

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\  
 Data File : VN056346.D  
 Acq On : 17 Jun 2019 17:33  
 Operator : JC/SP  
 Sample : K3154-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 JC-02-061419-A

Quant Time: Jun 18 05:40:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:23:59 2019  
 Response via : Initial Calibration

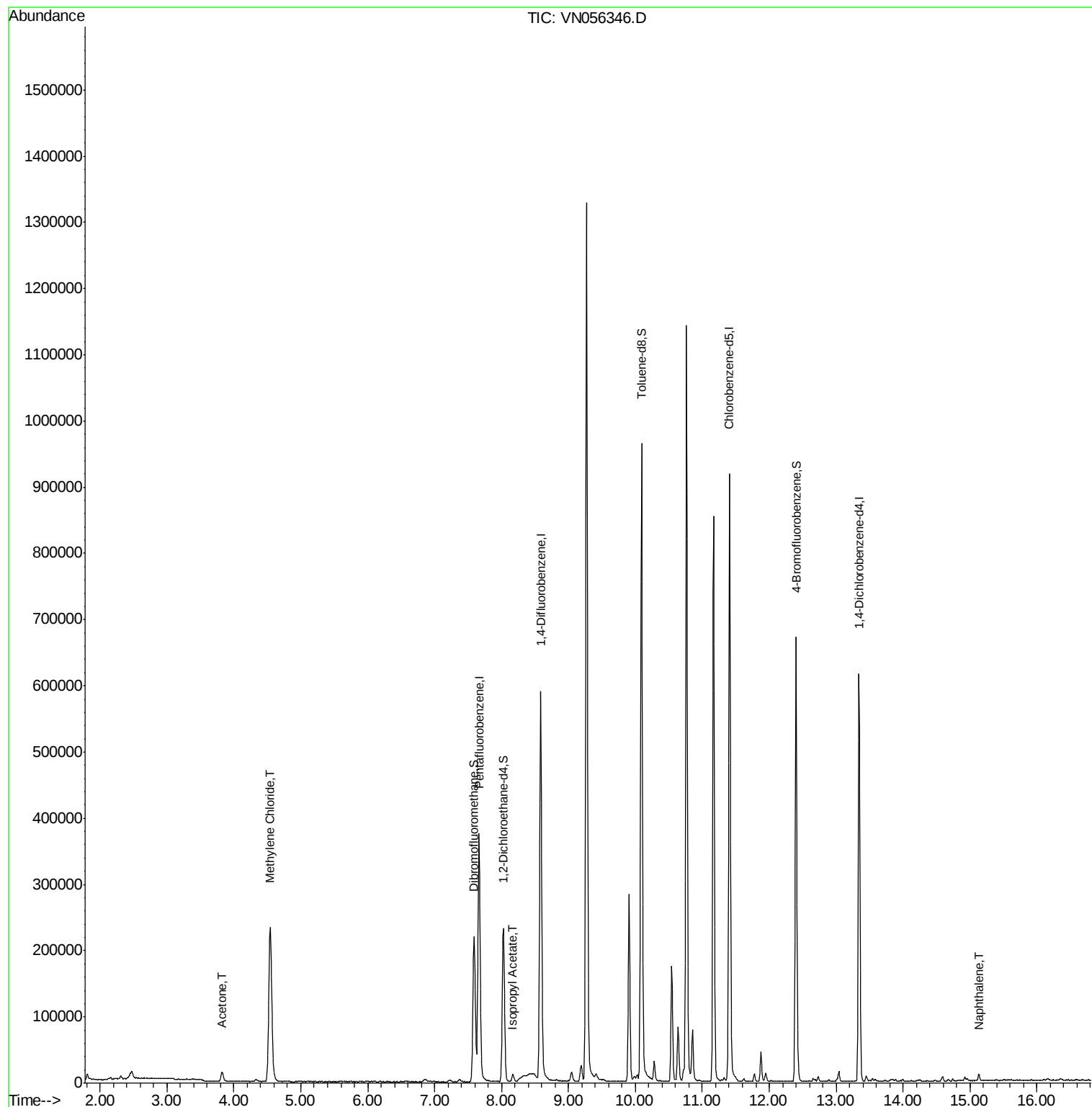
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 341671   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 578295   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 584074   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 184922   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 198584   | 51.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 171526   | 46.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.50%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 733327   | 51.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.52% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 241638   | 51.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.94% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 25148    | 11.846 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 187519   | 50.025 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 13682    | 1.734  | ug/l    | 97       |
| 95) Naphthalene             | 15.13 | 128  | 9699     | 5.700  | ug/l    | 99       |

