

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\  
 Data File : VN056416.D  
 Acq On : 21 Jun 2019 11:22  
 Operator : JC/SP  
 Sample : K3465-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 390619769-TRIP-BLANK

Quant Time: Jun 22 02:06:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jun 06 04:02:53 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 58487    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 306800   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 240541   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 120696   | 33.23    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 110.77% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 78020    | 21.88    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 72.93%  |
| 63) Toluene-d8            | 10.09  | 98    | 358028   | 32.81    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 109.37% |

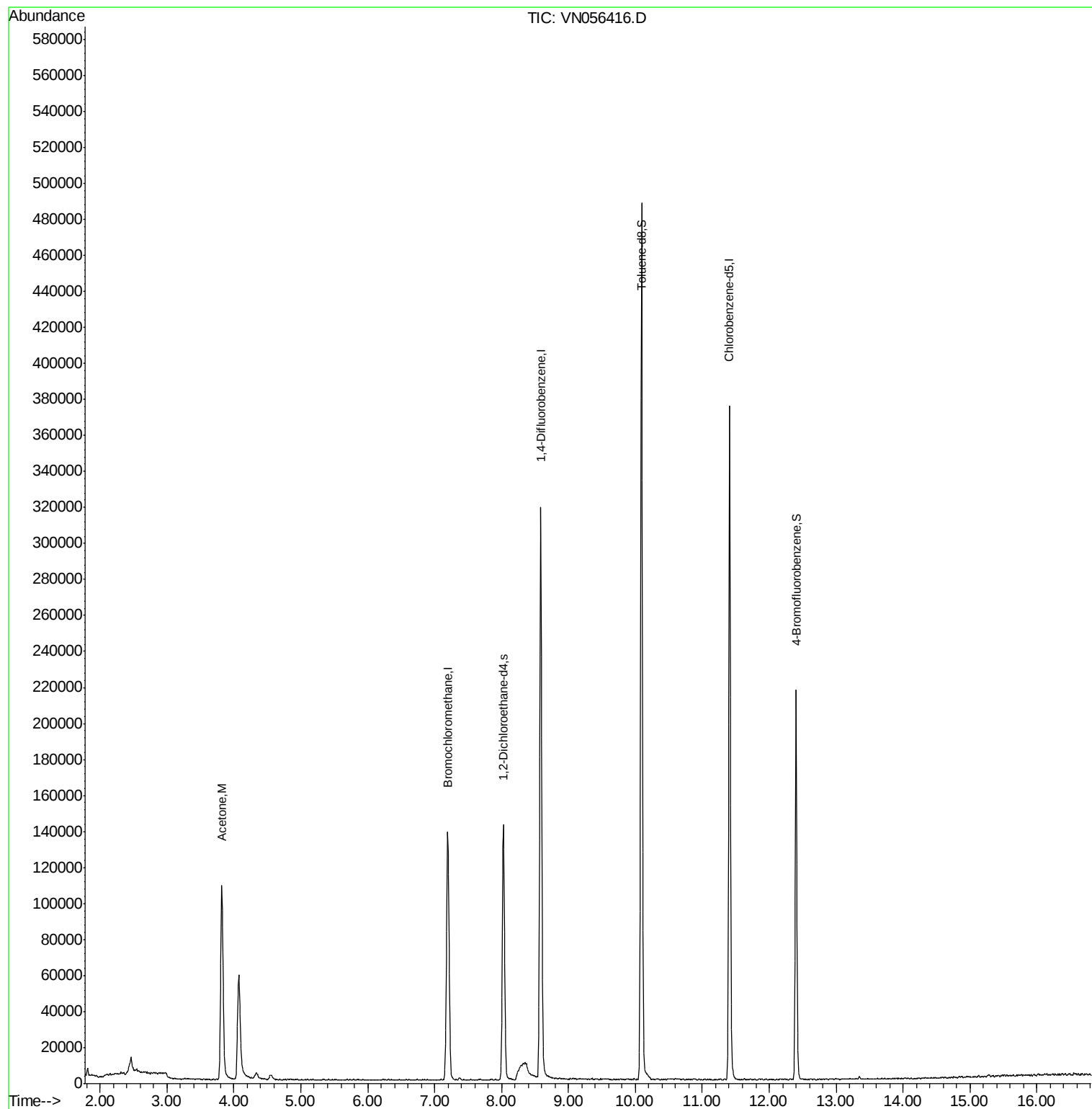
| Target Compounds |      |    |       |              | Ovalue |
|------------------|------|----|-------|--------------|--------|
| 15) Acetone      | 3.82 | 58 | 59732 | 111.503 ug/l | 91     |

