

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
 Data File : VN055942.D  
 Acq On : 1 Jun 2019 2:26  
 Operator : JC/SP  
 Sample : K3125-14 10X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-1

Quant Time: Jun 01 04:13:56 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

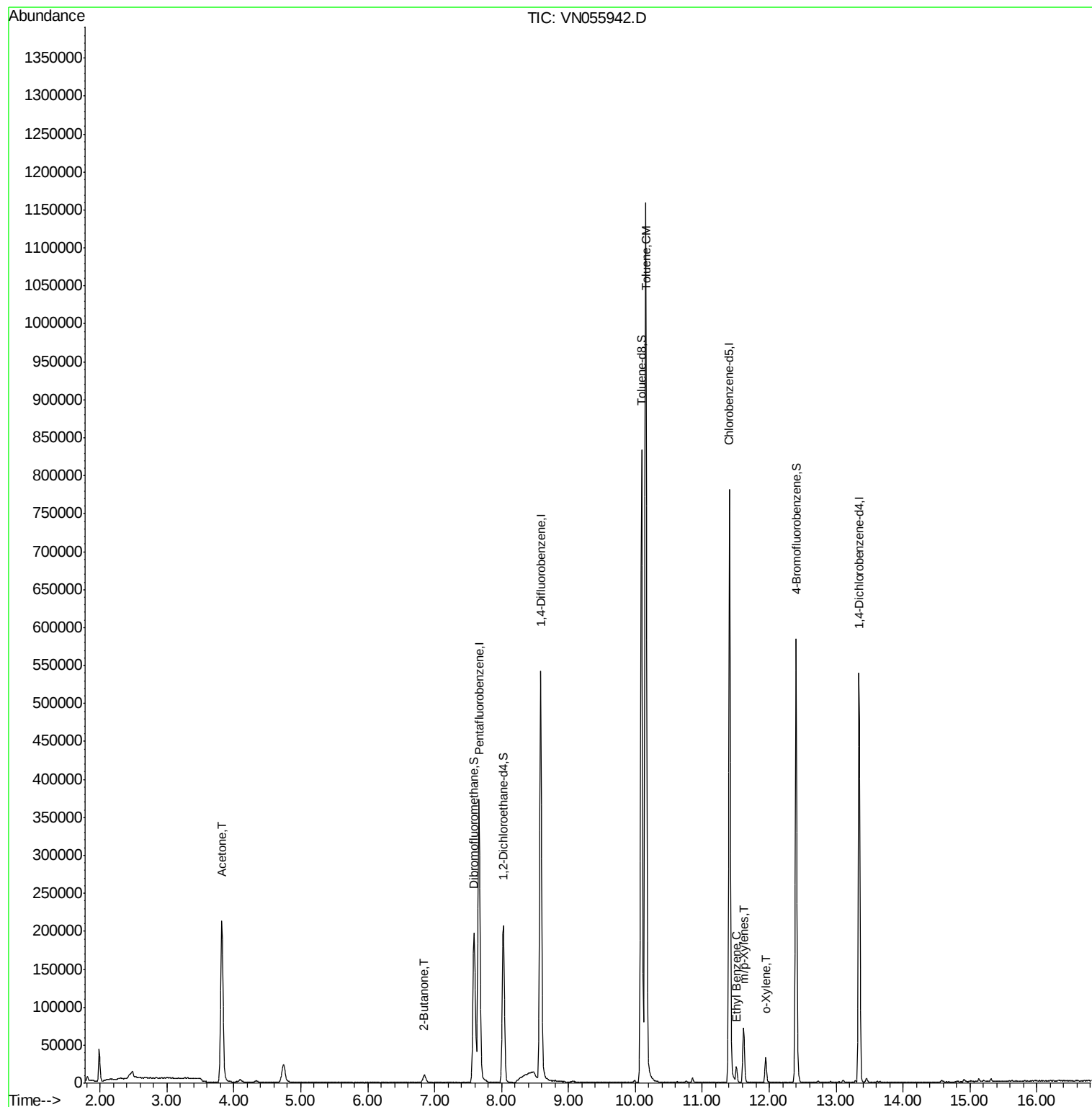
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 7.66   | 168  | 350606   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 528860   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 494790   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 164967   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 177560   | 49.04   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 98.08% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 151884   | 45.42   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 90.84% |          |
| 50) Toluene-d8              | 10.09  | 98   | 630215   | 49.14   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 98.28% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 206813   | 47.03   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 94.06% |          |
| Target Compounds            |        |      |          |         |        |          |
| 16) Acetone                 | 3.82   | 43   | 348458   | 218.933 | ug/l   | 99       |
| 25) 2-Butanone              | 6.85   | 43   | 5308     | 2.388   | ug/l # | 88       |
| 52) Toluene                 | 10.16  | 92   | 545573   | 62.452  | ug/l   | 100      |
| 67) Ethyl Benzene           | 11.51  | 91   | 16303    | 0.918   | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.62  | 106  | 25717    | 3.830   | ug/l   | 97       |
| 69) o-Xylene                | 11.95  | 106  | 9488     | 1.424   | ug/l   | 98       |

