

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\  
 Data File : VN056669.D  
 Acq On : 11 Jul 2019 16:55  
 Operator : JC/SP  
 Sample : PB121283TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121283TB

Quant Time: Jul 12 08:56:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

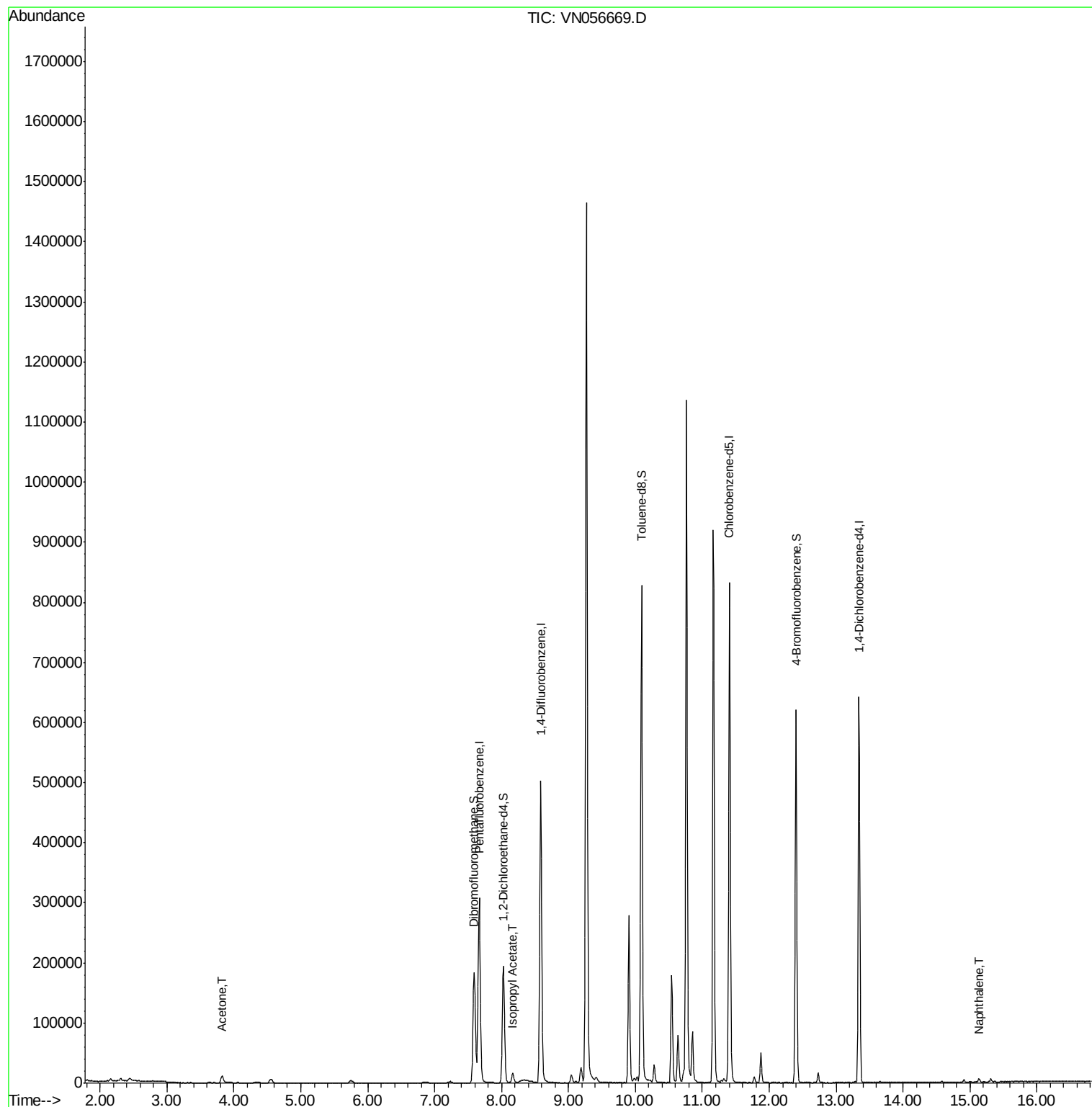
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 273642   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 480376   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 505113   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 191077   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 161695   | 53.32  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.64% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 145308   | 48.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 610593   | 52.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.72% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 220245   | 56.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.32% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 19688    | 12.957 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 20332    | 3.173  | ug/l #  | 90       |
| 95) Naphthalene             | 15.13 | 128  | 5742     | 5.833  | ug/l #  | 87       |