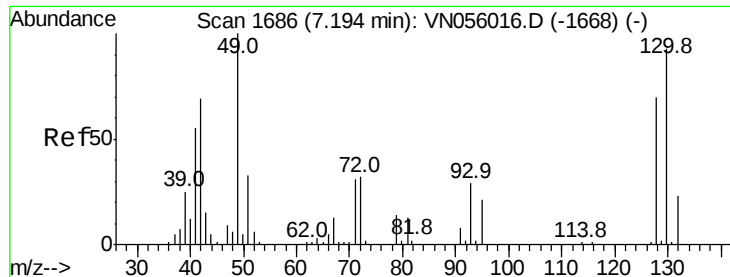
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\  
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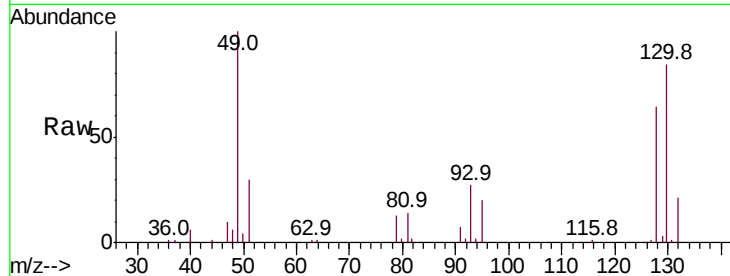




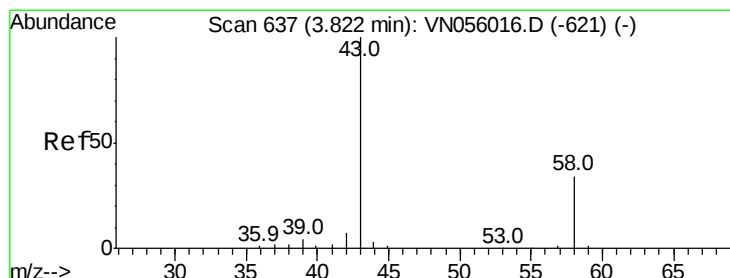
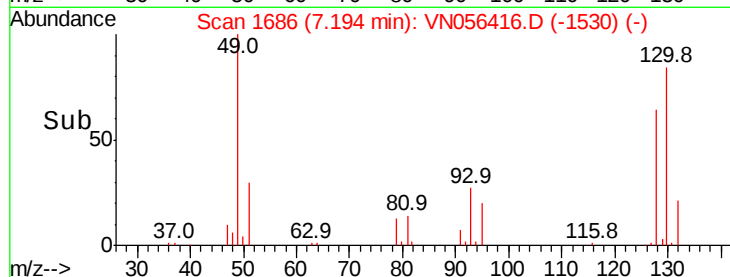
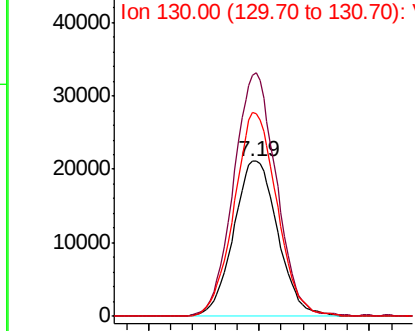
#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. 0.00 min  
 Lab File: VN056416.D  
 Acq: 21 Jun 2019 11:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 390619769-TRIP-BLANK

Tot Ion:128 Resp: 58487  
 Ion Ratio Lower Upper  
 128 100  
 49 151.4 0.0 355.8  
 130 127.8 0.0 326.3

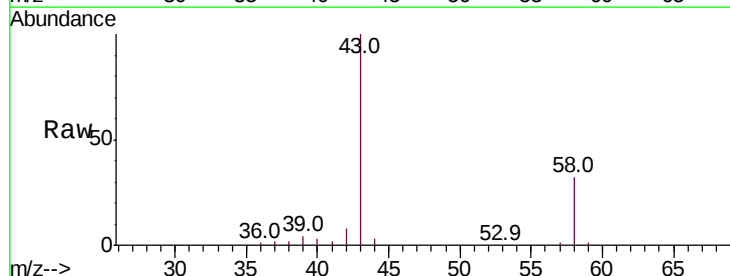


Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 49.00 (48.70 to 49.70): VN  
 Ion 130.00 (129.70 to 130.70): V