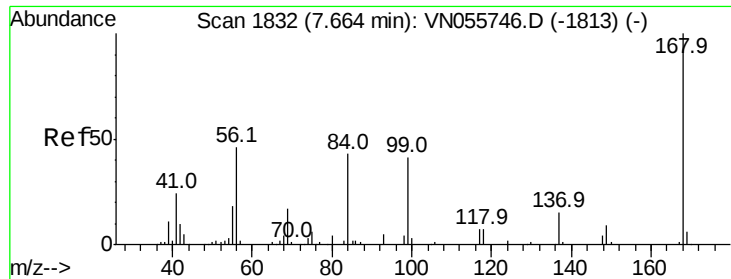
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
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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: VN055942.D

Acq: 1 Jun 2019 2:26

Instrument :

MSVOA\_N

ClientSampleId :

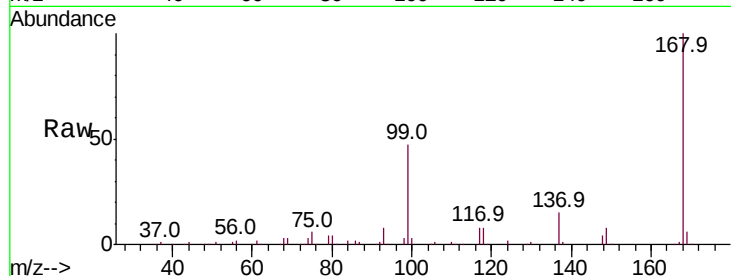
COMP-1

Tot Ion:168 Resp: 350606

Ion Ratio Lower Upper

168 100

99 47.0 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

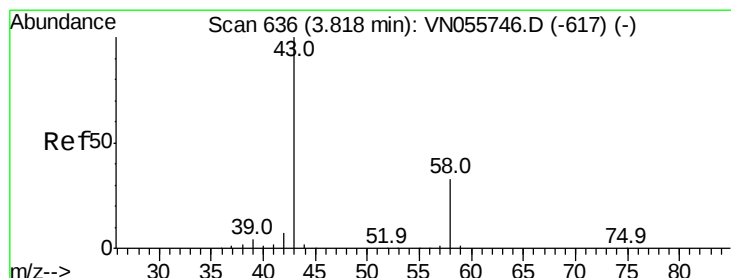
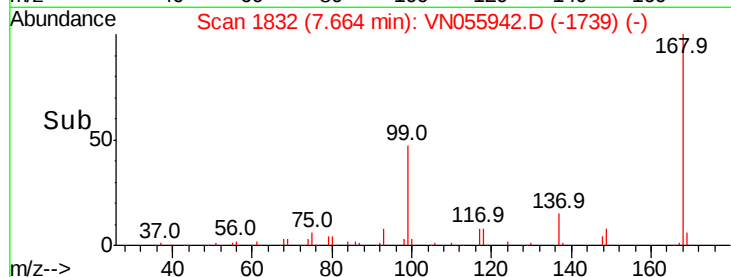
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 218.933 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055942.D

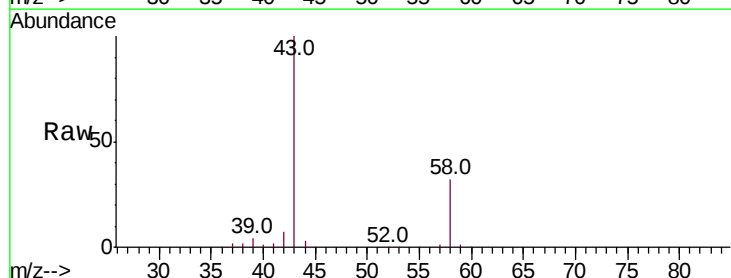
Acq: 1 Jun 2019 2:26

Tgt Ion: 43 Resp: 348458

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

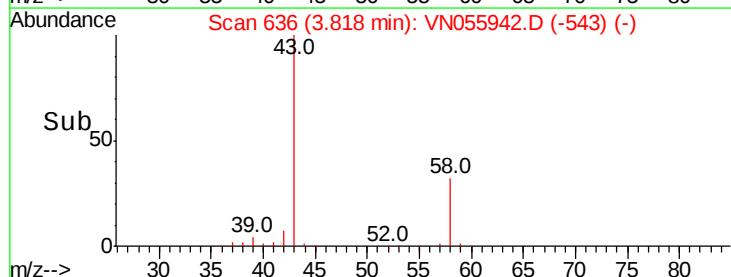
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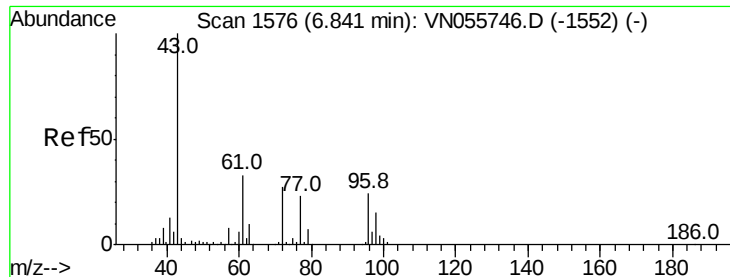
50000

0

3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 2.388 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN055942.D

Acq: 1 Jun 2019 2:26

Instrument :

MSVOA\_N

ClientSampled :