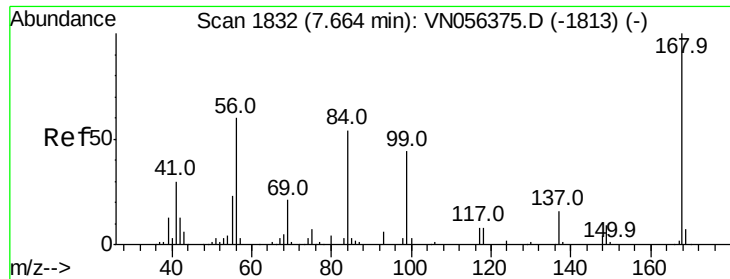
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\  
Data File : VN056669.D  
Acq On : 11 Jul 2019 16:55  
Operator : JC/SP  
Sample : PB121283TB  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB121283TB

Quant Time: Jul 12 08:56:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 03:45:40 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: VN056669.D

Acq: 11 Jul 2019 16:55

Instrument :

MSVOA\_N

ClientSampled :

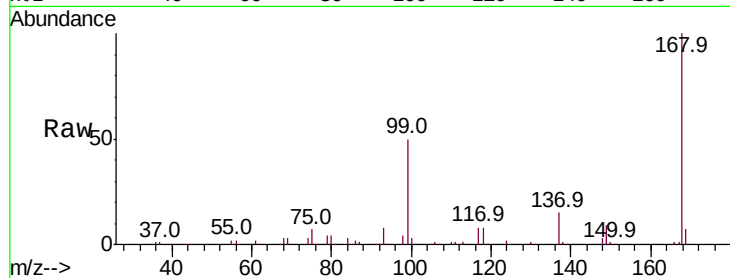
PB121283TB

Tot Ion:168 Resp: 273642

Ion Ratio Lower Upper

168 100

99 49.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

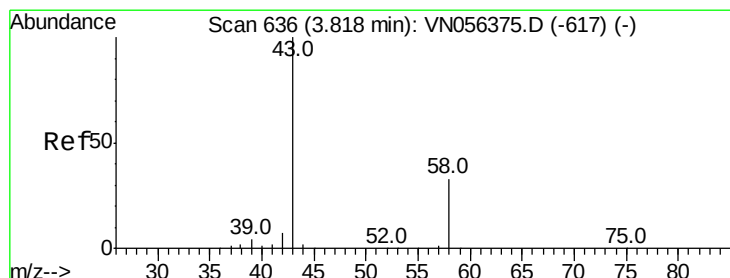
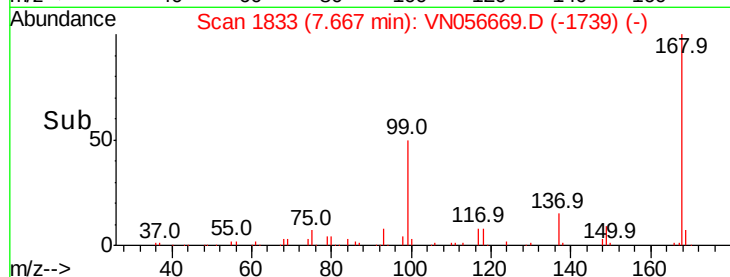
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 12.957 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056669.D

