

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056876.D
 Acq On : 23 Jul 2019 14:12
 Operator : JC/SP
 Sample : K3621-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-071919

Quant Time: Jul 24 01:52:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

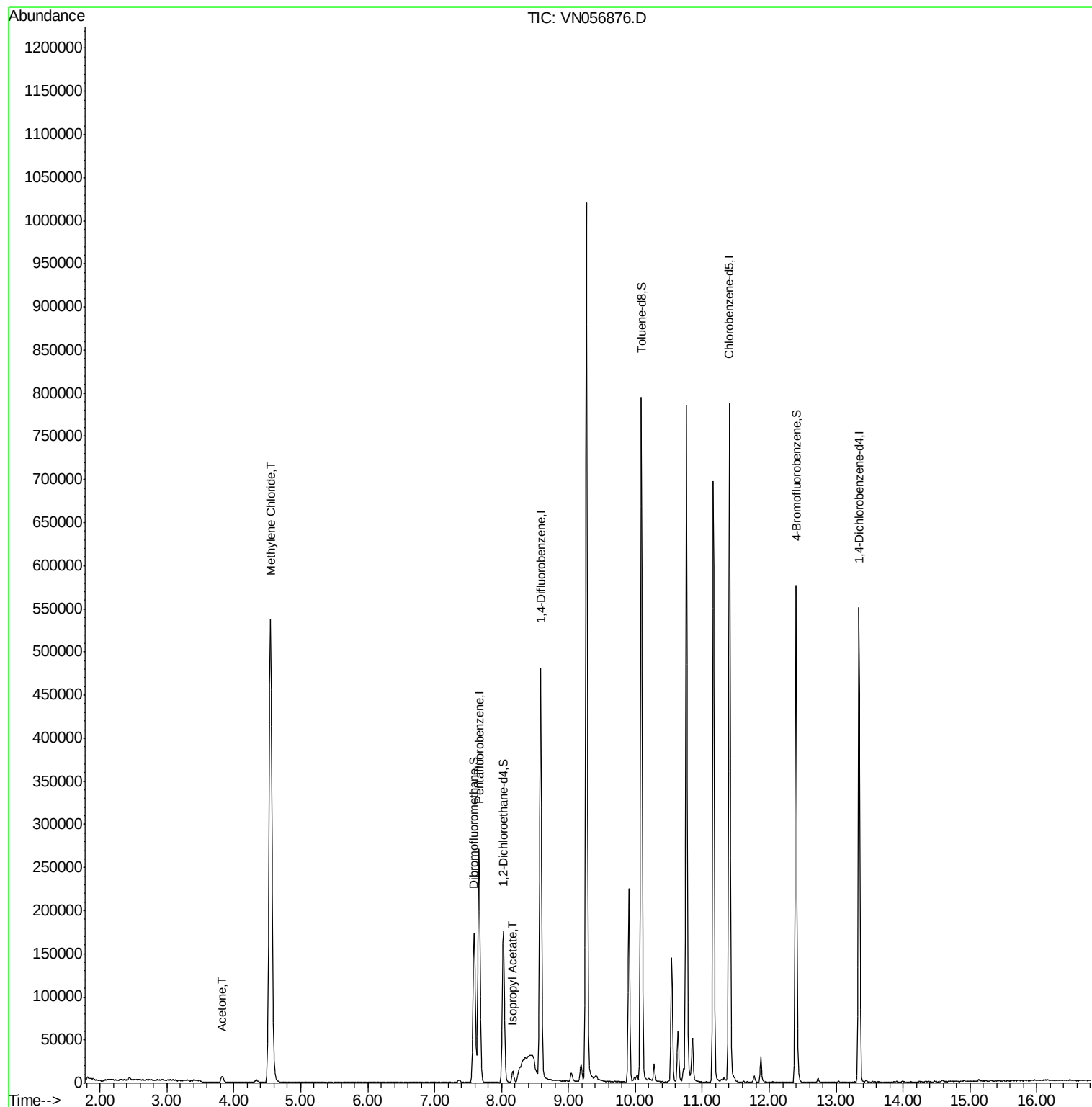
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	242351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	446638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	143837	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
35) Dibromofluoromethane	7.59	113	133282	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
50) Toluene-d8	10.09	98	574208	53.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.40	95	211266	59.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.22%	
Target Compounds						
16) Acetone	3.82	43	12377	13.296	ug/l	94
20) Methylene Chloride	4.55	84	423616	152.188	ug/l	98
43) Isopropyl Acetate	8.17	43	15954	2.794	ug/l #	93

