

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058834.D
 Acq On : 17 Oct 2019 17:43
 Operator : JC/SP
 Sample : K5393-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-13-V1-(24)

Quant Time: Oct 18 04:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

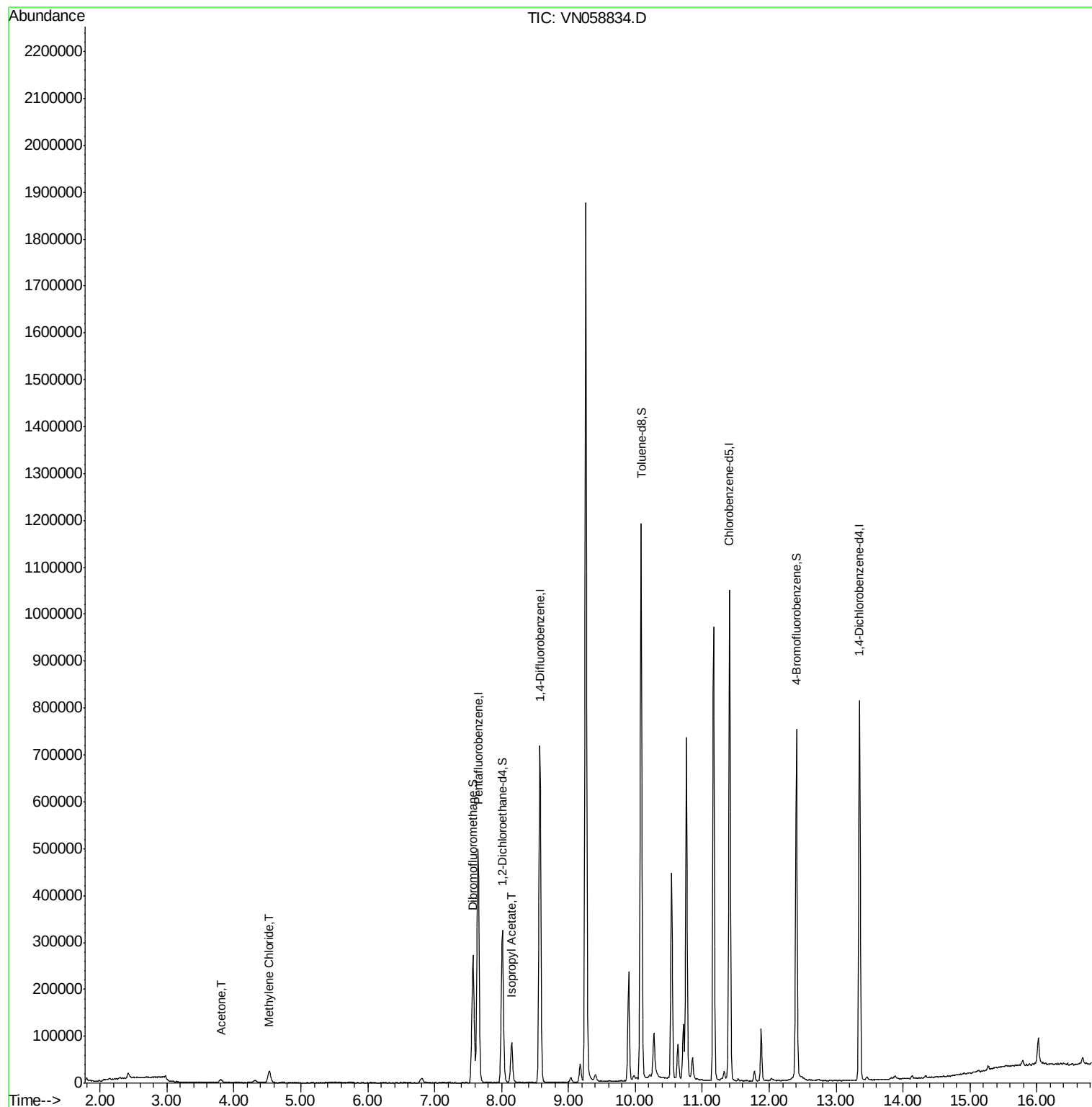
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	381464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	612524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208383	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	286940	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
35) Dibromofluoromethane	7.57	113	203036	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	10.08	98	796483	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.41	95	251420	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
16) Acetone	3.80	43	12513	5.660	ug/l #	87
20) Methylene Chloride	4.53	84	17899	3.874	ug/l	89
43) Isopropyl Acetate	8.15	43	101451	9.508	ug/l #	90