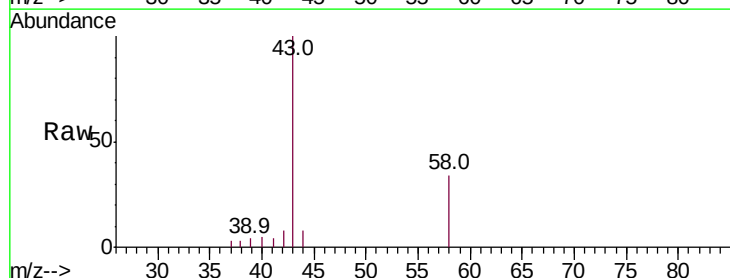
Acq: 11 Jul 2019 16:55

Tgt Ion: 43 Resp: 19688

Ion Ratio Lower Upper

43 100

58 33.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

6000

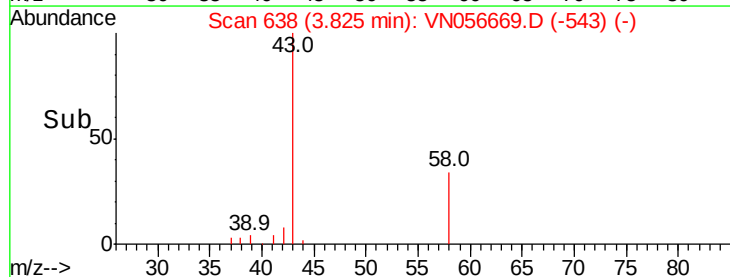
4000

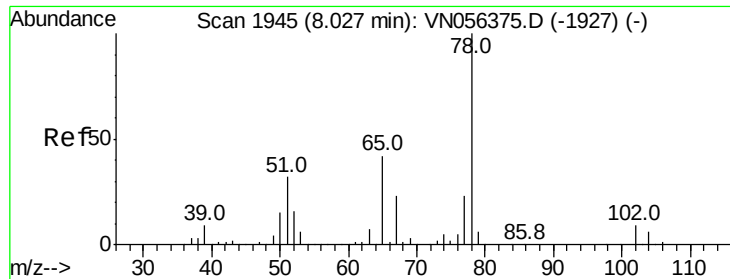
2000

0

Time-->

3.75 3.80 3.85 3.90

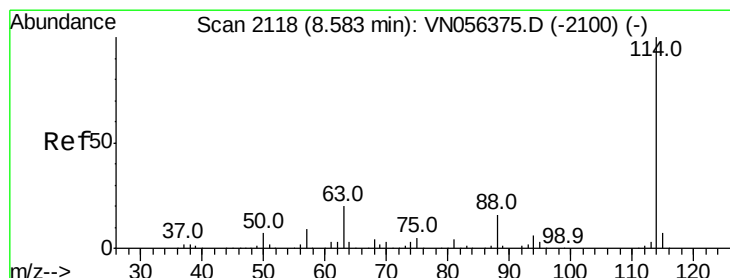
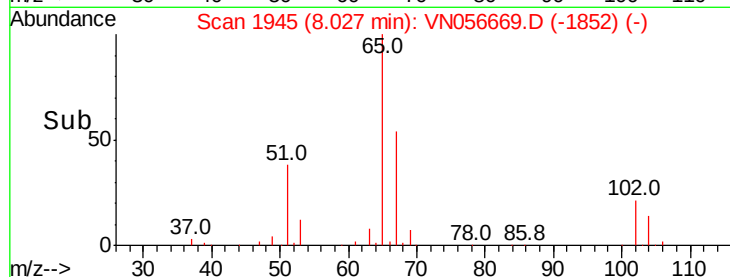
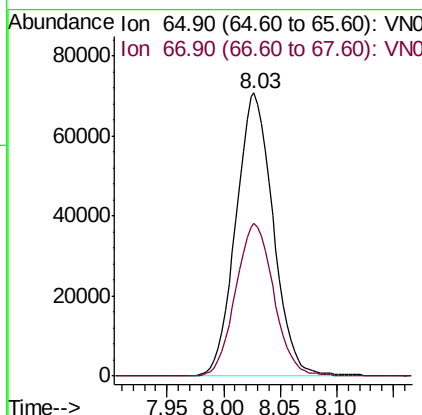
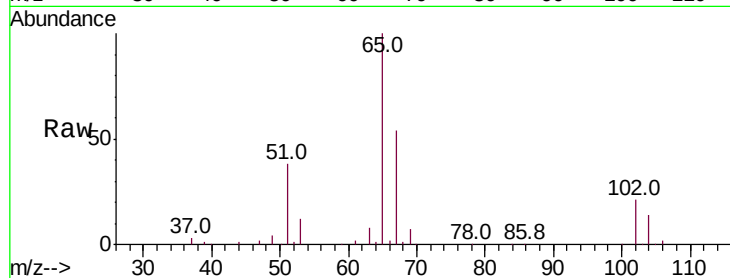




