

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\  
 Data File : VN055959.D  
 Acq On : 3 Jun 2019 14:15  
 Operator : JC/SP  
 Sample : K3125-14 10X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-1

Quant Time: Jun 03 18:37:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

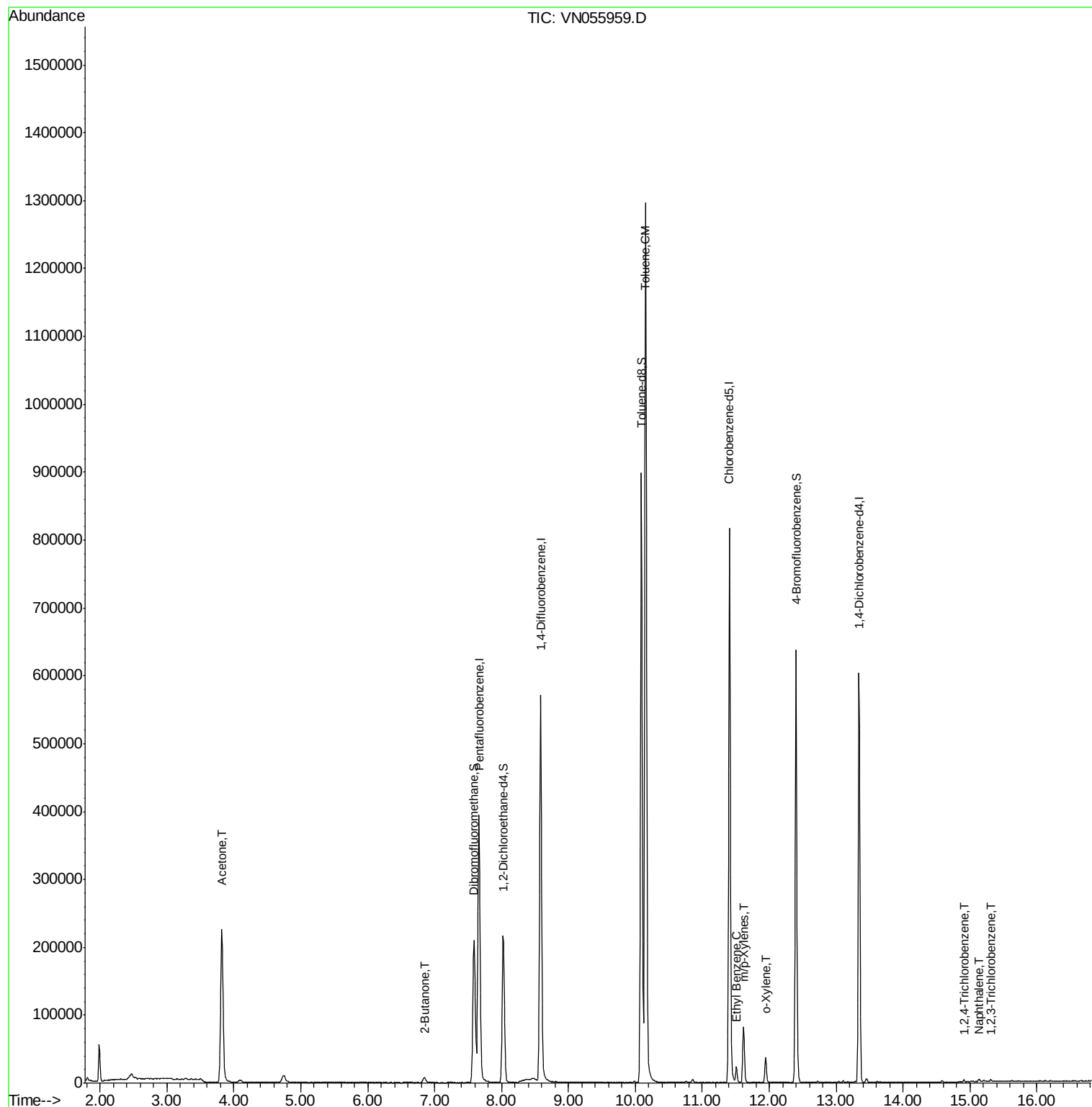
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 373421   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 562580   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 525334   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 183564   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 185420   | 48.08   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.16% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 162734   | 45.75   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.50% |          |
| 50) Toluene-d8              | 10.09 | 98   | 675871   | 49.54   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 221343   | 47.31   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.62% |          |
| Target Compounds            |       |      |          |         |        |          |
| 16) Acetone                 | 3.82  | 43   | 375618   | 221.579 | ug/l   | 99       |
| 25) 2-Butanone              | 6.86  | 43   | 5893     | 2.489   | ug/l   | 97       |
| 52) Toluene                 | 10.15 | 92   | 616392   | 66.330  | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.51 | 91   | 17503    | 0.928   | ug/l # | 88       |
| 68) m/p-Xylenes             | 11.62 | 106  | 28304    | 3.970   | ug/l   | 100      |
| 69) o-Xylene                | 11.95 | 106  | 10746    | 1.519   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene  | 14.91 | 180  | 1293     | 3.974   | ug/l   | 96       |
| 95) Naphthalene             | 15.13 | 128  | 4508     | 0.531   | ug/l # | 89       |
| 96) 1,2,3-Trichlorobenzene  | 15.31 | 180  | 1523     | 0.466   | ug/l   | 89       |

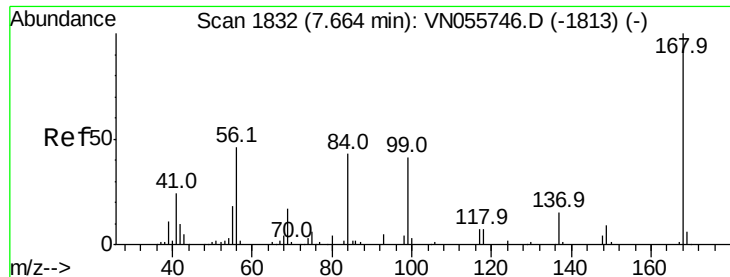
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060319\  
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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055959.D

Acq: 3 Jun 2019 14:15

Instrument :

MSVOA\_N

ClientSampled :

