

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121818\  
 Data File : VN052960.D  
 Acq On : 18 Dec 2018 14:51  
 Operator : MD\SY  
 Sample : J6378-11 20X  
 Misc : 2.44g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 11 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P001-SD012-0612-01

Quant Time: Dec 19 09:51:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1339863  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2042452  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1903168  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 917869   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 656468   | 48.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.56%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 487298   | 52.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.46% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2514461  | 50.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.40% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 909765   | 51.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.48% |          |

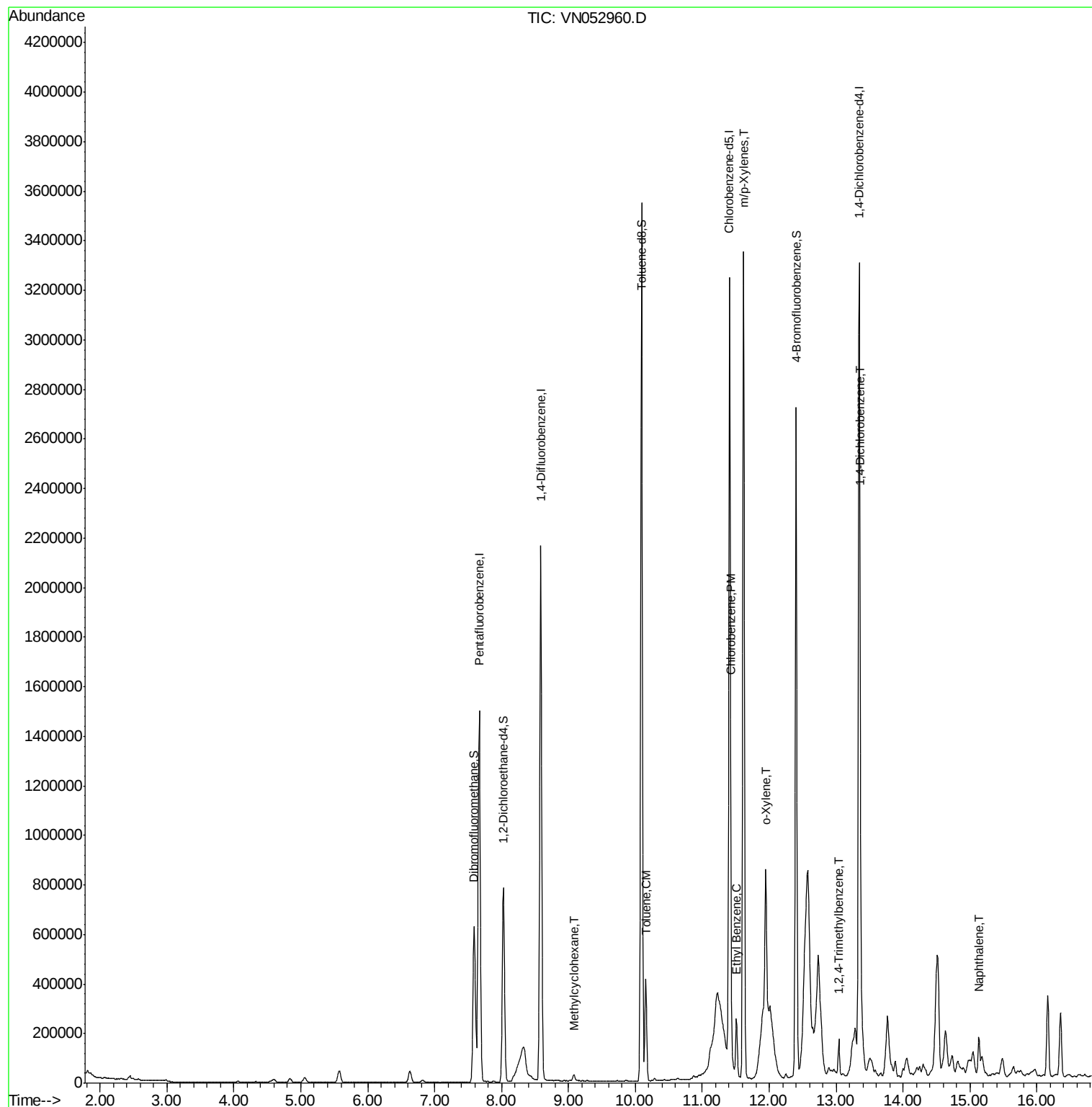
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 39) Methylcyclohexane      | 9.08  | 83   | 12245    | 0.514  | ug/l  | 93     |
| 52) Toluene                | 10.16 | 92   | 182344   | 5.045  | ug/l  | 100    |
| 65) Chlorobenzene          | 11.43 | 112  | 55195    | 1.308  | ug/l  | 97     |
| 67) Ethyl Benzene          | 11.51 | 91   | 169629   | 2.338  | ug/l  | 100    |
| 68) m/p-Xylenes            | 11.62 | 106  | 1028744  | 37.299 | ug/l  | 100    |
| 69) o-Xylene               | 11.95 | 106  | 163150   | 6.164  | ug/l  | 100    |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105  | 82914    | 1.409  | ug/l  | 100    |
| 88) 1,4-Dichlorobenzene    | 13.36 | 146  | 87768    | 2.623  | ug/l  | 92     |
| 95) Naphthalene            | 15.13 | 128  | 137621   | 4.873  | ug/l  | 99     |

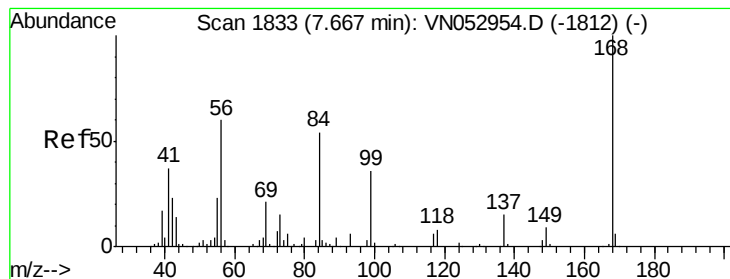
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN121818\  
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Sample : J6378-11 20X  
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P001-SD012-0612-01

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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
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: VN052960.D

Acq: 18 Dec 2018 14:51

Instrument :

