

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\  
 Data File : VN057026.D  
 Acq On : 1 Aug 2019 10:36  
 Operator : JC/SP  
 Sample : K4079-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TANK-4

Quant Time: Aug 02 05:27:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 24 04:19:57 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 76022    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 381638   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.40 | 117  | 290922   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 8.02   | 65    | 145476   | 29.24    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 97.47%  |
| 60) 4-Bromofluorobenzene    | 12.40  | 95    | 89265    | 20.47    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 68.23%  |
| 63) Toluene-d8              | 10.08  | 98    | 452200   | 32.91    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 109.70% |

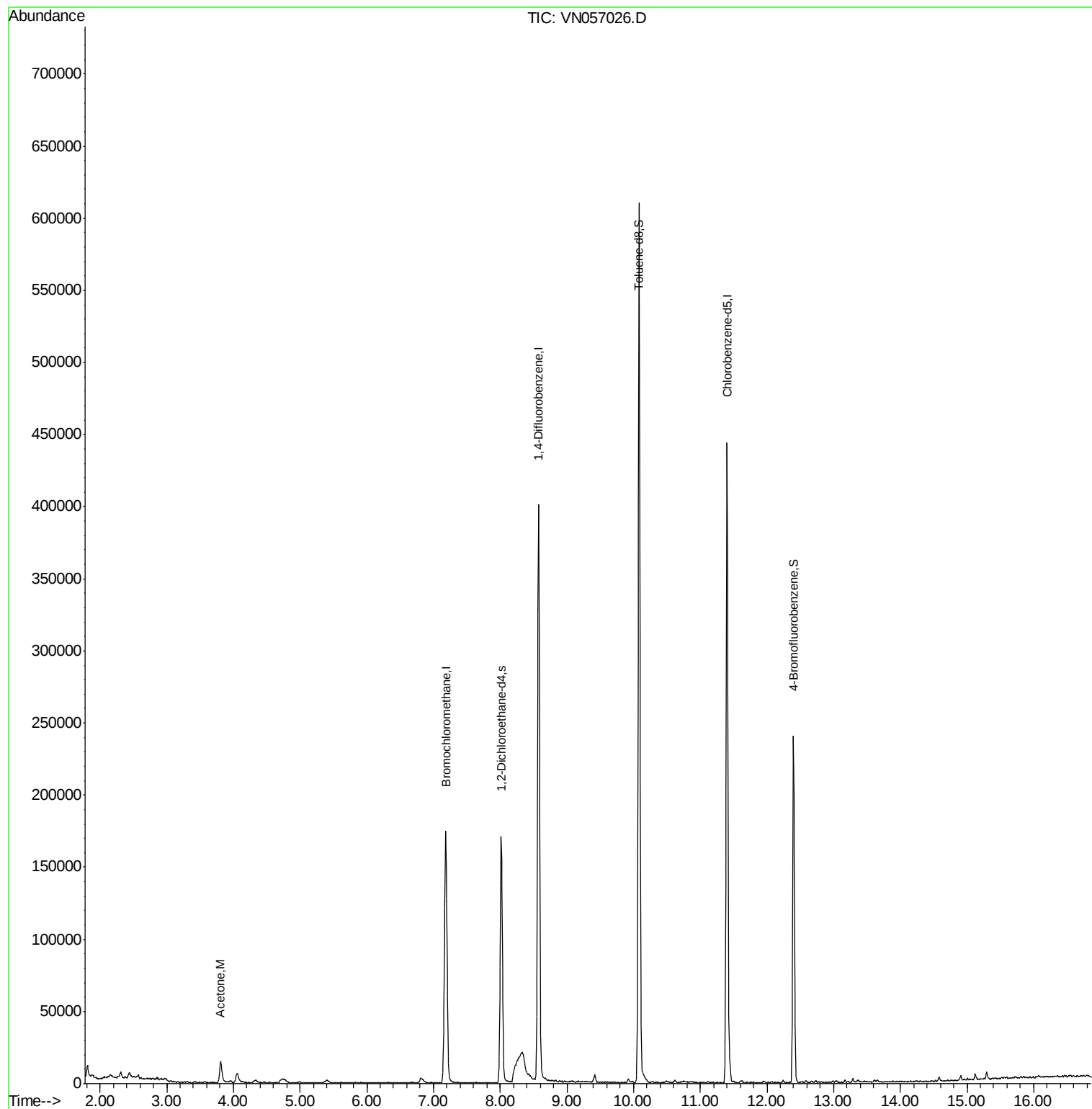
| Target Compounds |      |    |      |             | Ovalue |
|------------------|------|----|------|-------------|--------|
| 15) Acetone      | 3.81 | 58 | 8390 | 16.941 ug/l | 82     |

