

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\  
 Data File : VN056829.D  
 Acq On : 19 Jul 2019 14:08  
 Operator : JC/SP  
 Sample : PB121463ZHE#14  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#14

Quant Time: Jul 19 23:45:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

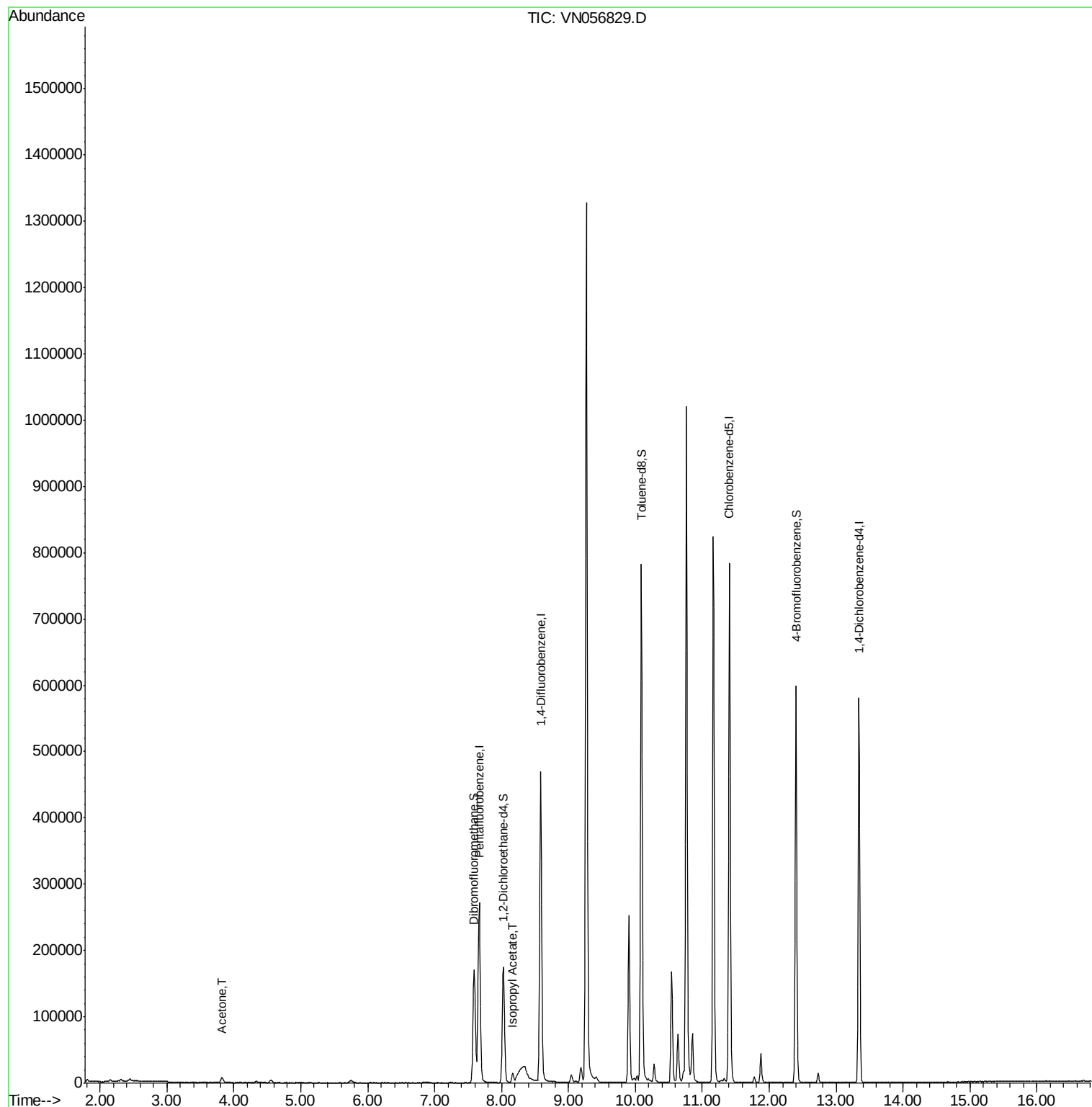
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 248298   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 450098   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 494158   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 175261   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 146760   | 53.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 135613   | 48.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.84%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 577716   | 53.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 211411   | 57.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.90% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 12954    | 10.235 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 17804    | 2.759  | ug/l #  | 91       |