MSVOA\_N

ClientSampleId :

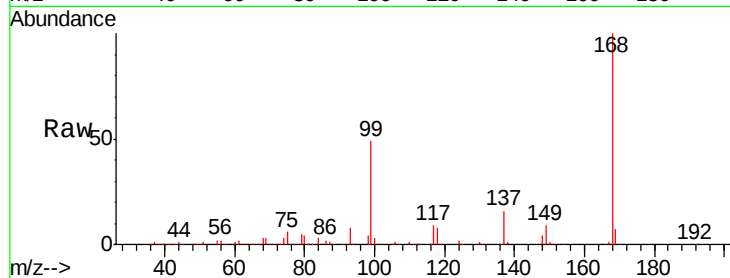
P001-SD012-0612-01

Tgt Ion:168 Resp: 1339863

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

600000

500000

400000

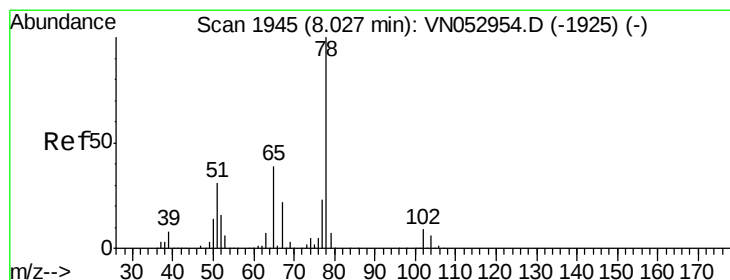
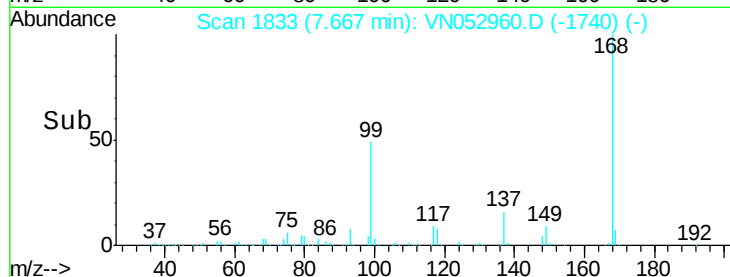
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052960.D

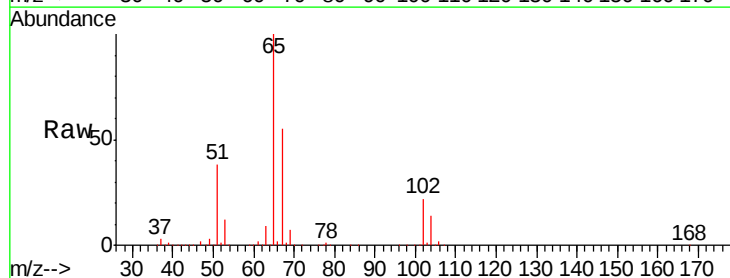
Acq: 18 Dec 2018 14:51

Tgt Ion: 65 Resp: 656468

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)

8.03

300000

250000

200000

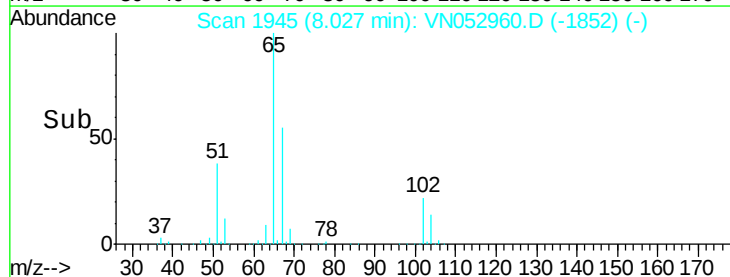
150000

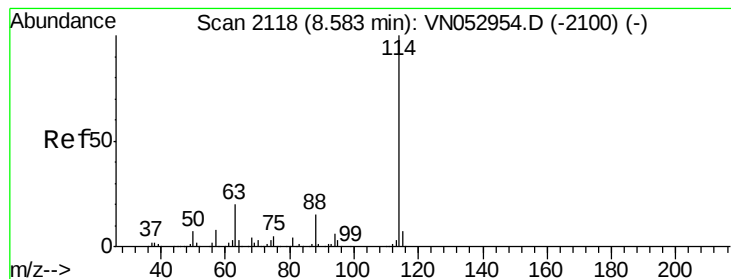
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

Instrument :

MSVOA\_N

ClientSampleId :

P001-SD012-0612-01

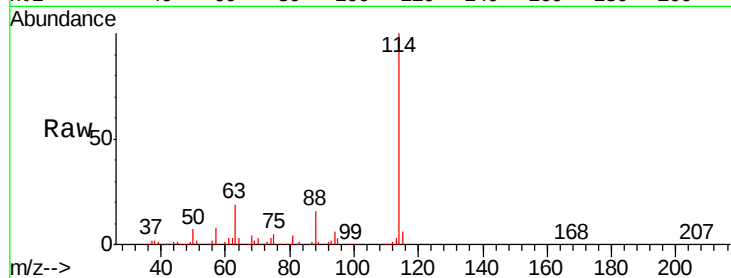
Tgt Ion:114 Resp: 2042452

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

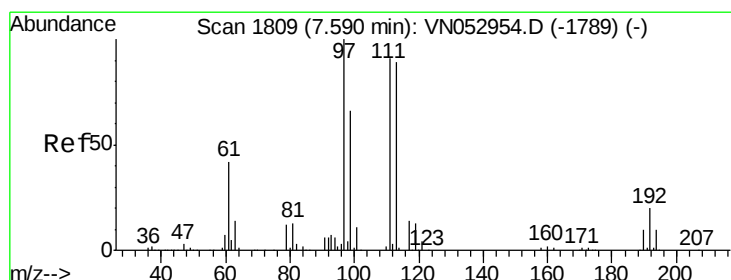
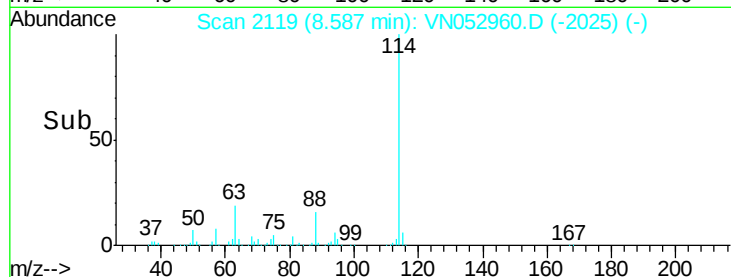
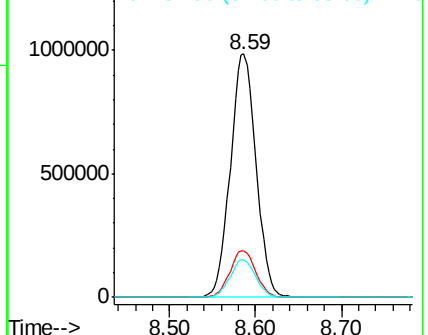
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