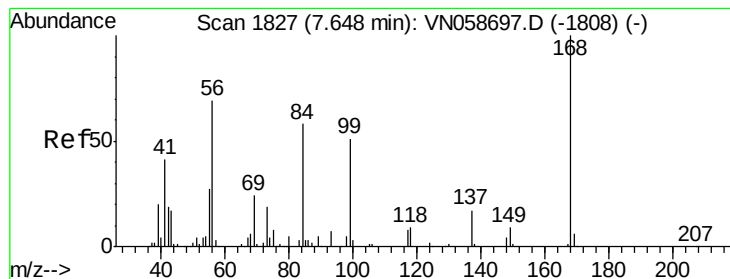
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

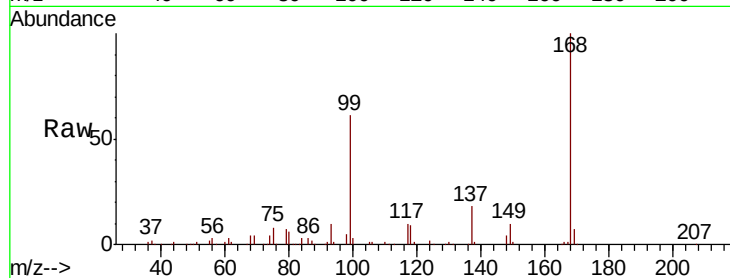
T-13-V1-(24)

Tot Ion:168 Resp: 381464

Ion Ratio Lower Upper

168 100

99 60.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

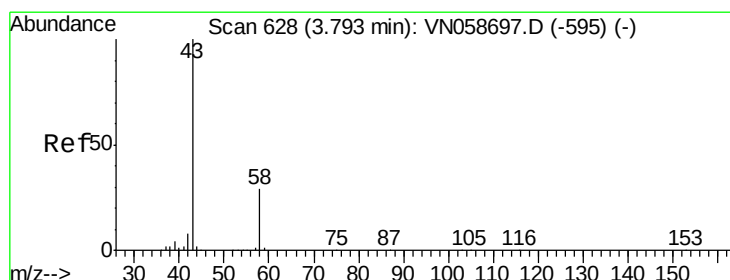
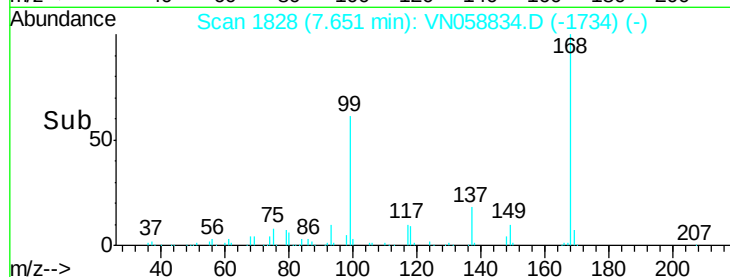
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 5.660 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058834.D

