

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
 Data File : VN056734.D  
 Acq On : 16 Jul 2019 00:34  
 Operator : JC/SP  
 Sample : PB121354ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121354ZHE#04

Quant Time: Jul 16 05:44:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 01:25:25 2019  
 Response via : Initial Calibration

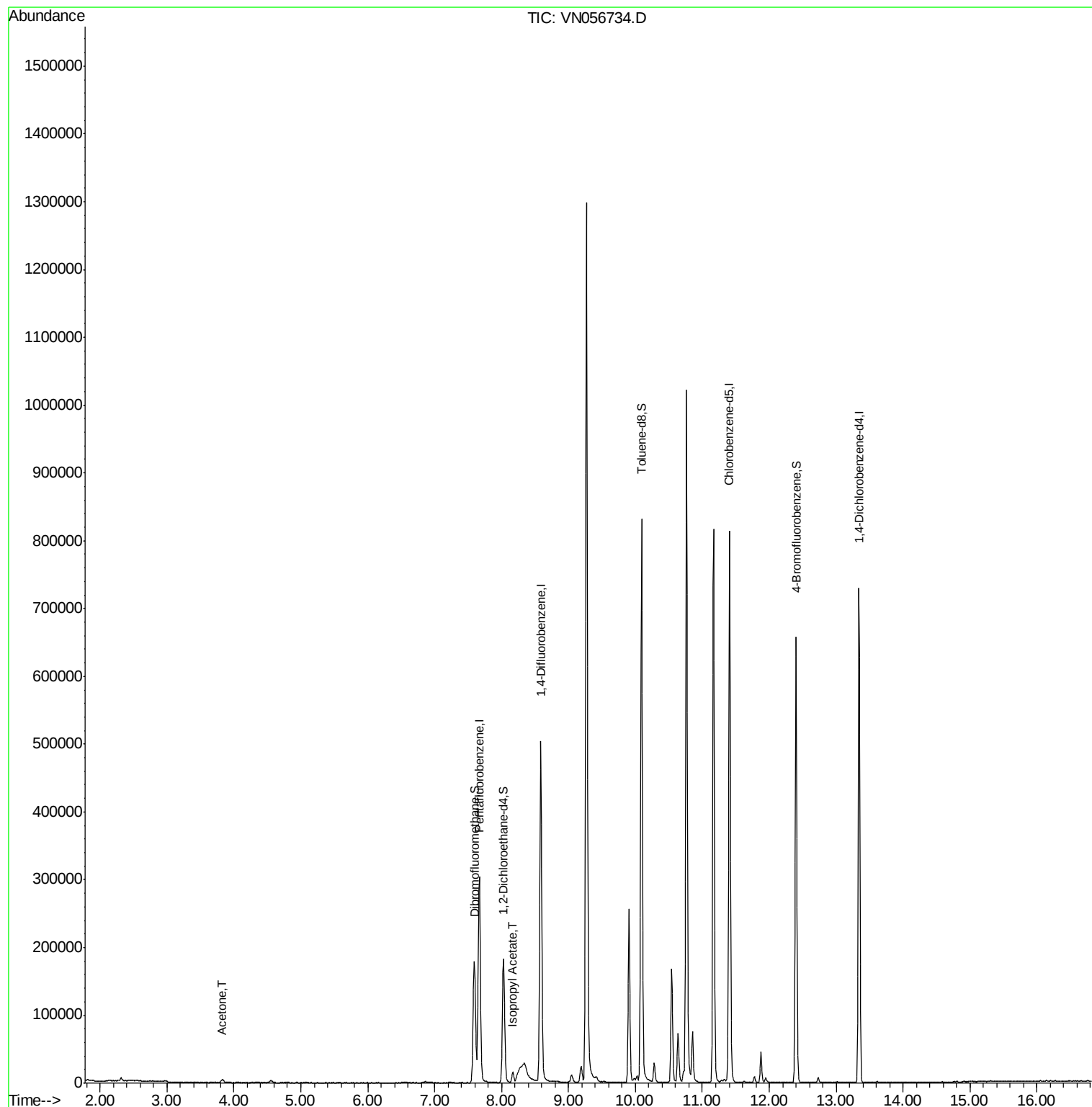
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 271640   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 481536   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 514567   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 218962   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 156338   | 52.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 142613   | 47.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.18%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 610616   | 52.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.52% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 233782   | 59.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.80% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.83  | 43   | 8237     | 5.949 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 17971    | 2.603 | ug/l #  | 92       |