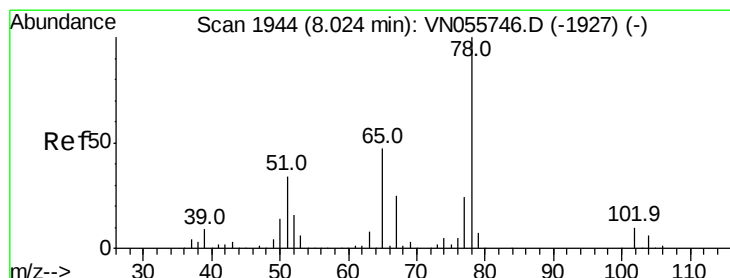
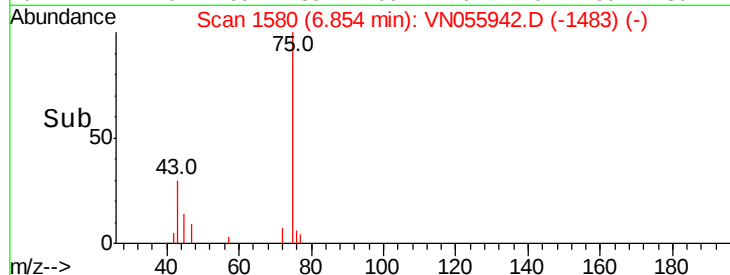
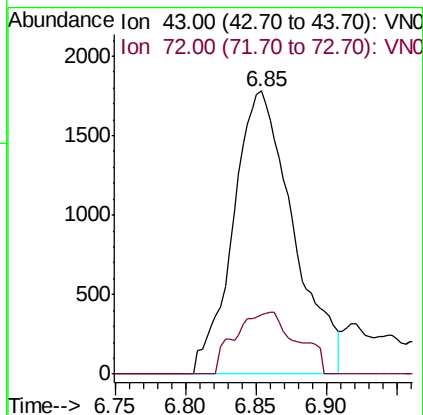
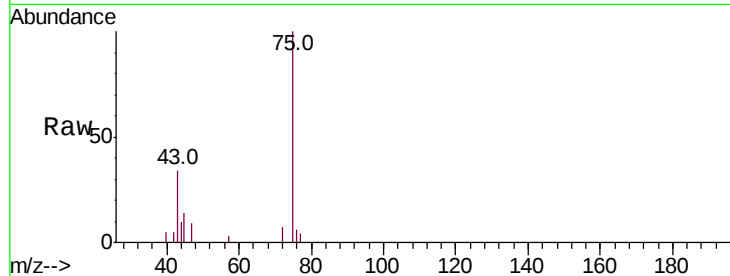
COMP-1

Tot Ion: 43 Resp: 5308

Ion Ratio Lower Upper

43 100

72 20.9 21.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 49.039 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055942.D

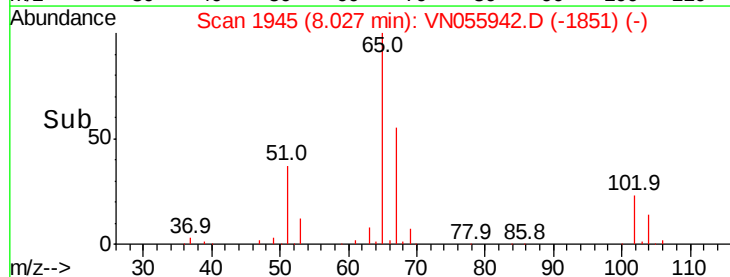
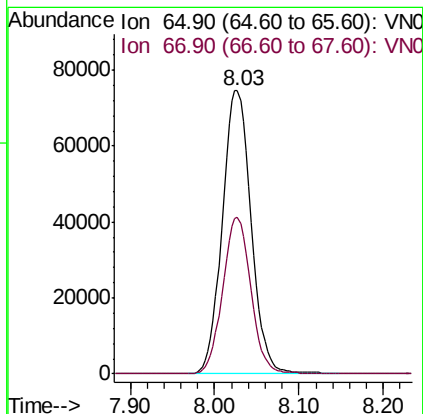
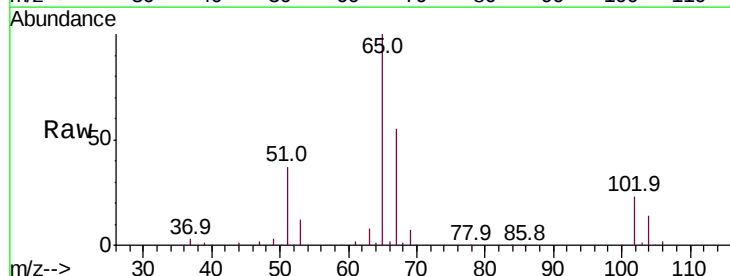
Acq: 1 Jun 2019 2:26