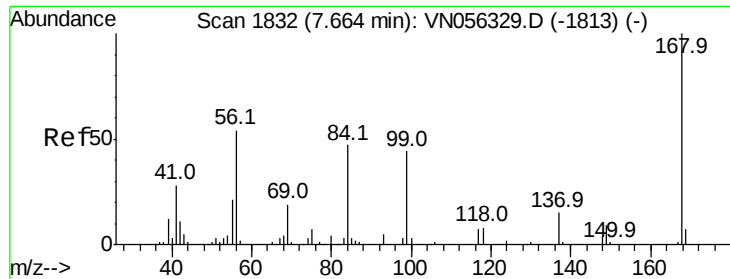
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061719\  
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Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:23:59 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: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

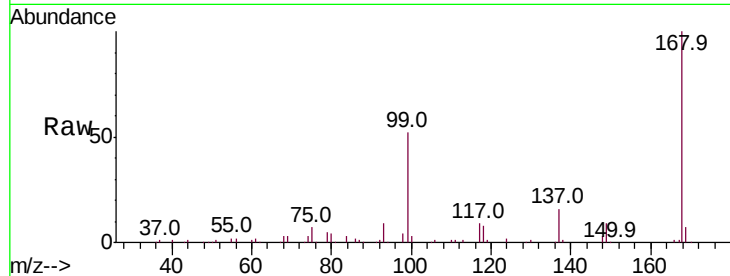
JC-02-061419-A

Tot Ion:168 Resp: 341671

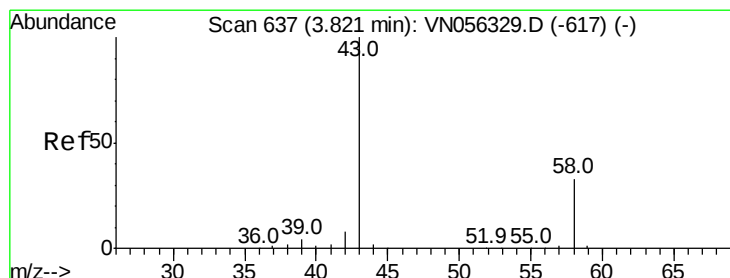
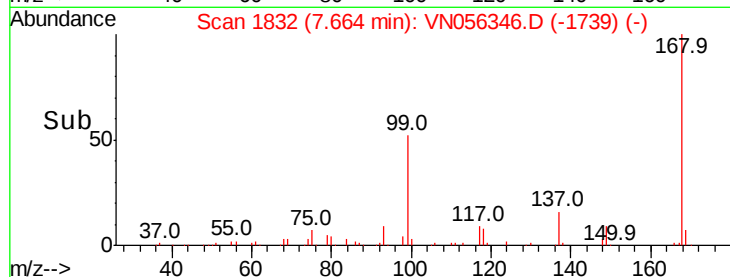
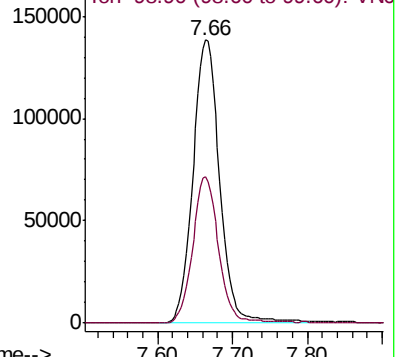
Ion Ratio Lower Upper

168 100

99 51.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)



