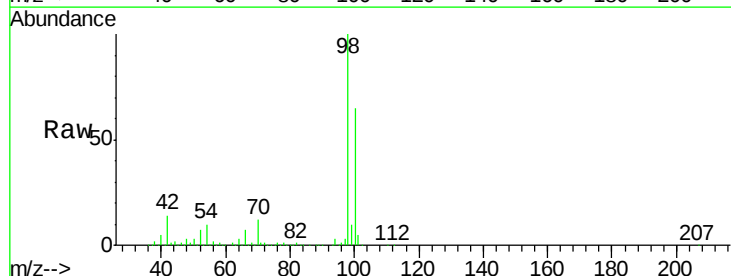


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

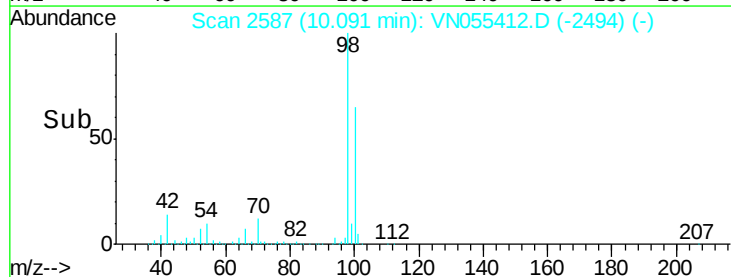
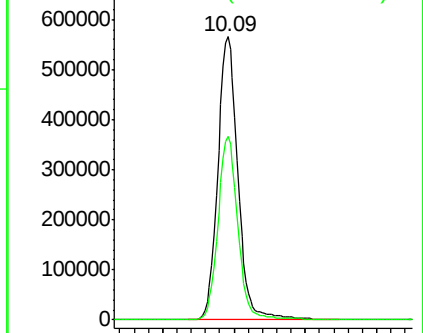


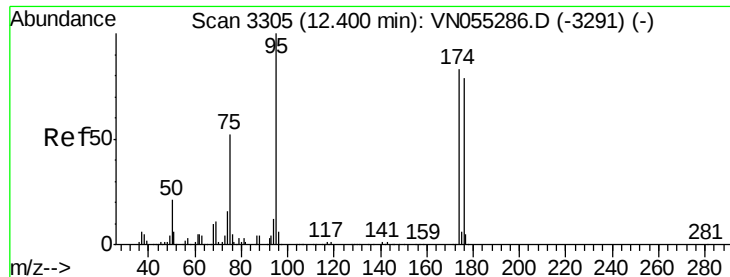
#50  
Toluene-d8  
Concen: 52.737 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055412.D  
Acq: 6 May 2019 12:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 51.7  | 77.5  |



Abundance Ion 98.00 (97.70 to 98.70): VN  
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 57.044 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055412.D

Acq: 6 May 2019 12:24

Instrument :

MSVOA\_N

ClientSampled :