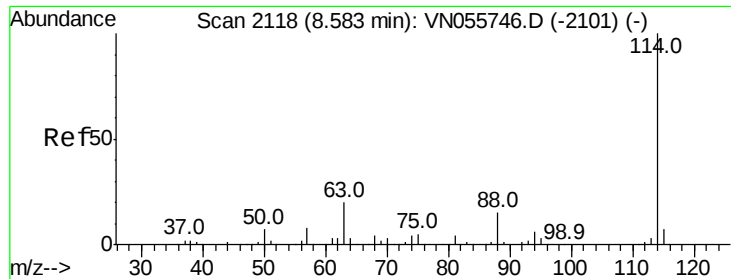
Tgt Ion: 65 Resp: 177560

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.2

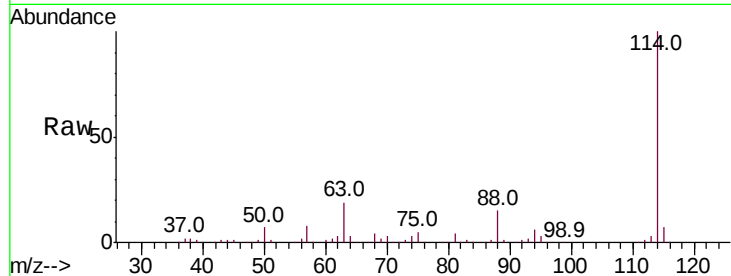




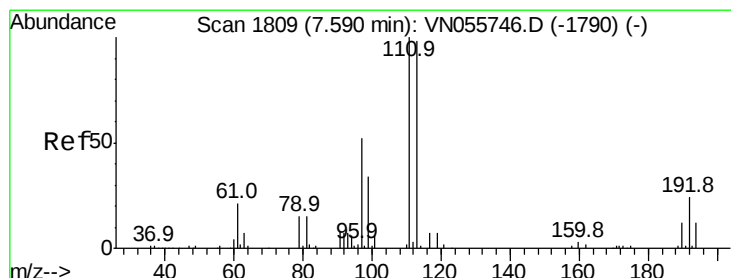
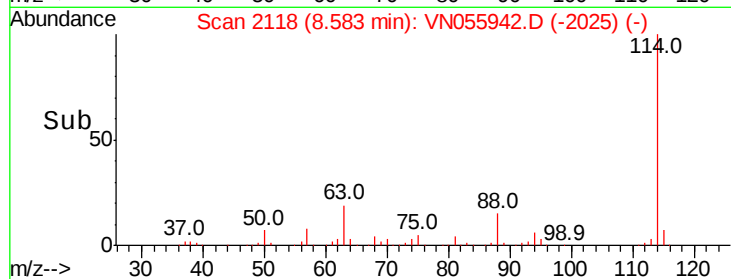
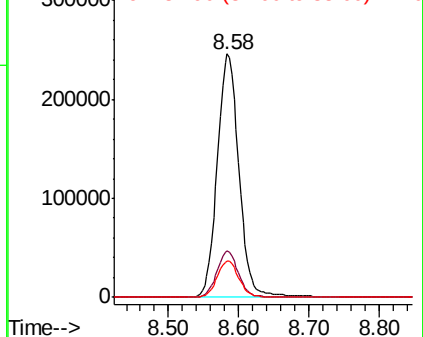
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055942.D  
 Acq: 1 Jun 2019 2:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-1

Tot Ion:114 Resp: 528860  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 39.2  
 88 15.1 0.0 31.0

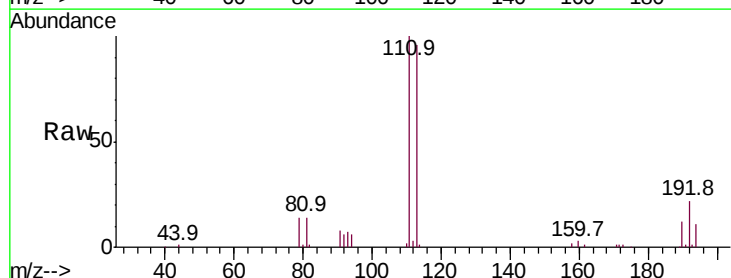


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

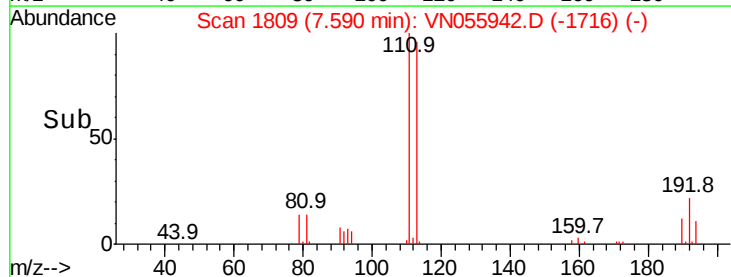
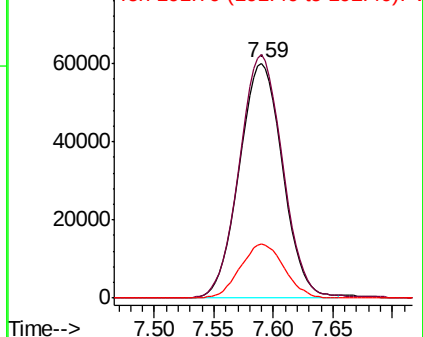


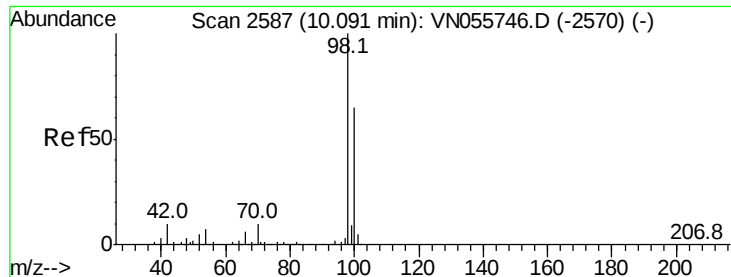
#35  
 Dibromofluoromethane  
 Concen: 45.425 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055942.D  
 Acq: 1 Jun 2019 2:26