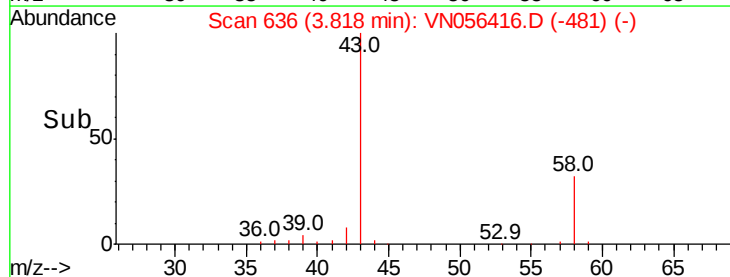
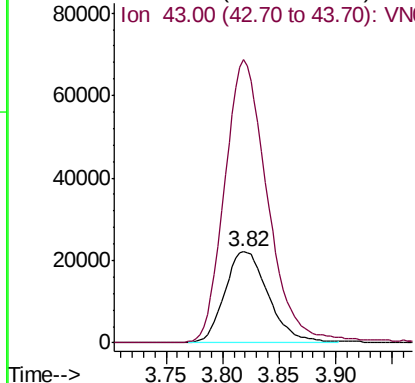


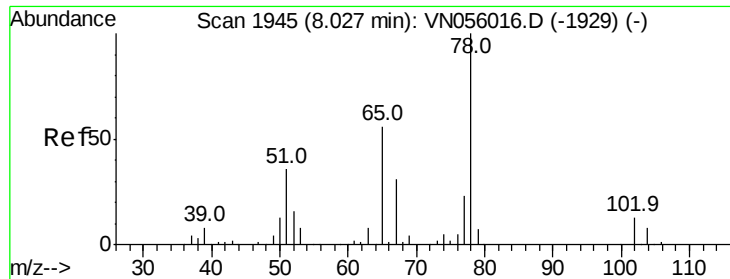
#15  
 Acetone  
 Concen: 111.503 ug/l  
 RT: 3.82 min Scan# 636  
 Delta R.T. -0.00 min  
 Lab File: VN056416.D  
 Acq: 21 Jun 2019 11:22

Tgt Ion: 58 Resp: 59732  
 Ion Ratio Lower Upper  
 58 100  
 43 308.8 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN  
 Ion 43.00 (42.70 to 43.70): VN





#27

1,2-Dichloroethane-d4

Concen: 33.231 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA\_N

ClientSampleId :

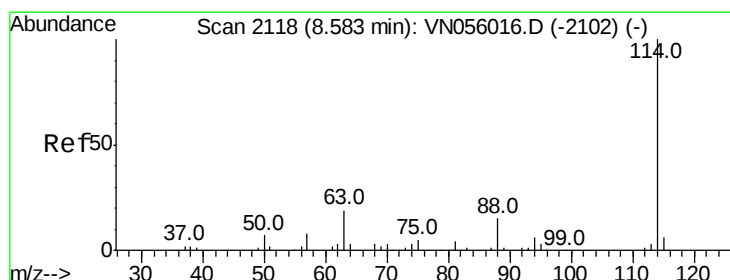
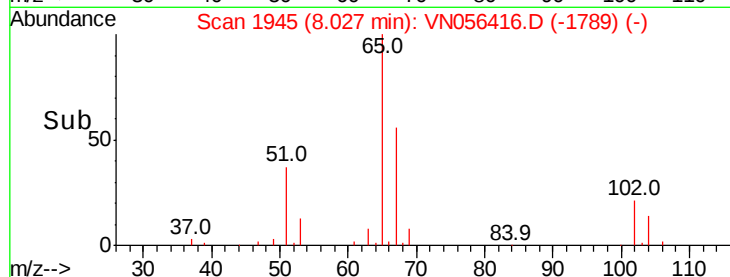
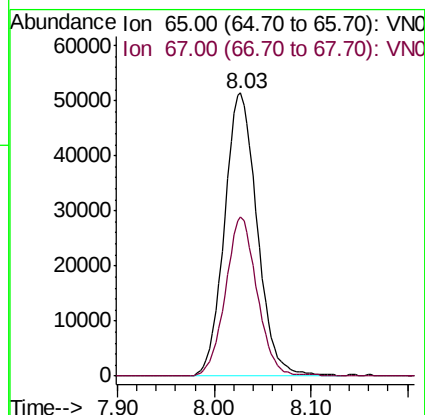
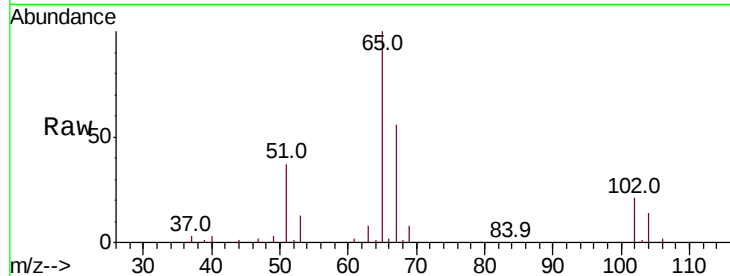
390619769-TRIP-BLANK