#16

Acetone

Concen: 11.846 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056346.D

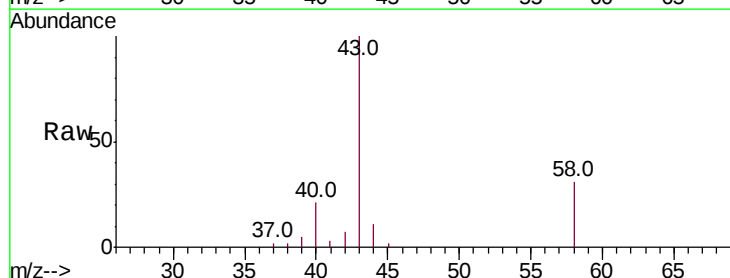
Acq: 17 Jun 2019 17:33

Tgt Ion: 43 Resp: 25148

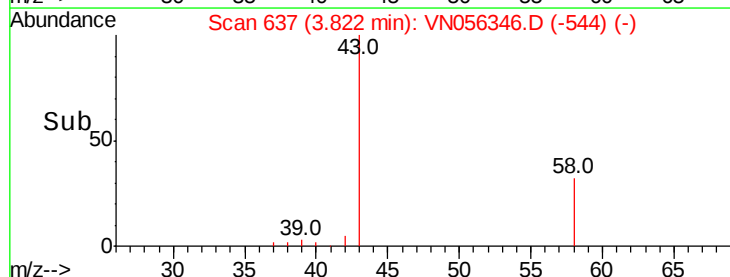
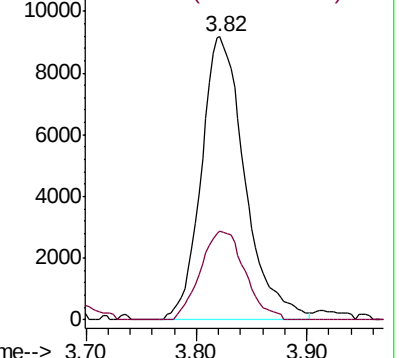
Ion Ratio Lower Upper

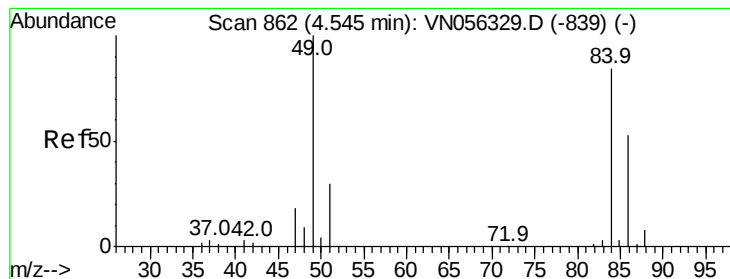
43 100

58 31.3 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-617) (-)





#20

Methvlene Chloride

Concen: 50.025 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

JC-02-061419-A

Tot Ion: 84 Resp: 187519

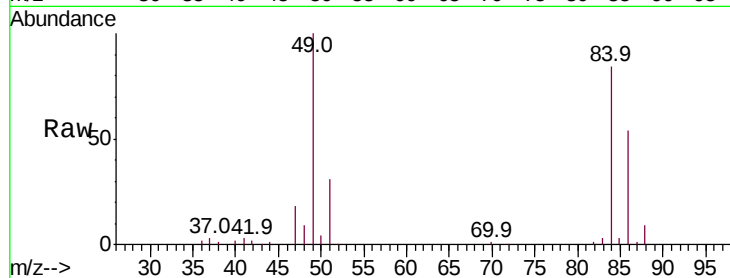
Ion Ratio Lower Upper

84 100

49 118.8 95.0 142.6

51 37.1 28.2 42.4

86 64.1 50.6 75.8

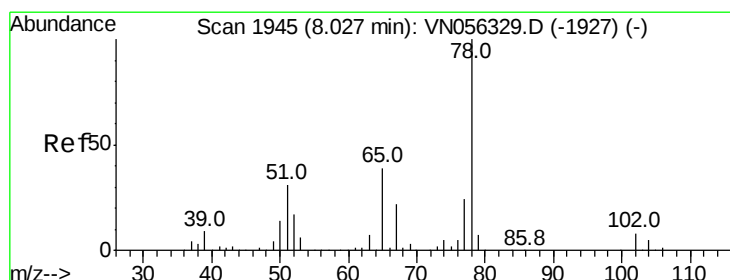
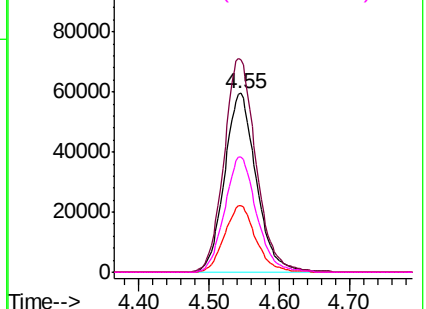
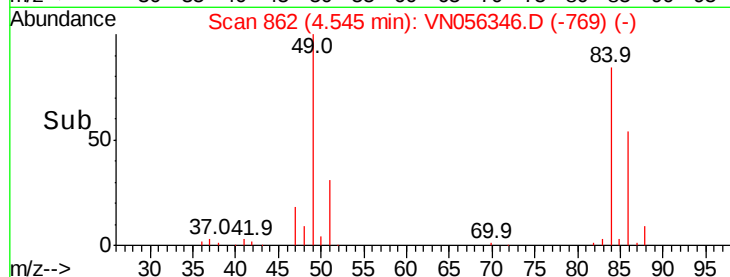


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.691 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056346.D