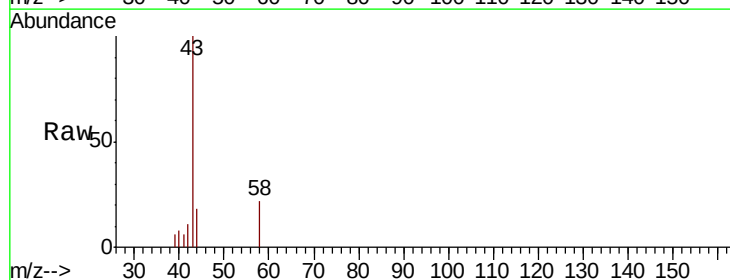
Acq: 17 Oct 2019 17:43

Tgt Ion: 43 Resp: 12513

Ion Ratio Lower Upper

43 100

58 22.1 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

5000

4000

3000

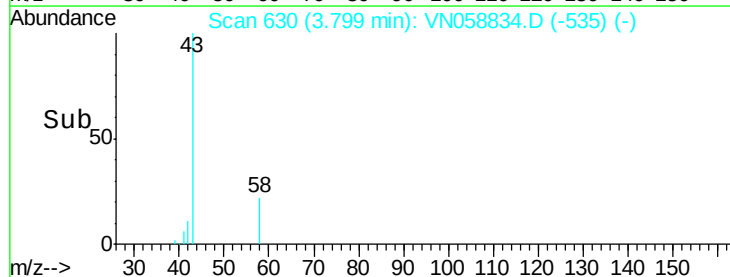
2000

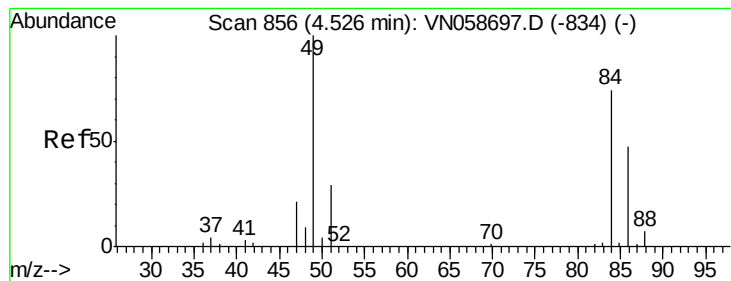
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 3.874 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

T-13-V1-(24)

Tot Ion: 84 Resp: 17899

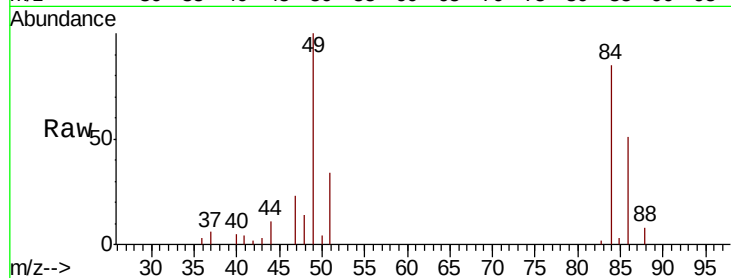
Ion Ratio Lower Upper

84 100

49 114.5 107.6 161.4

51 40.4 31.4 47.0

86 59.7 50.3 75.5

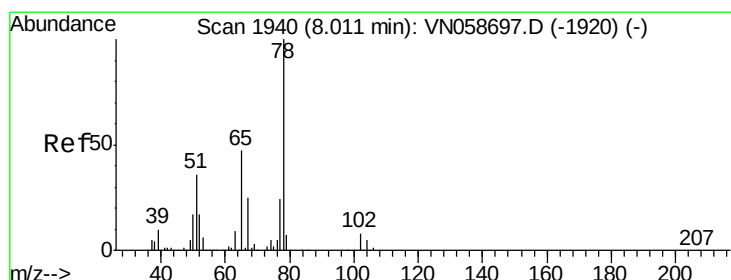
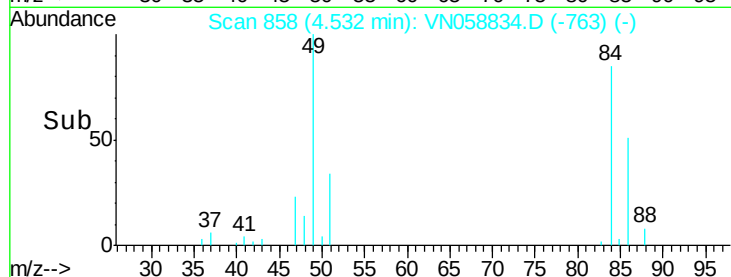
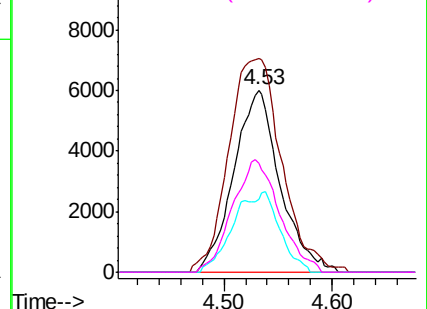