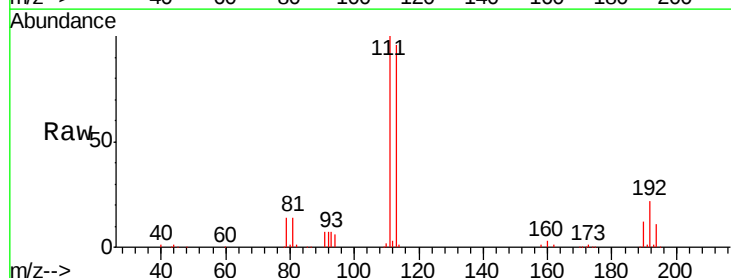
Tgt Ion:113 Resp: 487298

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

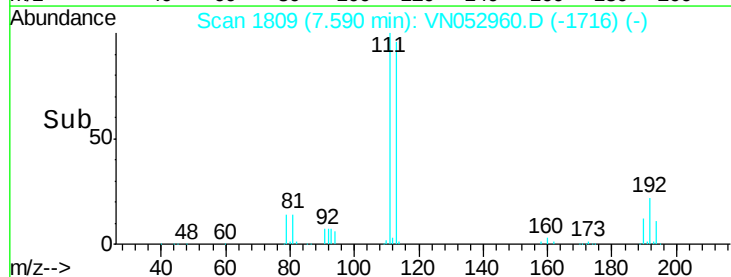
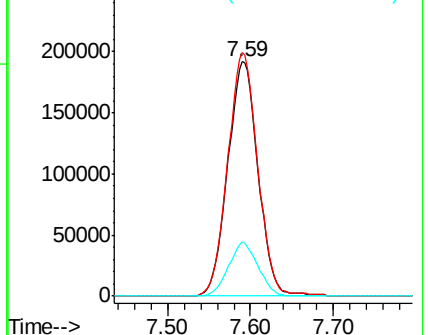
192 22.5 17.5 26.3

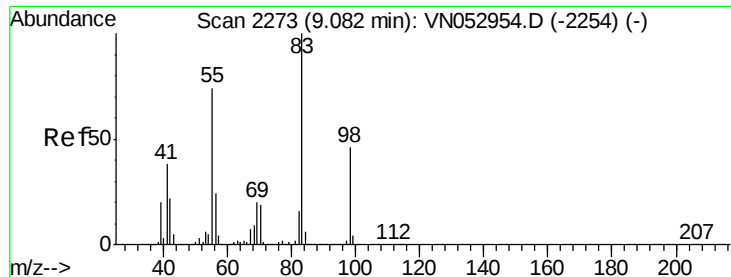


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

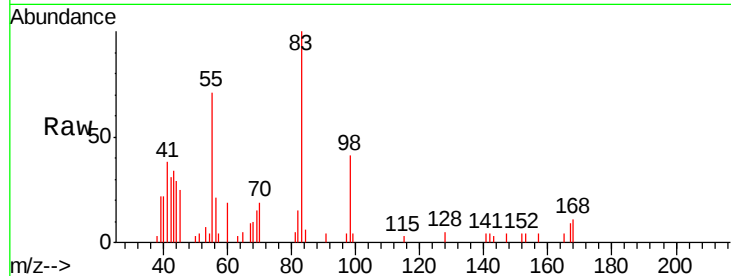




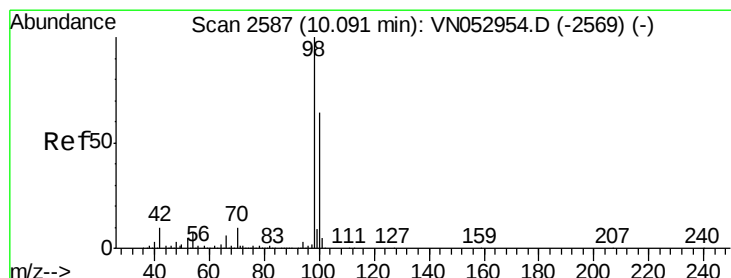
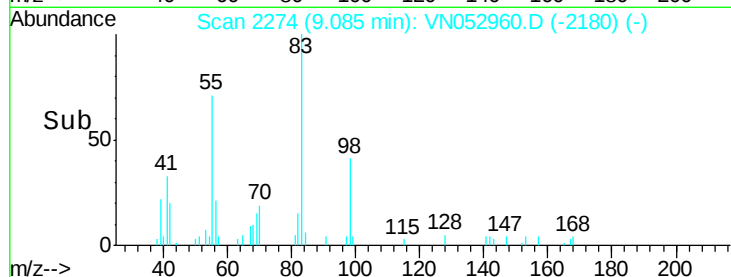
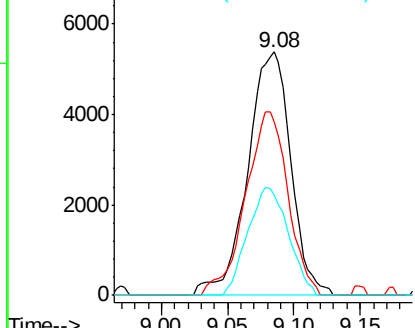
#39  
Methylcyclohexane  
Concen: 0.514 ug/l  
RT: 9.08 min Scan# 2274  
Delta R.T. 0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD012-0612-01