Tgt Ion:113 Resp: 151884  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 81.9 122.9  
 192 23.3 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: 49.136 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055942.D

Acq: 1 Jun 2019 2:26

Instrument :

MSVOA\_N

ClientSampleId :

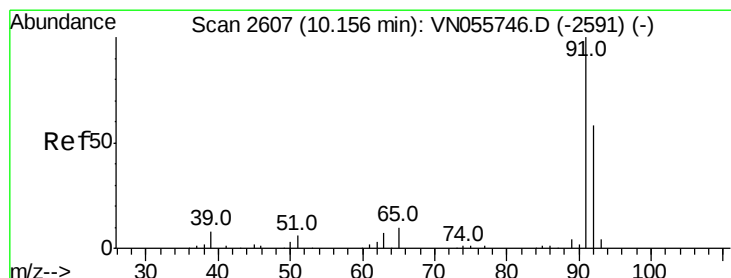
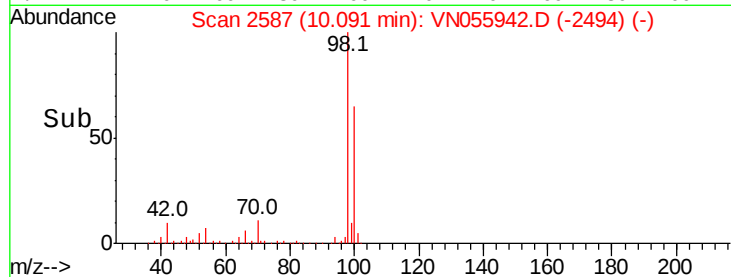
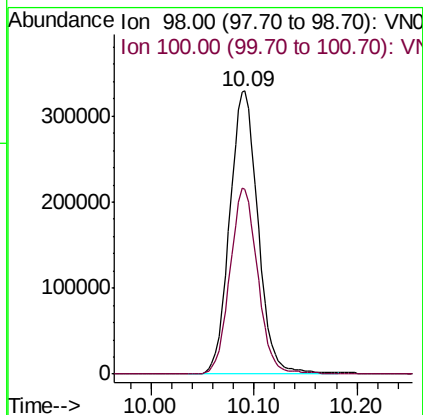
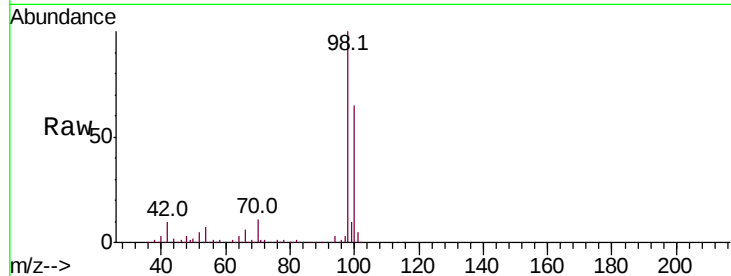
COMP-1

Tot Ion: 98 Resp: 630215

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



#52

Toluene

Concen: 62.452 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055942.D

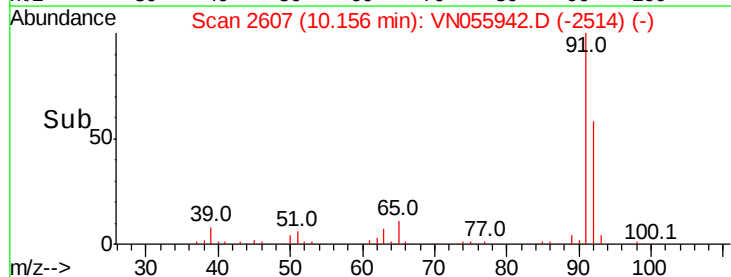
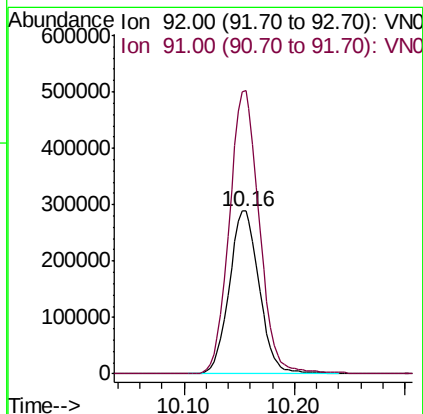
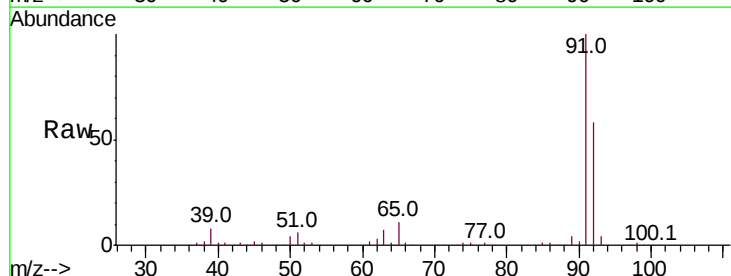
Acq: 1 Jun 2019 2:26

