

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059167.D
 Acq On : 11 Nov 2019 17:29
 Operator : JC/SP
 Sample : K5746-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1A-COMP

Quant Time: Nov 12 03:46:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

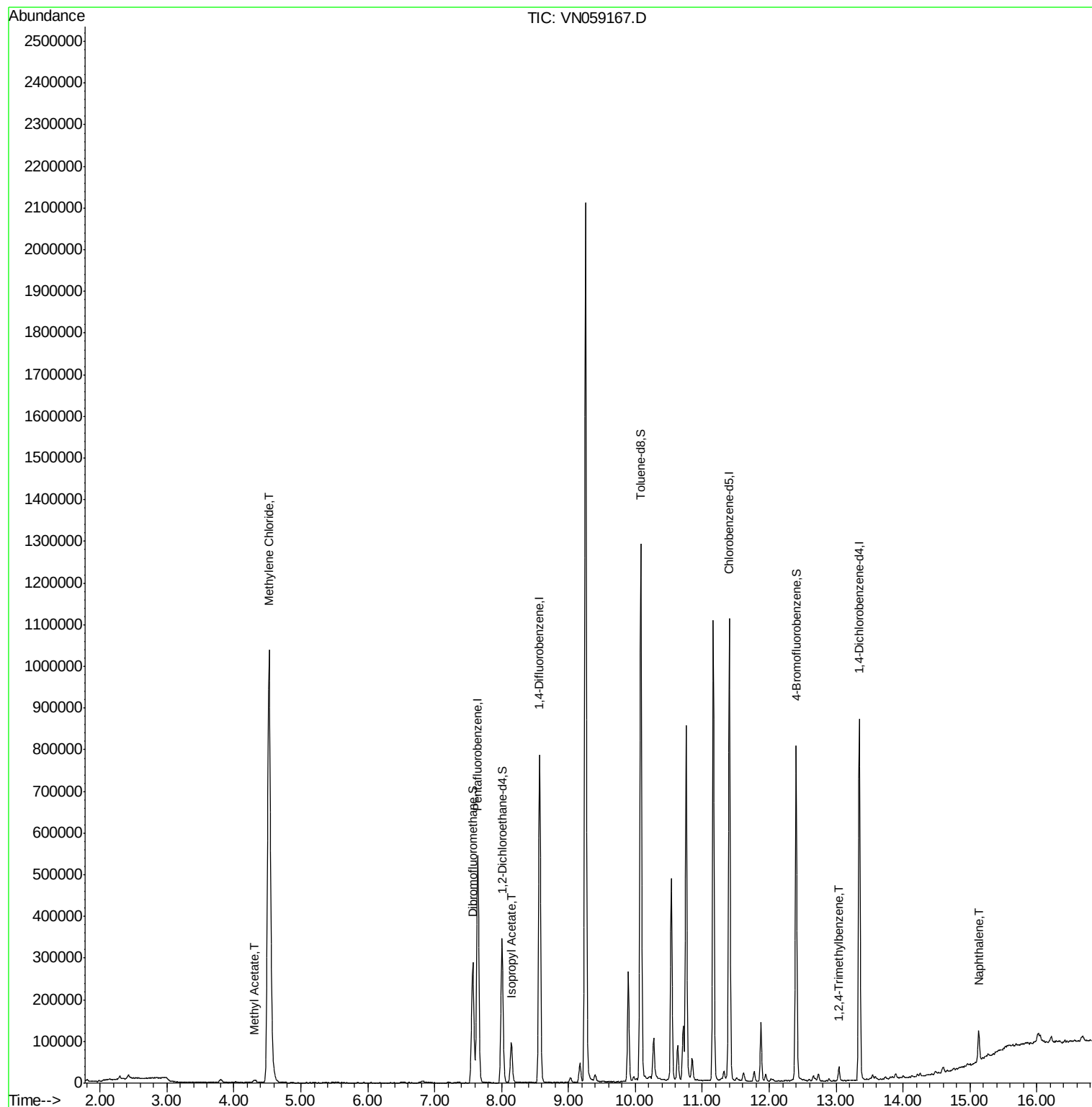
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	439326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	699060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	634726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237420	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	295906	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	
35) Dibromofluoromethane	7.57	113	224500	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
50) Toluene-d8	10.08	98	887133	53.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.40	95	285183	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.30	43	11442	1.717	ug/l #	77
20) Methylene Chloride	4.53	84	810308	165.620	ug/l	98
43) Isopropyl Acetate	8.15	43	113253	9.773	ug/l #	90
84) 1,2,4-Trimethylbenzene	13.04	105	18420	1.301	ug/l	98
95) Naphthalene	15.13	128	61173	7.714	ug/l	100