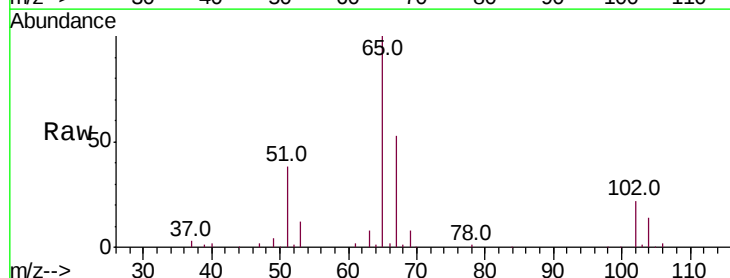
Acq: 17 Jun 2019 17:33

Tgt Ion: 65 Resp: 198584

Ion Ratio Lower Upper

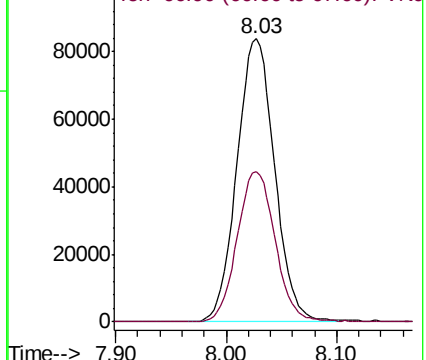
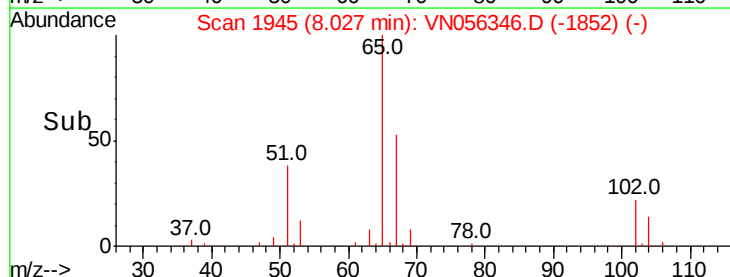
65 100

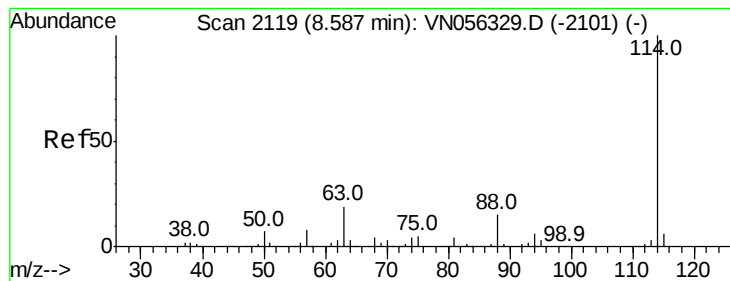
67 53.4 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

JC-02-061419-A

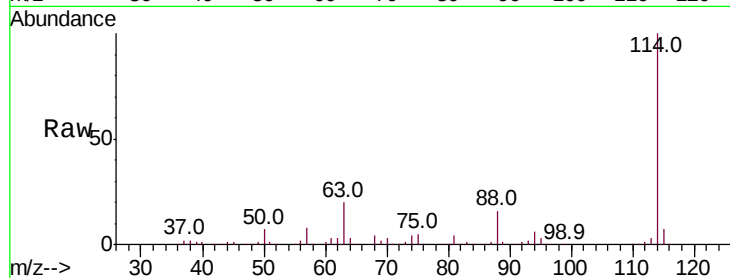
Tot Ion:114 Resp: 578295

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

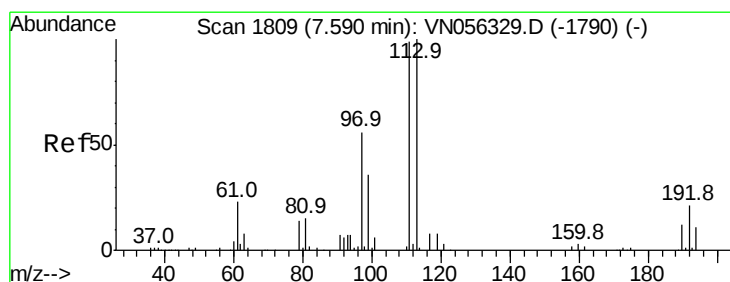
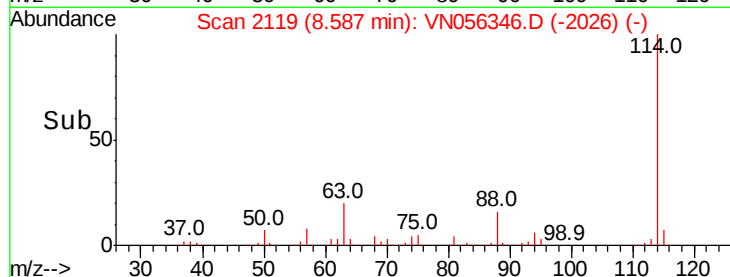
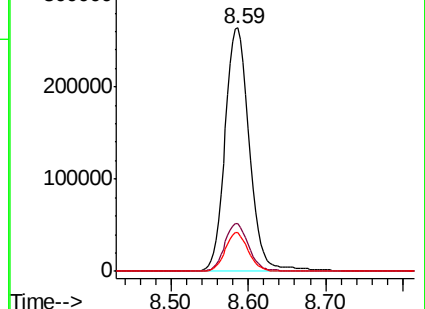
88 15.7 0.0 30.6