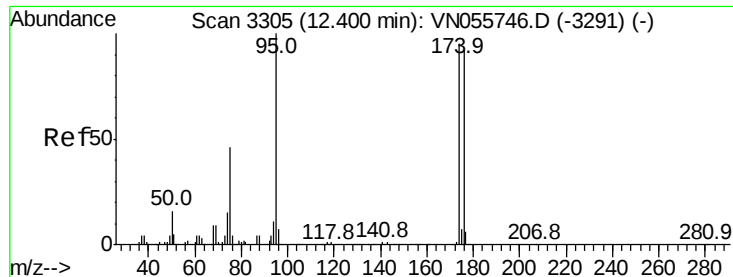
Tgt Ion: 92 Resp: 545573

Ion Ratio Lower Upper

92 100

91 174.8 139.4 209.2

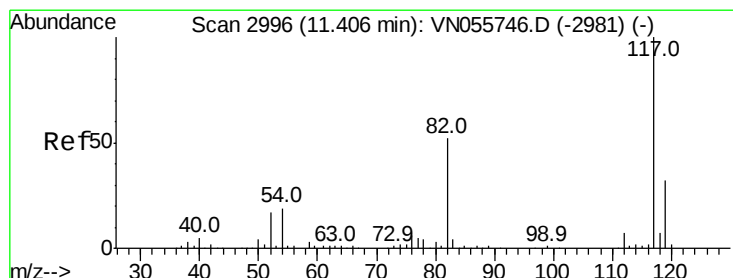
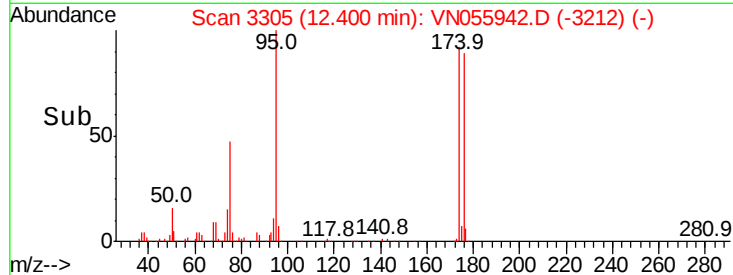
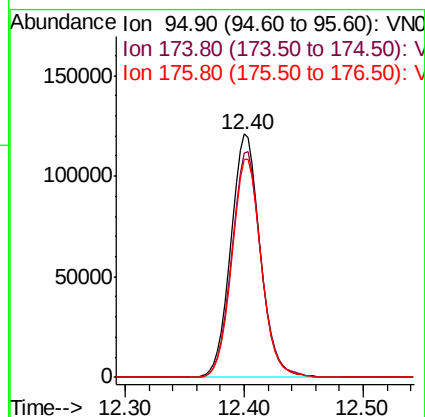
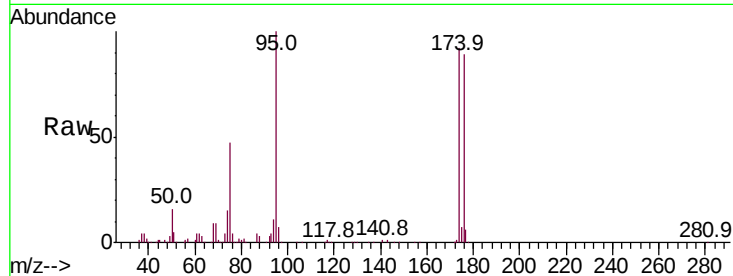




#62  
4-Bromofluorobenzene  
Concen: 47.026 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

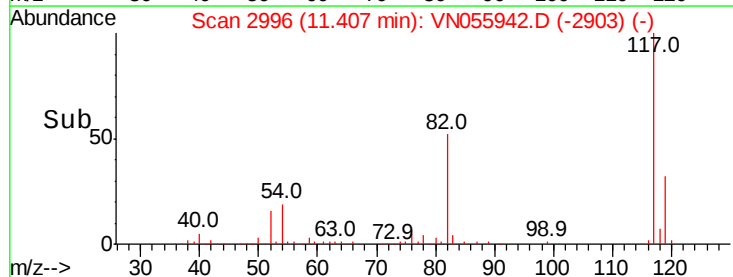
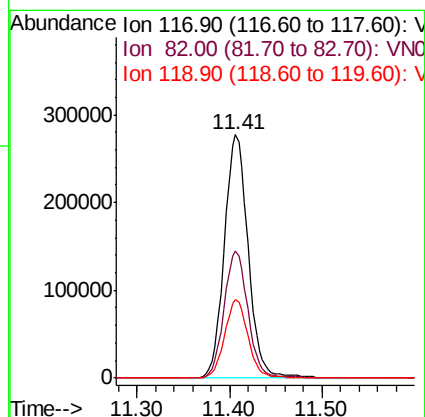
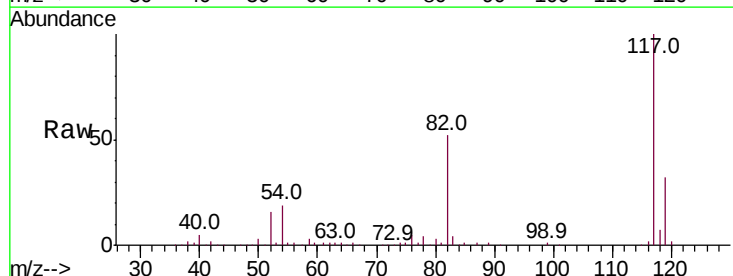
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-1