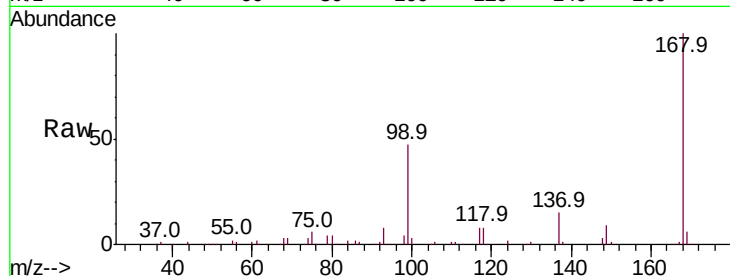
COMP-1

Tot Ion:168 Resp: 373421

Ion Ratio Lower Upper

168 100

99 47.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

150000

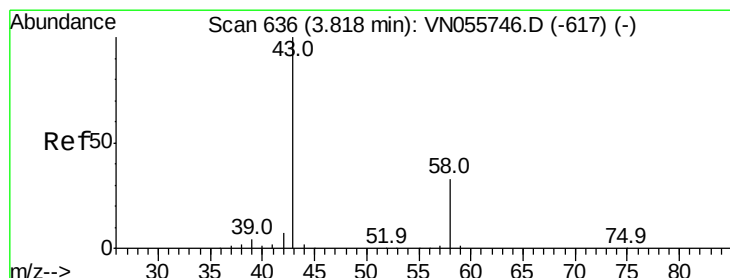
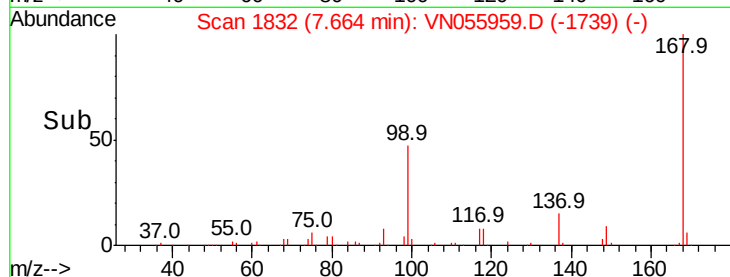
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 221.579 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055959.D

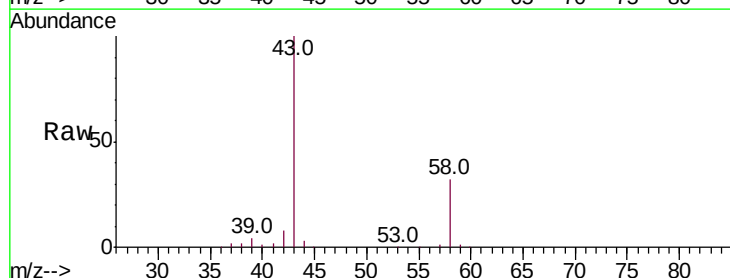
Acq: 3 Jun 2019 14:15

Tgt Ion: 43 Resp: 375618

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-617) (-)

3.82

150000

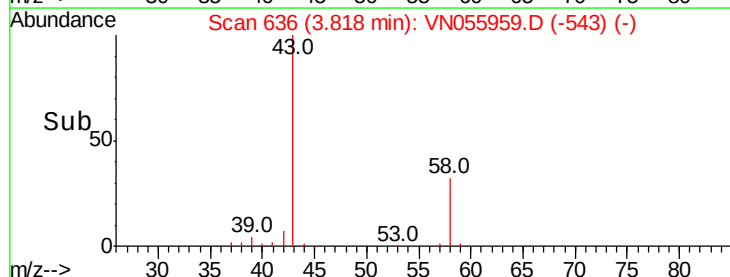
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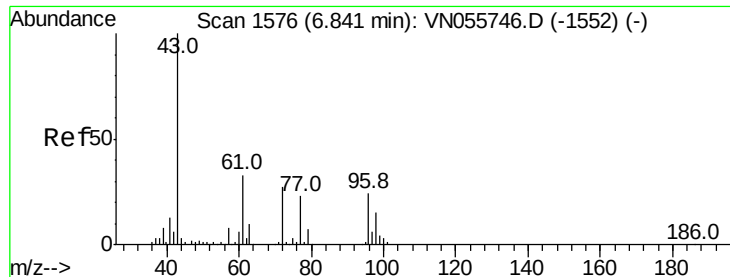
50000

0

3.70 3.80 3.90 4.00

Time-->





#25

2-Butanone

Concen: 2.489 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VN055959.D

Acq: 3 Jun 2019 14:15

Instrument :

MSVOA\_N

ClientSampled :

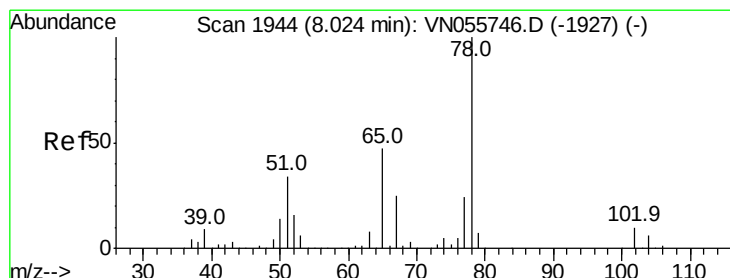
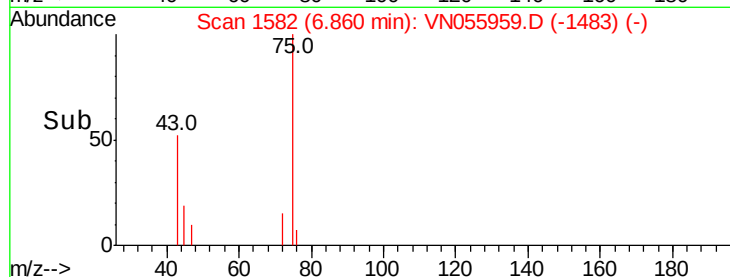
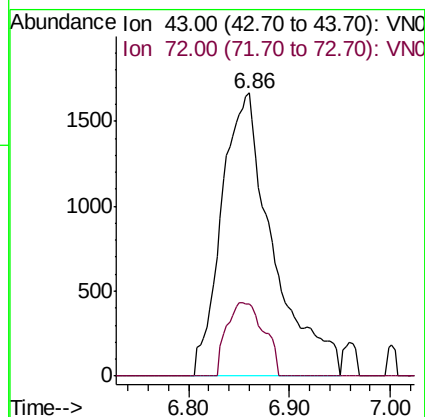
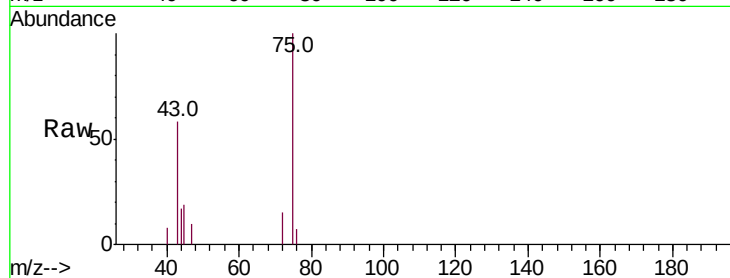
COMP-1