SV28545L

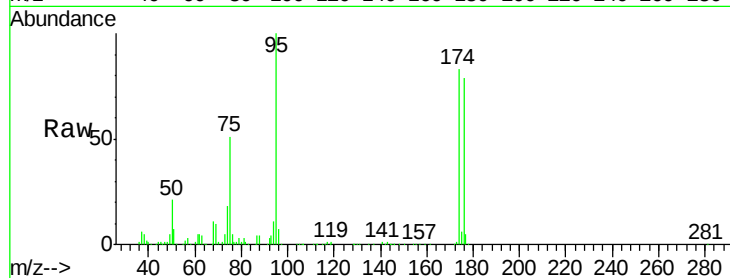
Tot Ion: 95 Resp: 373395

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.6

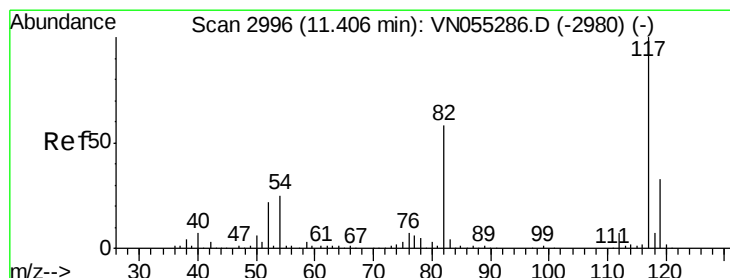
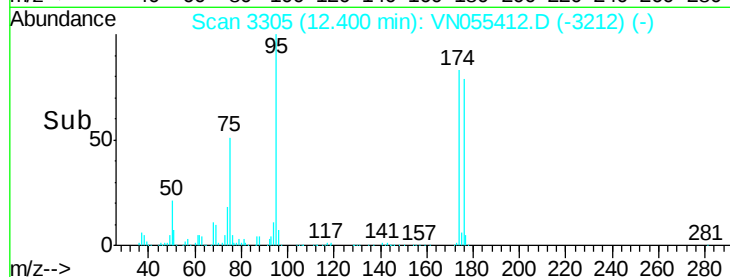
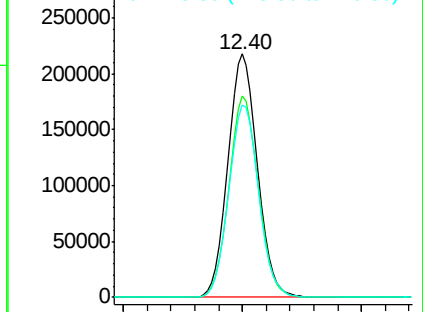
176 80.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055412.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055412.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055412.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055412.D

Acq: 6 May 2019 12:24

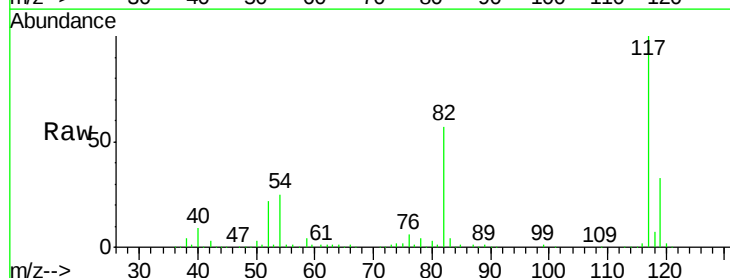
Tgt Ion: 117 Resp: 836152

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

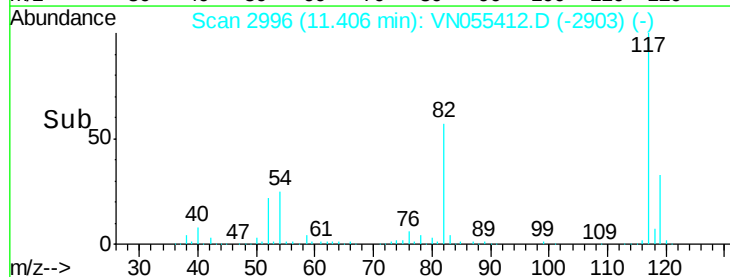
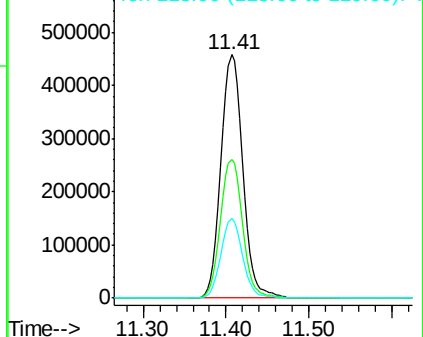
119 32.5 26.6 40.0

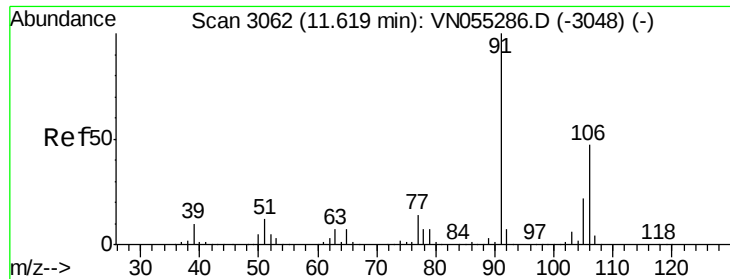


Abundance Ion 116.90 (116.60 to 117.60): VN055412.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055412.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055412.D (-2903) (-)