Tot Ion: 65 Resp: 120696

Ion Ratio Lower Upper

65 100

67 54.0 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

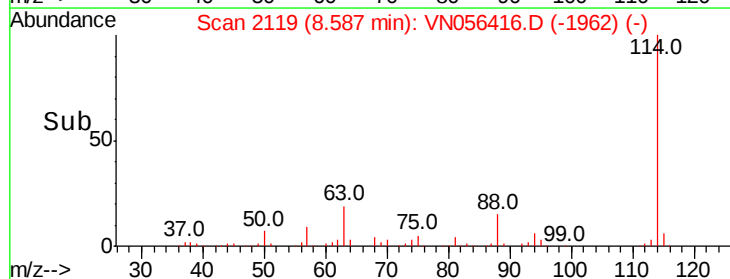
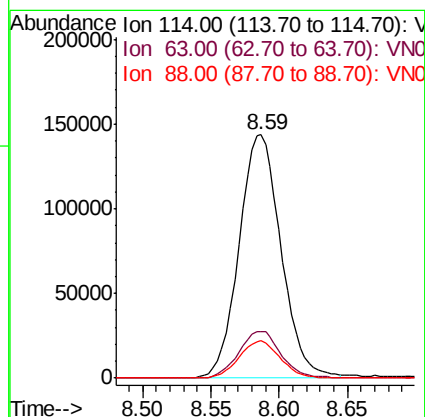
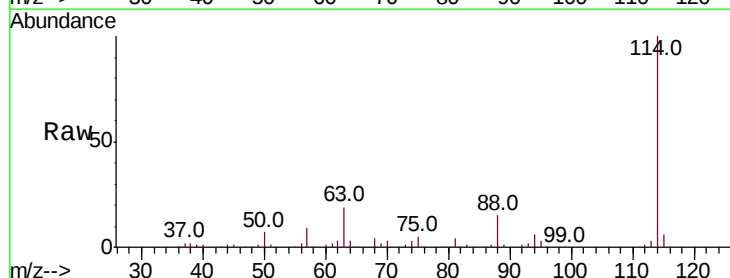
Tgt Ion: 114 Resp: 306800

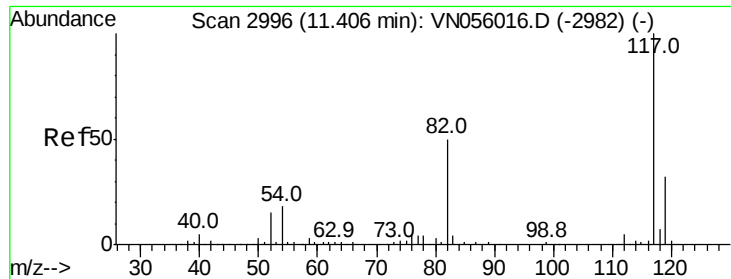
Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