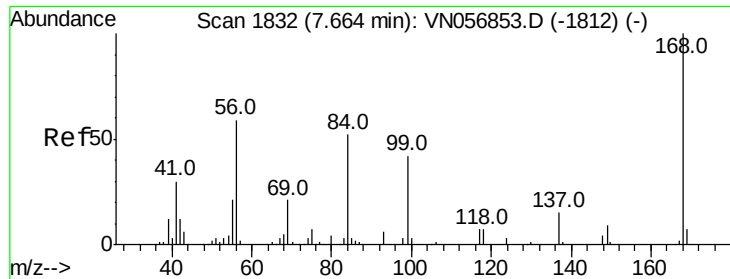
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

Instrument :

MSVOA_N

ClientSampleId :

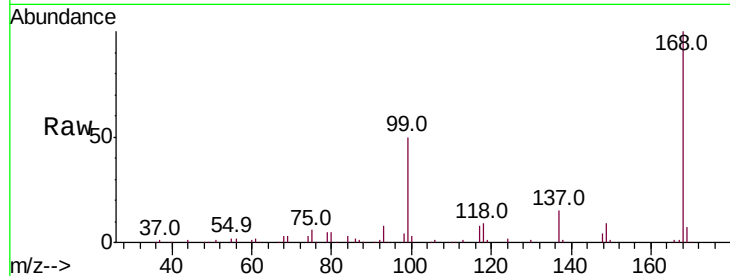
OK-02-071919

Tot Ion:168 Resp: 242351

Ion Ratio Lower Upper

168 100

99 49.6 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

100000

80000

60000

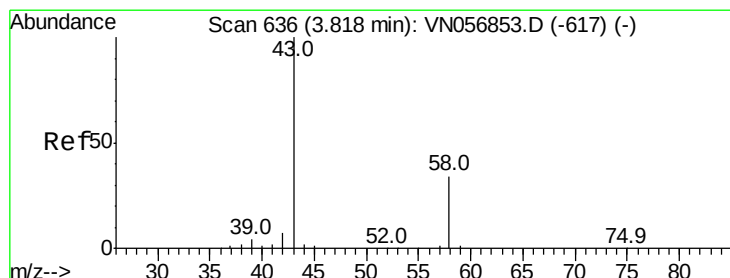
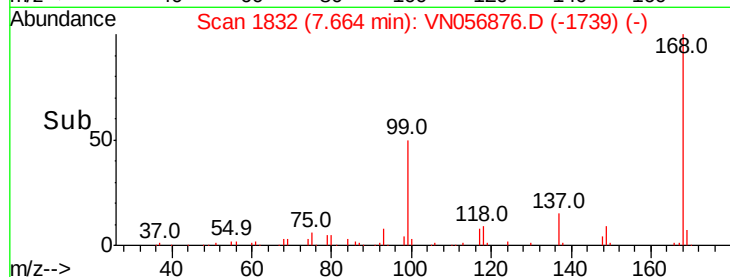
40000

20000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 13.296 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056876.D