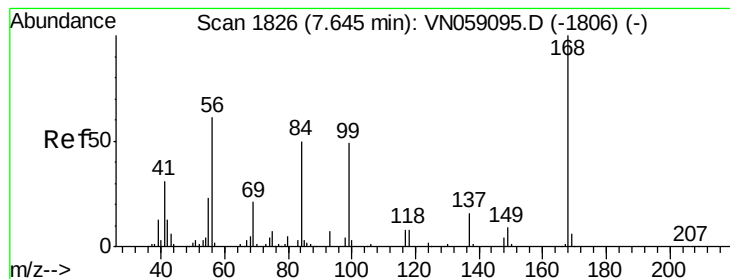
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

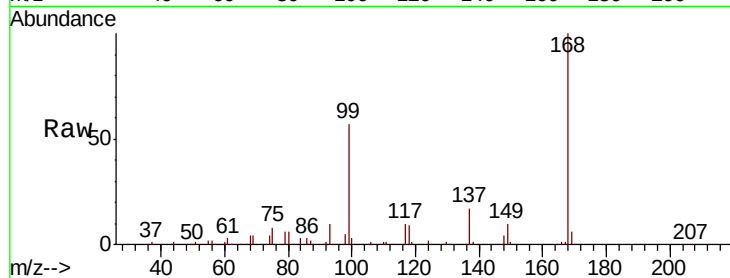
TP-1A-COMP

Tot Ion:168 Resp: 439326

Ion Ratio Lower Upper

168 100

99 56.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059167.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059167.D (-1733) (-)

7.64

200000

150000

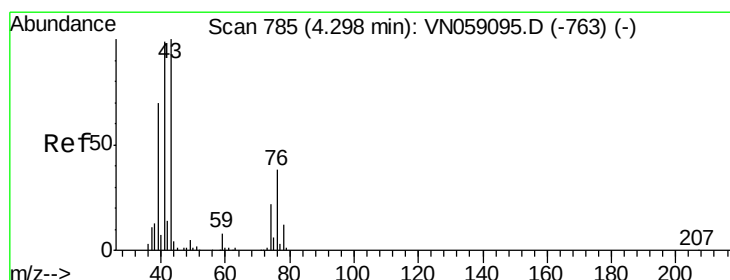
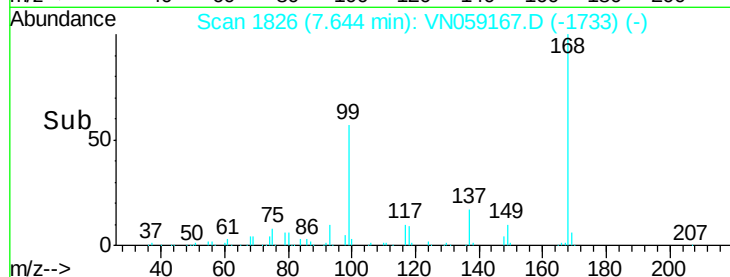
100000

50000

0

7.60 7.70

Time-->



#18

Methyl Acetate

Concen: 1.717 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN059167.D

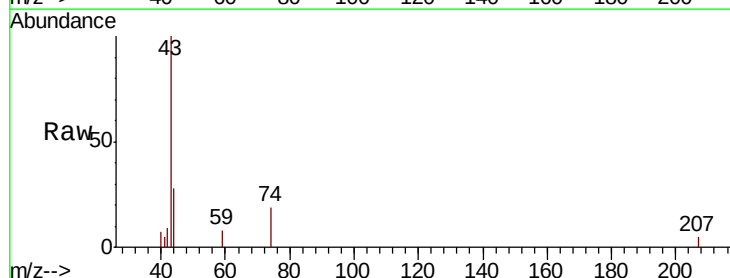
Acq: 11 Nov 2019 17:29

Tgt Ion: 43 Resp: 11442

Ion Ratio Lower Upper

43 100

74 11.2 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059167.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059167.D (-692) (-)