88 15.1 11.9 17.9

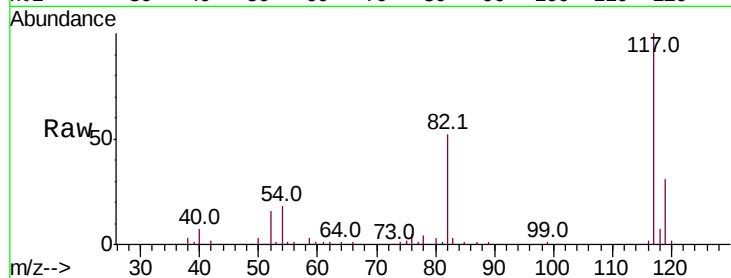




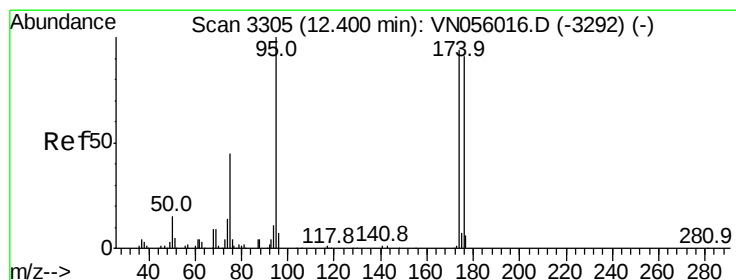
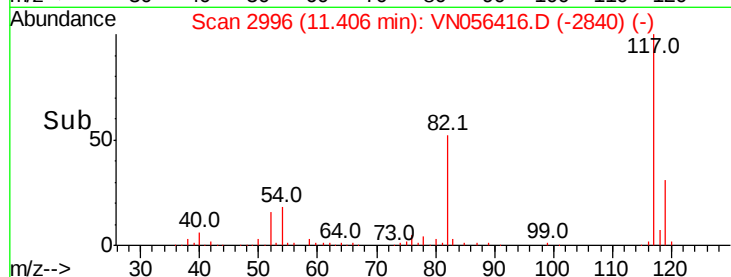
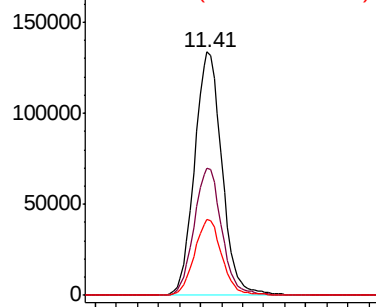
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056416.D  
Acq: 21 Jun 2019 11:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
390619769-TRIP-BLANK

Tot Ion:117 Resp: 240541  
Ion Ratio Lower Upper  
117 100  
82 52.8 41.2 61.8  
119 31.1 26.2 39.2

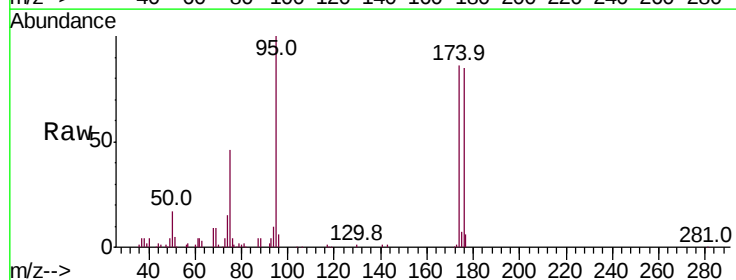


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 119.00 (118.70 to 119.70): V

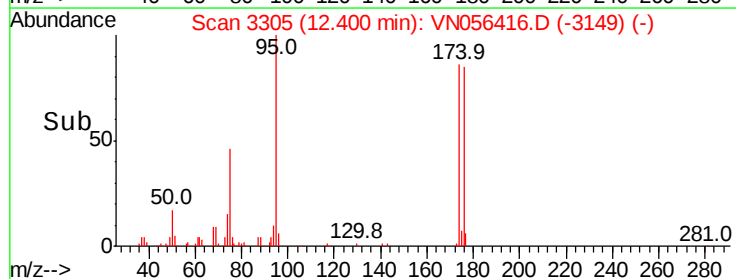
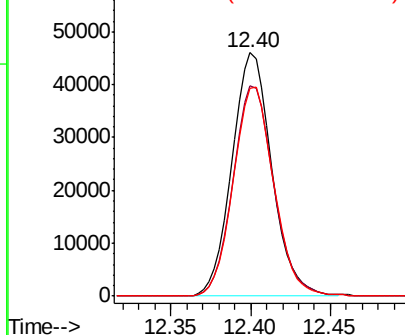


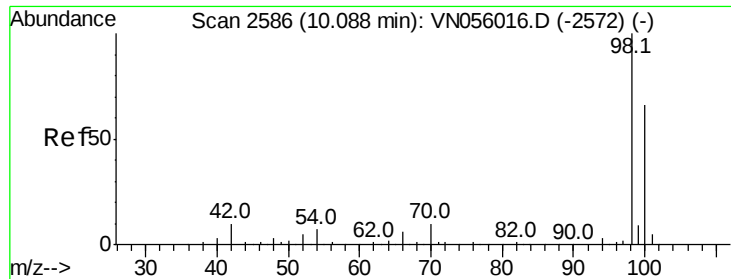
#60  
4-Bromofluorobenzene  
Concen: 21.883 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056416.D  
Acq: 21 Jun 2019 11:22

Tgt Ion: 95 Resp: 78020  
Ion Ratio Lower Upper  
95 100  
174 88.4 75.4 113.0  
176 87.4 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN  
Ion 174.00 (173.70 to 174.70): V  
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 32.811 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA\_N

ClientSampleId :

390619769-TRIP-BLANK

Tot Ion: 98 Resp: 358028

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4