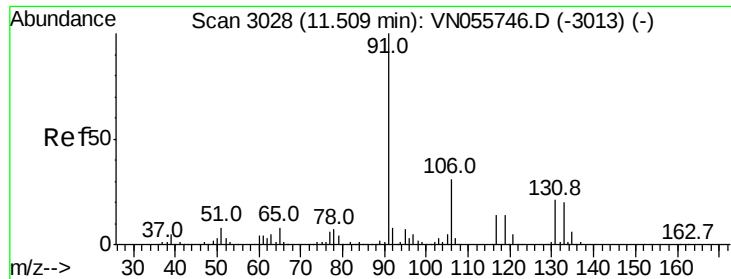
Tot Ion: 95 Resp: 206813  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 191.0  
176 89.8 0.0 185.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

Tgt Ion: 117 Resp: 494790  
Ion Ratio Lower Upper  
117 100  
82 52.1 41.8 62.8  
119 32.3 25.4 38.0

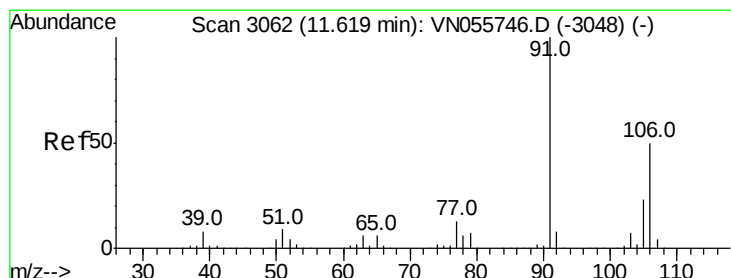
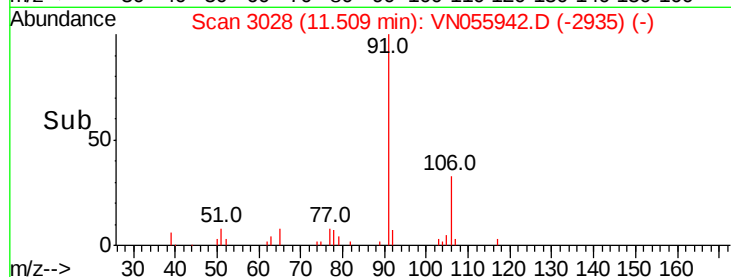
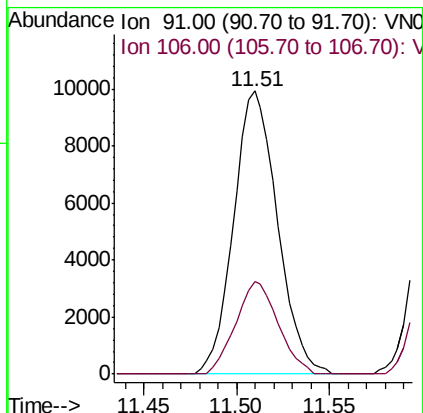
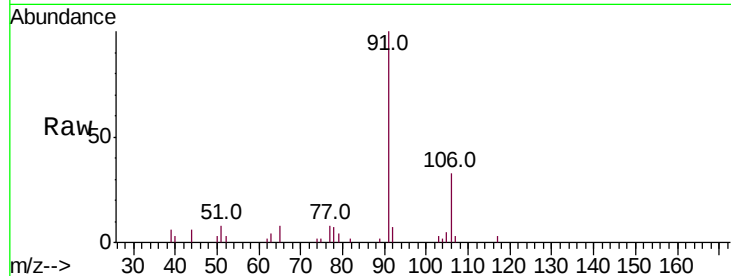




#67  
Ethyl Benzene  
Concen: 0.918 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

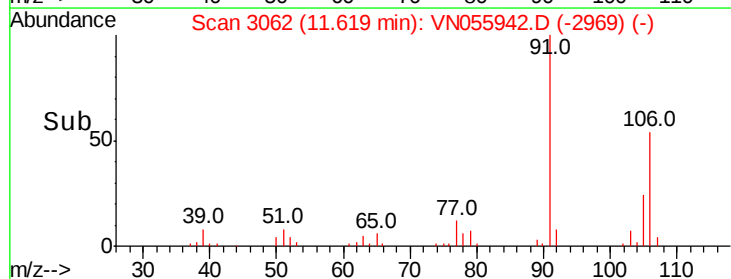
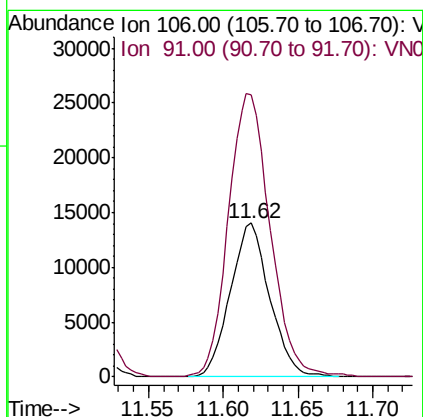
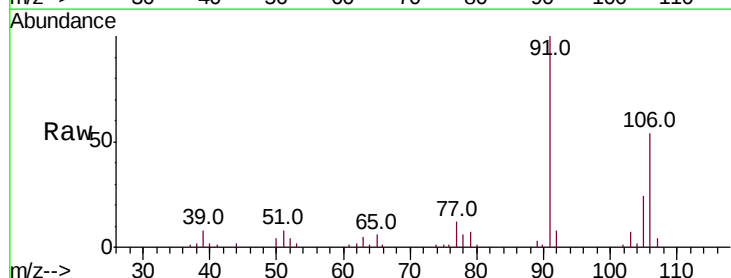
Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-1