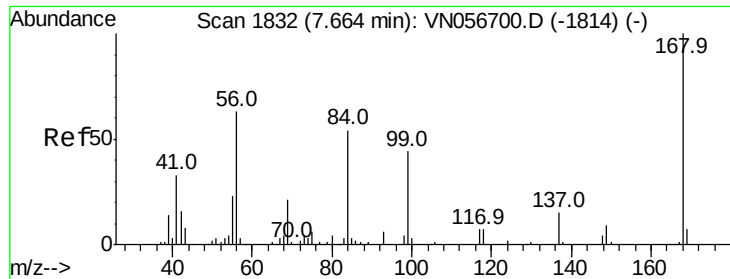
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 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: VN056829.D

Acq: 19 Jul 2019 14:08

Instrument :

MSVOA\_N

ClientSampleId :

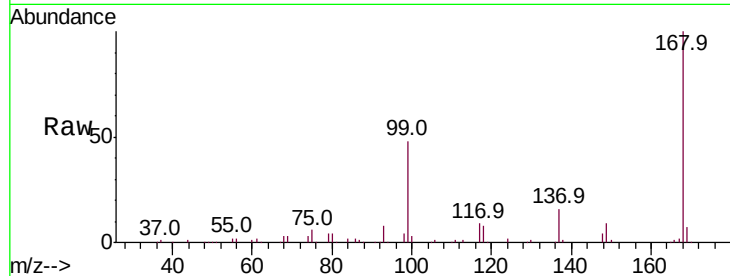
PB121463ZHE#14

Tot Ion:168 Resp: 248298

Ion Ratio Lower Upper

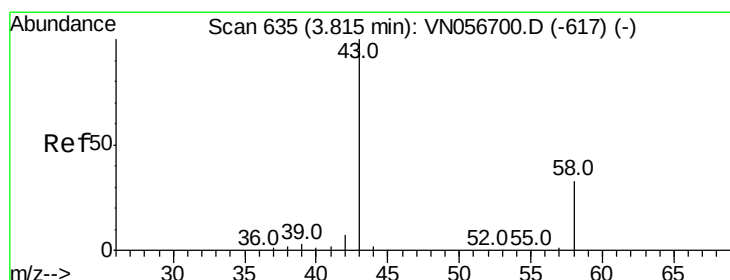
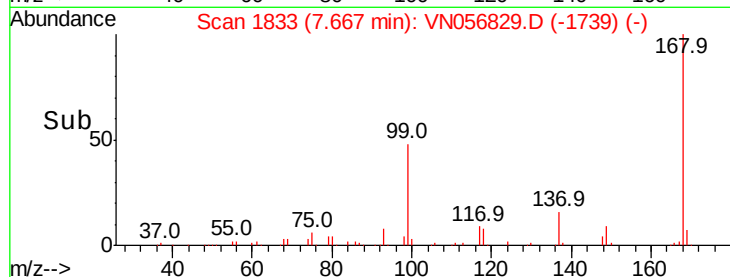
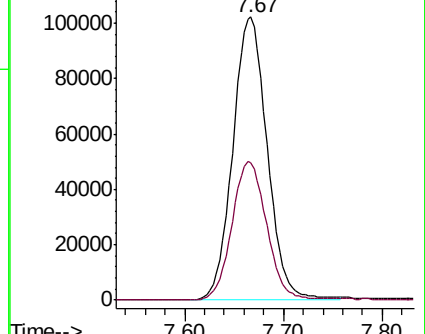
168 100