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: 46.252 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

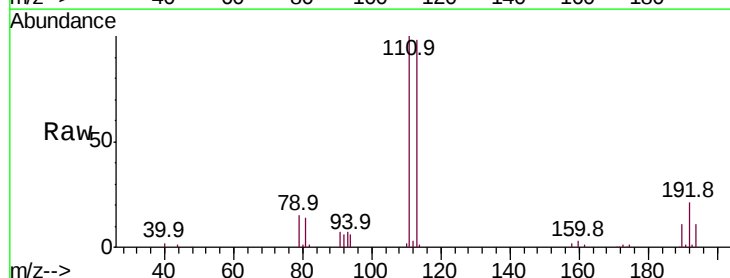
Tgt Ion:113 Resp: 171526

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

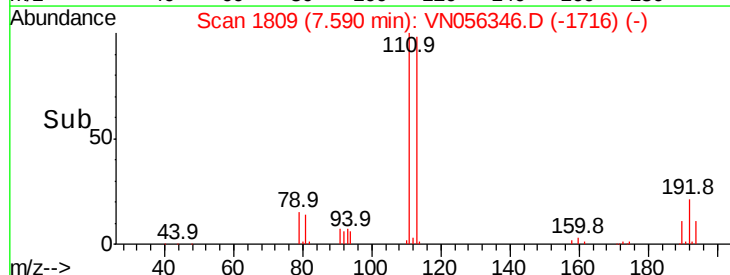
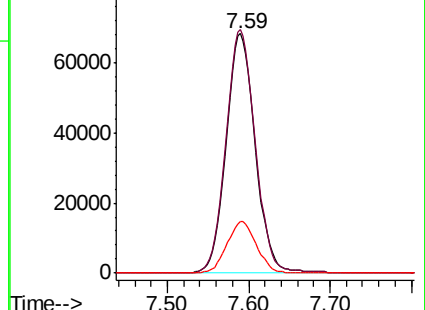
192 21.7 17.6 26.4

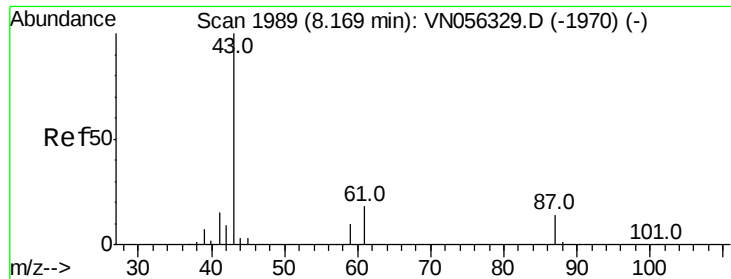


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.734 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