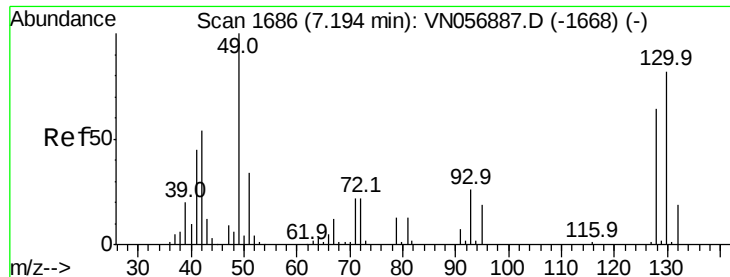
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 04:19:57 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057026.D

Acq: 1 Aug 2019 10:36

Instrument :

MSVOA\_N

ClientSampled :

TANK-4

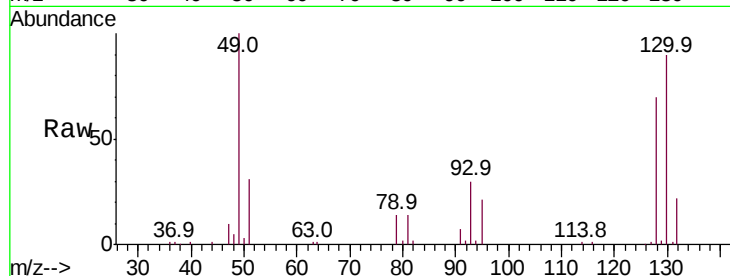
Tot Ion:128 Resp: 76022

Ion Ratio Lower Upper

128 100

49 142.2 0.0 385.8

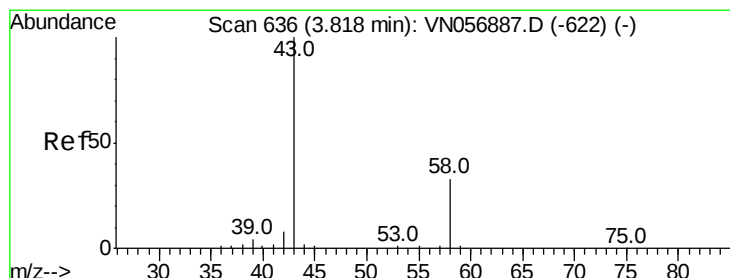
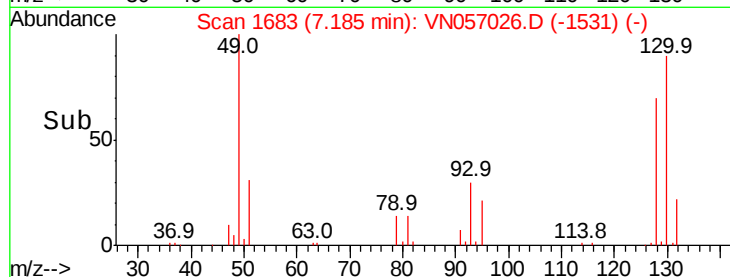
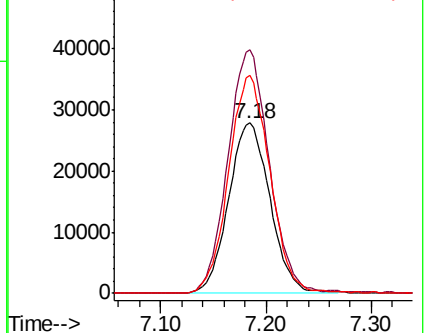
130 126.9 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 16.941 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN057026.D