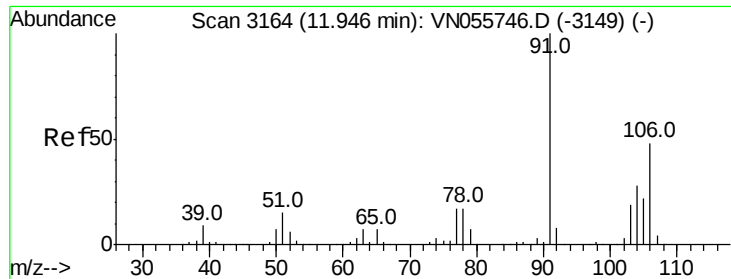
Tot Ion: 91 Resp: 16303  
Ion Ratio Lower Upper  
91 100  
106 32.5 25.1 37.7



#68  
m/p-Xylenes  
Concen: 3.830 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

Tgt Ion: 106 Resp: 25717  
Ion Ratio Lower Upper  
106 100  
91 195.3 159.3 238.9

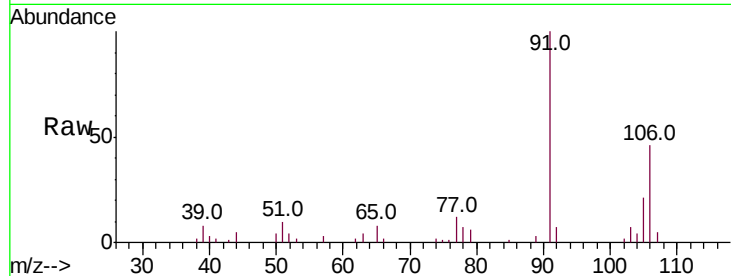




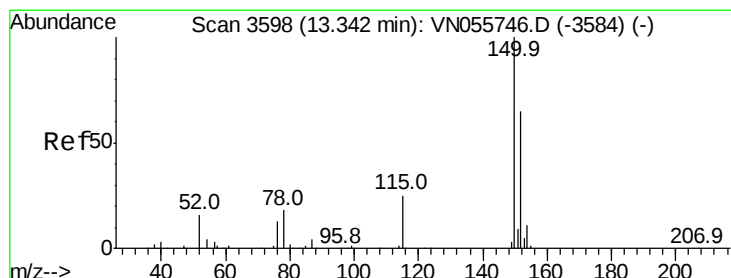
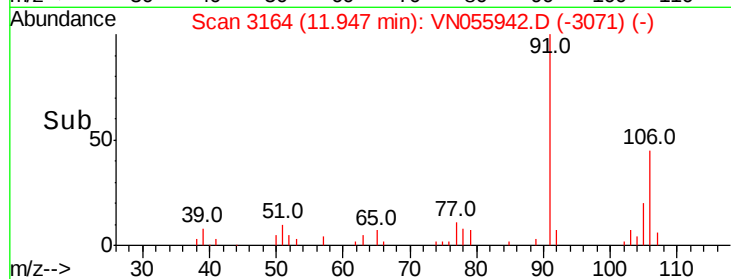
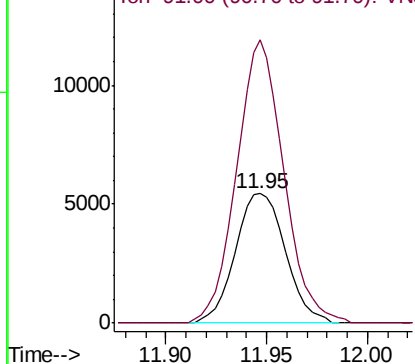
#69  
o-Xylene  
Concen: 1.424 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-1

Tot Ion:106 Resp: 9488  
Ion Ratio Lower Upper  
106 100  
91 205.5 104.7 314.1

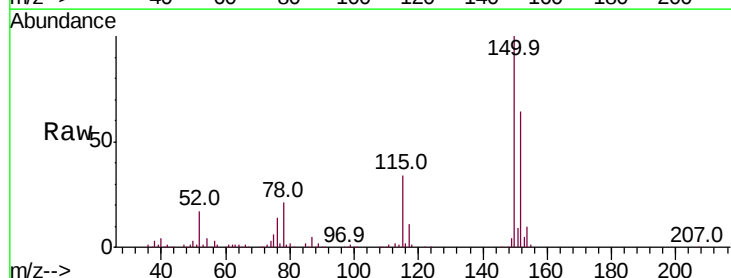


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055942.D  
Acq: 1 Jun 2019 2:26

Tgt Ion:152 Resp: 164967  
Ion Ratio Lower Upper  
152 100  
115 53.4 27.0 81.0  
150 155.9 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