JC-02-061419-A

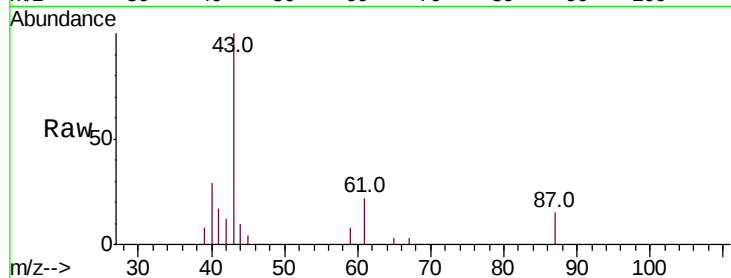
Tot Ion: 43 Resp: 13682

Ion Ratio Lower Upper

43 100

61 20.6 16.6 25.0

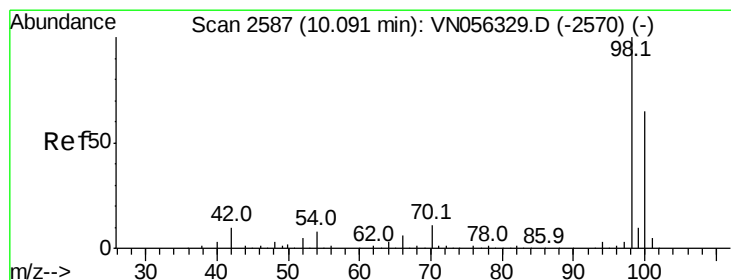
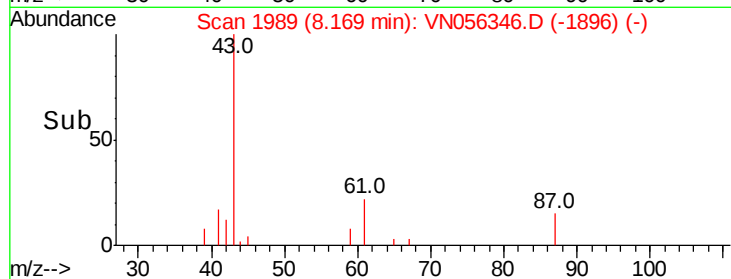
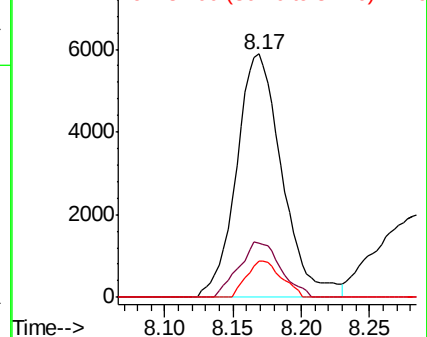
87 11.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.762 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056346.D

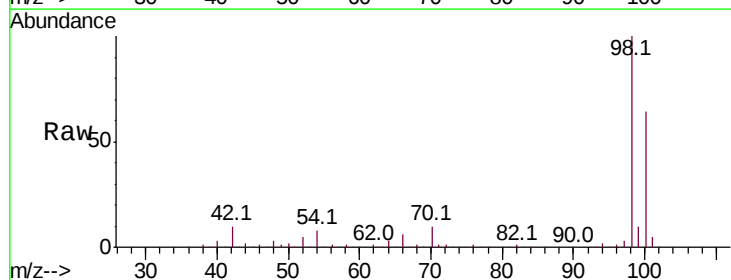
Acq: 17 Jun 2019 17:33

Tgt Ion: 98 Resp: 733327

Ion Ratio Lower Upper

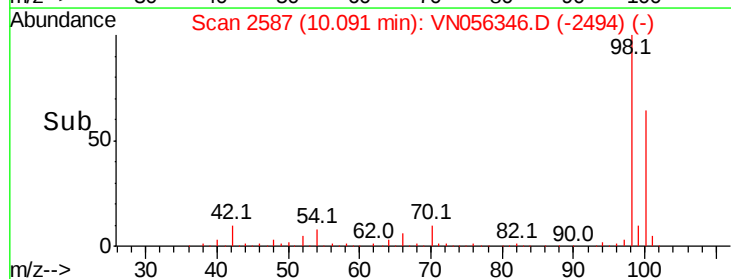
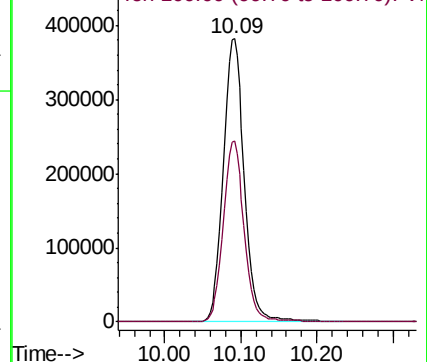
98 100

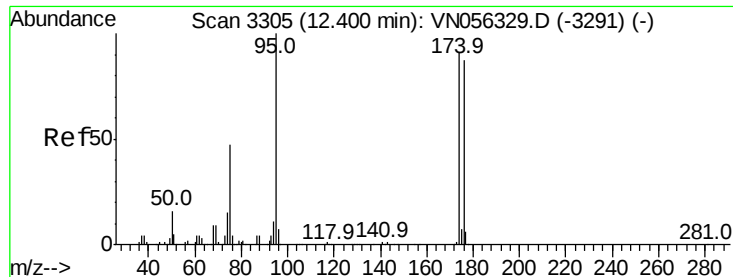
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.470 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