Tgt Ion: 83 Resp: 12245  
Ion Ratio Lower Upper  
83 100  
55 71.0 61.3 91.9  
98 40.9 37.0 55.4

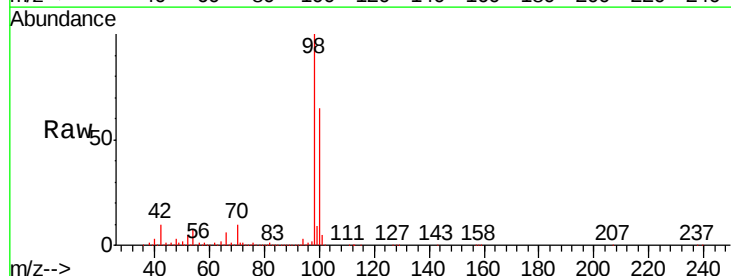


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

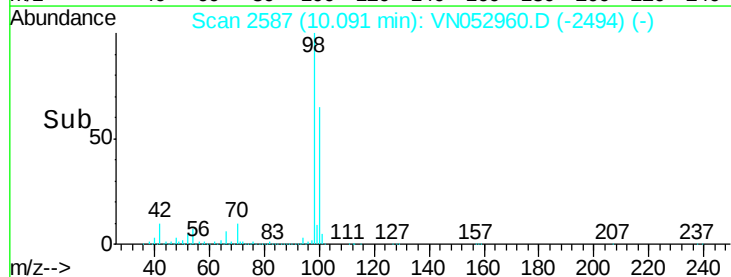
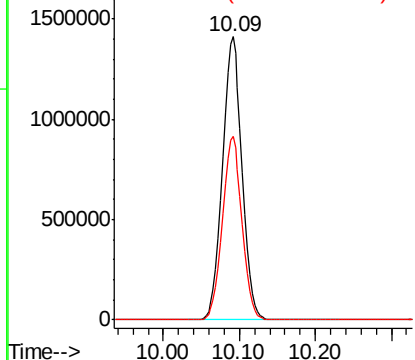


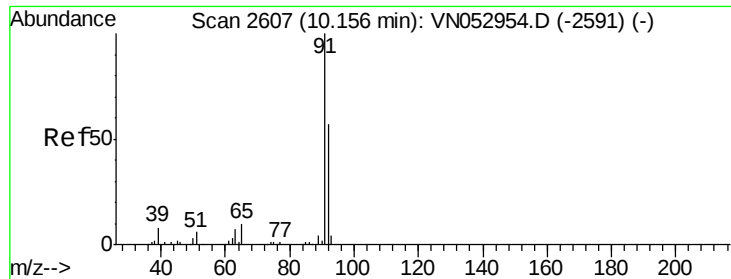
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

Tgt Ion: 98 Resp: 2514461  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 5.045 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

Instrument :

MSVOA\_N

ClientSampleId :

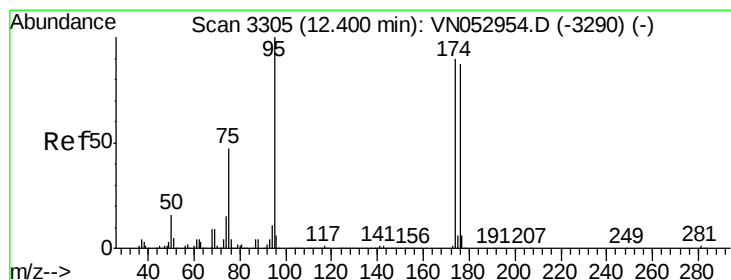
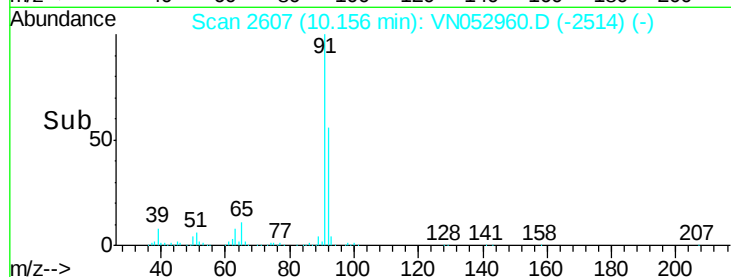
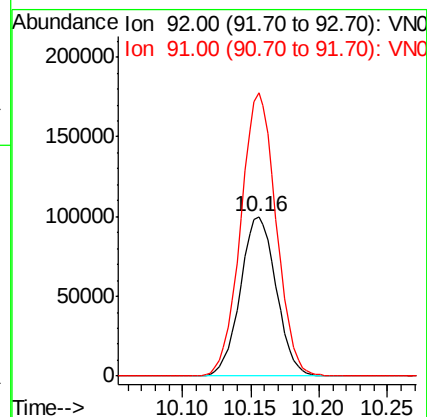
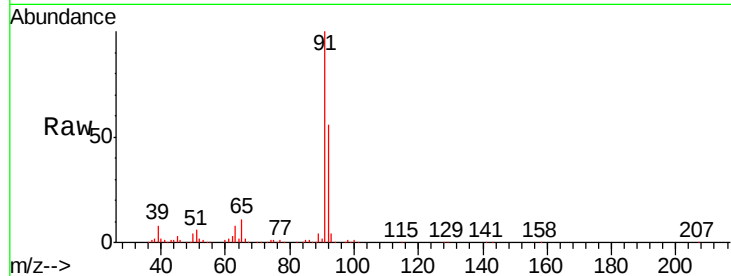
P001-SD012-0612-01