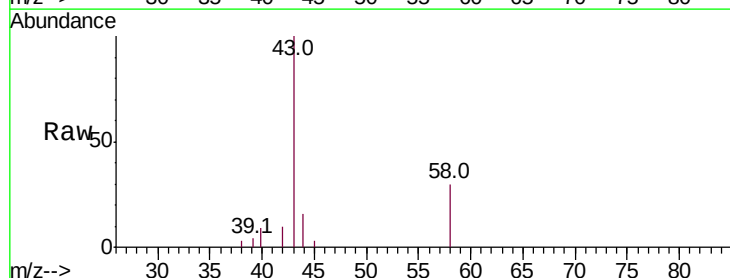
Acq: 23 Jul 2019 14:12

Tgt Ion: 43 Resp: 12377

Ion Ratio Lower Upper

43 100

58 30.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

5000

4000

3000

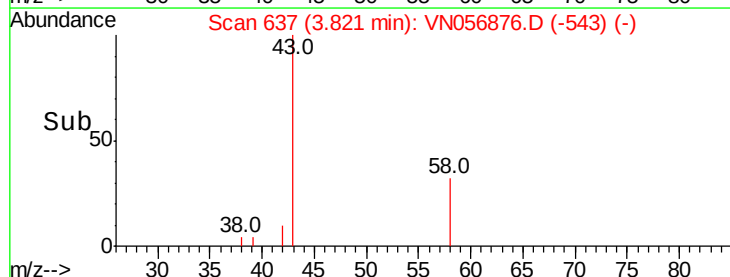
2000

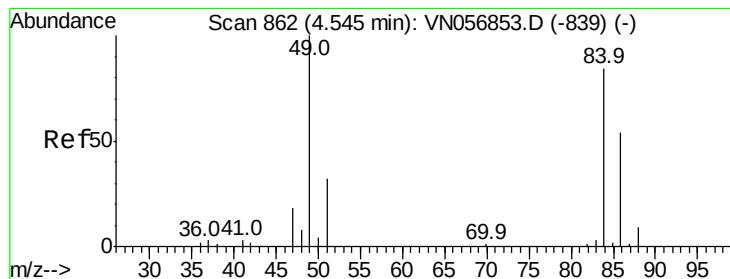
1000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 152.188 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-071919

Tot Ion: 84 Resp: 423616

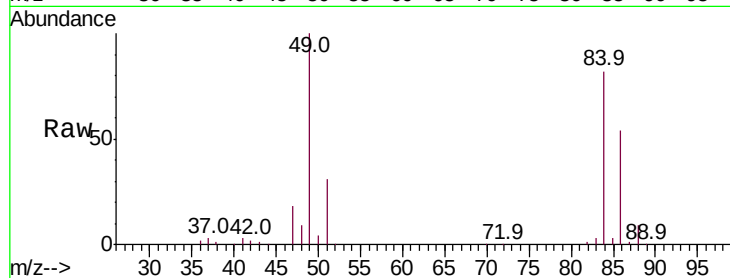
Ion Ratio Lower Upper

84 100

49 121.6 94.9 142.3

51 37.2 29.9 44.9

86 65.3 51.4 77.2

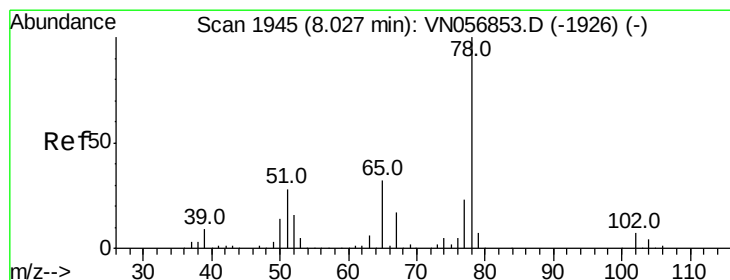
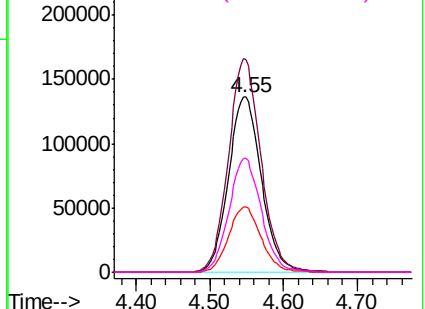
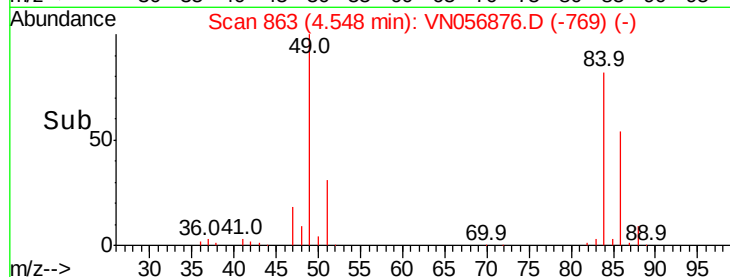