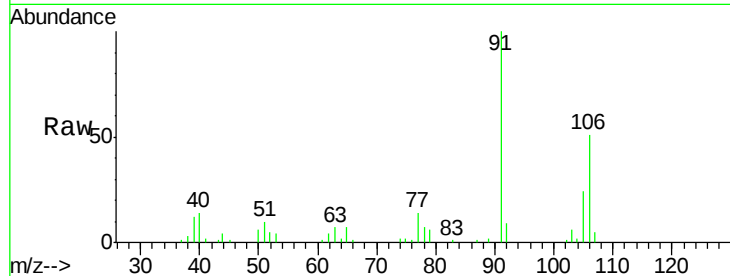




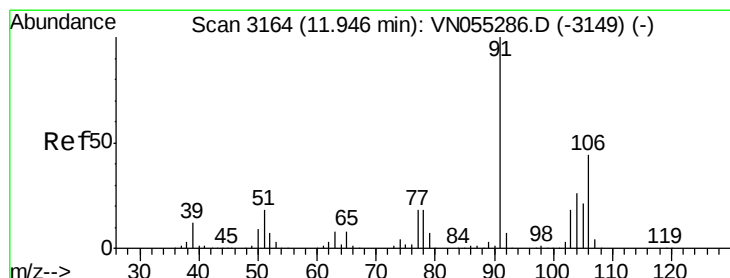
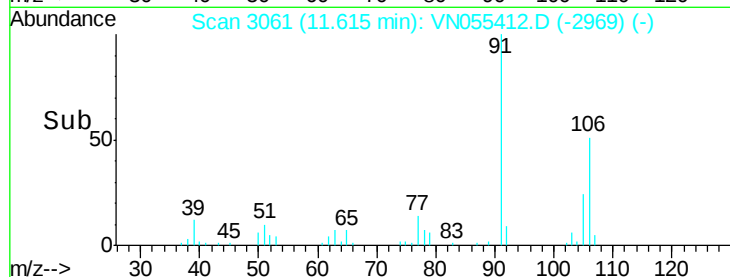
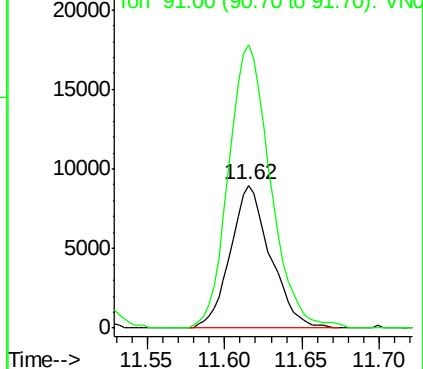
#68  
m/p-Xylenes  
Concen: 1.525 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN055412.D  
Acq: 6 May 2019 12:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
SV28545L