Tot Ion: 43 Resp: 5893

Ion Ratio Lower Upper

43 100

72 25.6 21.9 32.9



#33

1,2-Dichloroethane-d4

Concen: 48.081 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055959.D

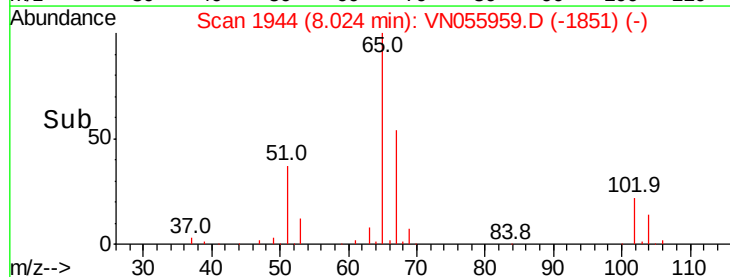
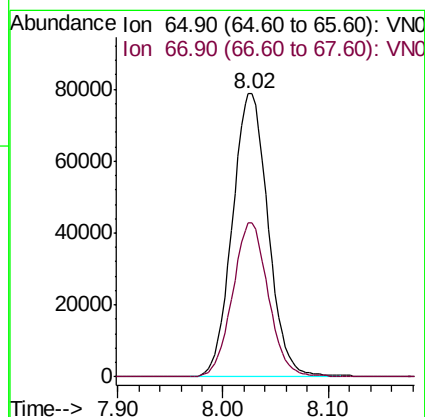
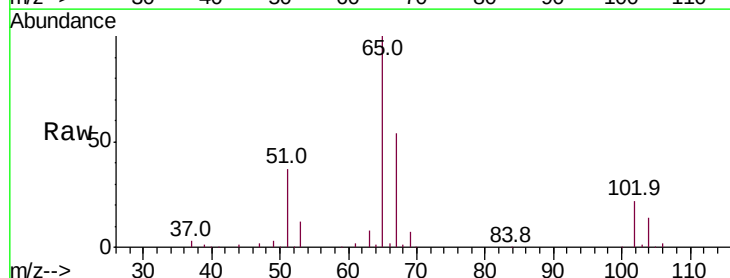
Acq: 3 Jun 2019 14:15

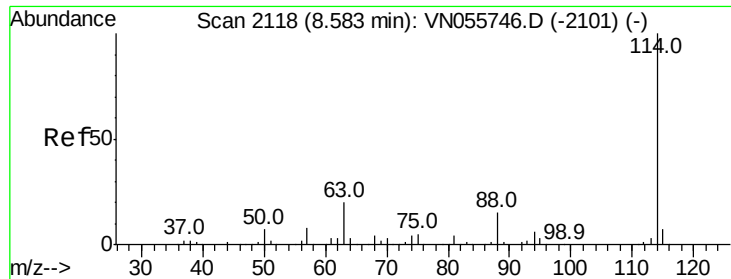
Tgt Ion: 65 Resp: 185420

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.2

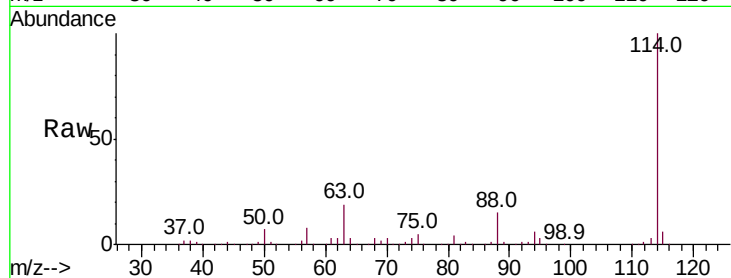




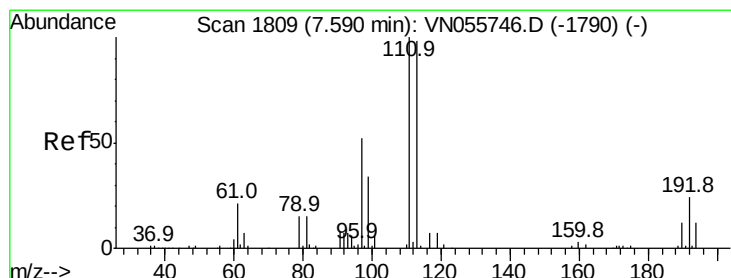
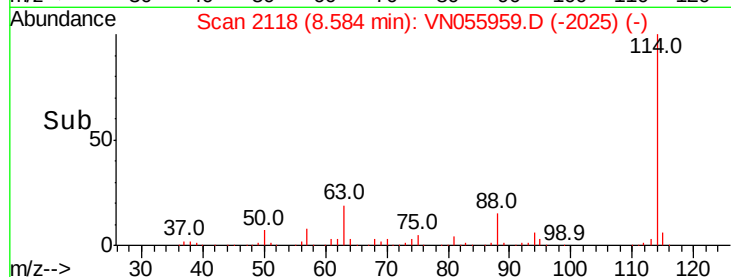
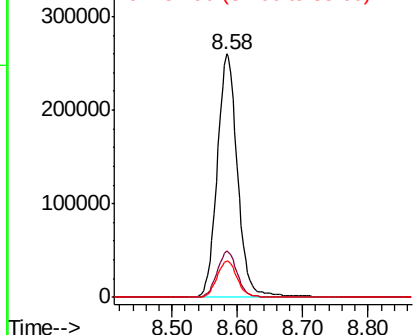
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-1