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 55.642 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056876.D

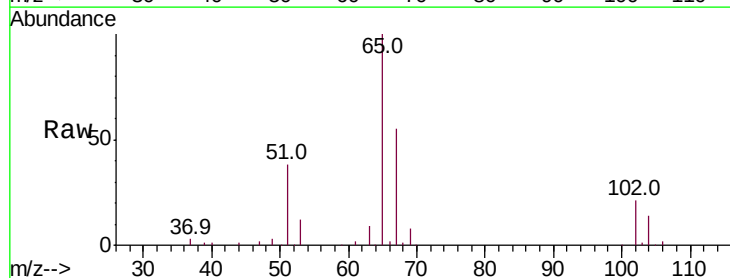
Acq: 23 Jul 2019 14:12

Tgt Ion: 65 Resp: 143837

Ion Ratio Lower Upper

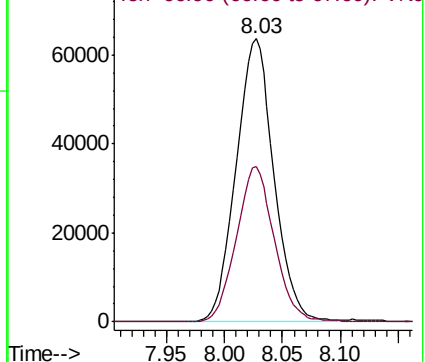
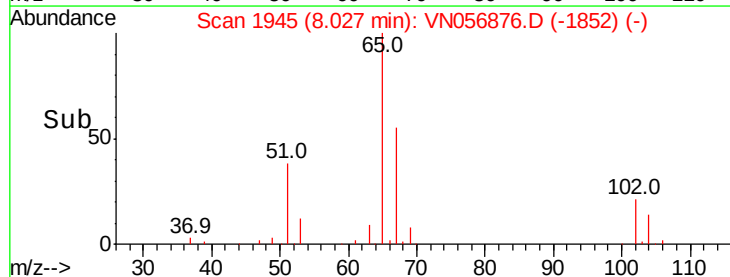
65 100

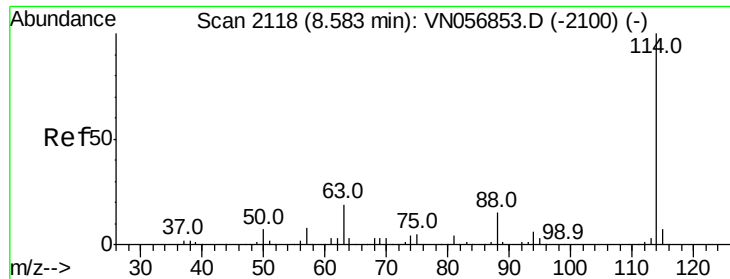
67 55.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

