

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056026.D
 Acq On : 6 Jun 2019 00:18
 Operator : JC/SP
 Sample : K3191-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CULVER-CBTC-TP1-060419

Quant Time: Jun 06 04:45:14 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	7.20	128	52880	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277368	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	214661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101644	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	12.40	95	73979	23.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	77.50%
63) Toluene-d8	10.09	98	314530	32.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.67%

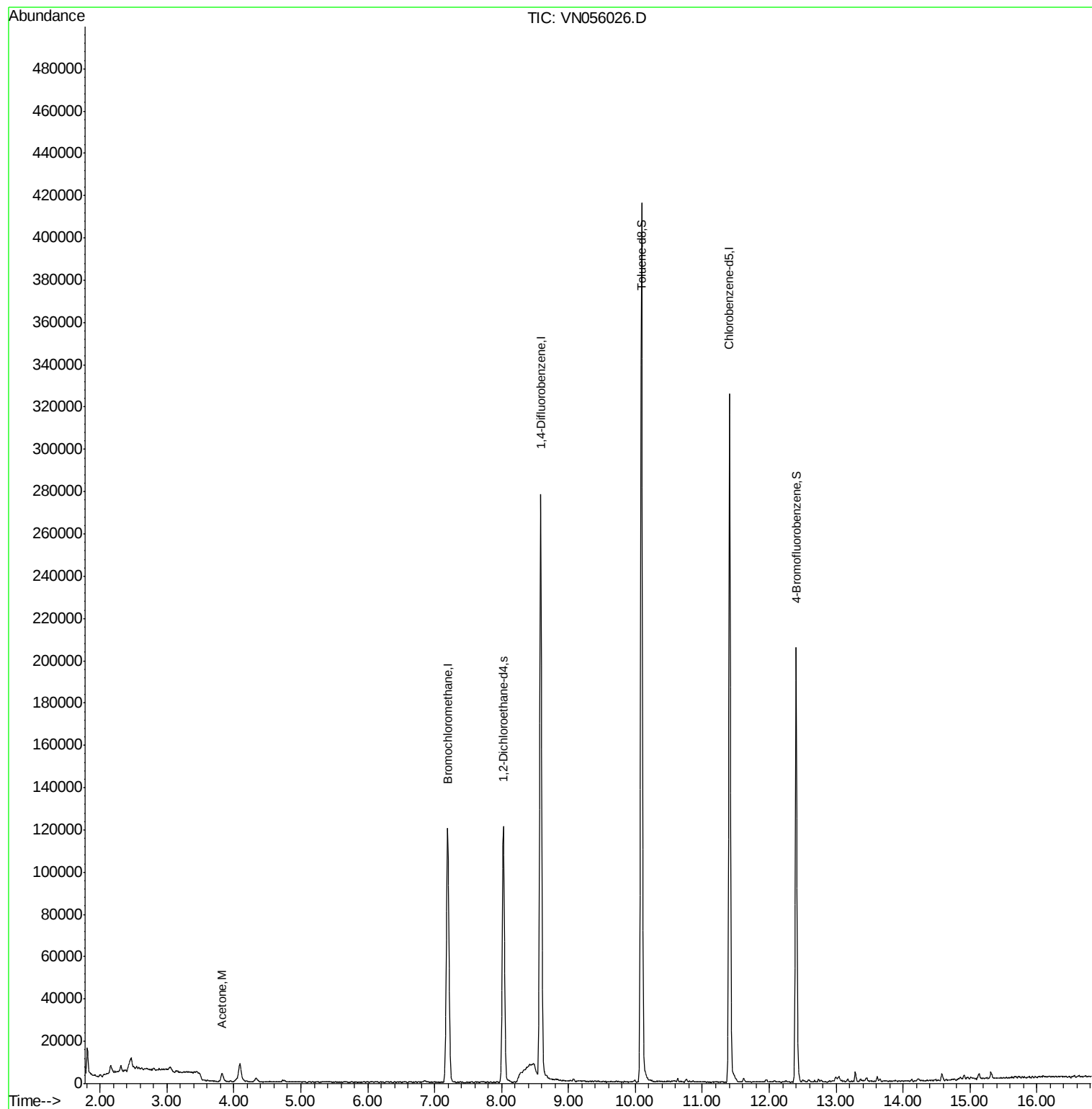
Target Compounds					Ovalue
15) Acetone	3.82	58	2025	4.181 ug/l	80