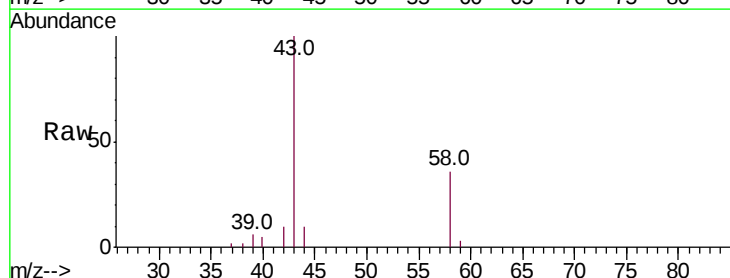
Acq: 1 Aug 2019 10:36

Tgt Ion: 58 Resp: 8390

Ion Ratio Lower Upper

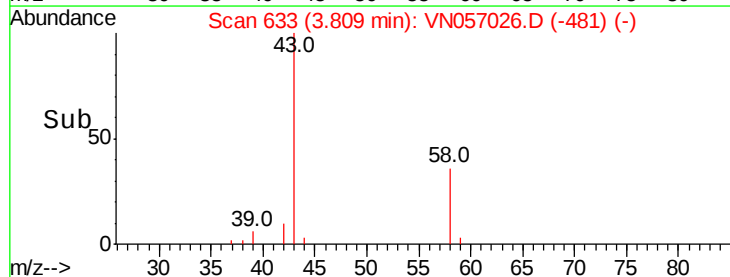
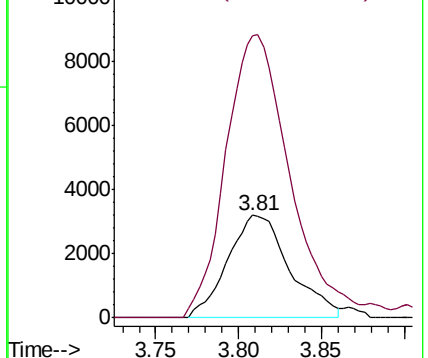
58 100

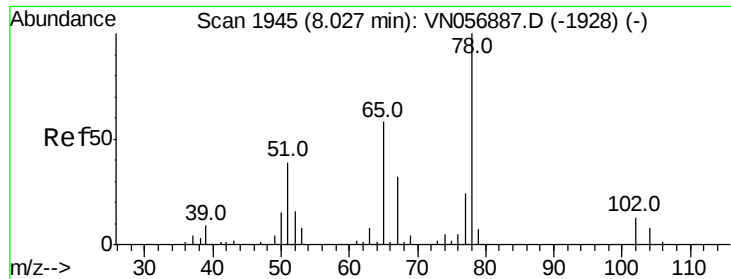
43 266.8 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 29.240 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VN057026.D

Acq: 1 Aug 2019 10:36

Instrument :

MSVOA\_N

ClientSampled :

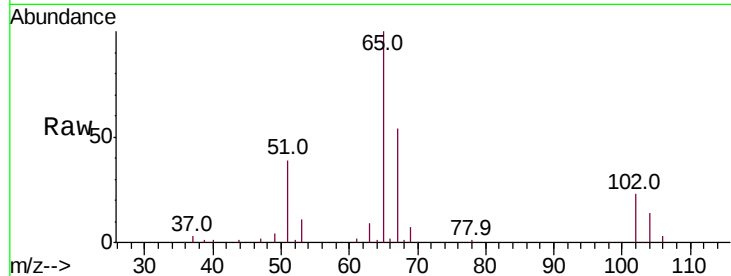
TANK-4

Tot Ion: 65 Resp: 145476

Ion Ratio Lower Upper

65 100

67 54.1 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN056887.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056887.D (-1928) (-)

8.02

60000

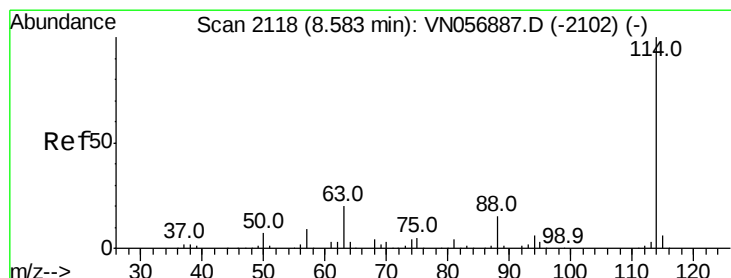
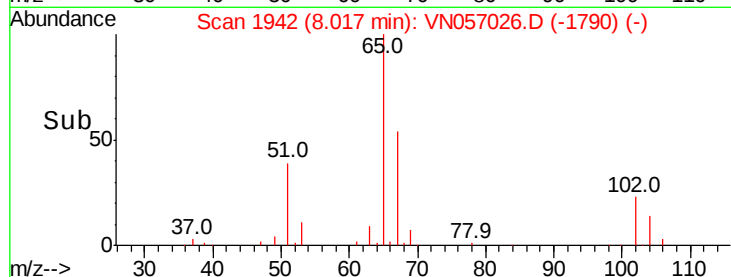
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.01 min