99 48.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056829.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056829.D (-1739) (-)



#16

Acetone

Concen: 10.235 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056829.D

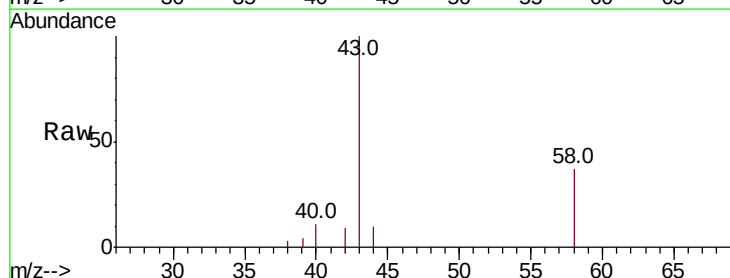
Acq: 19 Jul 2019 14:08

Tgt Ion: 43 Resp: 12954

Ion Ratio Lower Upper

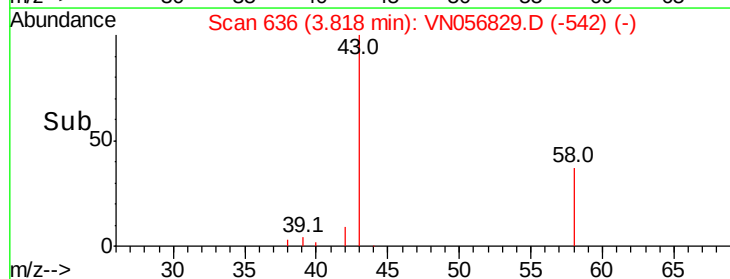
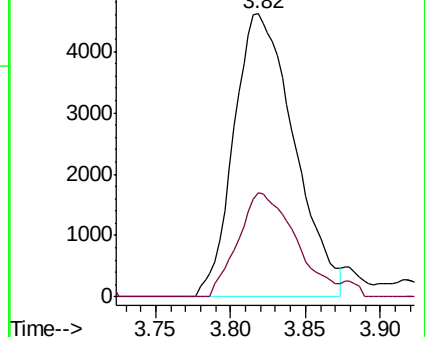
43 100

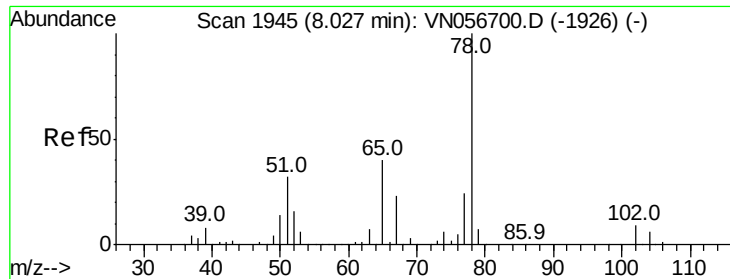
58 36.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056829.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056829.D (-542) (-)