Tot Ion:106 Resp: 16070  
Ion Ratio Lower Upper  
106 100  
91 208.4 169.5 254.3

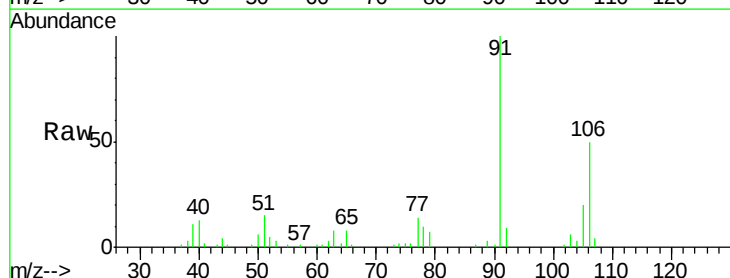


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

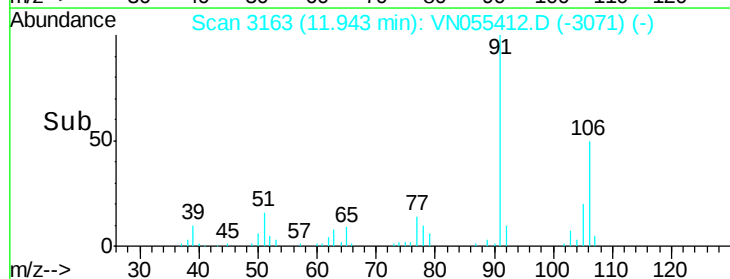
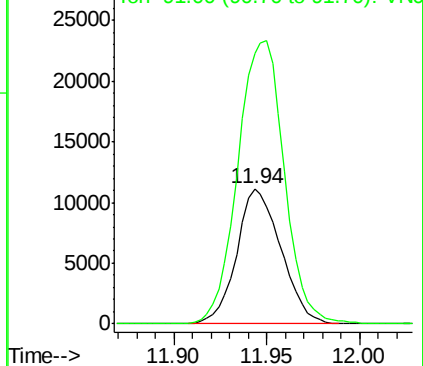


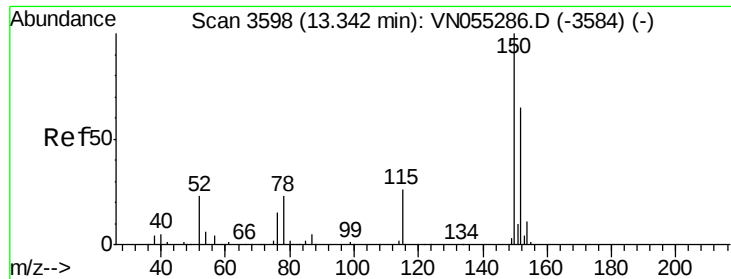
#69  
o-Xylene  
Concen: 1.771 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN055412.D  
Acq: 6 May 2019 12:24

Tgt Ion:106 Resp: 18494  
Ion Ratio Lower Upper  
106 100  
91 220.3 111.5 334.5



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055412.D

Acq: 6 May 2019 12:24

Instrument :

MSVOA\_N

ClientSampleId :

SV28545L

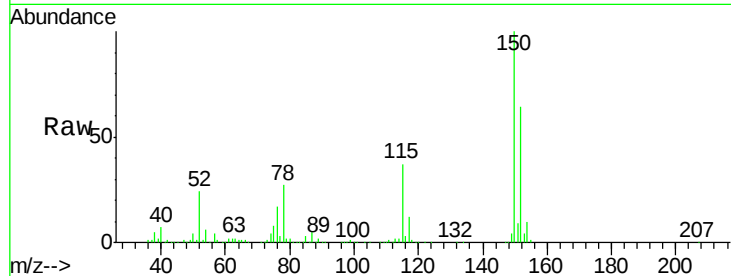
Tot Ion:152 Resp: 275888

Ion Ratio Lower Upper

152 100

115 59.7 29.0 87.0

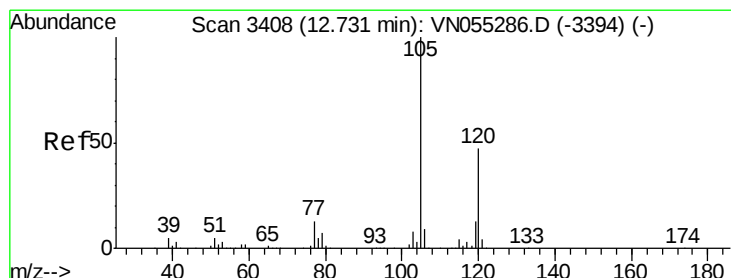
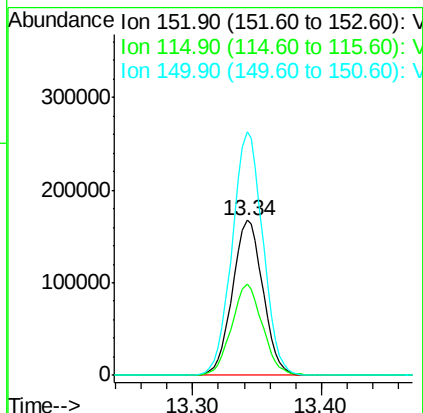
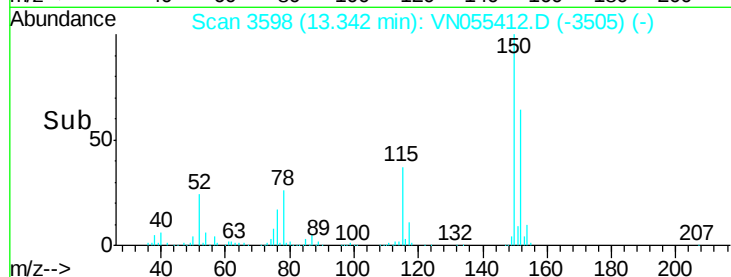
150 157.8 0.0 345.6