Lab File: VN057026.D

Acq: 1 Aug 2019 10:36

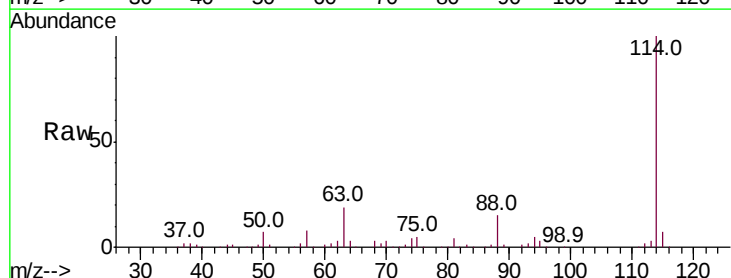
Tgt Ion: 114 Resp: 381638

Ion Ratio Lower Upper

114 100

63 19.0 15.8 23.6

88 15.2 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

8.58

250000

200000

150000

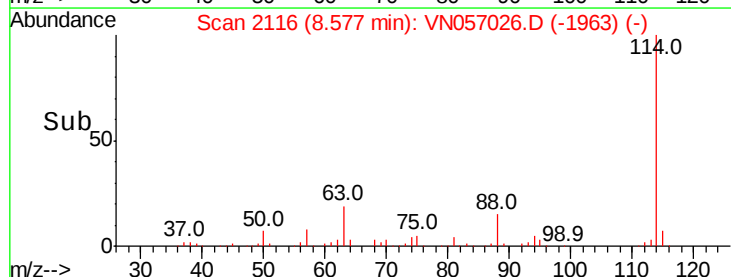
100000

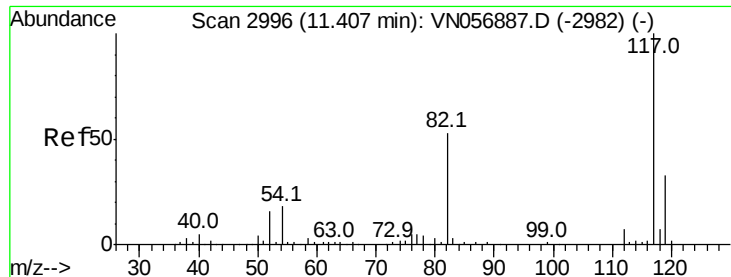
50000

0

8.50 8.55 8.60 8.65

Time-->

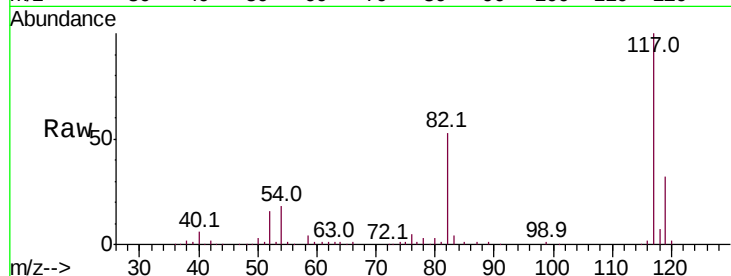




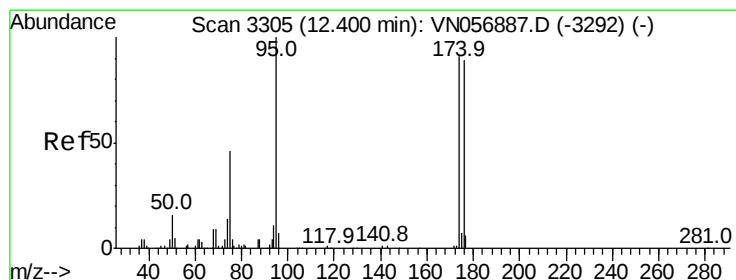
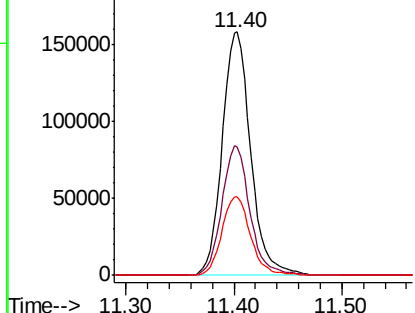
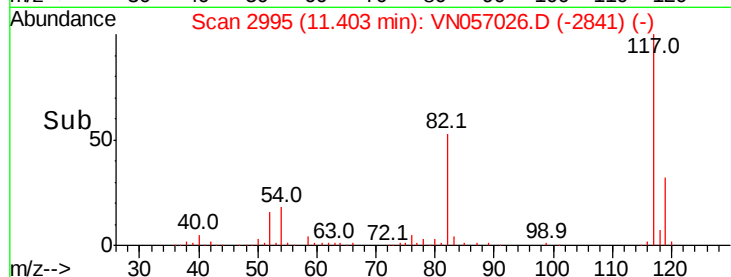
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN057026.D  
Acq: 1 Aug 2019 10:36

Instrument :  
MSVOA\_N  
ClientSampled :  
TANK-4

Tot Ion:117 Resp: 290922  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.0 64.4  
119 32.7 26.2 39.2