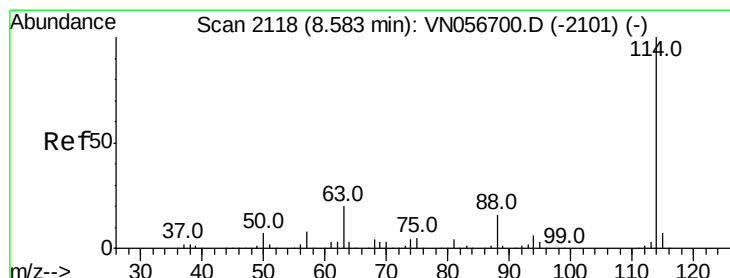
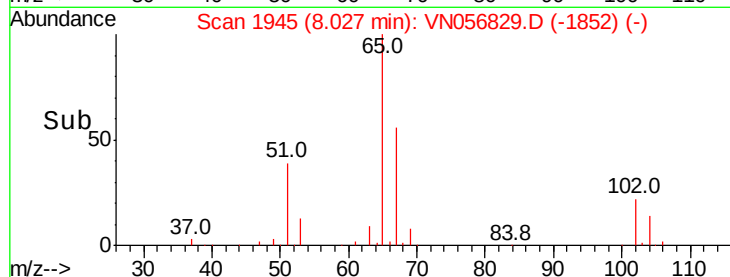
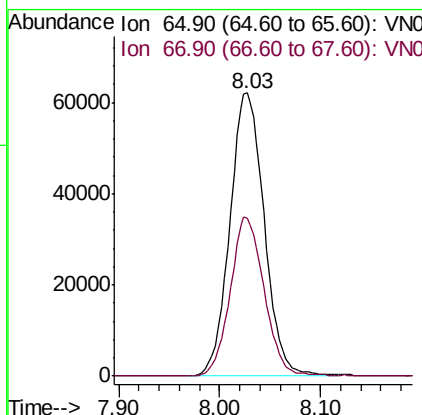
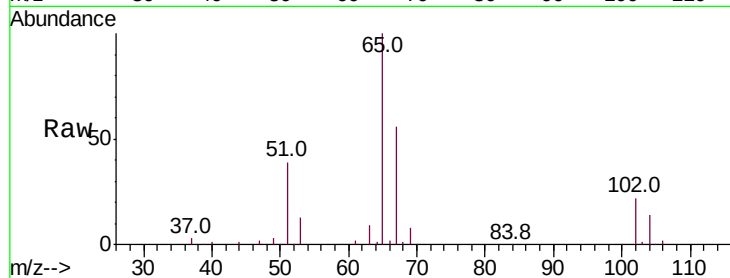




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.435 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

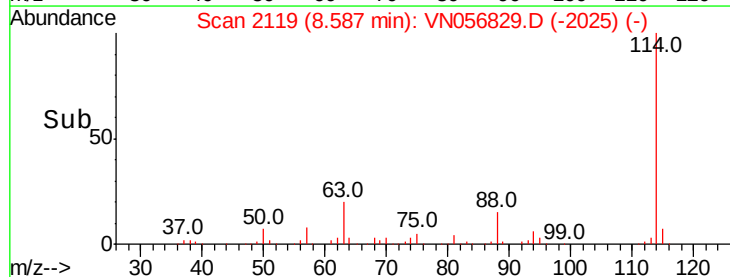
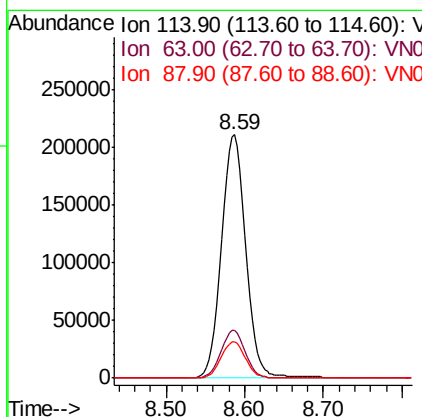
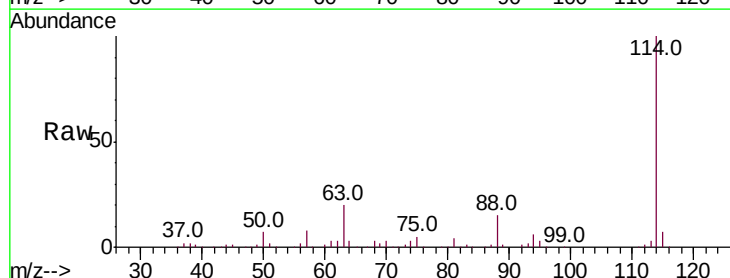
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#14