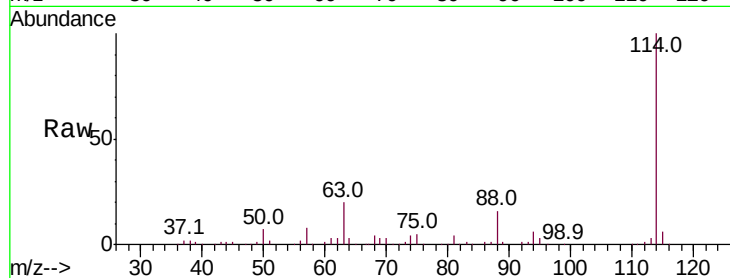




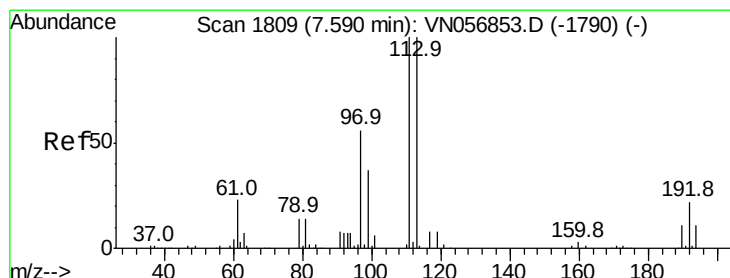
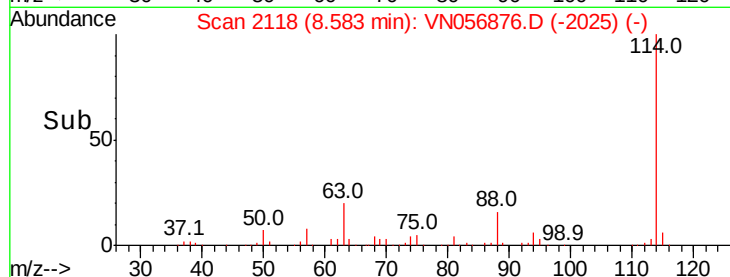
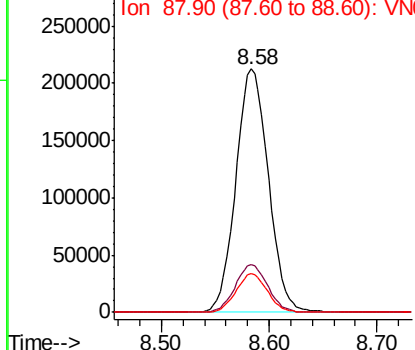
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056876.D
 Acq: 23 Jul 2019 14:12

Instrument :
 MSVOA_N
 ClientSampled :
 OK-02-071919

Tot Ion:114 Resp: 446638
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.8
 88 16.0 0.0 31.0

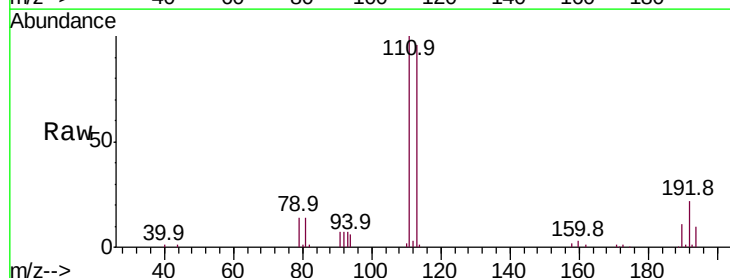


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

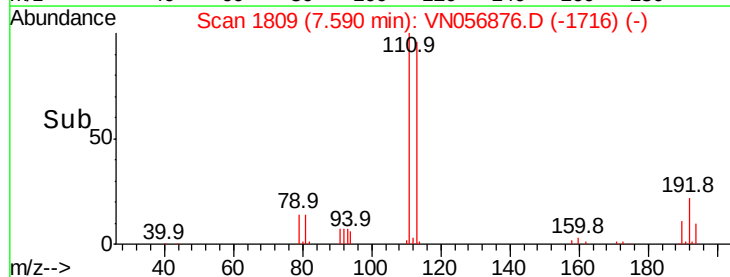
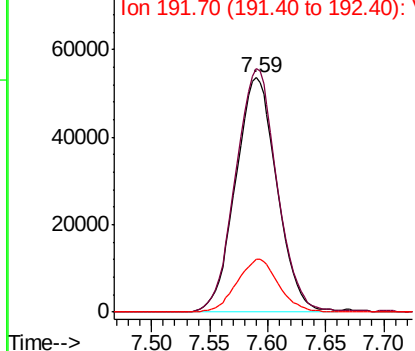