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.730 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058834.D

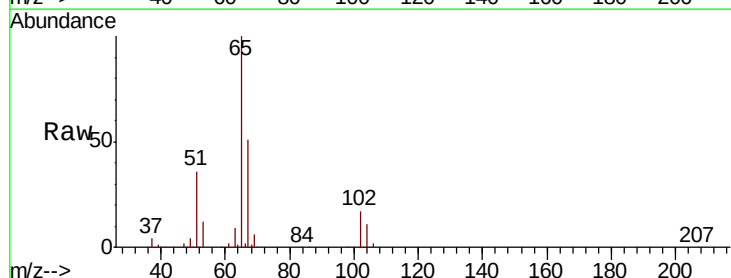
Acq: 17 Oct 2019 17:43

Tgt Ion: 65 Resp: 286940

Ion Ratio Lower Upper

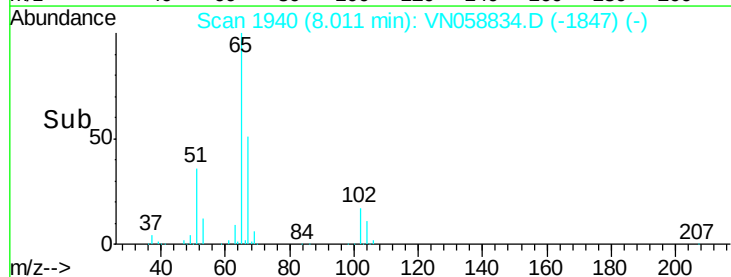
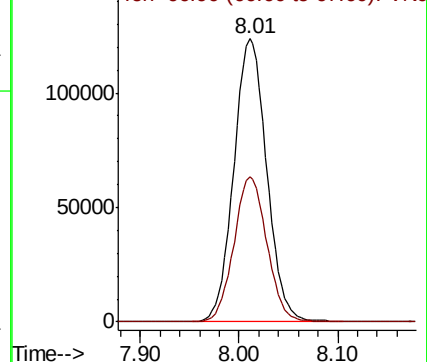
65 100

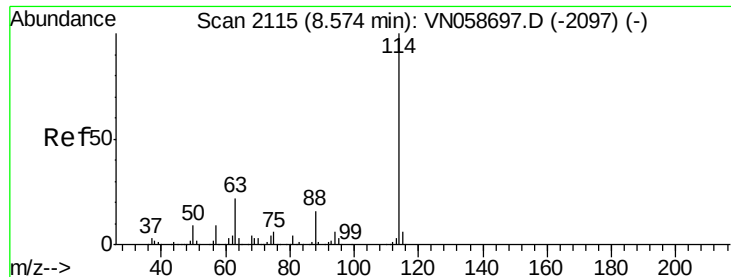
67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

T-13-V1-(24)