Tot Ion:114 Resp: 562580  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 39.2  
88 15.1 0.0 31.0

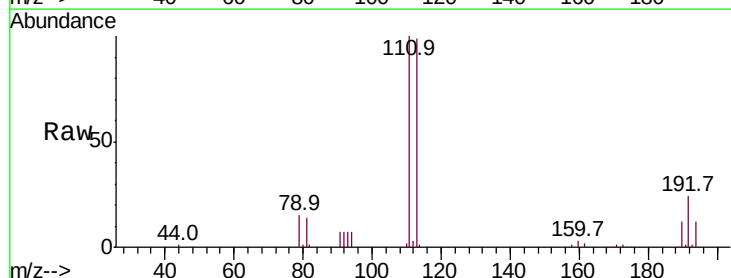


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

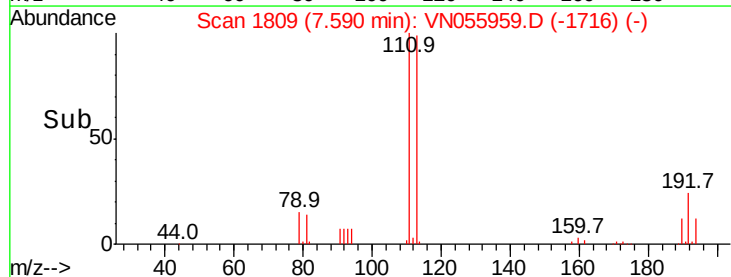
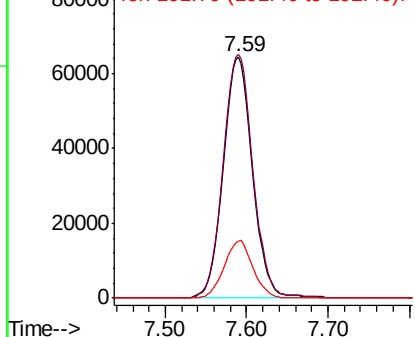


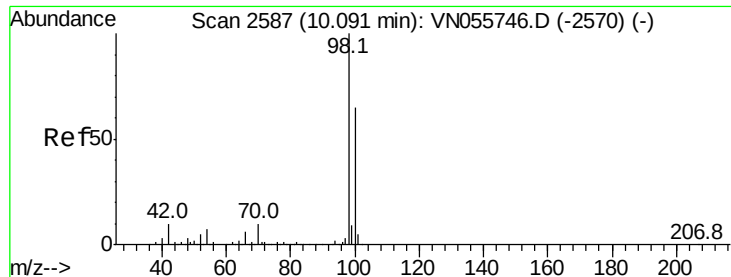
#35  
Dibromofluoromethane  
Concen: 45.753 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Tgt Ion:113 Resp: 162734  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.9 122.9  
192 23.4 19.5 29.3



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





#50

Toluene-d8

Concen: 49.538 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055959.D

Acq: 3 Jun 2019 14:15

Instrument :

MSVOA\_N

ClientSampleId :

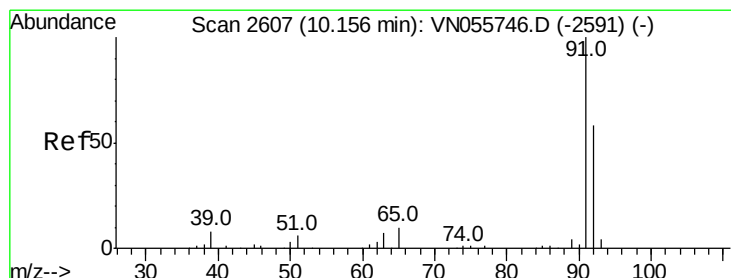
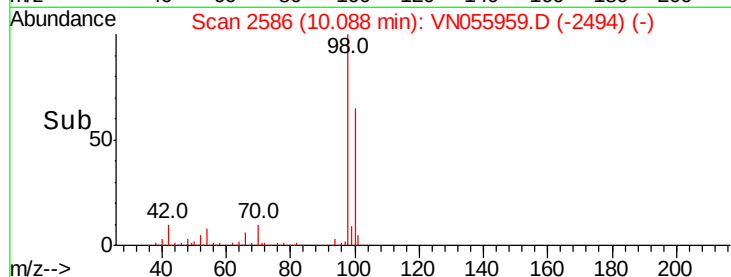
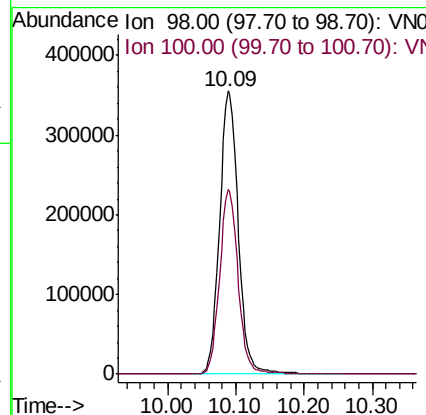
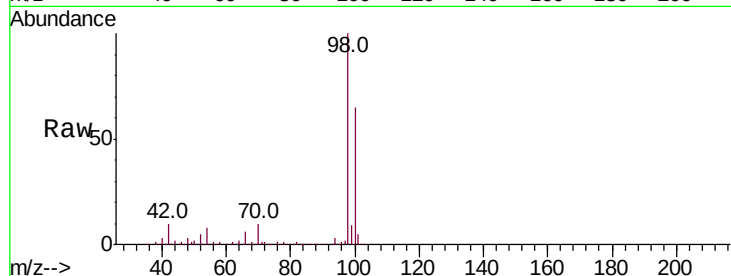
COMP-1