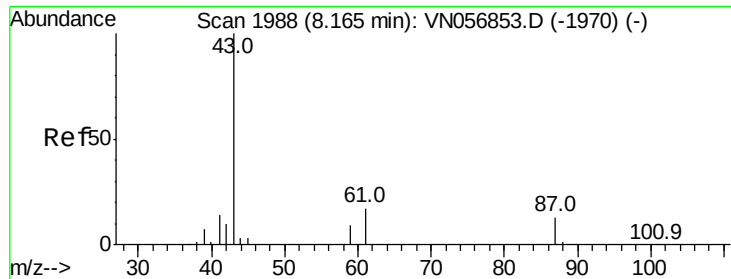
#35
 Dibromofluoromethane
 Concen: 47.080 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056876.D
 Acq: 23 Jul 2019 14:12

Tgt Ion:113 Resp: 133282
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.9 122.9
 192 22.6 18.5 27.7



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: 2.794 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

Instrument :

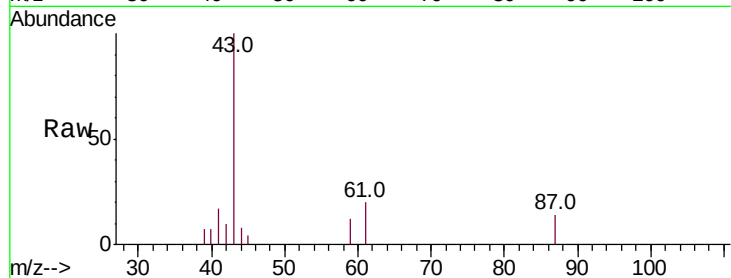
MSVOA_N

ClientSampleId :

OK-02-071919

Tot Ion: 43 Resp: 15954

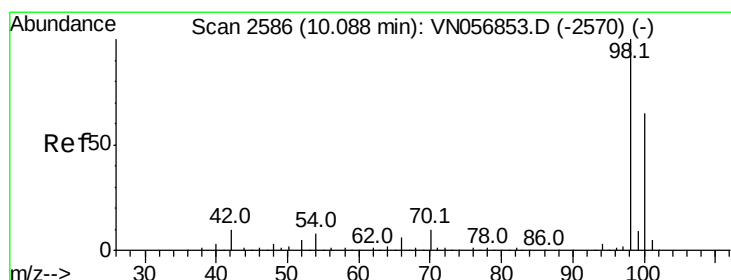
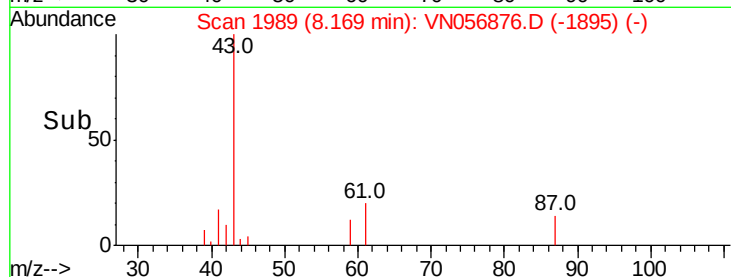
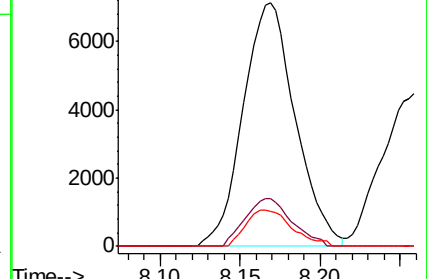
Ion	Ratio	Lower	Upper
43	100		
61	17.5	17.8	26.6#
87	13.2	11.0	16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056853.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056853.D (-1970) (-)