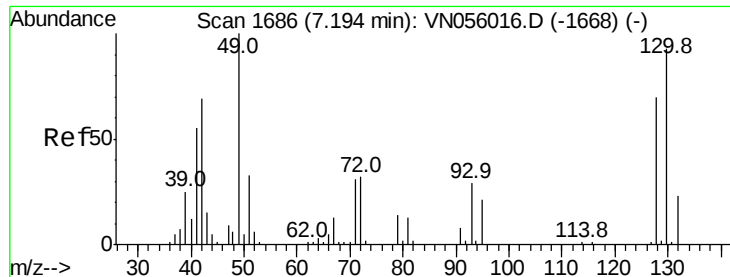
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056026.D

Acq: 6 Jun 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

CULVER-CBTC-TP1-060419

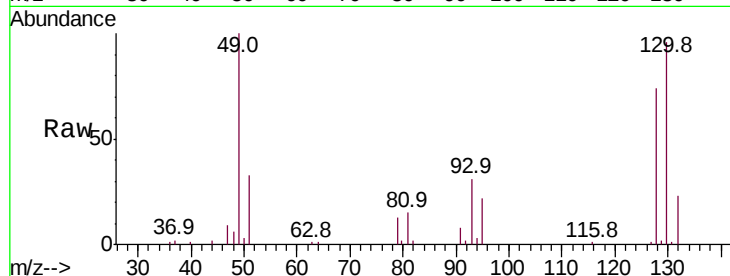
Tot Ion:128 Resp: 52880

Ion Ratio Lower Upper

128 100

49 139.8 0.0 355.8

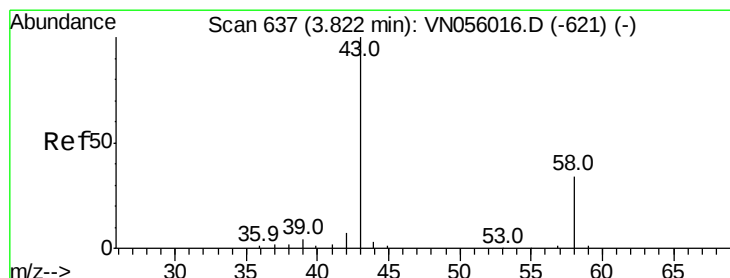
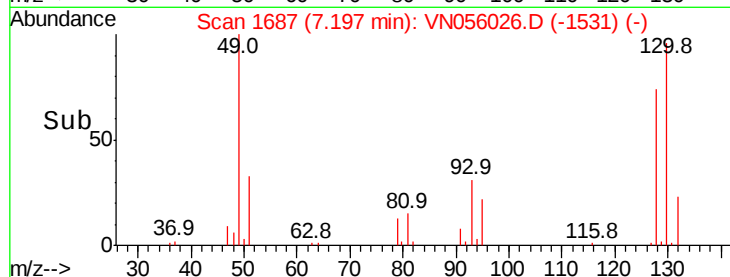
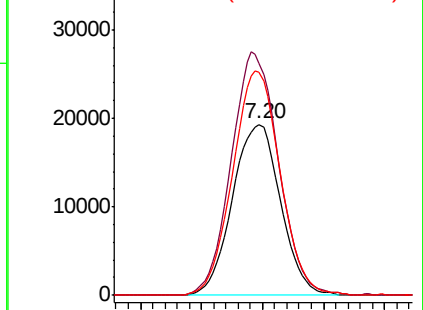
130 129.6 0.0 326.3



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: 4.181 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056026.D