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.315 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN056669.D  
 Acq: 11 Jul 2019 16:55

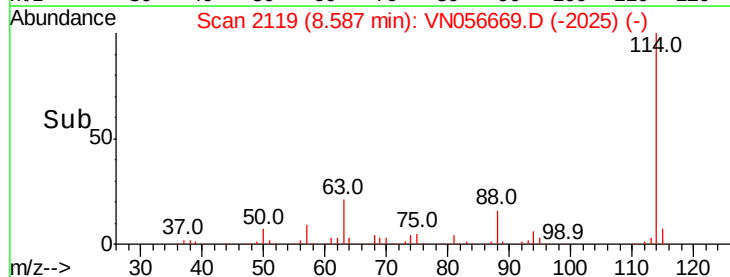
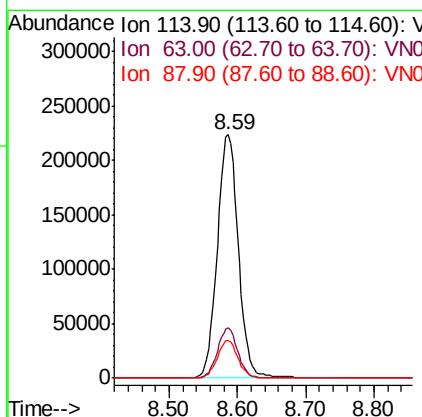
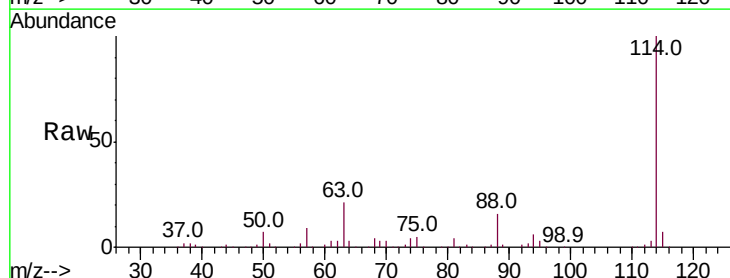
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121283TB

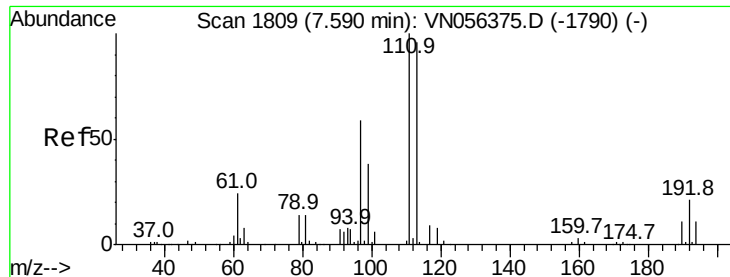
Tot Ion: 65 Resp: 161695  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056669.D  
 Acq: 11 Jul 2019 16:55

Tgt Ion: 114 Resp: 480376  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 39.2  
 88 15.5 0.0 31.4