Tot Ion: 98 Resp: 675871

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#52

Toluene

Concen: 66.330 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055959.D

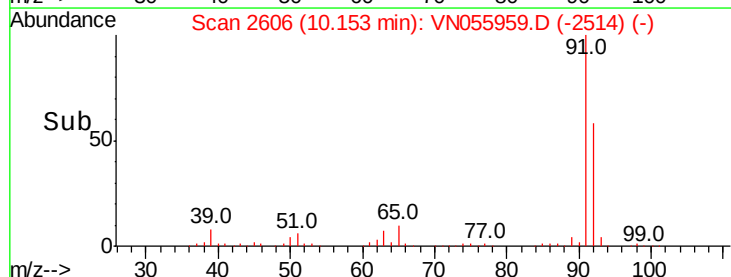
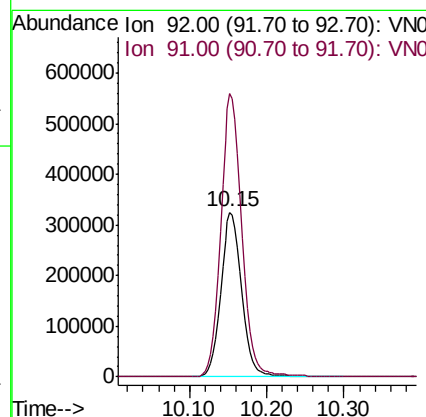
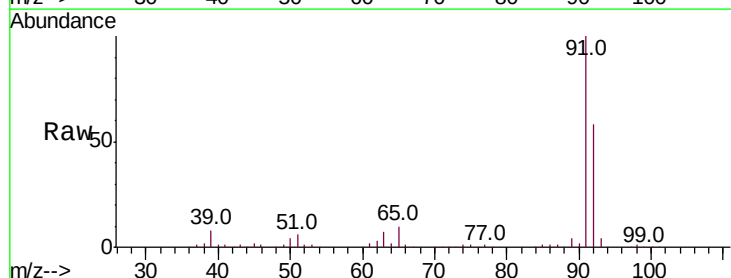
Acq: 3 Jun 2019 14:15

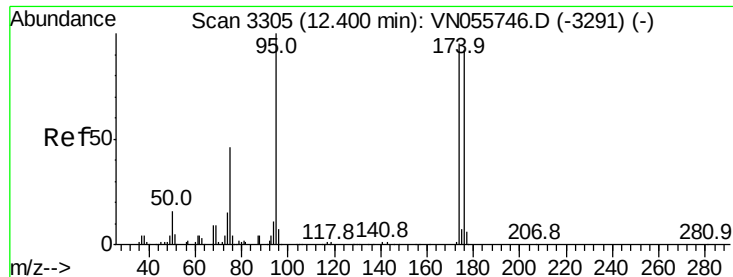
Tgt Ion: 92 Resp: 616392

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2

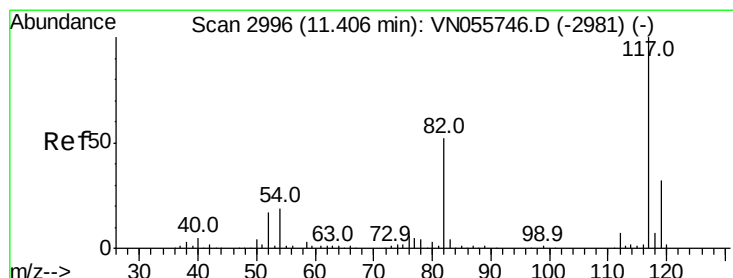
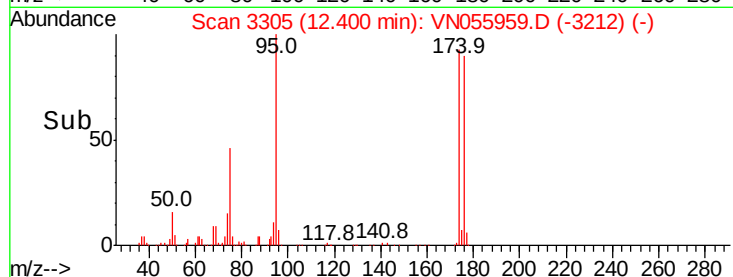
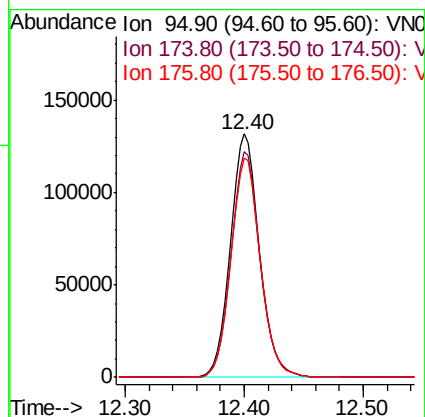
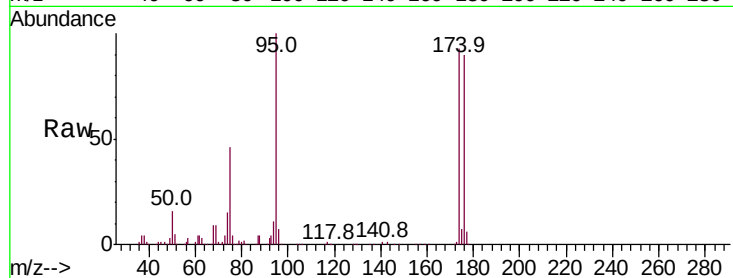




#62  
4-Bromofluorobenzene  
Concen: 47.313 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

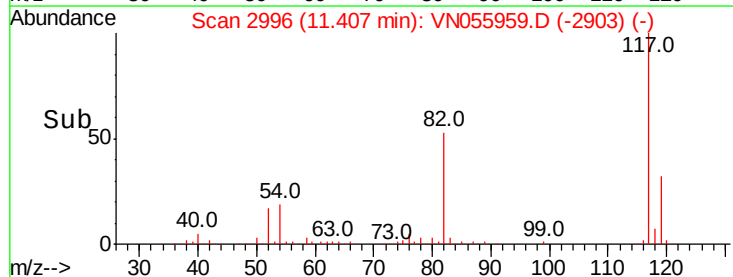
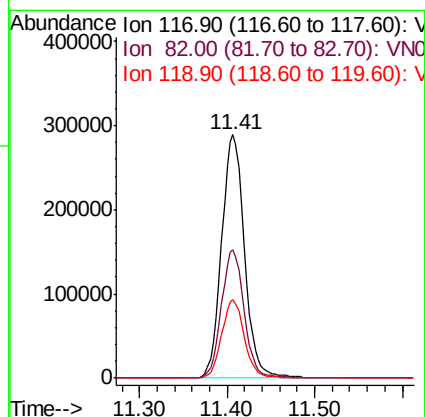
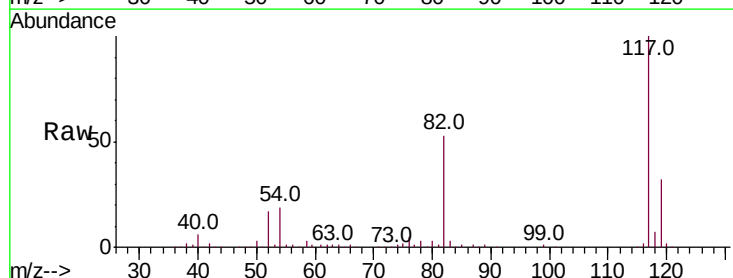
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-1