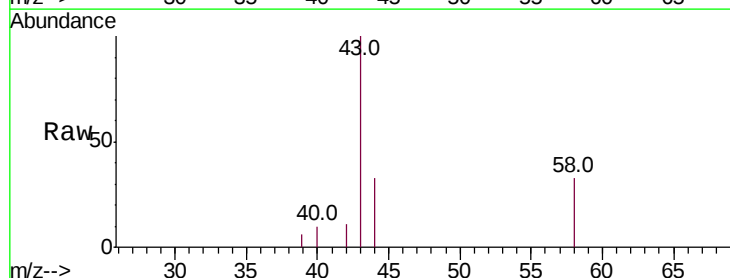
Acq: 6 Jun 2019 00:18

Tgt Ion: 58 Resp: 2025

Ion Ratio Lower Upper

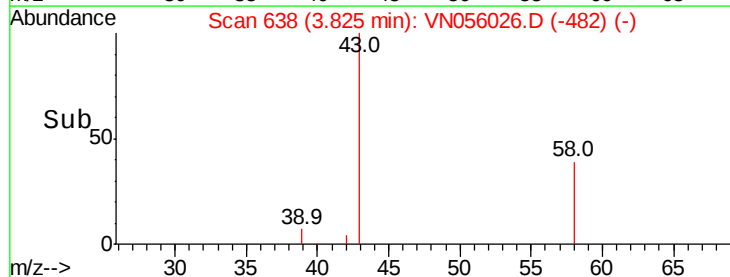
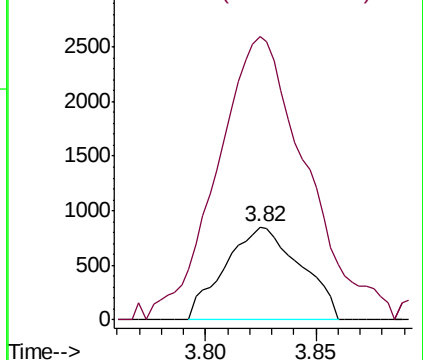
58 100

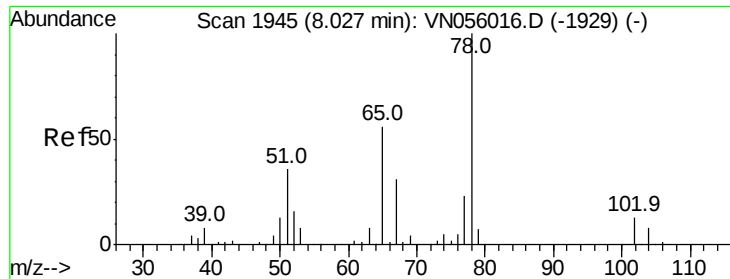
43 251.5 232.5 348.7



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: 30.953 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056026.D

Acq: 6 Jun 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

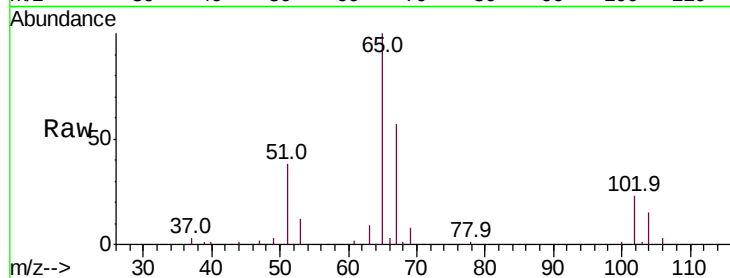
CULVER-CBTC-TP1-060419

Tot Ion: 65 Resp: 101644

Ion Ratio Lower Upper

65 100

67 54.7 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056016.D (-1929) (-)

8.03

40000

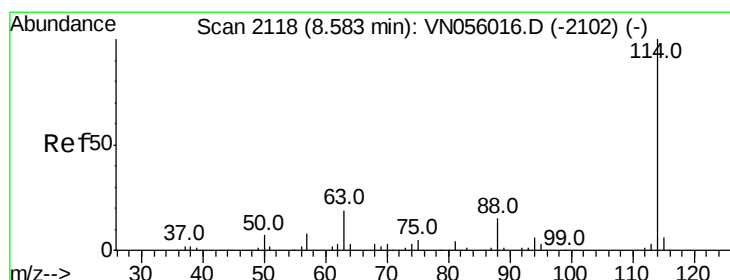
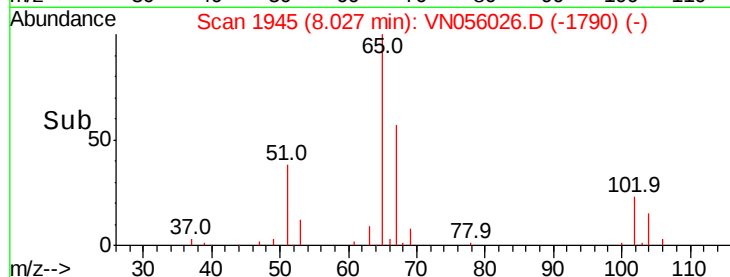
30000