JC-02-061419-A

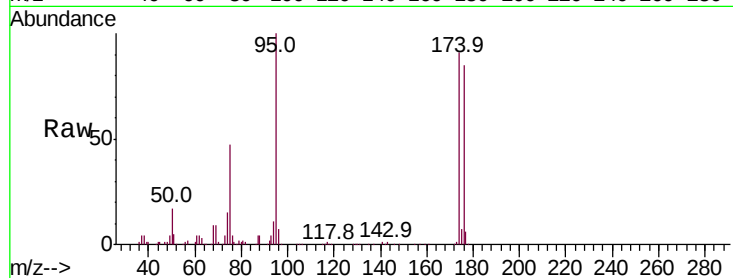
Tot Ion: 95 Resp: 241638

Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.6

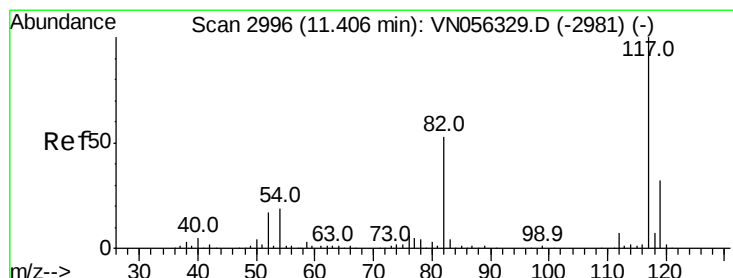
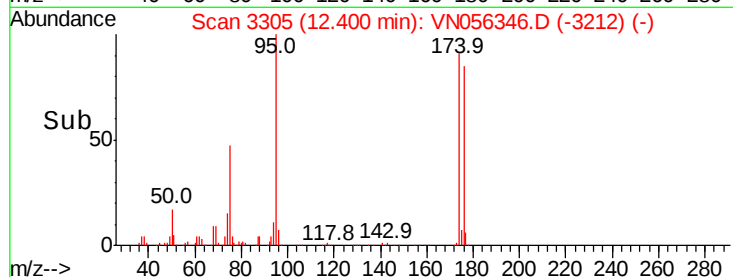
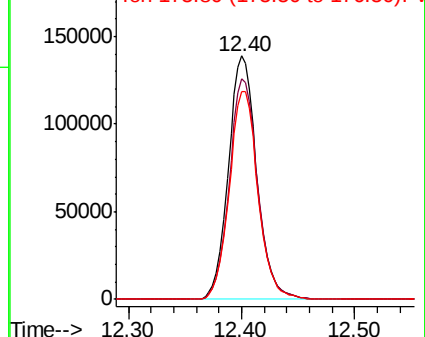
176 86.8 0.0 176.8



Abundance Ion 94.90 (94.60 to 95.60): VN056329.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056329.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056329.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

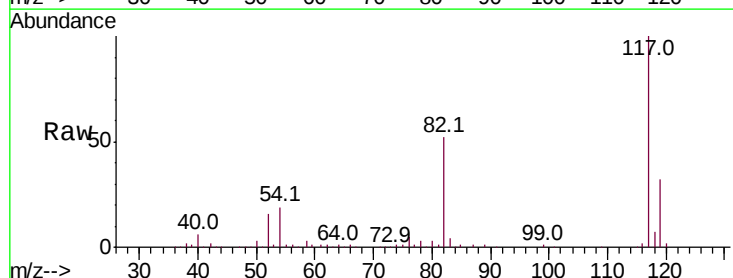
Tgt Ion: 117 Resp: 584074

Ion Ratio Lower Upper

117 100

82 51.9 42.4 63.6

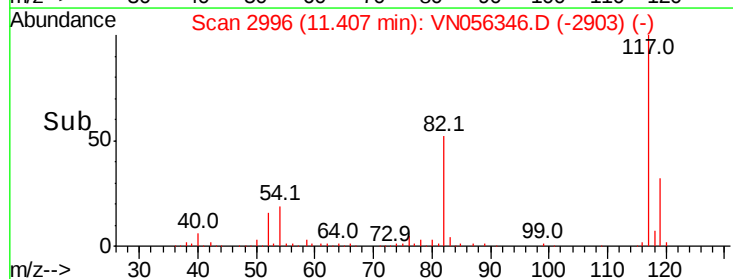
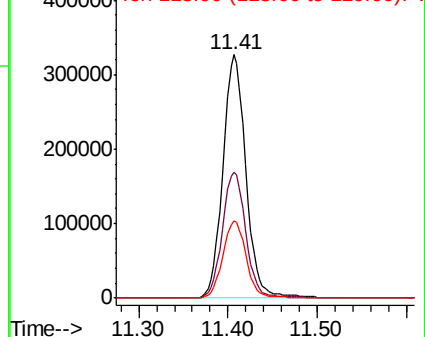
119 31.7 26.0 39.0