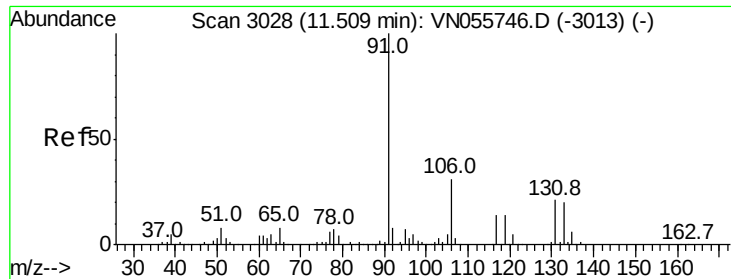
Tot Ion: 95 Resp: 221343  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 191.0  
176 91.3 0.0 185.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Tgt Ion: 117 Resp: 525334  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.8 62.8  
119 32.1 25.4 38.0

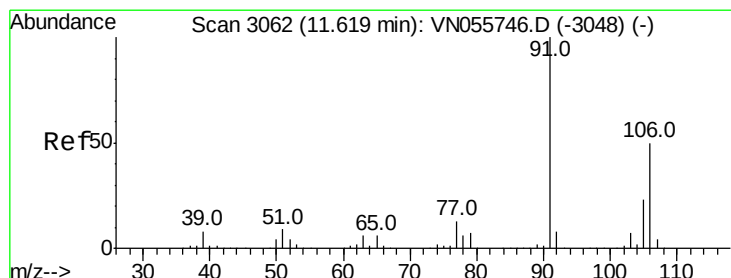
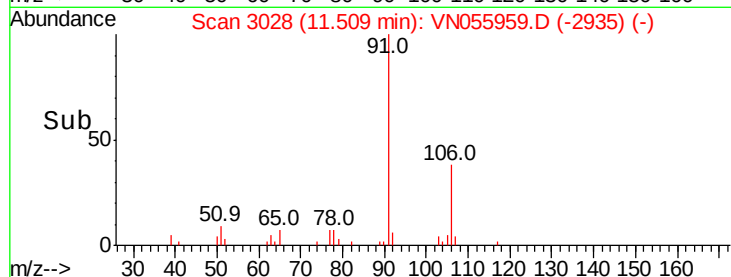
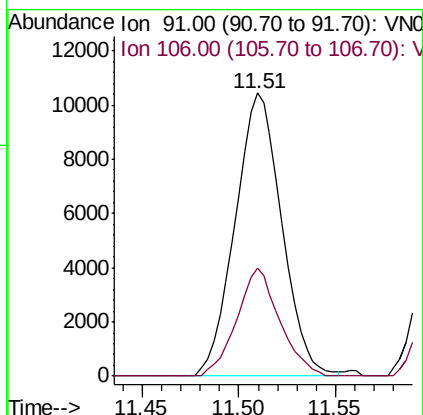
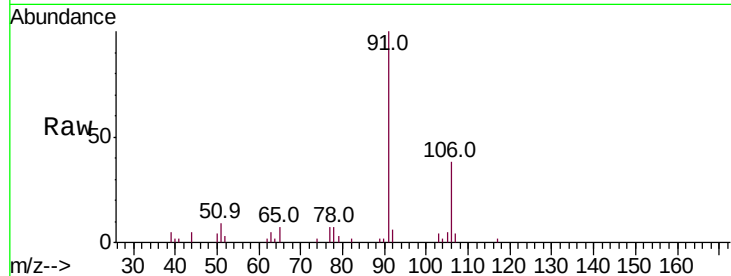




#67  
Ethyl Benzene  
Concen: 0.928 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

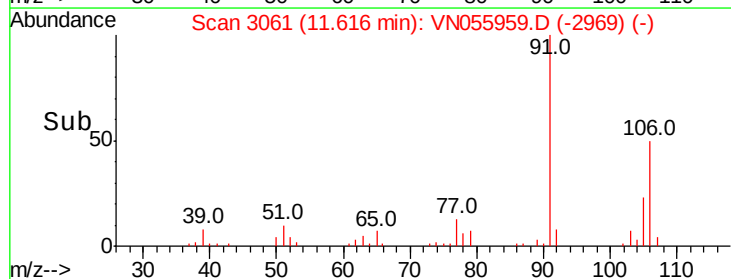
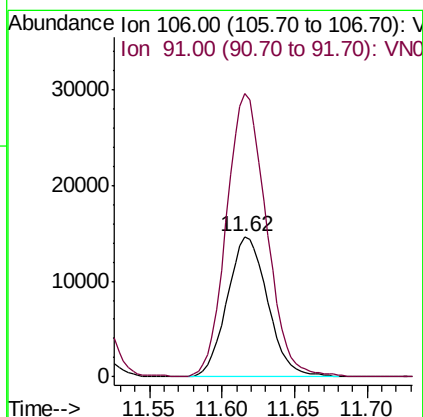
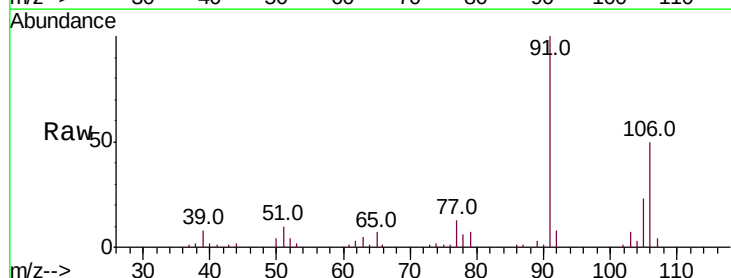
Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-1