20000

10000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056026.D

Acq: 6 Jun 2019 00:18

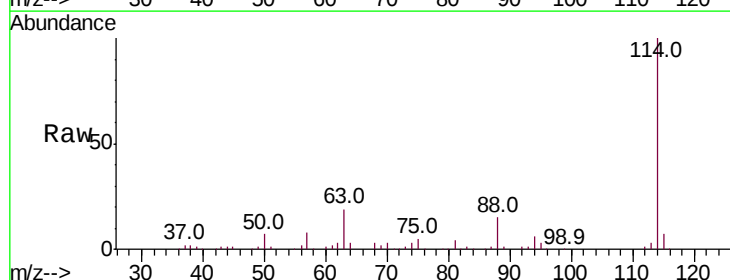
Tgt Ion: 114 Resp: 277368

Ion Ratio Lower Upper

114 100

63 18.3 14.7 22.1

88 14.8 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

8.58

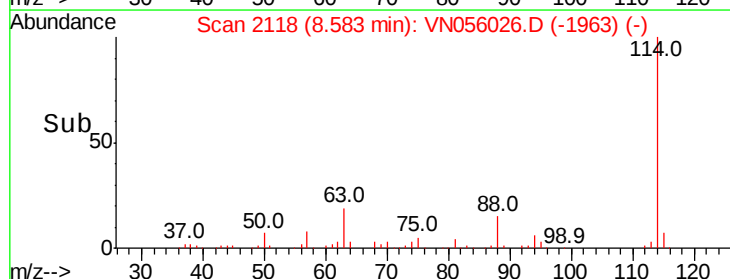
150000

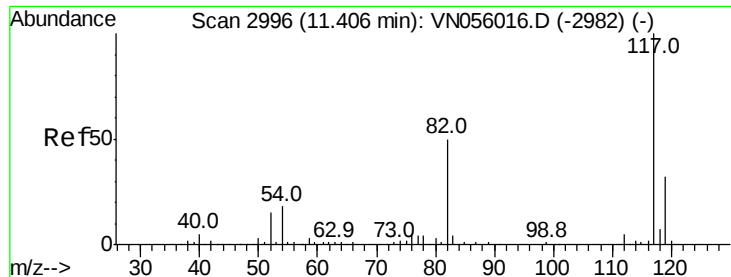
100000

50000

0

Time--> 8.50 8.60 8.70

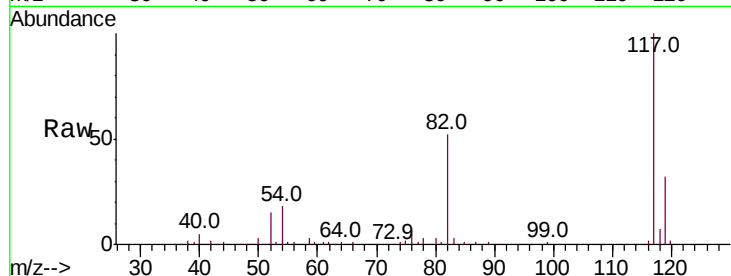




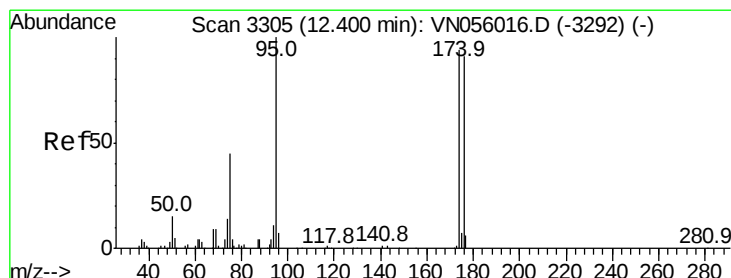
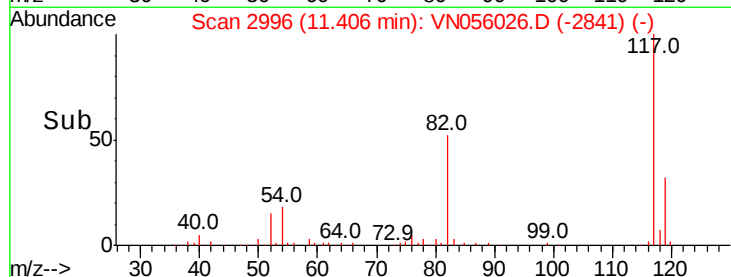
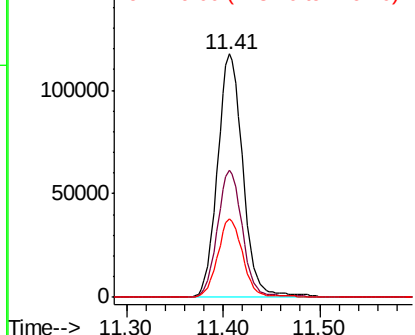
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056026.D
Acq: 6 Jun 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :
CULVER-CBTC-TP1-060419