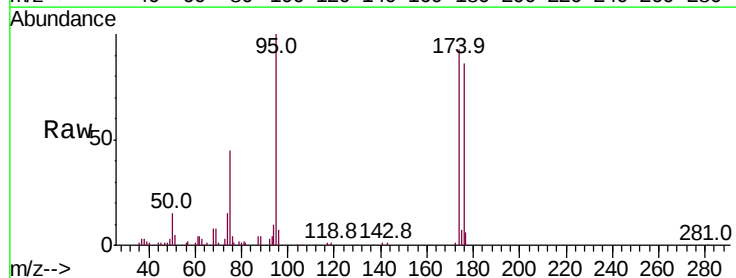


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 119.00 (118.70 to 119.70): V

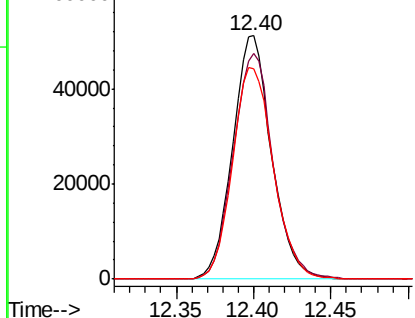
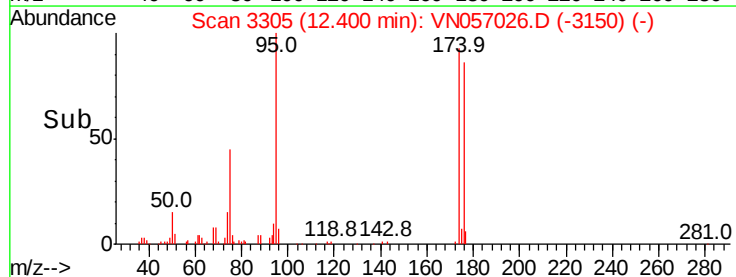


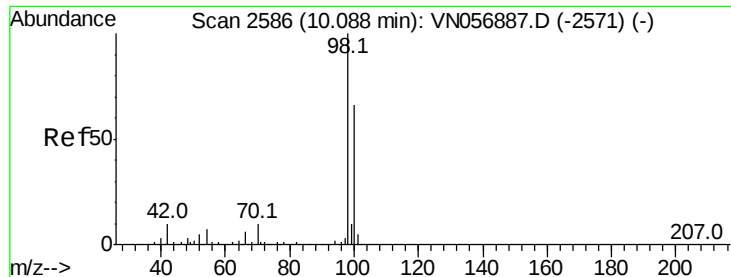
#60  
4-Bromofluorobenzene  
Concen: 20.472 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN057026.D  
Acq: 1 Aug 2019 10:36

Tgt Ion: 95 Resp: 89265  
Ion Ratio Lower Upper  
95 100  
174 95.3 71.9 107.9  
176 91.4 69.8 104.8



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





#63  
Toluene-d8  
Concen: 32.905 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. -0.01 min  
Lab File: VN057026.D  
Acq: 1 Aug 2019 10:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
TANK-4

Tot Ion: 98 Resp: 452200  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.4 77.2