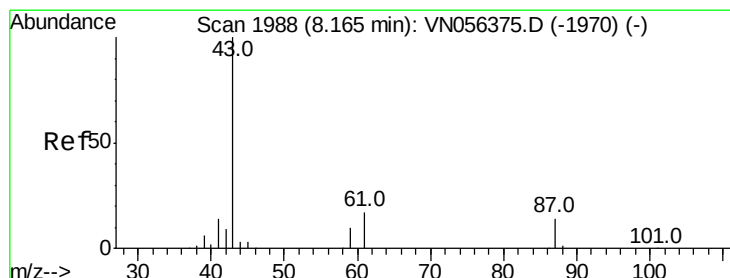
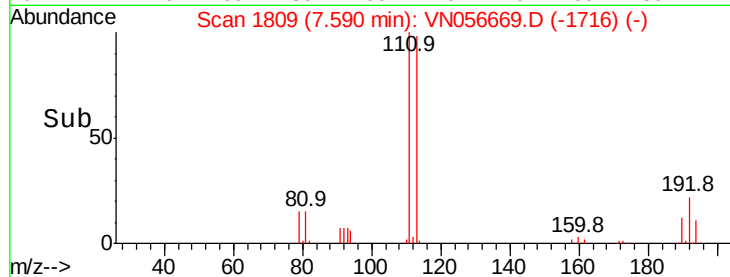
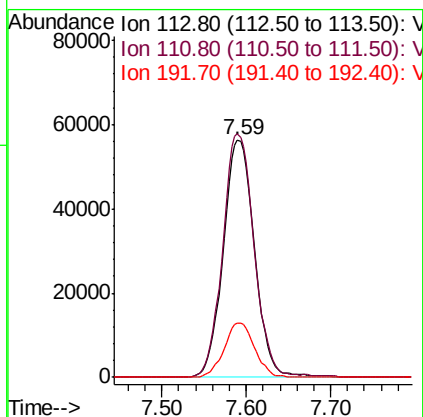
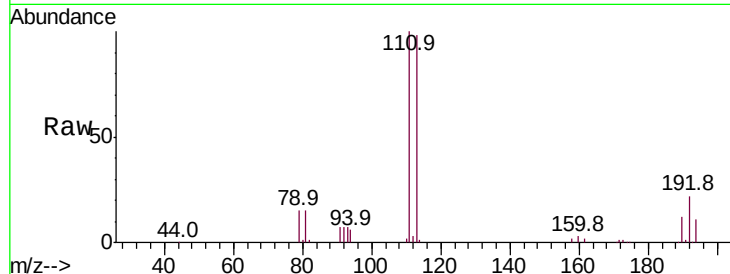




#35  
 Dibromofluoromethane  
 Concen: 48.488 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN056669.D  
 Acq: 11 Jul 2019 16:55

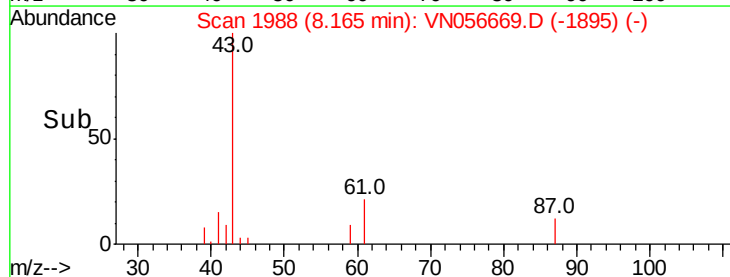
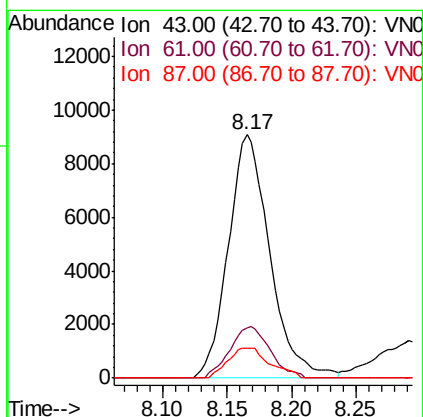
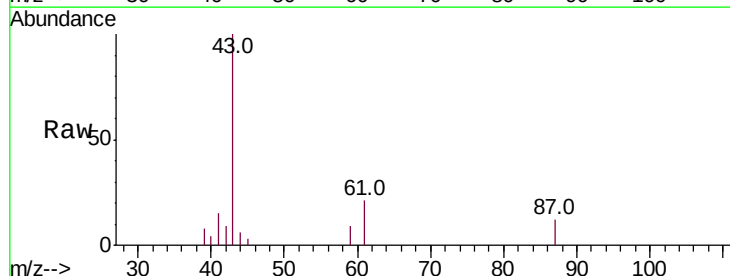
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121283TB