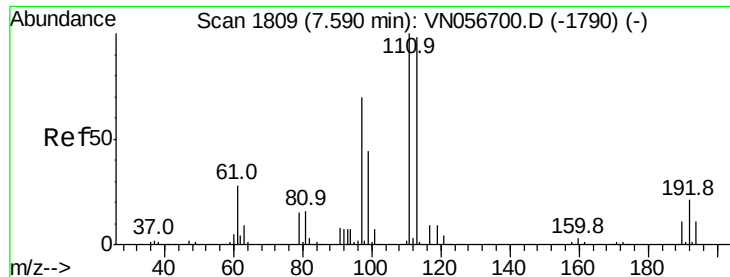
Tot Ion: 65 Resp: 146760  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

Tgt Ion: 114 Resp: 450098  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.4  
 88 15.1 0.0 31.2

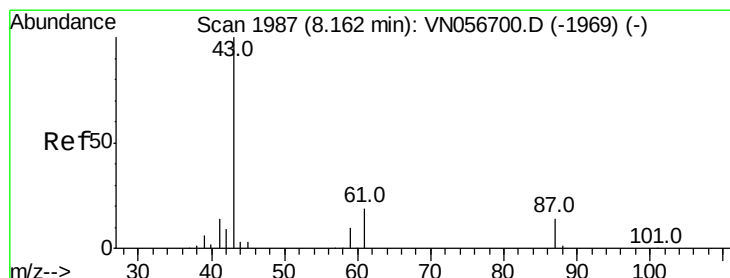
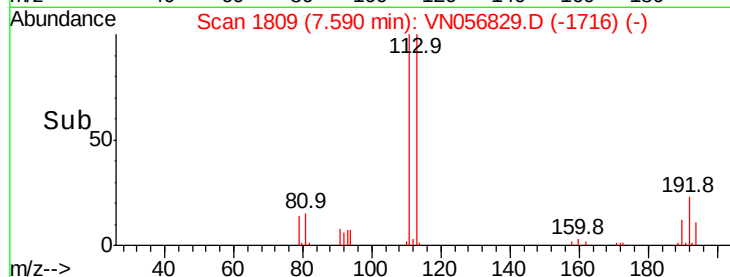
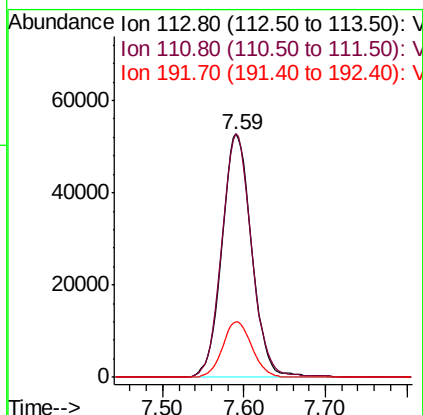
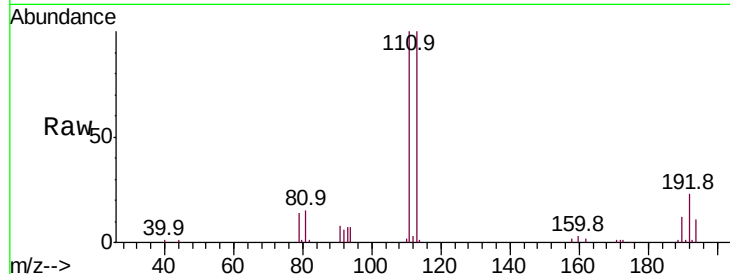




#35  
 Dibromofluoromethane  
 Concen: 48.415 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