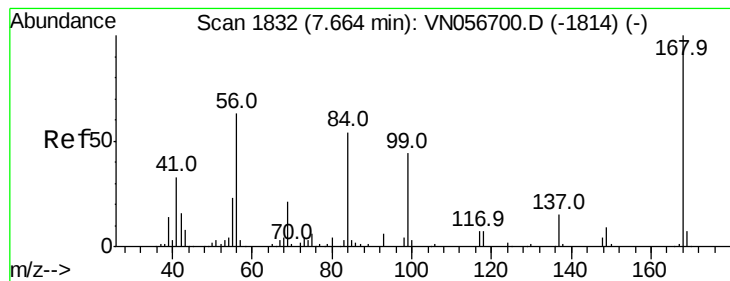
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
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Quant Title : SW846 8260  
QLast Update : Tue Jul 16 01:25:25 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: VN056734.D

Acq: 16 Jul 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

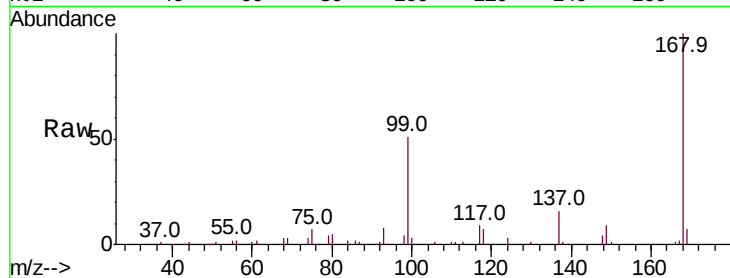
PB121354ZHE#04

Tot Ion:168 Resp: 271640

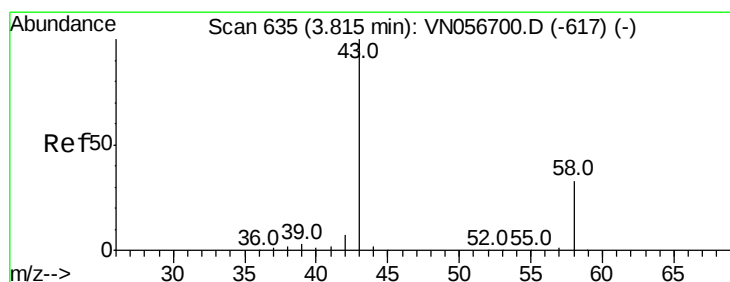
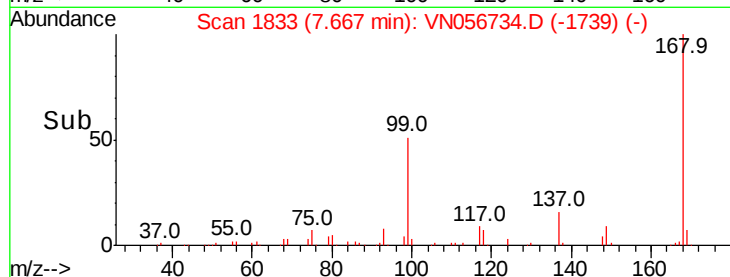
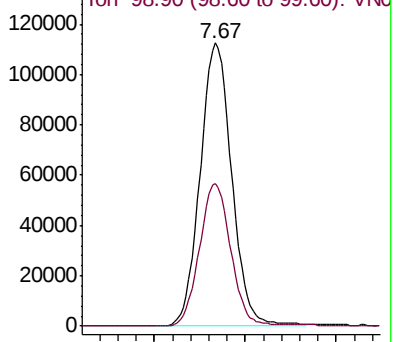
Ion Ratio Lower Upper

168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056734.D (-1739) (-)