4.30

4000

3000

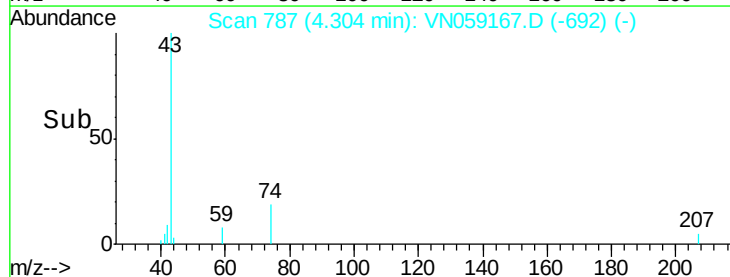
2000

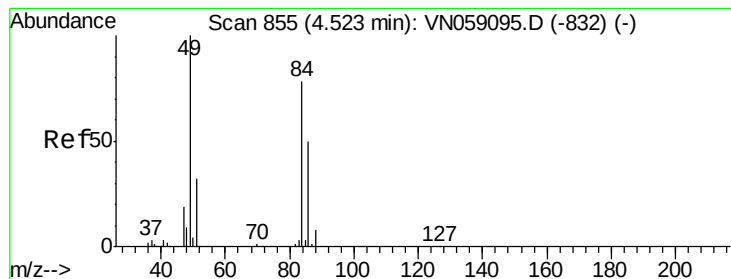
1000

0

4.25 4.30 4.35

Time-->





#20

Methylene Chloride

Concen: 165.620 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

TP-1A-COMP

Tot Ion: 84 Resp: 810308

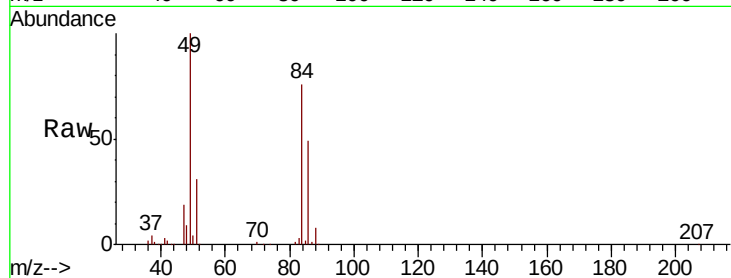
Ion Ratio Lower Upper

84 100

49 131.1 102.0 153.0

51 40.4 32.2 48.2

86 64.5 50.7 76.1

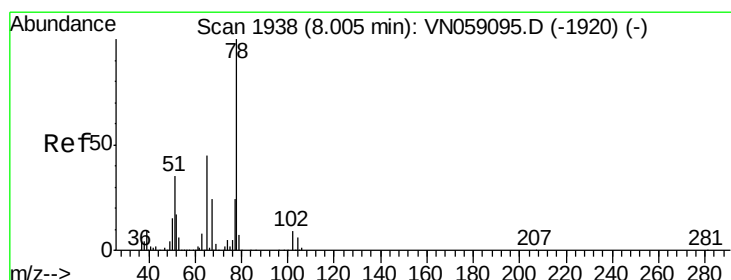
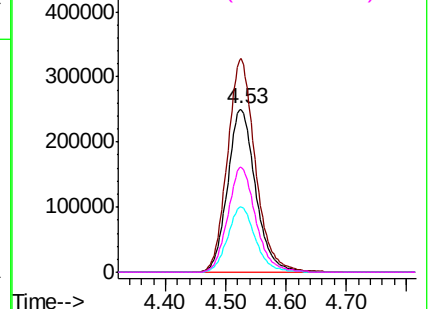
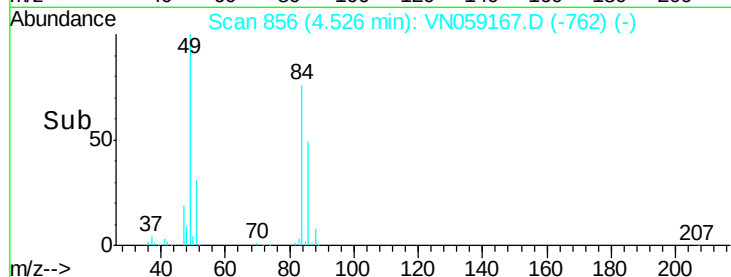


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 54.793 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059167.D