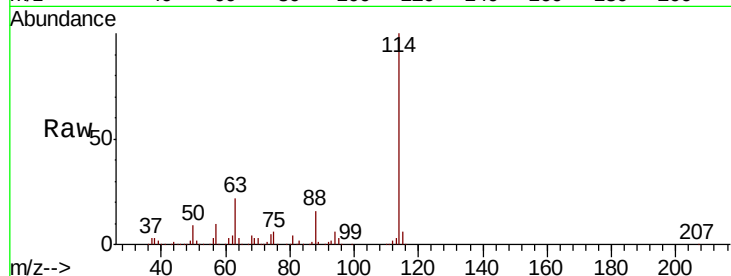
Tot Ion:114 Resp: 612524

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

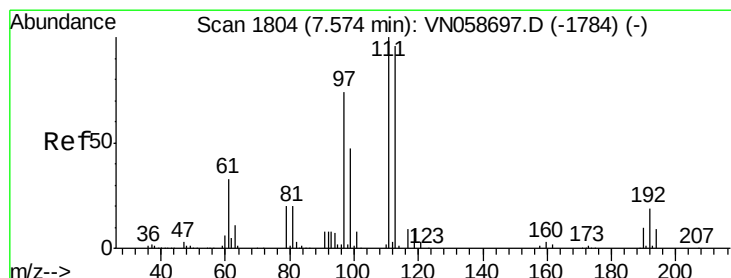
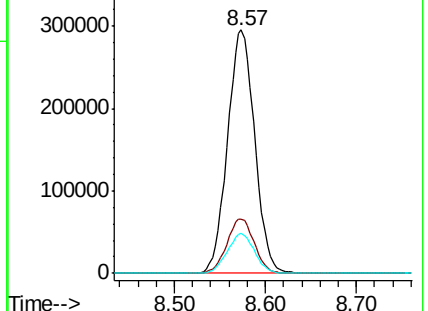
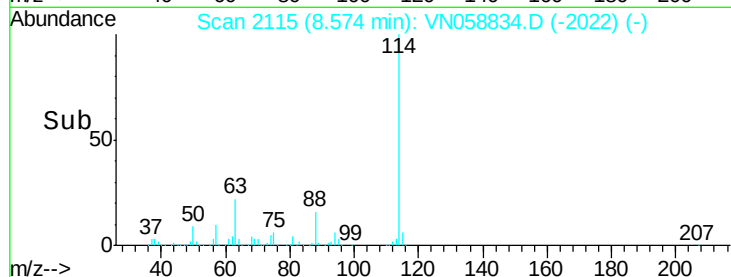
88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 53.665 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

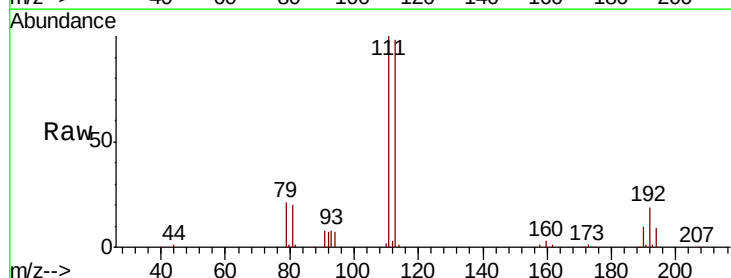
Tgt Ion:113 Resp: 203036

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

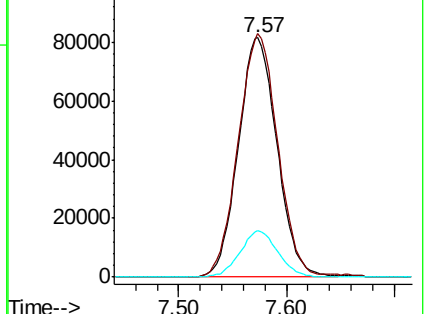
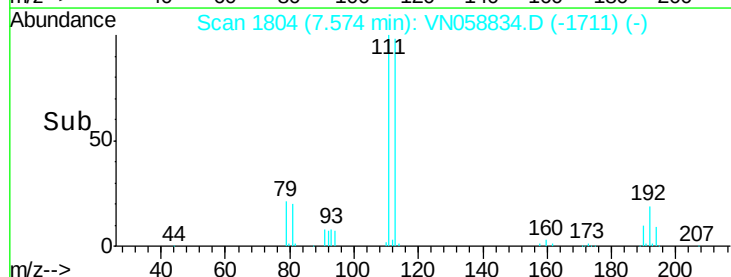
192 18.9 15.0 22.6

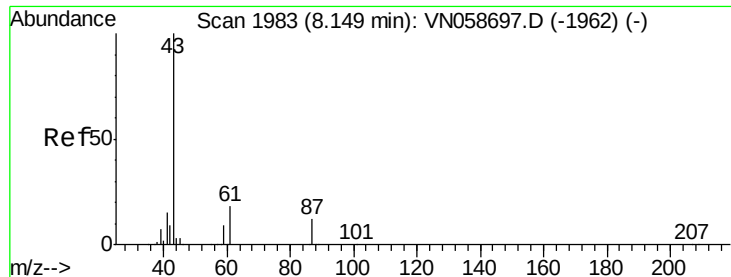


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.508 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