#16

Acetone

Concen: 5.949 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056734.D

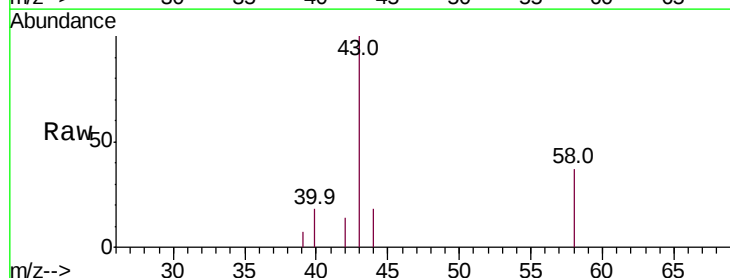
Acq: 16 Jul 2019 00:34

Tgt Ion: 43 Resp: 8237

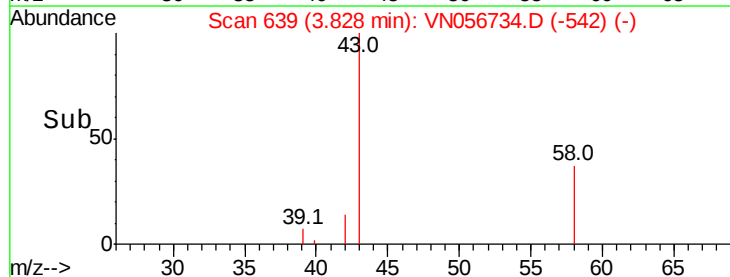
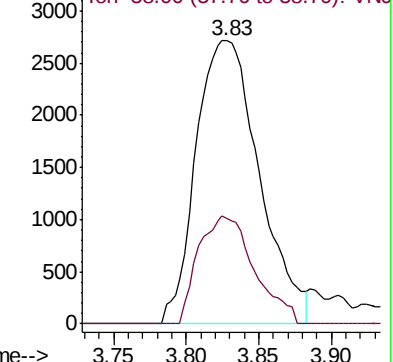
Ion Ratio Lower Upper

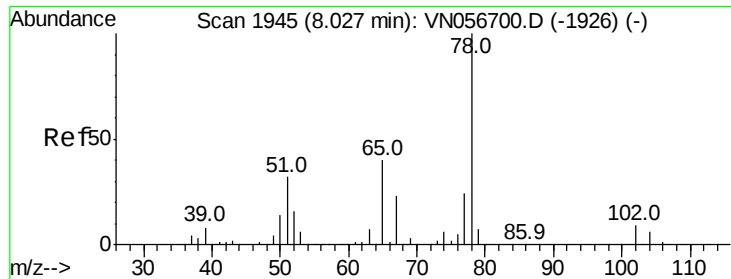
43 100

58 37.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056734.D (-542) (-)

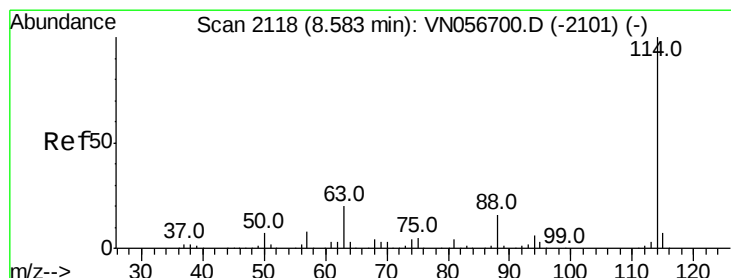
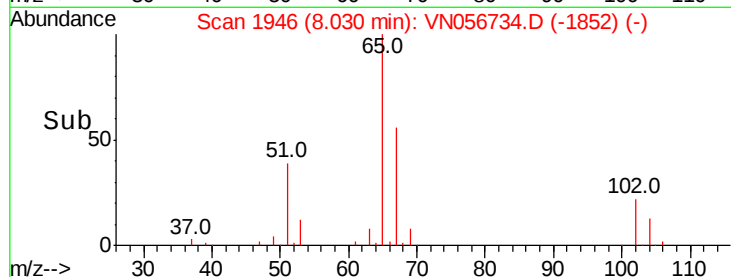
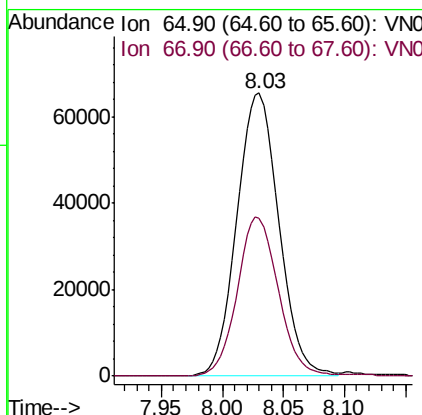
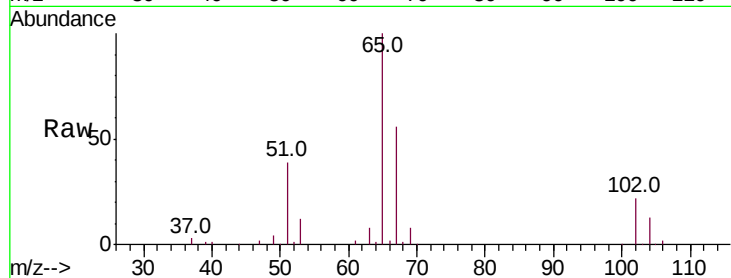