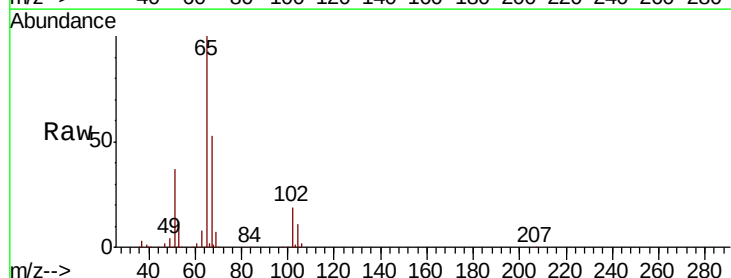
Acq: 11 Nov 2019 17:29

Tgt Ion: 65 Resp: 295906

Ion Ratio Lower Upper

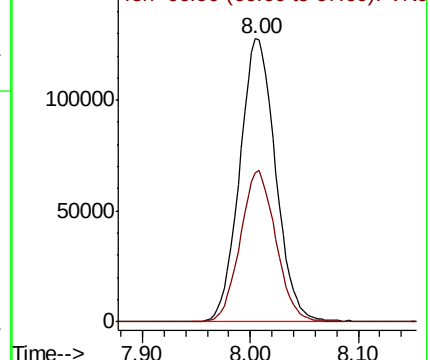
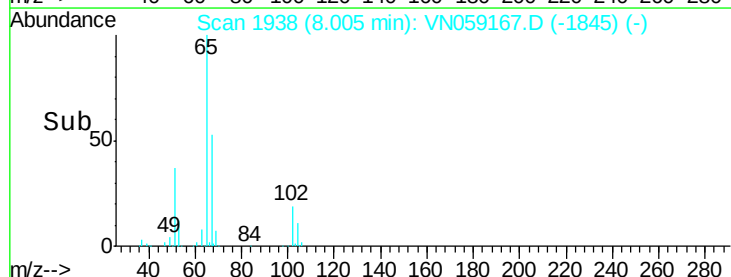
65 100