T-13-V1-(24)

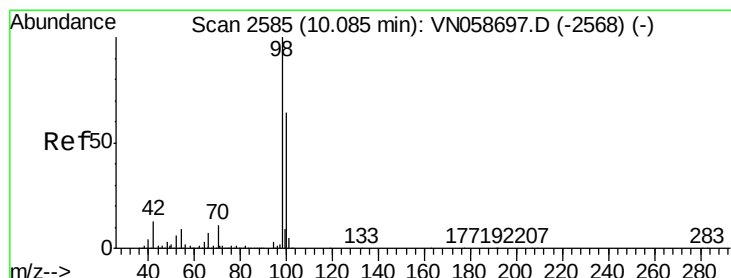
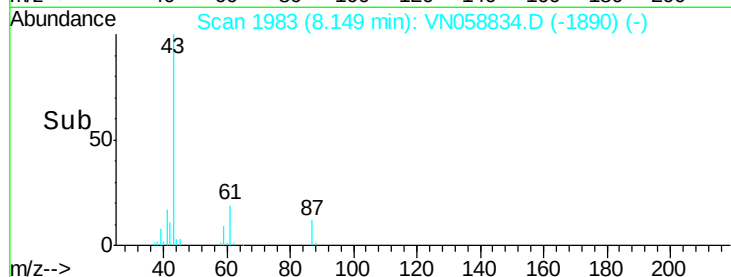
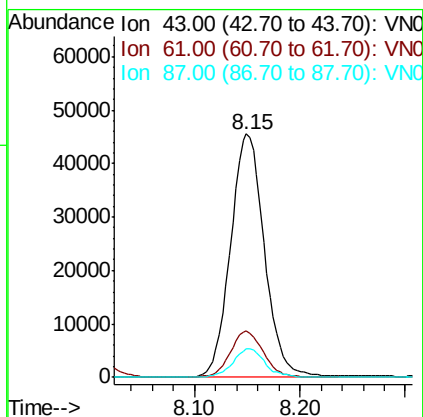
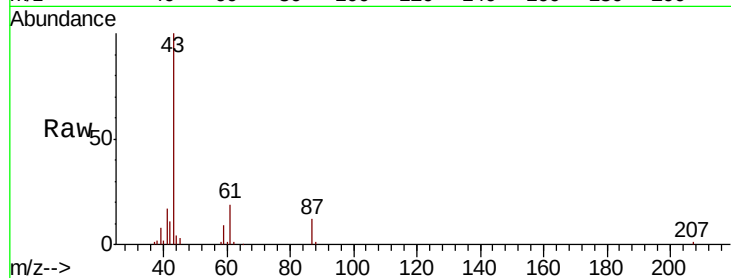
Tot Ion: 43 Resp: 101451