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.031 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN056734.D  
 Acq: 16 Jul 2019 00:34

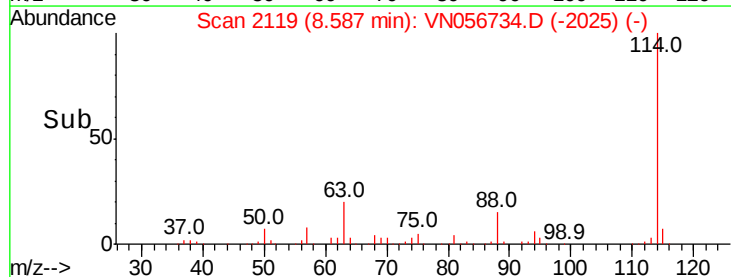
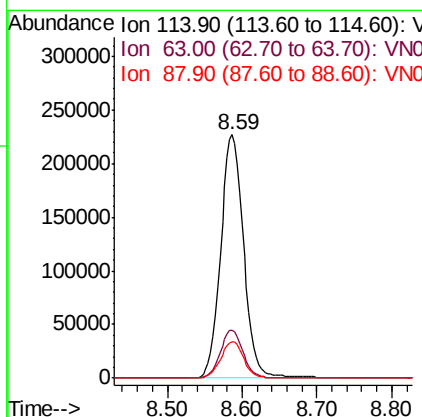
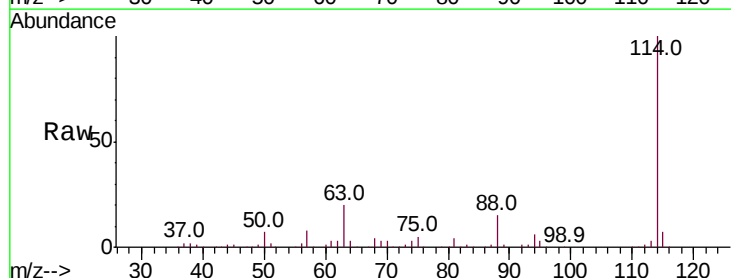
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121354ZHE#04

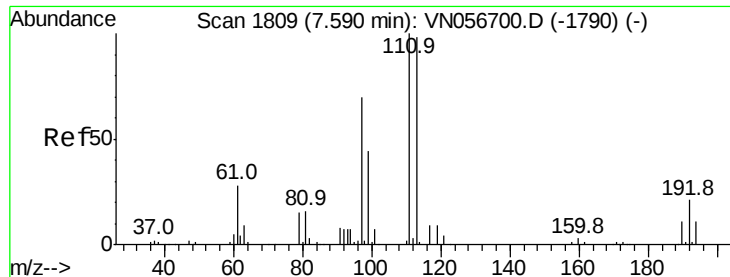
Tot Ion: 65 Resp: 156338  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056734.D  
 Acq: 16 Jul 2019 00:34

Tgt Ion: 114 Resp: 481536  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.4  
 88 15.0 0.0 31.2