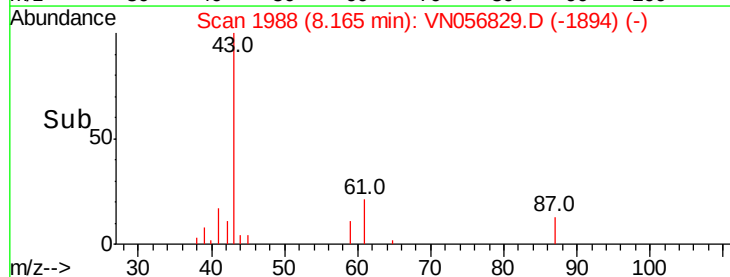
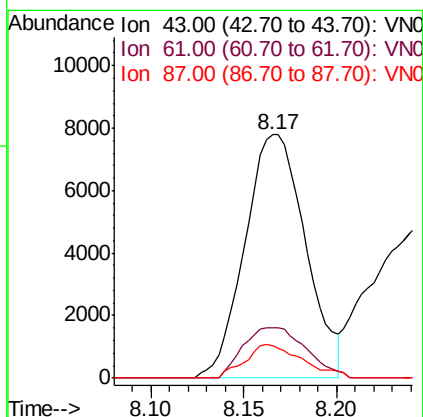
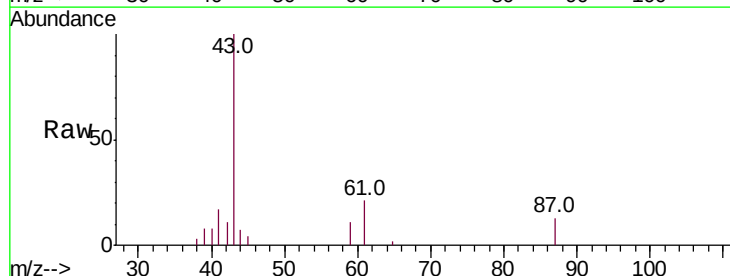
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#14

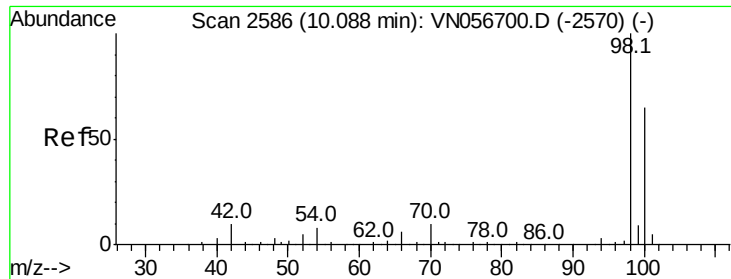
Tot Ion:113 Resp: 135613  
 Ion Ratio Lower Upper  
 113 100  
 111 100.4 81.8 122.6  
 192 22.5 17.5 26.3



#43  
 Isopropyl Acetate  
 Concen: 2.759 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

Tgt Ion: 43 Resp: 17804  
 Ion Ratio Lower Upper  
 43 100  
 61 21.6 22.3 33.5#  
 87 13.0 11.1 16.7





#50

Toluene-d8

Concen: 53.402 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056829.D

Acq: 19 Jul 2019 14:08

Instrument :

MSVOA\_N

ClientSampleId :