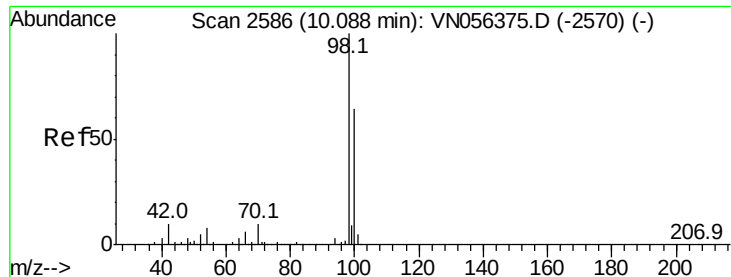
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.9  | 124.3 |
| 192     | 22.3  | 17.7  | 26.5  |



#43  
 Isopropyl Acetate  
 Concen: 3.173 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VN056669.D  
 Acq: 11 Jul 2019 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.5  | 22.0  | 33.0# |
| 87      | 12.5  | 11.0  | 16.4  |





#50

Toluene-d8

Concen: 52.364 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056669.D

Acq: 11 Jul 2019 16:55

Instrument :

MSVOA\_N

ClientSampleId :

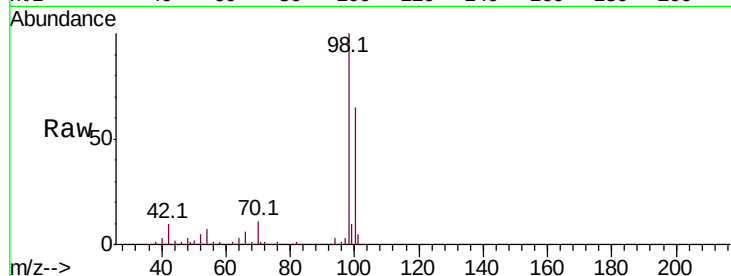
PB121283TB

Tot Ion: 98 Resp: 610593

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

300000

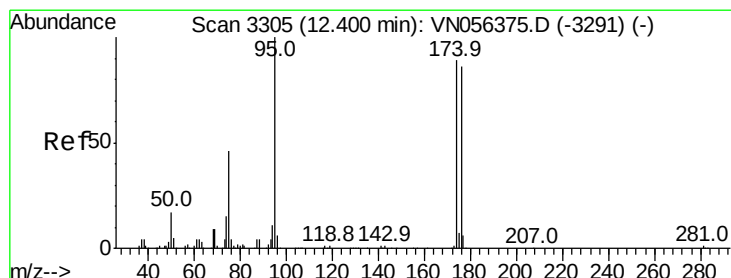
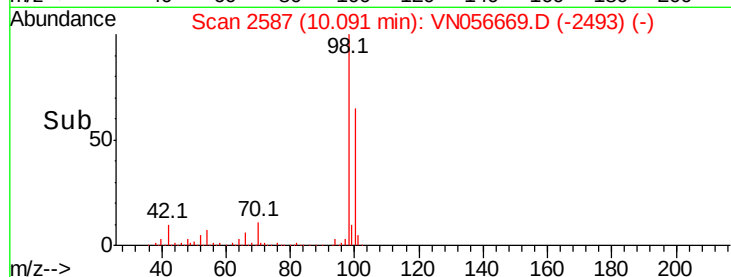
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 56.660 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056669.D