#50

Toluene-d8

Concen: 53.017 ug/l

RT: 10.09 min Scan# 2586

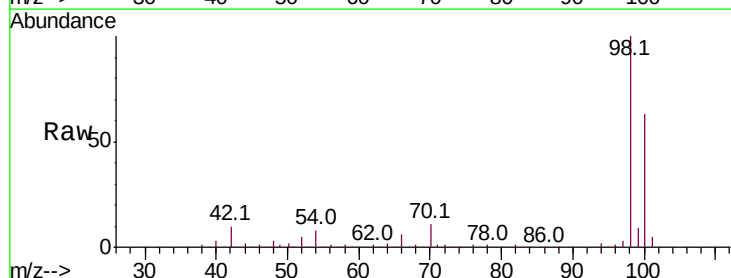
Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

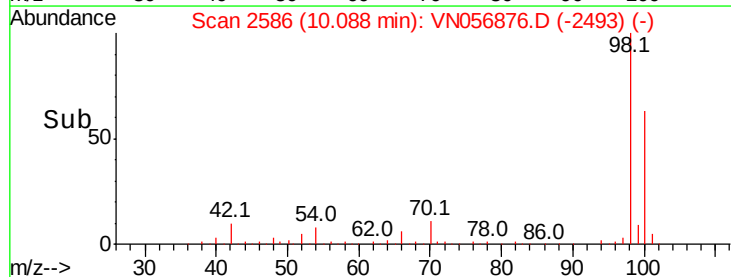
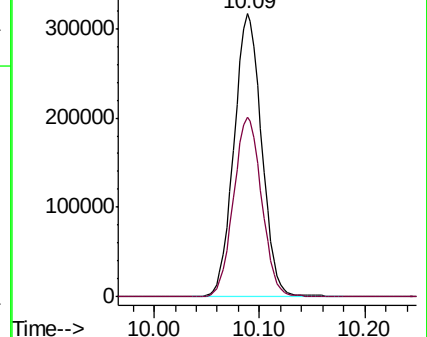
Tgt Ion: 98 Resp: 574208

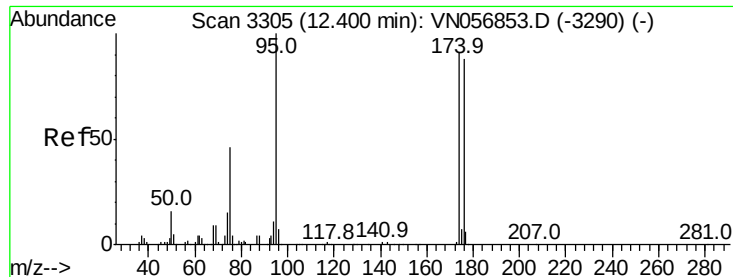
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN056853.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056853.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 59.606 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-071919