Tot Ion:117 Resp: 214661
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 31.5 26.2 39.2

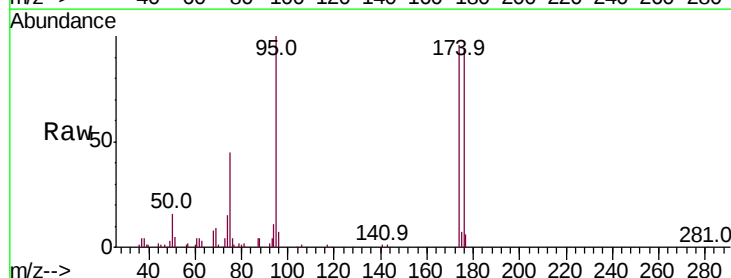


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

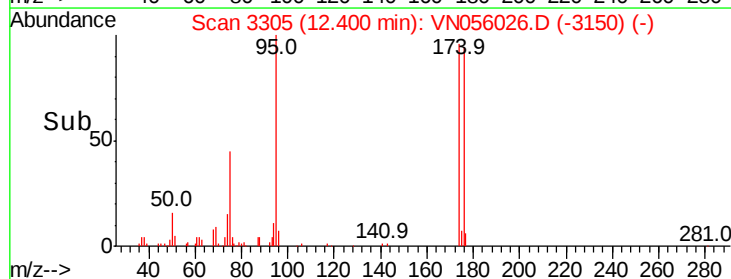
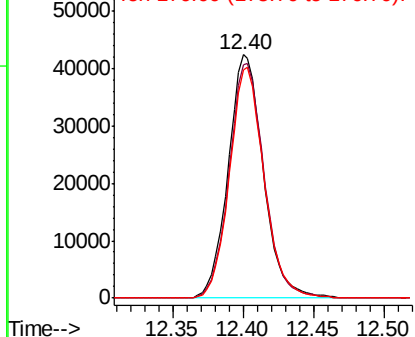


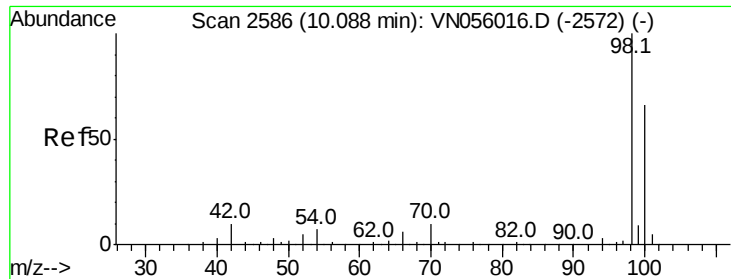
#60
4-Bromofluorobenzene
Concen: 23.251 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056026.D
Acq: 6 Jun 2019 00:18

Tgt Ion: 95 Resp: 73979
Ion Ratio Lower Upper
95 100
174 96.0 75.4 113.0
176 93.0 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: 32.300 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056026.D

Acq: 6 Jun 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

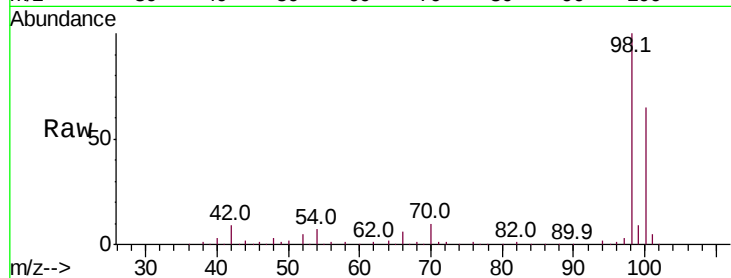
CULVER-CBTC-TP1-060419

Tot Ion: 98 Resp: 314530

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

150000

100000

50000

0

Time-->