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



#80

1,3,5-Trimethylbenzene

Concen: 1.347 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055412.D

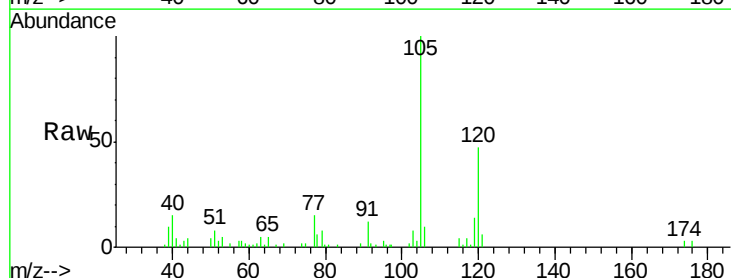
Acq: 6 May 2019 12:24

Tgt Ion:105 Resp: 29141

Ion Ratio Lower Upper

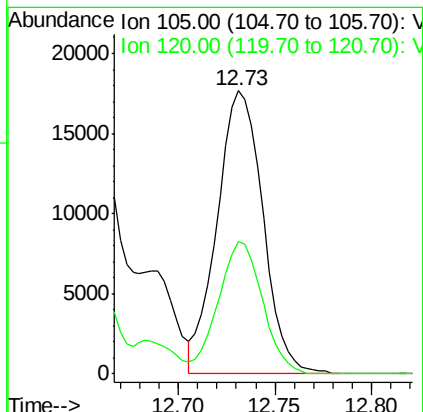
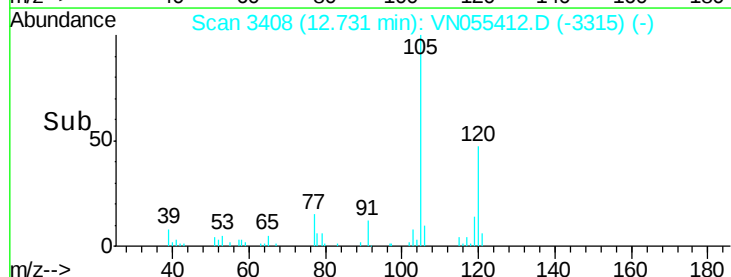
105 100

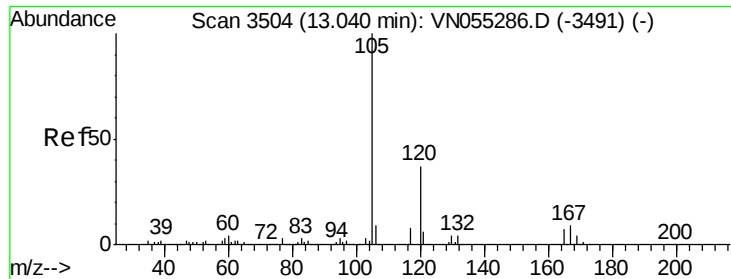
120 45.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.776 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055412.D  
 Acq: 6 May 2019 12:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SV28545L

Tot Ion:105 Resp: 73036  
 Ion Ratio Lower Upper  
 105 100  
 120 43.1 22.1 66.5