Tgt Ion: 92 Resp: 182344

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

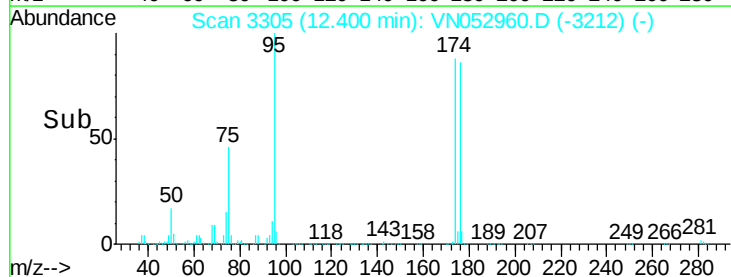
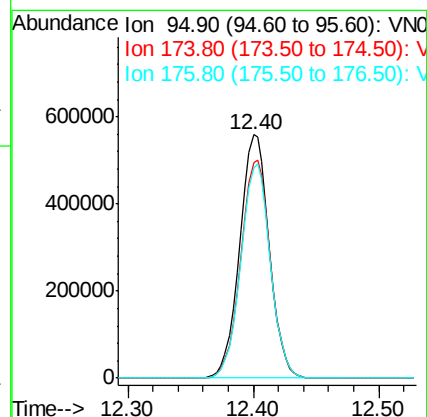
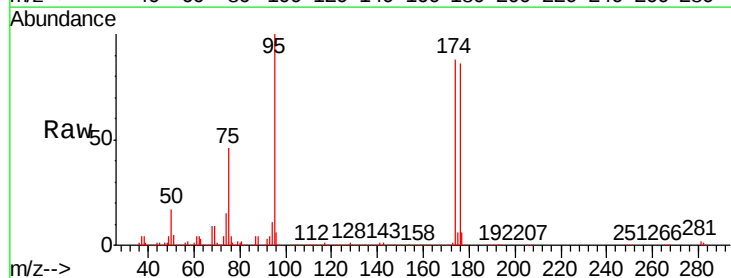
Tgt Ion: 95 Resp: 909765

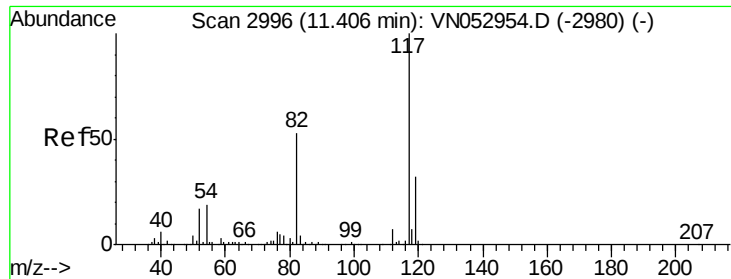
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.8 0.0 173.8

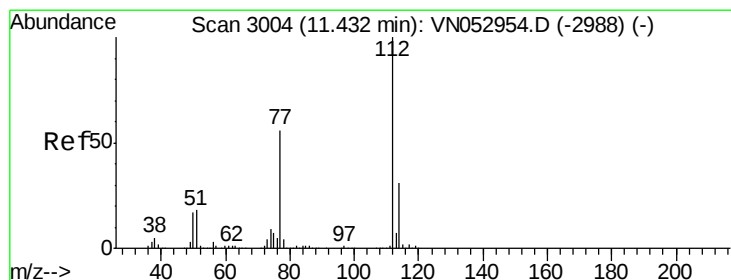
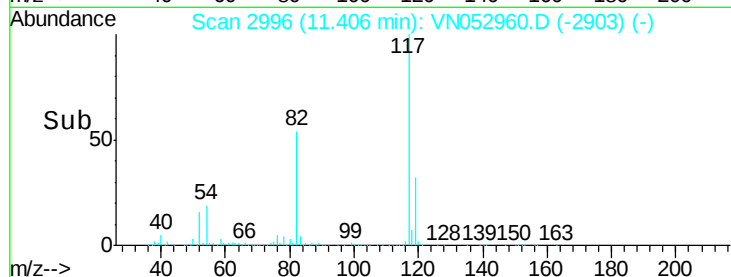
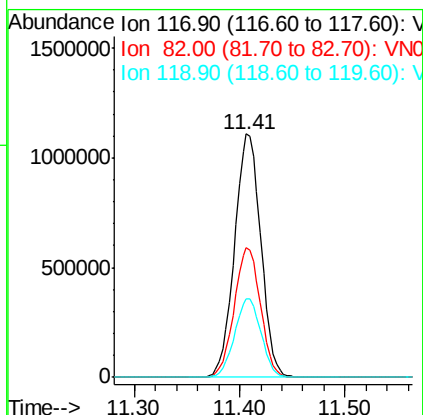
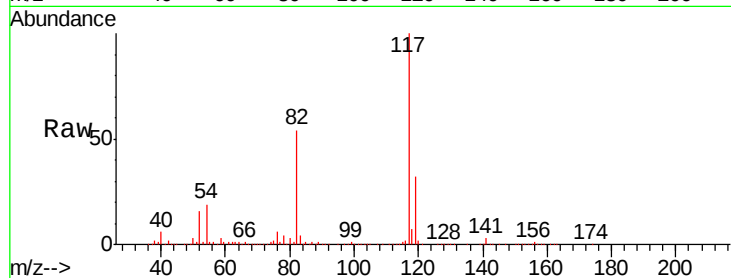




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

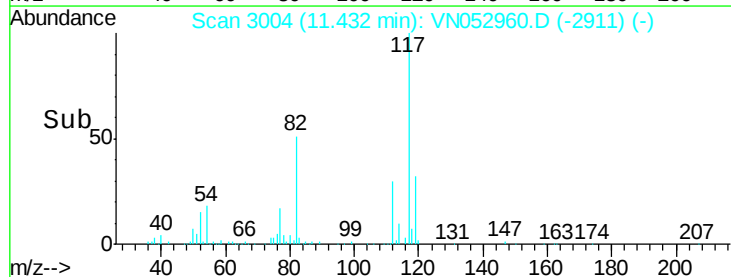
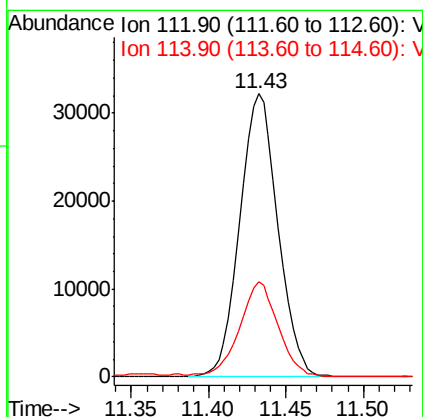
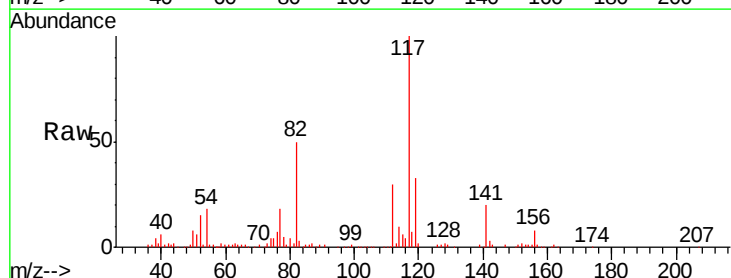
Instrument :  
MSVOA\_N  
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P001-SD012-0612-01