Acq: 11 Jul 2019 16:55

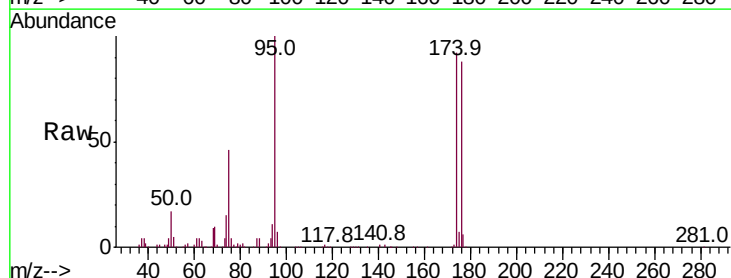
Tgt Ion: 95 Resp: 220245

Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.4

176 87.4 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

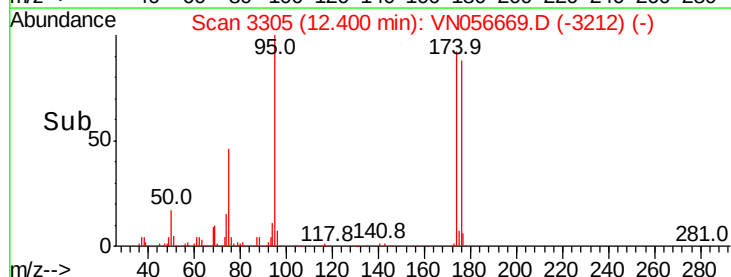
100000

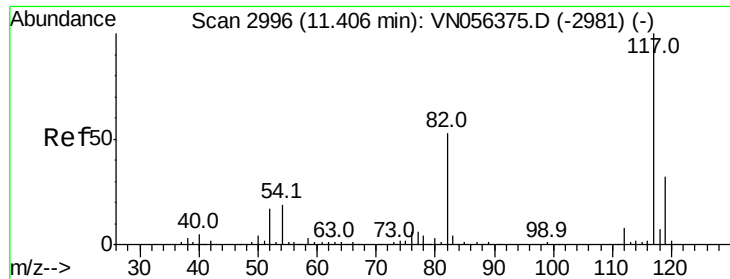
50000

0

Time-->

12.30 12.40 12.50

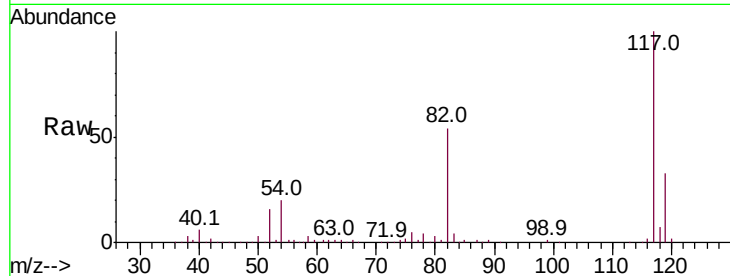




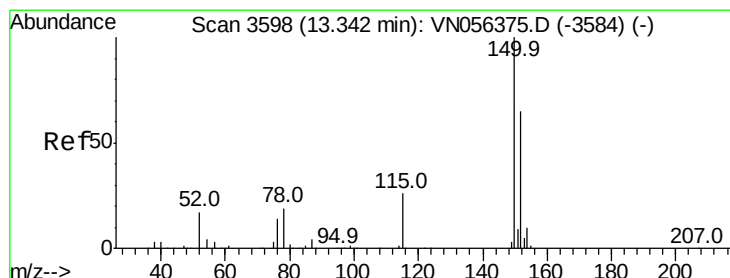
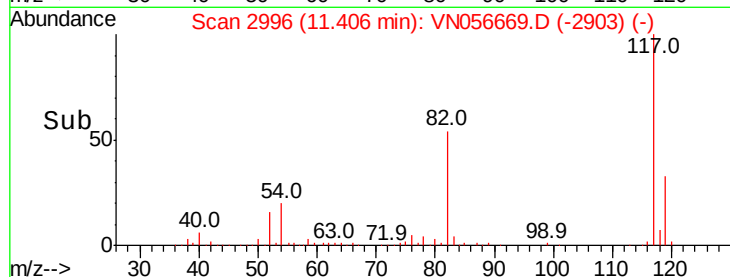
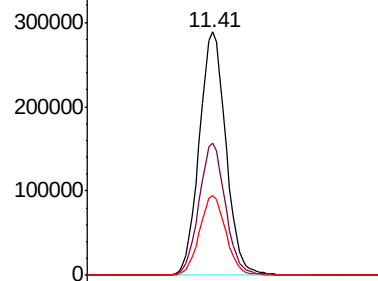
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056669.D  
Acq: 11 Jul 2019 16:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB121283TB