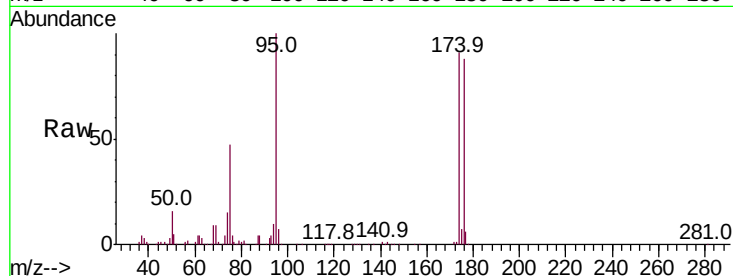
Tot Ion: 95 Resp: 211266

Ion Ratio Lower Upper

95 100

174 90.5 0.0 183.4

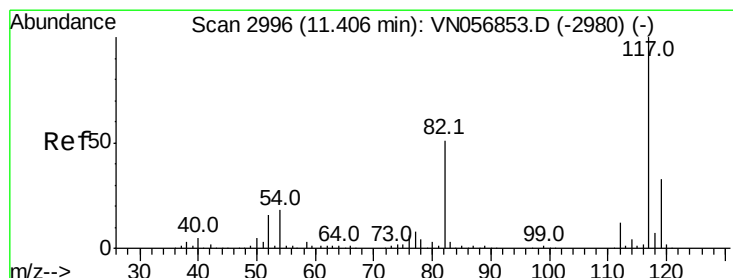
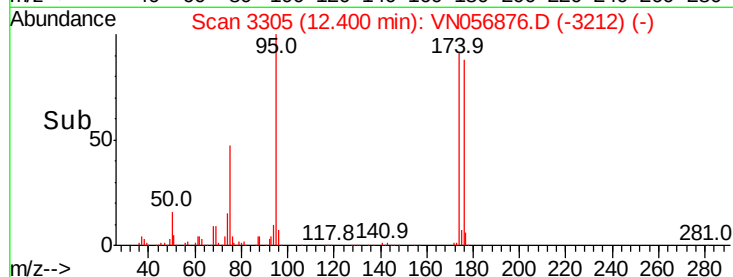
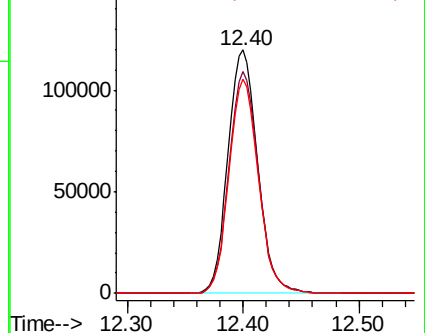
176 87.1 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

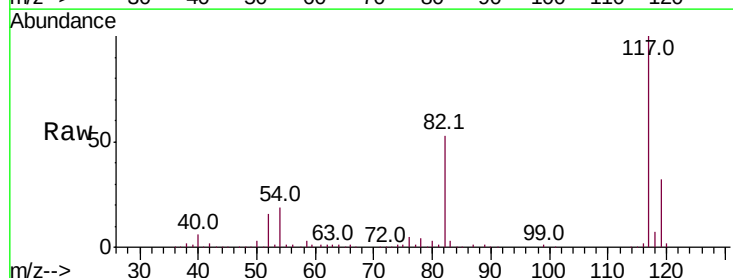
Tgt Ion: 117 Resp: 504701

Ion Ratio Lower Upper

117 100

82 52.8 41.2 61.8

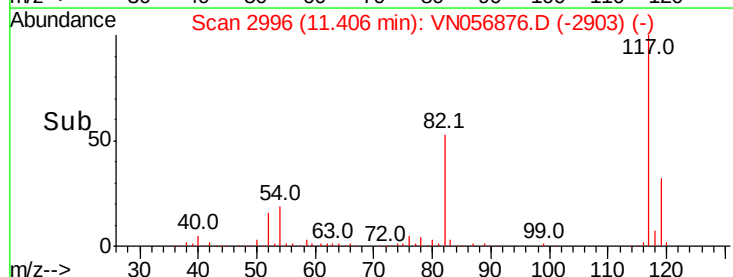
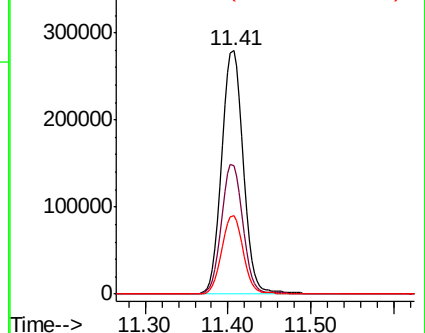
119 32.3 26.4 39.6

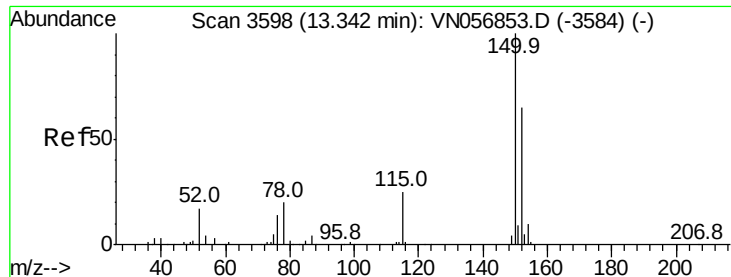


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056876.D

Acq: 23 Jul 2019 14:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-071919

Tot Ion:152 Resp: 167202

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.7

150 158.5 0.0 343.0