Ion Ratio Lower Upper

43 100

61 18.5 20.3 30.5#

87 11.1 9.8 14.6



#50

Toluene-d8

Concen: 52.645 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058834.D

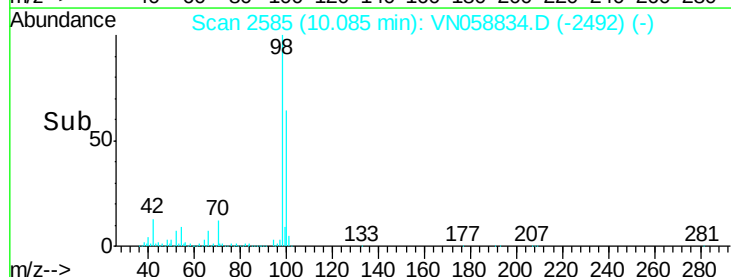
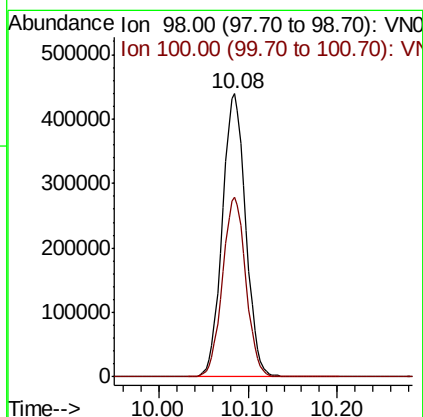
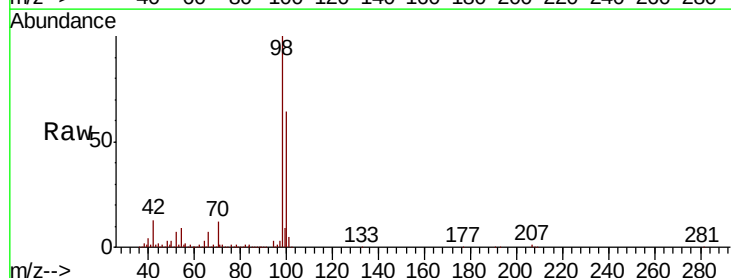
Acq: 17 Oct 2019 17:43

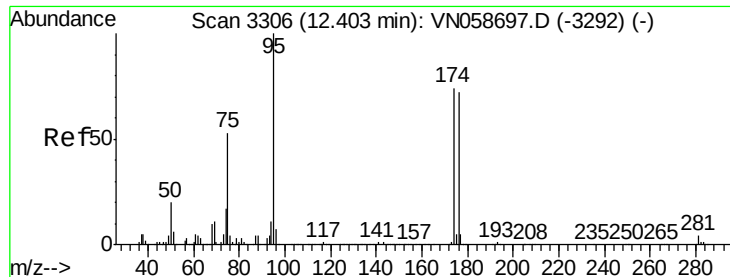
Tgt Ion: 98 Resp: 796483

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 43.901 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

T-13-V1-(24)

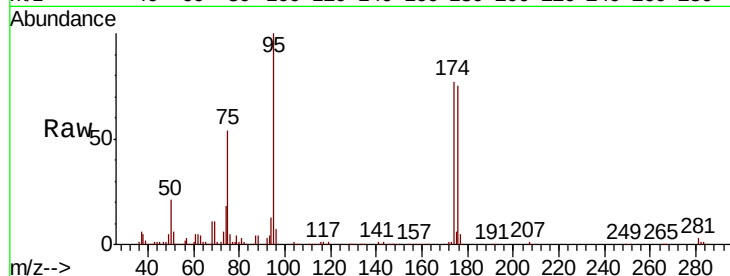
Tot Ion: 95 Resp: 251420

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

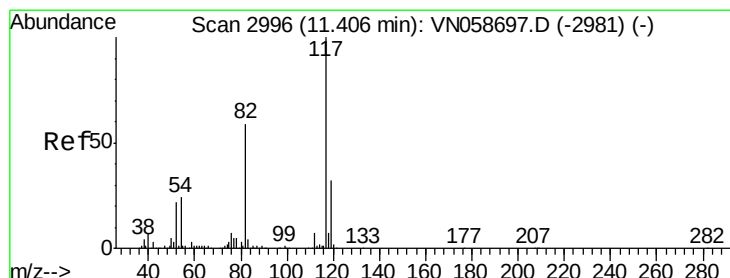
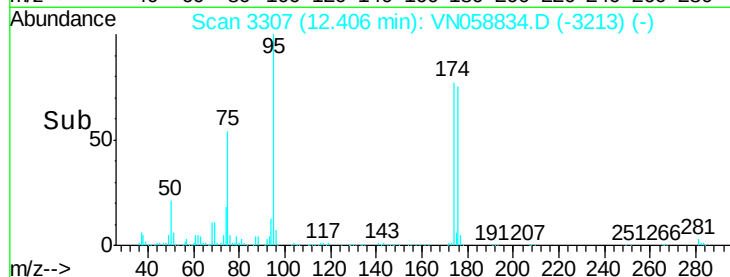
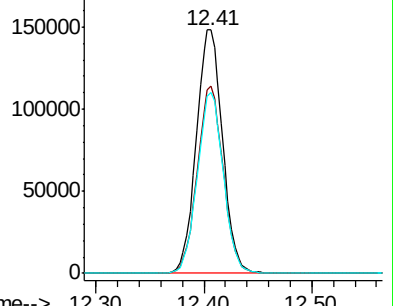
176 73.4 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058834.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058834.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058834.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