Tot Ion: 91 Resp: 17503  
Ion Ratio Lower Upper  
91 100  
106 37.9 25.1 37.7#

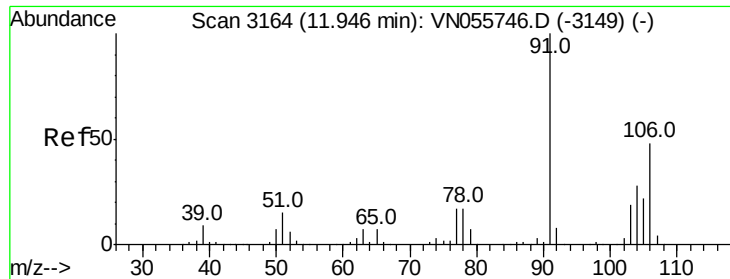


#68  
m/p-Xylenes  
Concen: 3.970 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Tgt Ion:106 Resp: 28304  
Ion Ratio Lower Upper  
106 100  
91 199.8 159.3 238.9



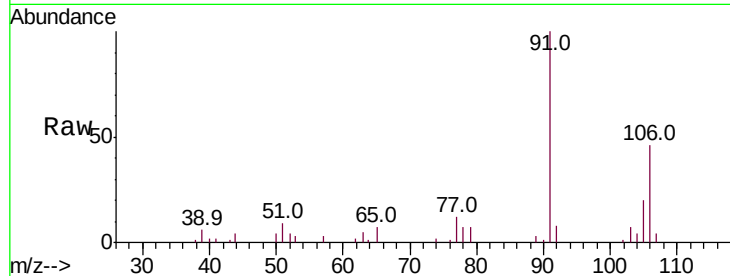




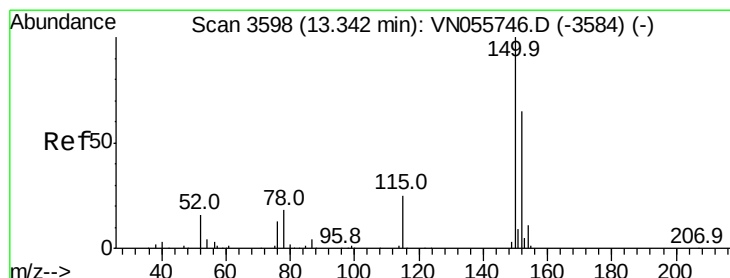
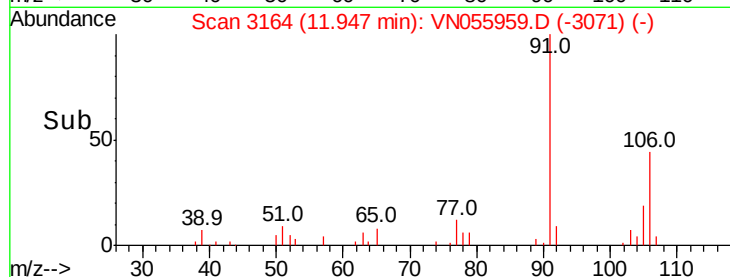
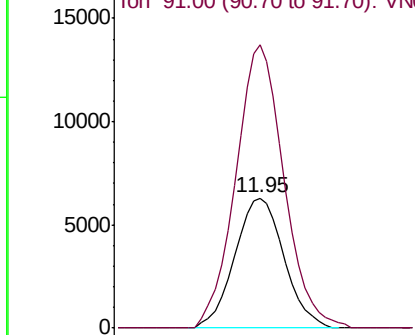
#69  
o-Xylene  
Concen: 1.519 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-1

Tot Ion:106 Resp: 10746  
Ion Ratio Lower Upper  
106 100  
91 213.2 104.7 314.1

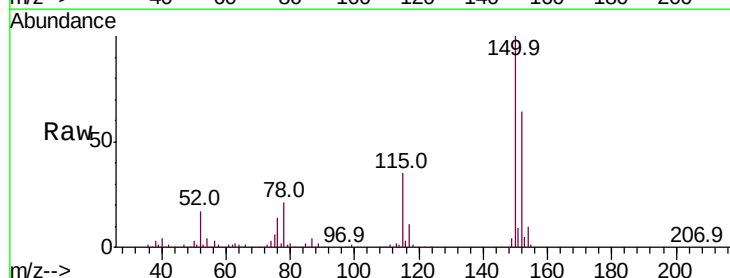


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

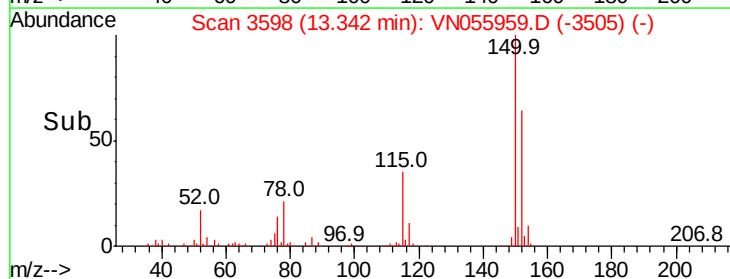
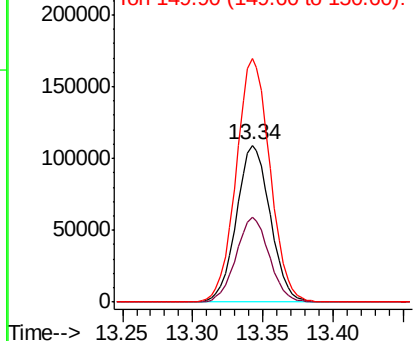


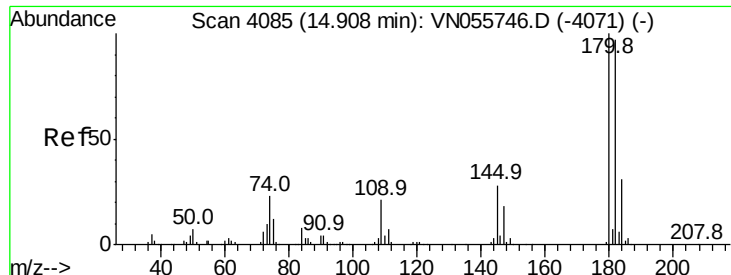
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055959.D  
Acq: 3 Jun 2019 14:15