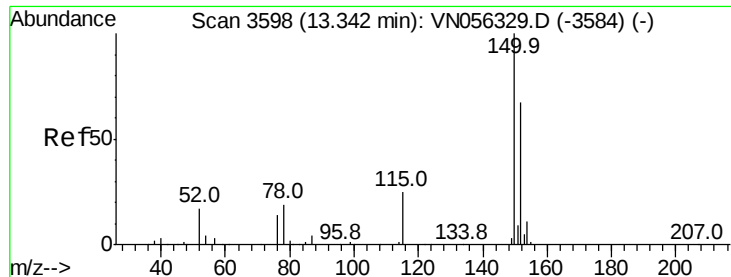


Abundance Ion 116.90 (116.60 to 117.60): VN056329.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056329.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056329.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

Instrument :

MSVOA\_N

ClientSampleId :

JC-02-061419-A

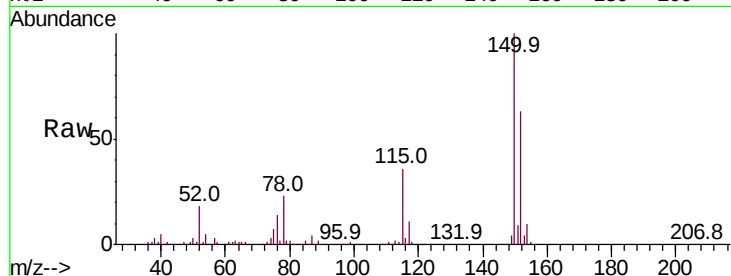
Tot Ion:152 Resp: 184922

Ion Ratio Lower Upper

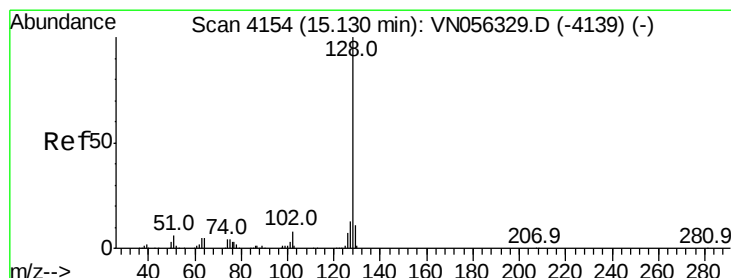
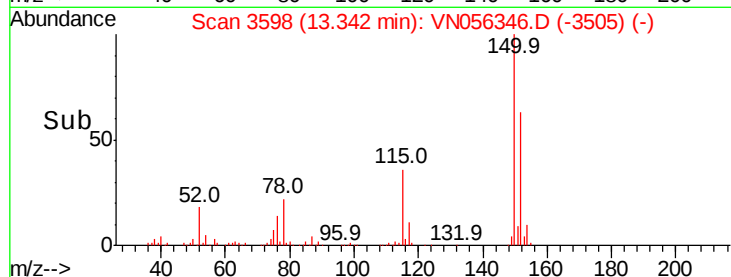
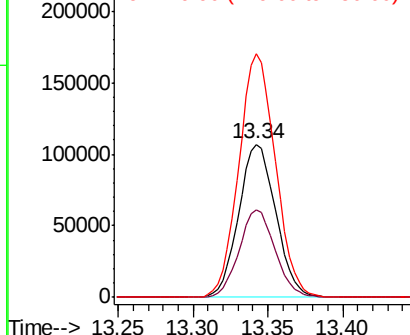
152 100

115 55.4 27.8 83.3

150 156.9 0.0 345.8



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



#95

Naphthalene

Concen: 5.700 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056346.D

Acq: 17 Jun 2019 17:33

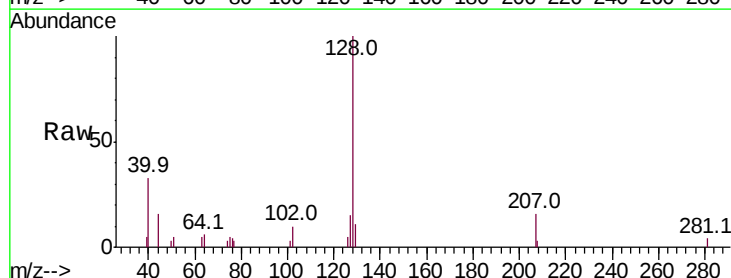
Tgt Ion:128 Resp: 9699

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 10.5 8.6 12.8



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