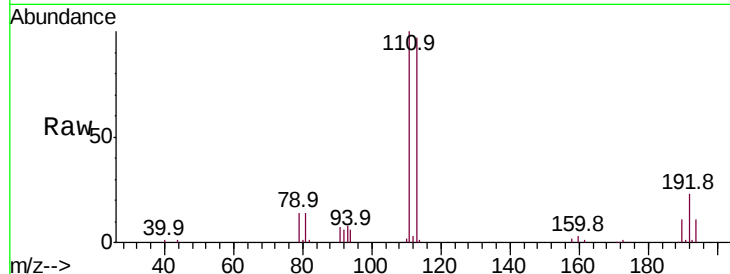




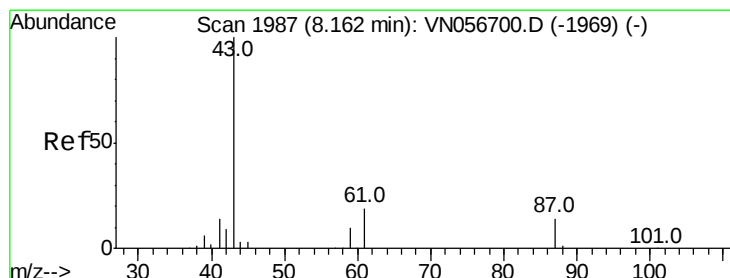
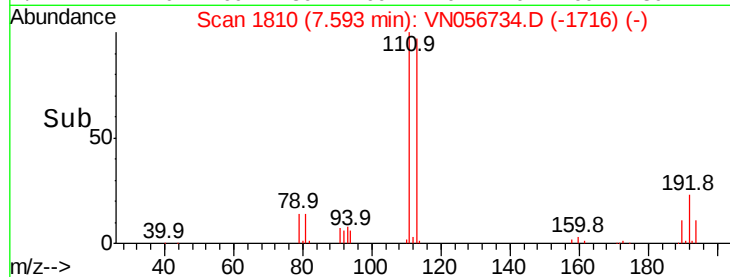
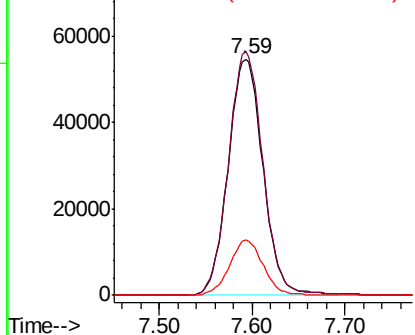
#35  
 Dibromofluoromethane  
 Concen: 47.590 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN056734.D  
 Acq: 16 Jul 2019 00:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121354ZHE#04

Tot Ion:113 Resp: 142613  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 81.8 122.6  
 192 22.5 17.5 26.3

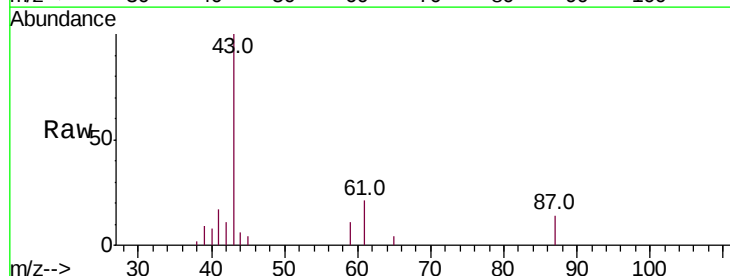


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

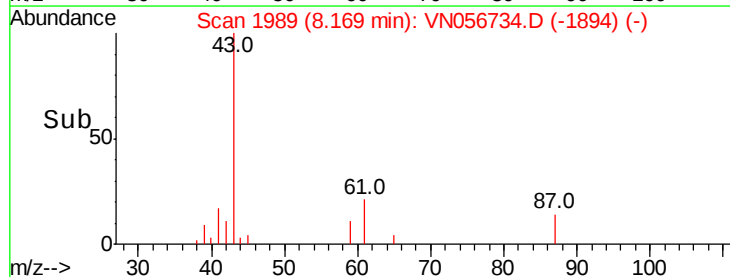
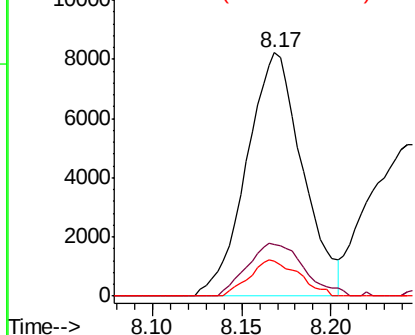


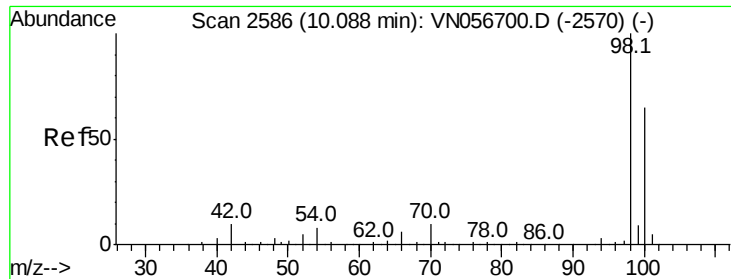
#43  
 Isopropyl Acetate  
 Concen: 2.603 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.01 min  
 Lab File: VN056734.D  
 Acq: 16 Jul 2019 00:34