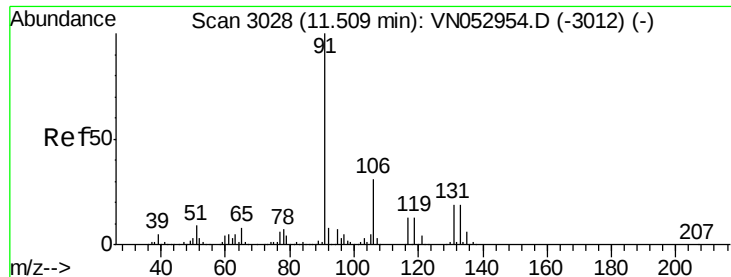
Tgt Ion:117 Resp: 1903168  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.8 64.2  
119 32.4 25.5 38.3



#65  
Chlorobenzene  
Concen: 1.308 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

Tgt Ion:112 Resp: 55195  
Ion Ratio Lower Upper  
112 100  
114 33.7 25.5 38.3





#67

Ethyl Benzene

Concen: 2.338 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

Instrument :

MSVOA\_N

ClientSampleId :

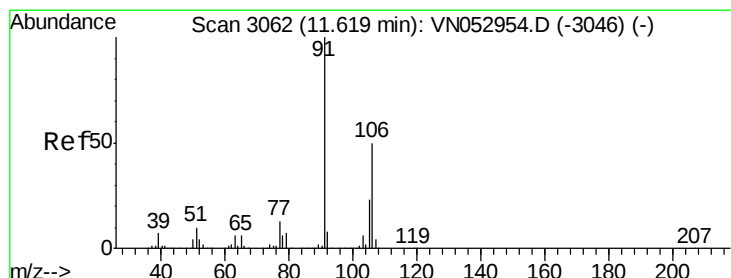
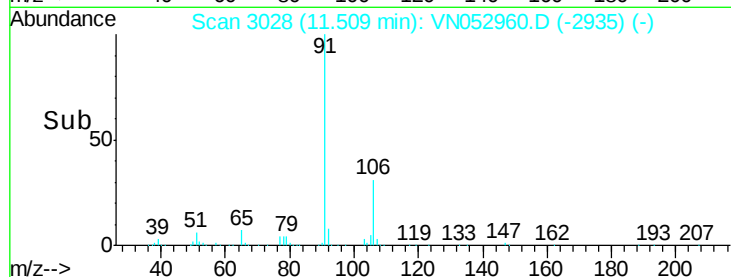
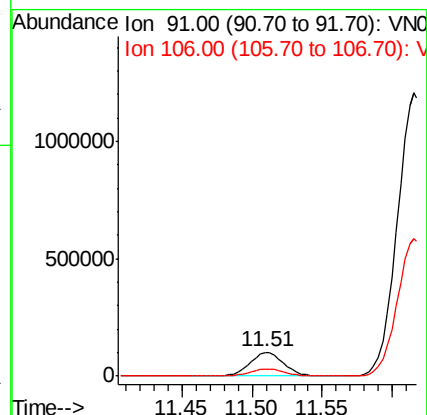
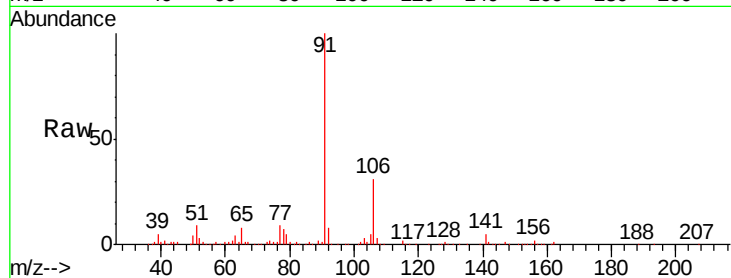
P001-SD012-0612-01

Tgt Ion: 91 Resp: 169629

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3



#68

m/p-Xylenes

Concen: 37.299 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN052960.D

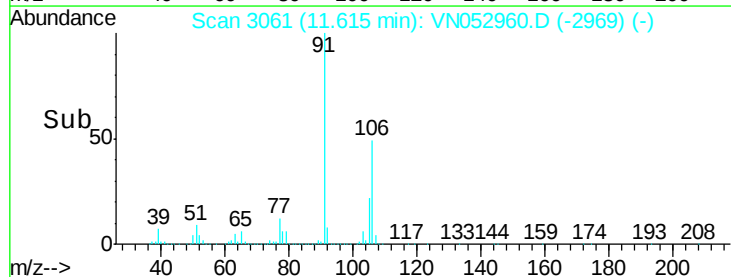
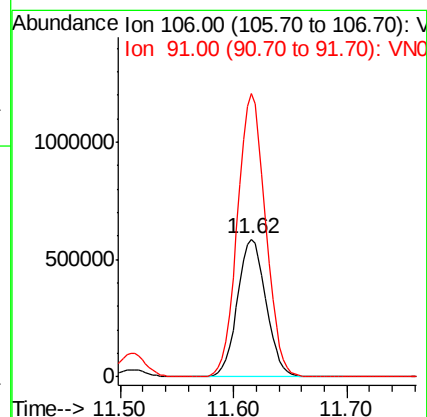
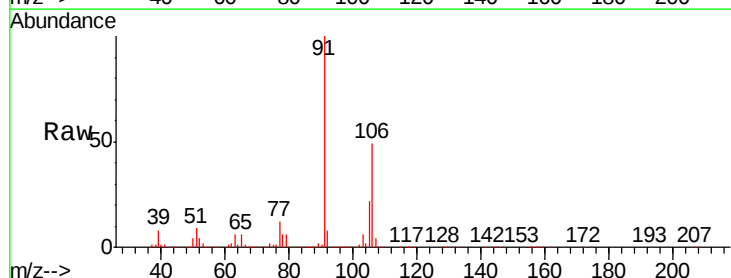
Acq: 18 Dec 2018 14:51