Tot Ion:117 Resp: 505113  
Ion Ratio Lower Upper  
117 100  
82 54.1 42.0 63.0  
119 33.0 25.3 37.9

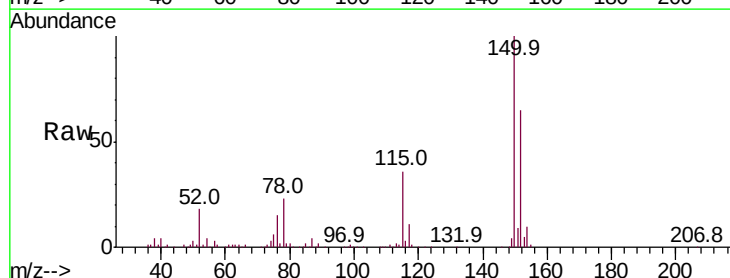


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

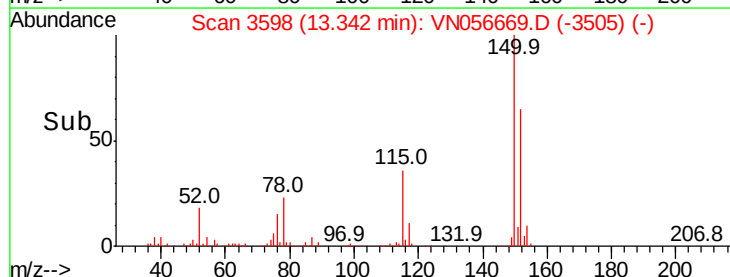
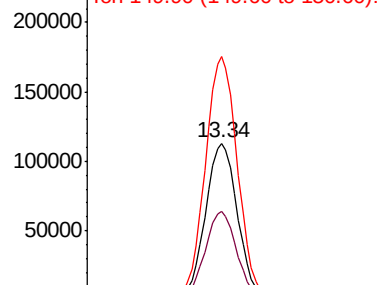


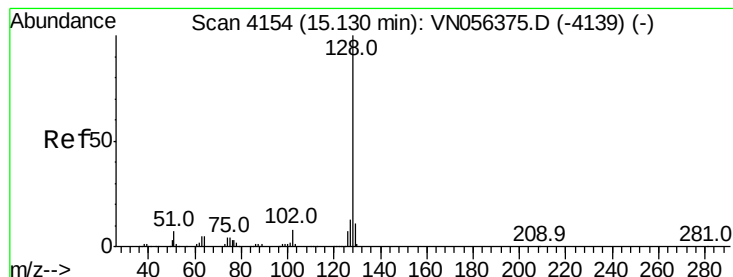
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056669.D  
Acq: 11 Jul 2019 16:55

Tgt Ion:152 Resp: 191077  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.1 84.4  
150 156.1 0.0 348.4



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: 5.833 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056669.D

Acq: 11 Jul 2019 16:55

Instrument :

MSVOA\_N

ClientSampleId :

PB121283TB

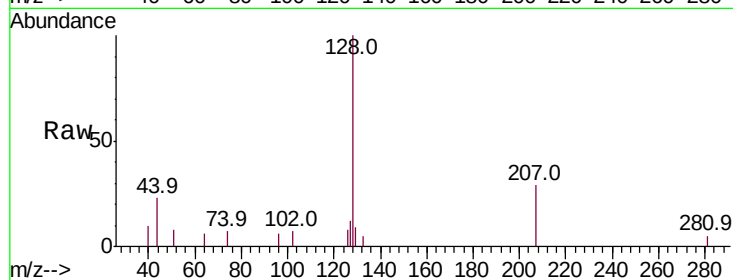
Tot Ion:128 Resp: 5742

Ion Ratio Lower Upper

128 100

127 7.2 10.2 15.2#

129 6.6 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