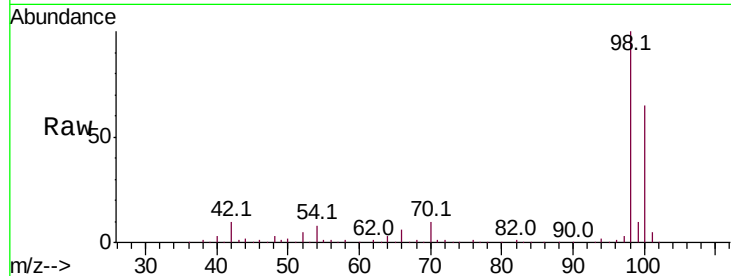
PB121463ZHE#14

Tot Ion: 98 Resp: 577716

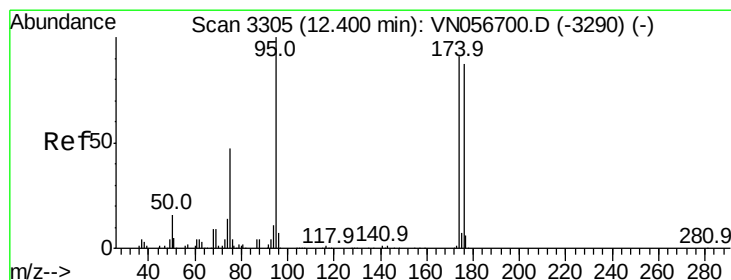
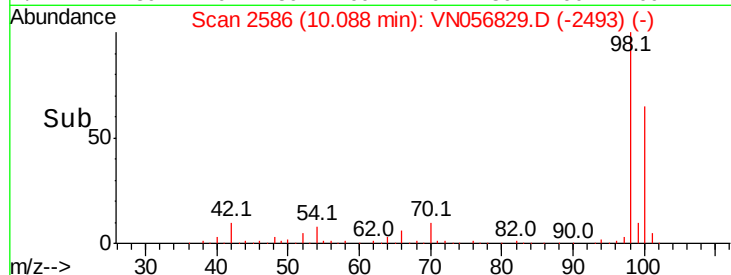
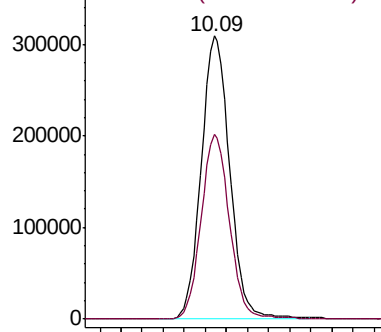
Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 57.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056829.D

Acq: 19 Jul 2019 14:08

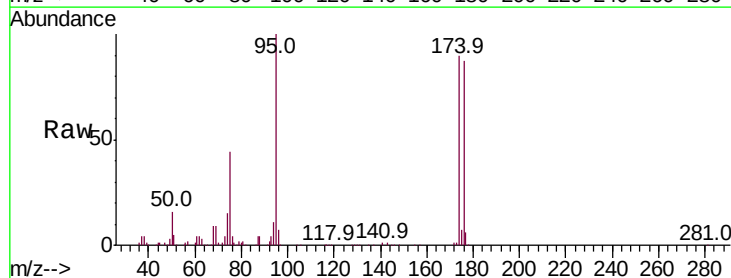
Tgt Ion: 95 Resp: 211411

Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.0

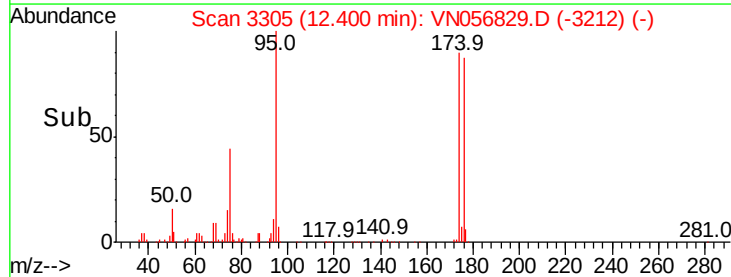
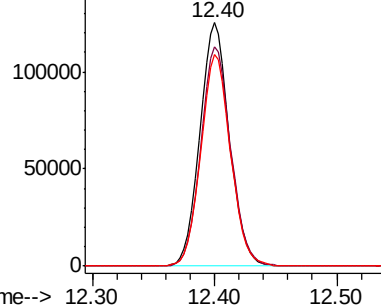
176 87.5 0.0 173.2

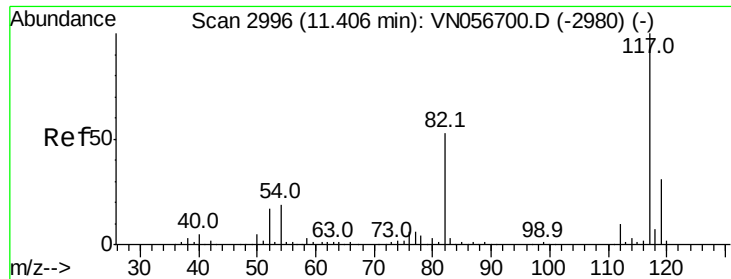


Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056700.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056700.D (-3290) (-)