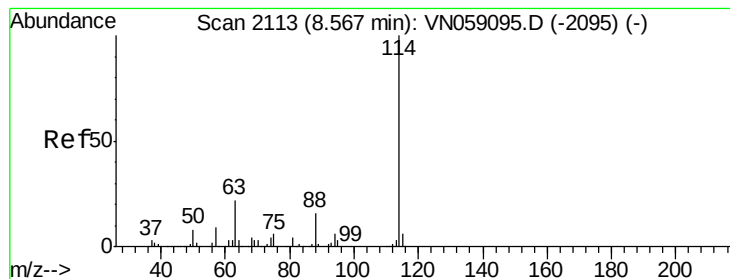
67 52.9 0.0 107.4



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# 2113

Delta R.T. -0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

TP-1A-COMP

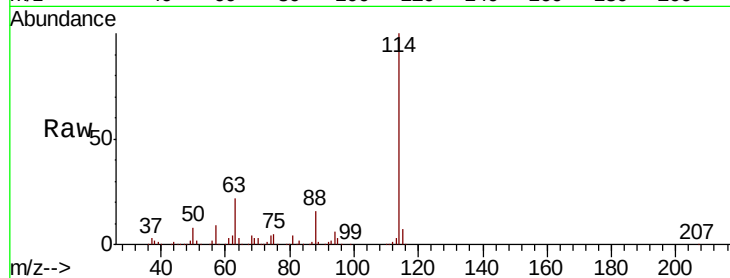
Tot Ion:114 Resp: 699060

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

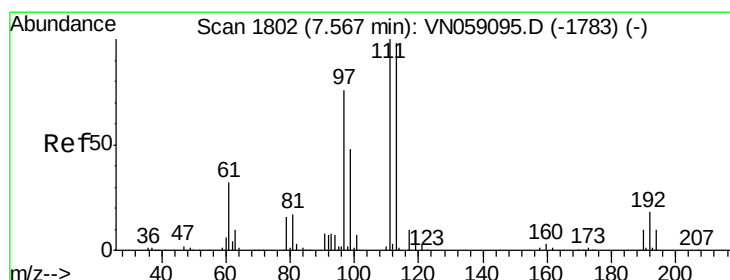
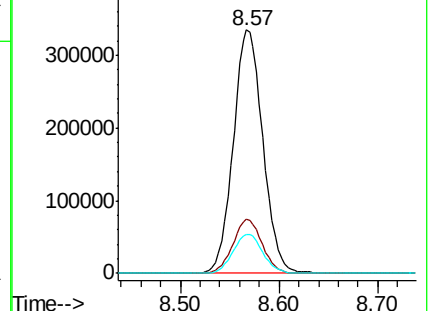
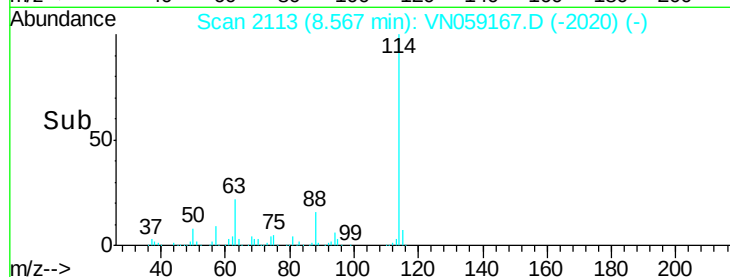
88 16.0 0.0 32.2



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: 53.784 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

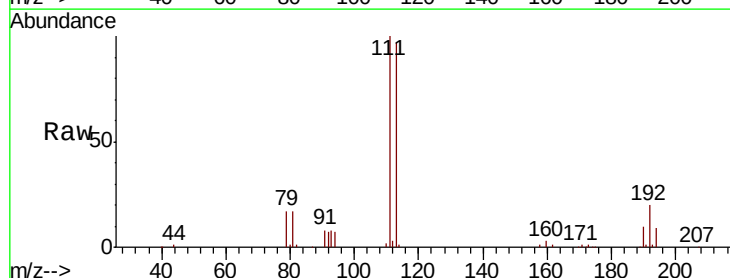
Tgt Ion:113 Resp: 224500

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

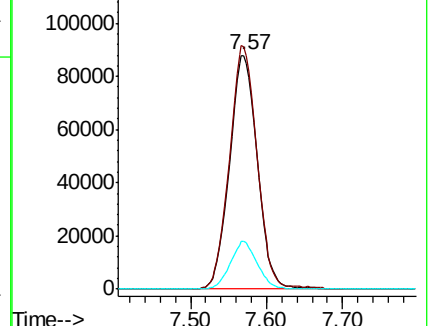
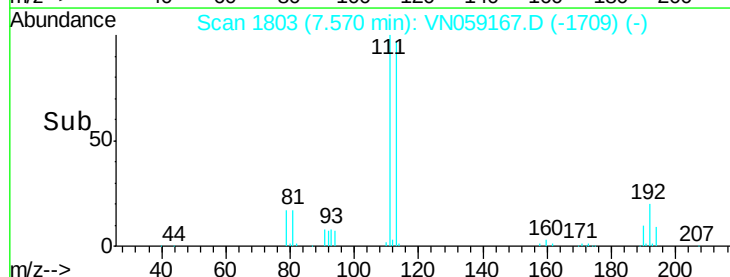
192 19.5 16.1 24.1

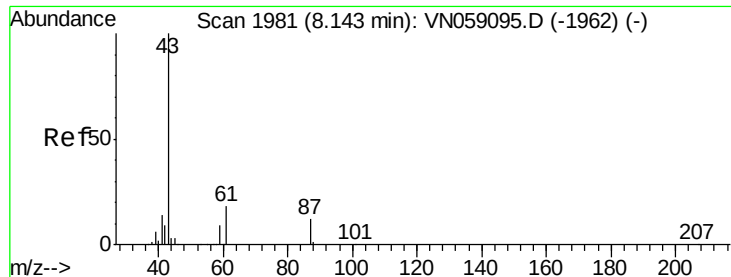


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.773 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Instrument :