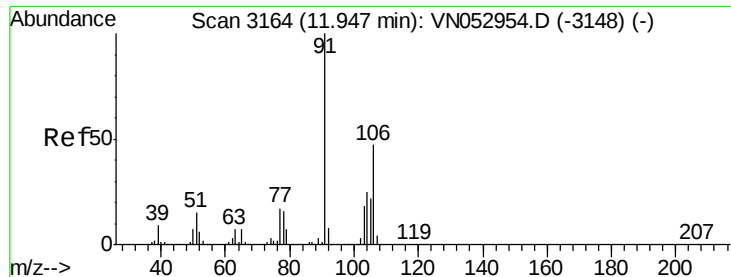
Tgt Ion: 106 Resp: 1028744

Ion Ratio Lower Upper

106 100

91 202.8 162.2 243.4

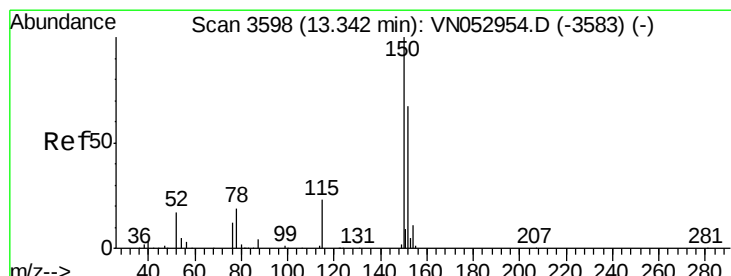
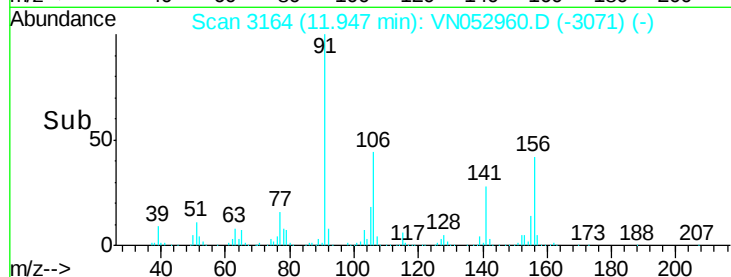
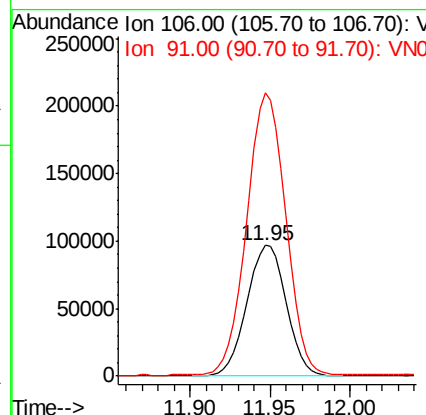
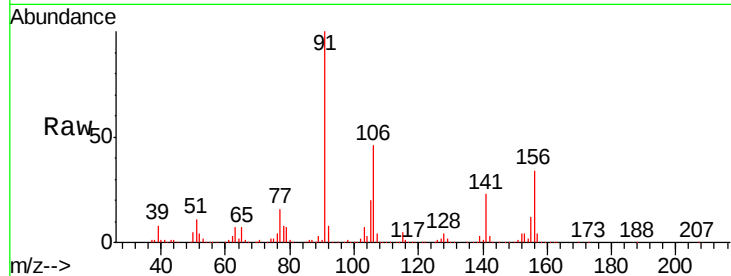




#69  
o-Xylene  
Concen: 6.164 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

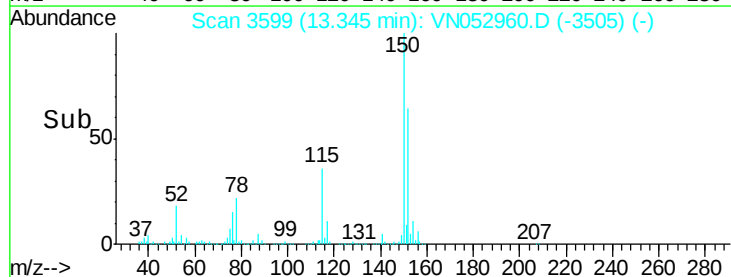
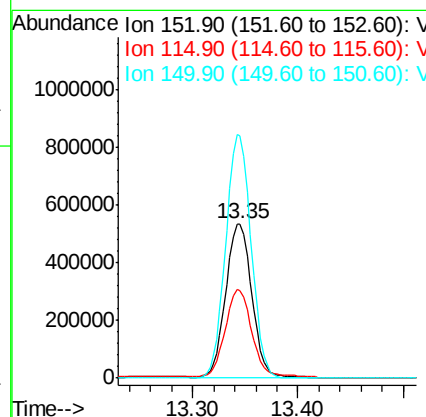
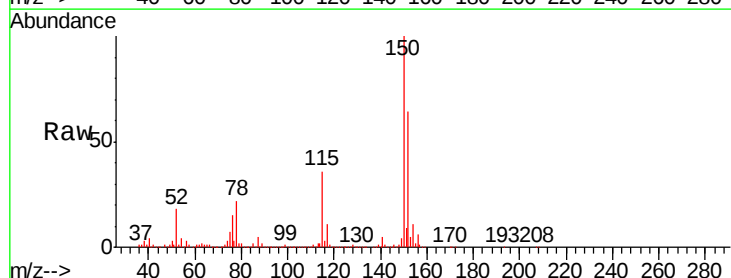
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD012-0612-01

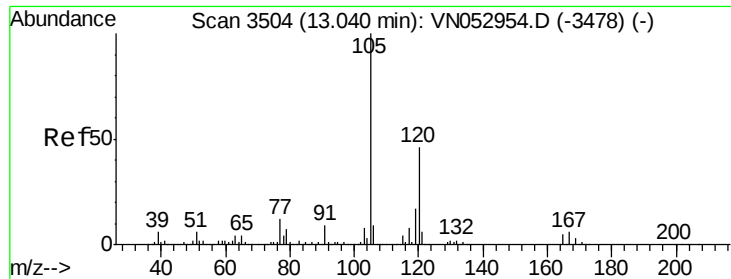
Tgt Ion:106 Resp: 163150  
Ion Ratio Lower Upper  
106 100  
91 212.7 106.6 319.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