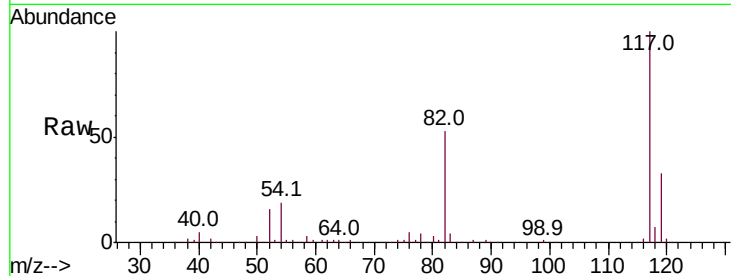




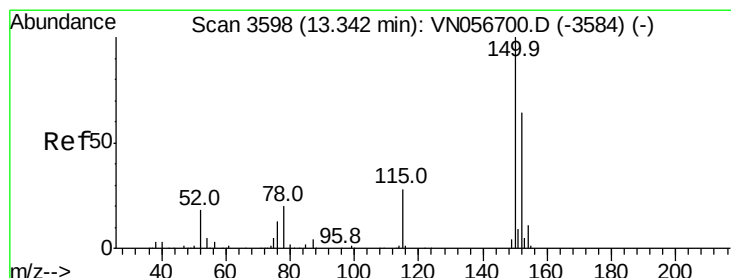
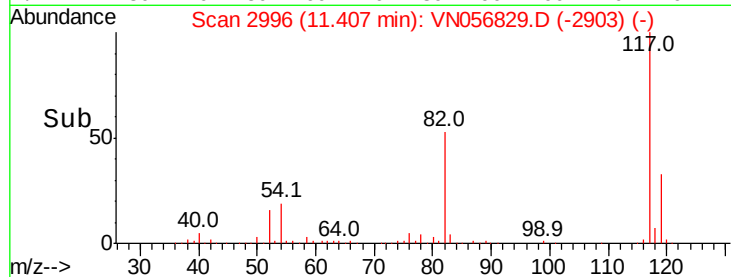
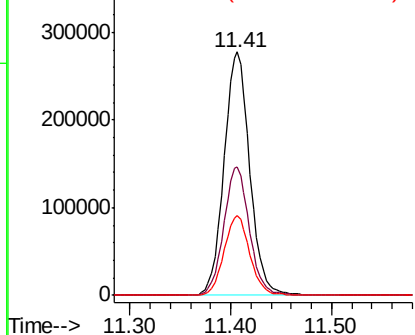
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#14

Tot Ion:117 Resp: 494158  
 Ion Ratio Lower Upper  
 117 100  
 82 52.8 42.2 63.2  
 119 32.6 25.2 37.8

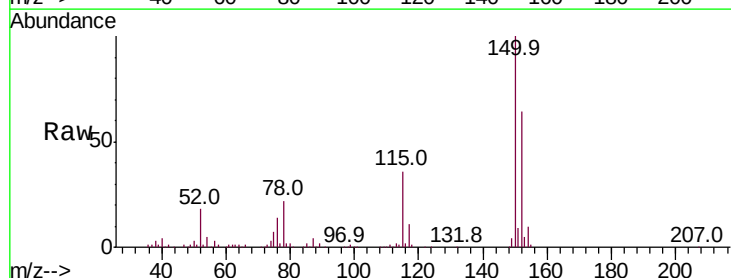


Abundance Ion 116.90 (116.60 to 117.60): V  
 Ion 82.00 (81.70 to 82.70): V  
 Ion 118.90 (118.60 to 119.60): V



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.34 min Scan# 3598  
 Delta R.T. 0.00 min  
 Lab File: VN056829.D  
 Acq: 19 Jul 2019 14:08

Tgt Ion:152 Resp: 175261  
 Ion Ratio Lower Upper  
 152 100  
 115 55.3 28.2 84.7  
 150 155.3 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