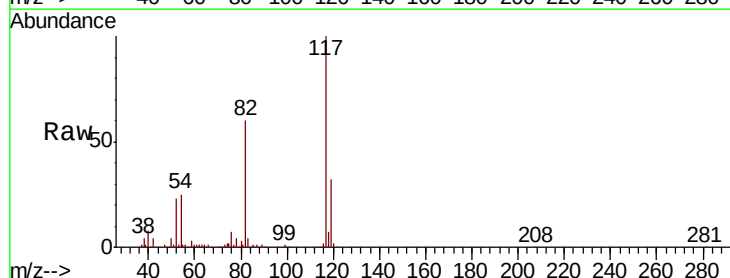
Tgt Ion: 117 Resp: 565982

Ion Ratio Lower Upper

117 100

82 59.5 47.0 70.4

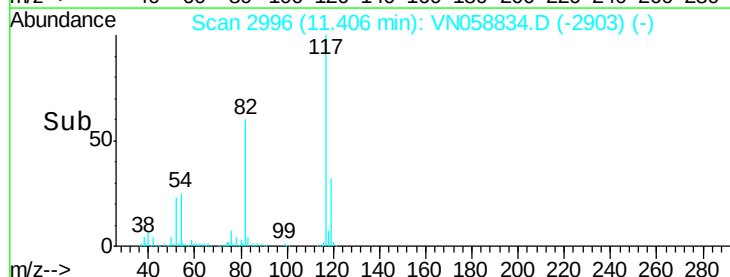
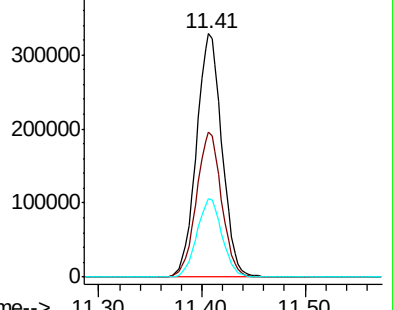
119 32.1 25.4 38.2

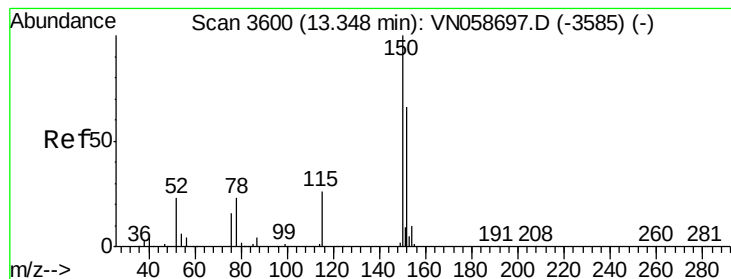


Abundance Ion 116.90 (116.60 to 117.60): VN058834.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058834.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058834.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058834.D

Acq: 17 Oct 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

T-13-V1-(24)

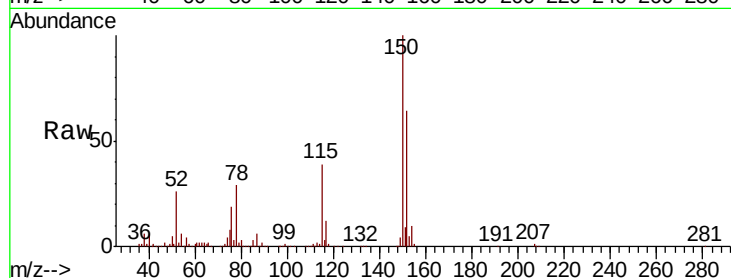
Tot Ion:152 Resp: 208383

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

150 154.8 0.0 345.4



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