Tgt Ion: 43 Resp: 17971  
 Ion Ratio Lower Upper  
 43 100  
 61 21.9 22.3 33.5#  
 87 13.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): V  
 Ion 61.00 (60.70 to 61.70): V  
 Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.758 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056734.D

Acq: 16 Jul 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

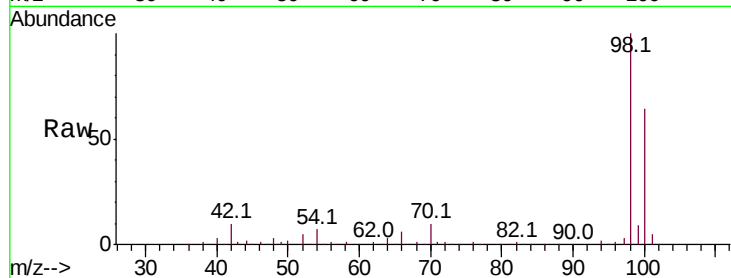
PB121354ZHE#04

Tot Ion: 98 Resp: 610616

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



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

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

10.09

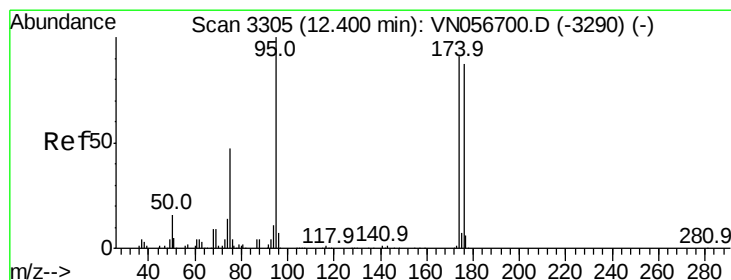
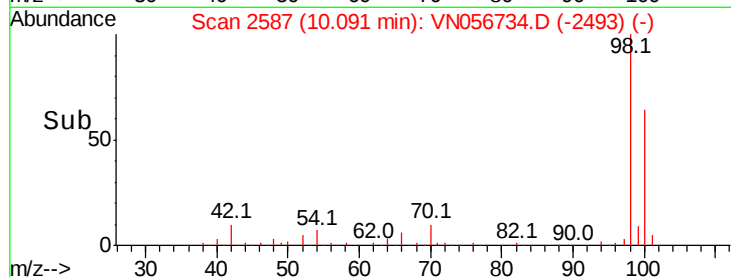
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 59.896 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056734.D

Acq: 16 Jul 2019 00:34

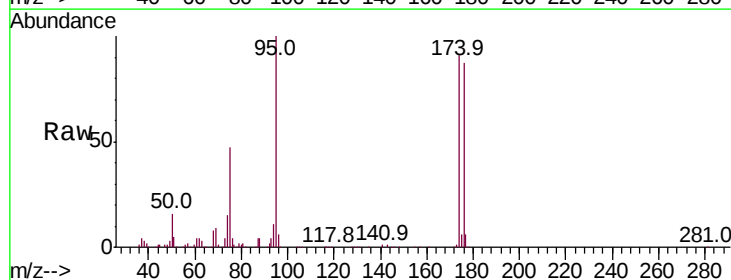
Tgt Ion: 95 Resp: 233782

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

176 87.1 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) (-)