Tgt Ion:152 Resp: 183564  
Ion Ratio Lower Upper  
152 100  
115 53.1 27.0 81.0  
150 155.1 0.0 343.2



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

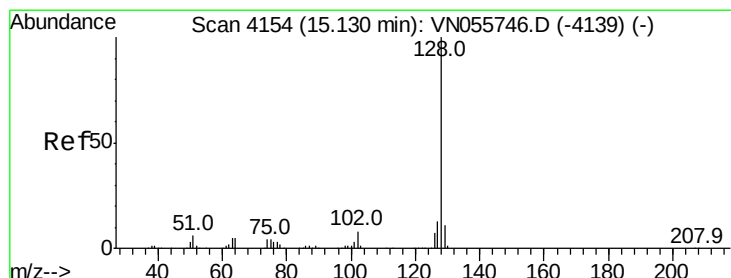
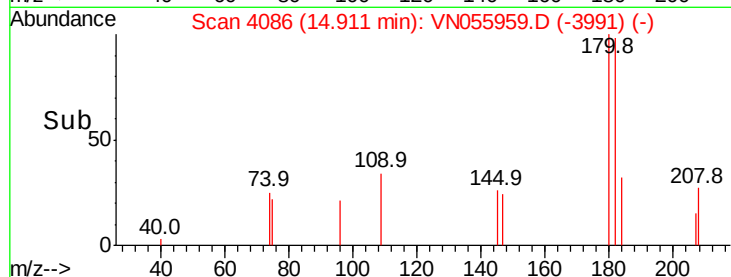
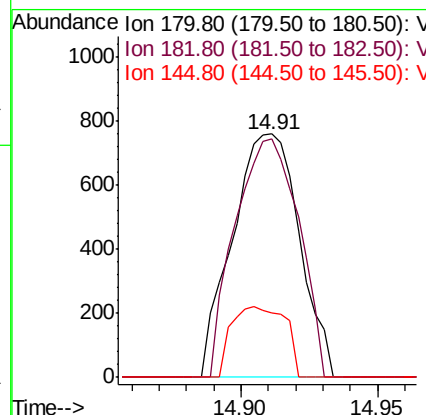
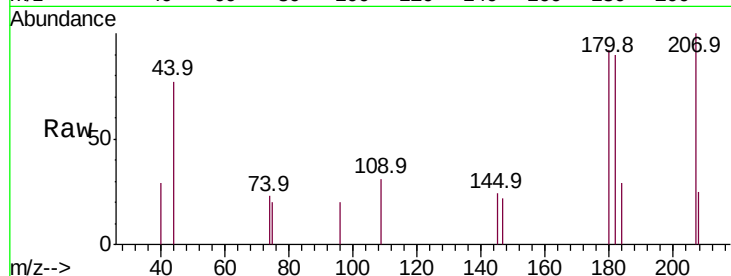




#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.974 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN055959.D  
 Acq: 3 Jun 2019 14:15

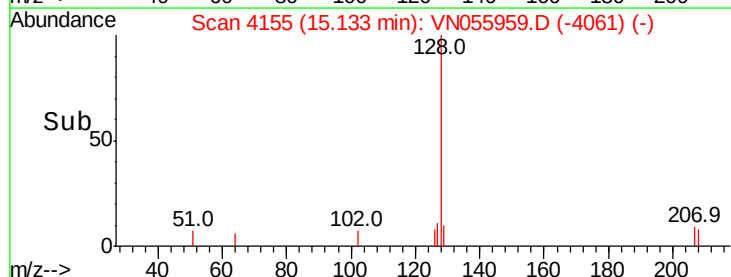
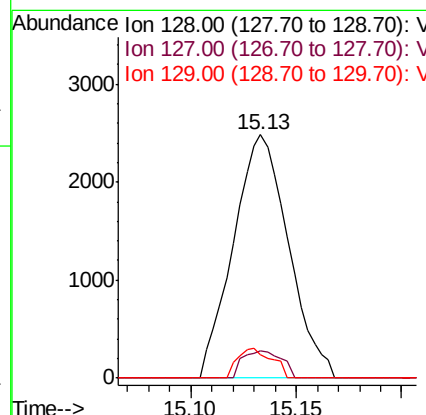
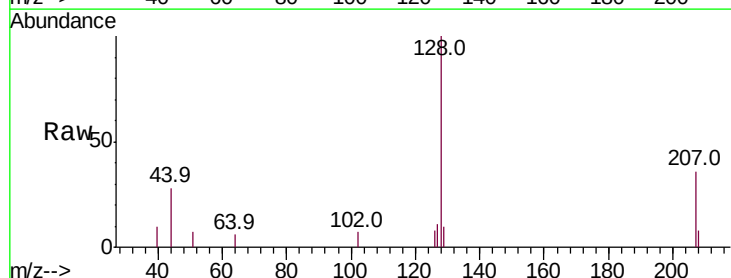
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 COMP-1

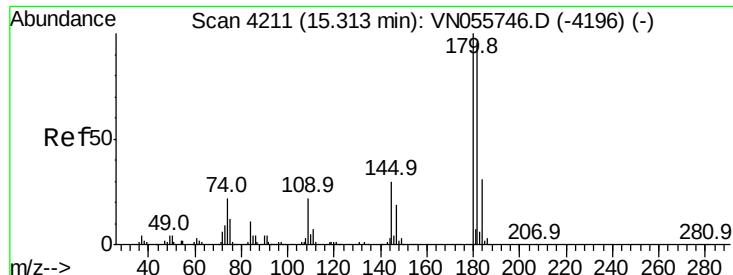
Tot Ion:180 Resp: 1293  
 Ion Ratio Lower Upper  
 180 100  
 182 93.4 48.3 144.9  
 145 23.4 14.0 41.9



#95  
 Naphthalene  
 Concen: 0.531 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN055959.D  
 Acq: 3 Jun 2019 14:15

Tgt Ion:128 Resp: 4508  
 Ion Ratio Lower Upper  
 128 100  
 127 7.8 10.3 15.5#  
 129 7.7 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.466 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN055959.D  
 Acq: 3 Jun 2019 14:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 88.5  | 47.9  | 143.7 |
| 145     | 17.0  | 14.9  | 44.7  |