Tgt Ion:152 Resp: 917869  
Ion Ratio Lower Upper  
152 100  
115 59.6 28.3 85.0  
150 153.3 0.0 347.8





#84

1,2,4-Trimethylbenzene

Concen: 1.409 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

Instrument :

MSVOA\_N

ClientSampleId :

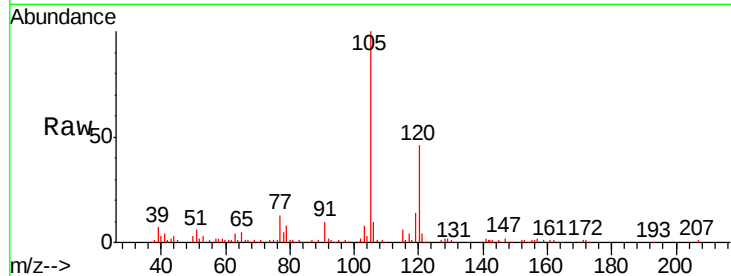
P001-SD012-0612-01

Tgt Ion:105 Resp: 82914

Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

60000

50000

40000

30000

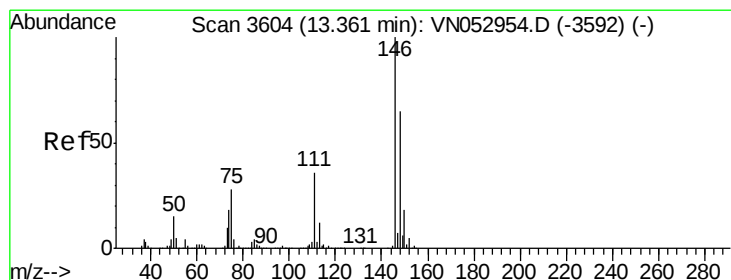
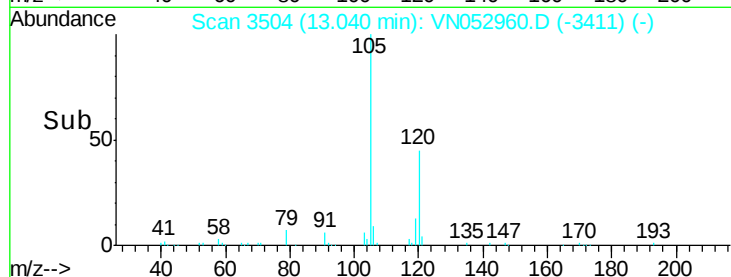
20000

10000

0

13.00 13.05 13.10

Time-->



#88

1,4-Dichlorobenzene

Concen: 2.623 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052960.D

Acq: 18 Dec 2018 14:51

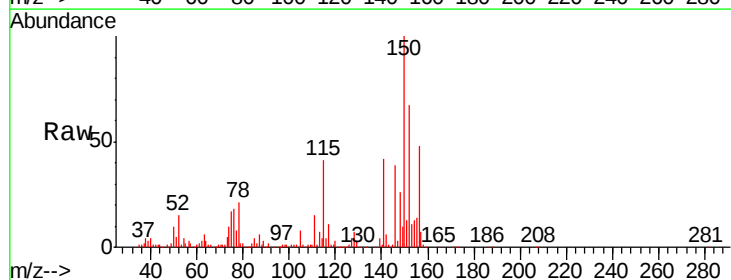
Tgt Ion:146 Resp: 87768

Ion Ratio Lower Upper

146 100

111 47.3 18.6 55.8

148 66.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

60000

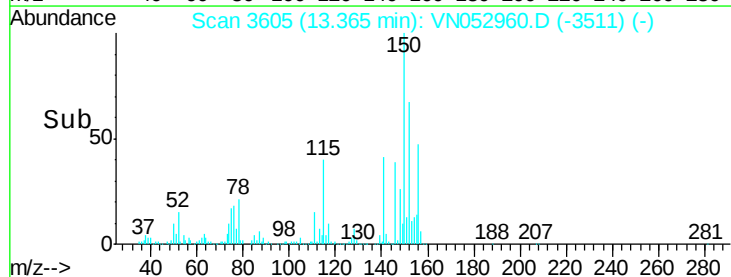
40000

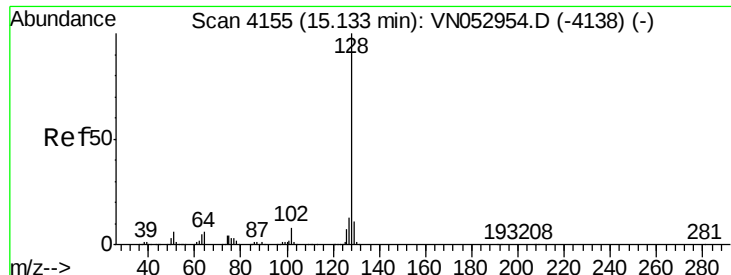
20000

0

13.30 13.35 13.40

Time-->

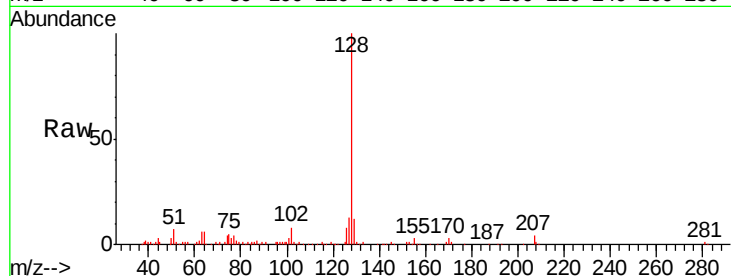




#95  
Naphthalene  
Concen: 4.873 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN052960.D  
Acq: 18 Dec 2018 14:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD012-0612-01

Tgt Ion:128 Resp: 137621  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.2 15.4  
129 10.8 8.6 13.0



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