12.40

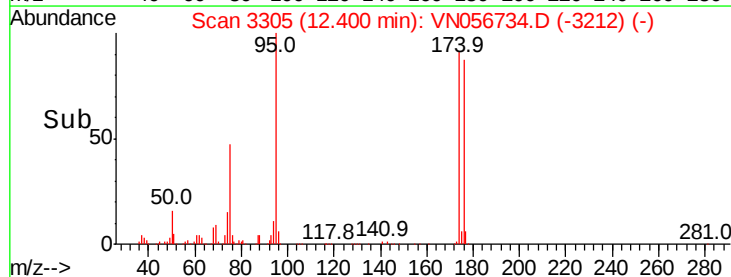
150000

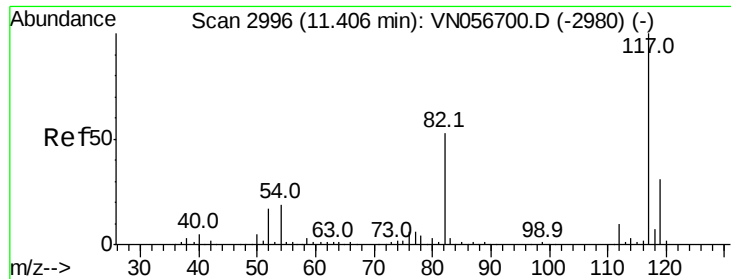
100000

50000

0

Time-->

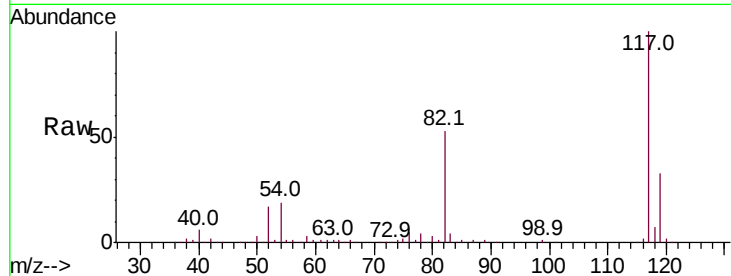




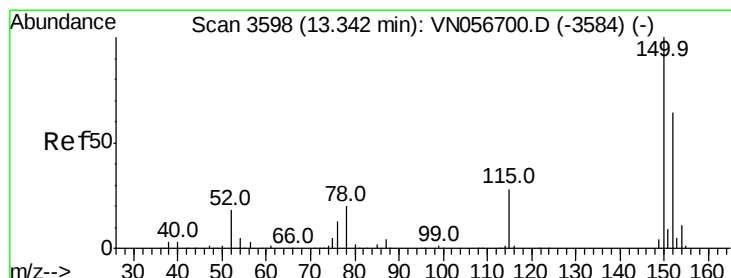
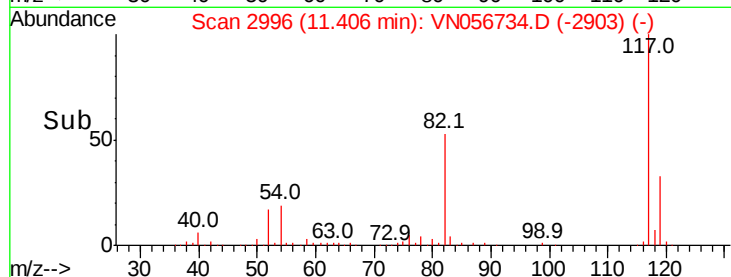
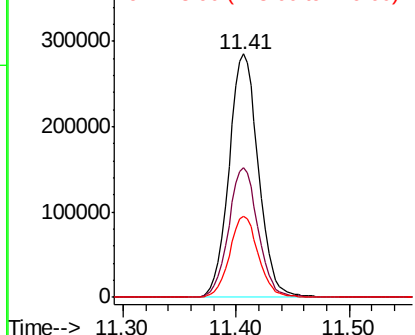
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056734.D  
Acq: 16 Jul 2019 00:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB121354ZHE#04

Tot Ion:117 Resp: 514567  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.2 63.2  
119 33.3 25.2 37.8

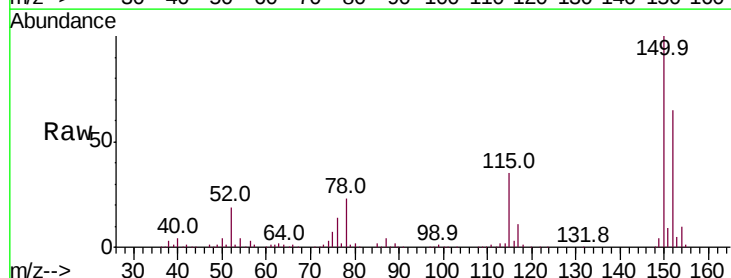


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056734.D  
Acq: 16 Jul 2019 00:34

Tgt Ion:152 Resp: 218962  
Ion Ratio Lower Upper  
152 100  
115 54.5 28.2 84.7  
150 153.7 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