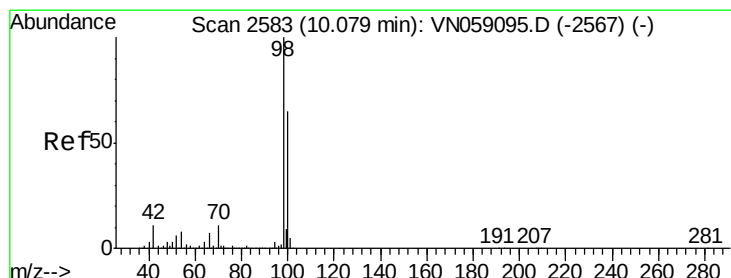
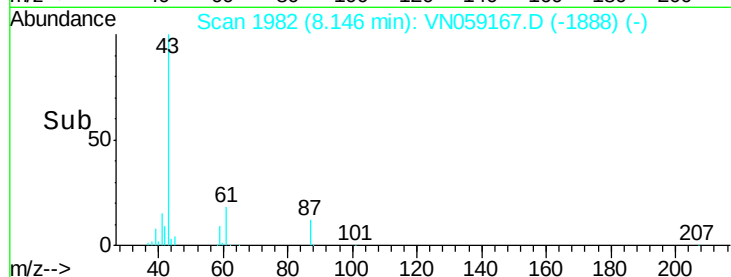
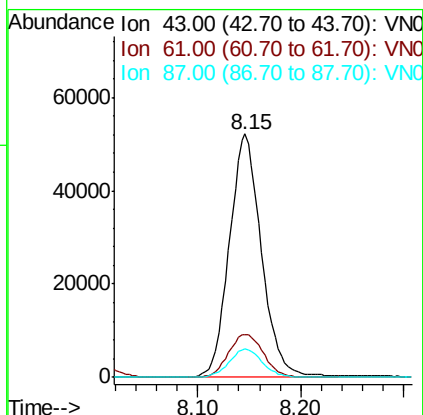
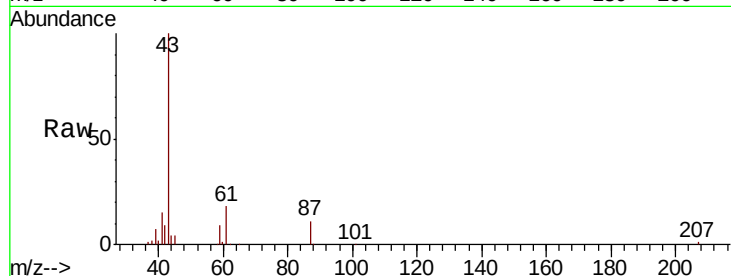
MSVOA_N

ClientSampleId :

TP-1A-COMP

Tot Ion: 43 Resp: 113253

Ion	Ratio	Lower	Upper
43	100		
61	19.1	21.0	31.6#
87	11.9	9.8	14.6



#50

Toluene-d8

Concen: 53.958 ug/l

RT: 10.08 min Scan# 2584

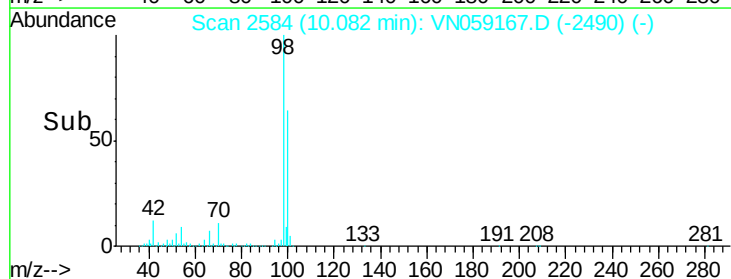
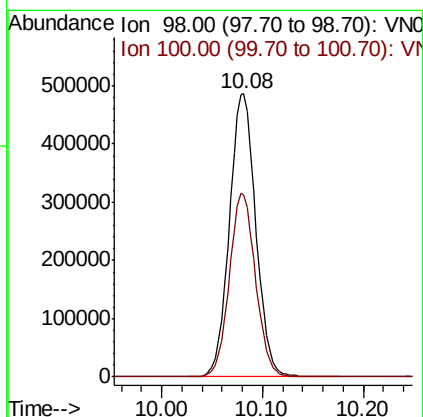
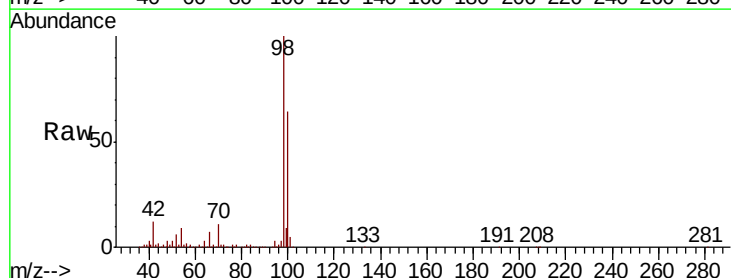
Delta R.T. 0.00 min

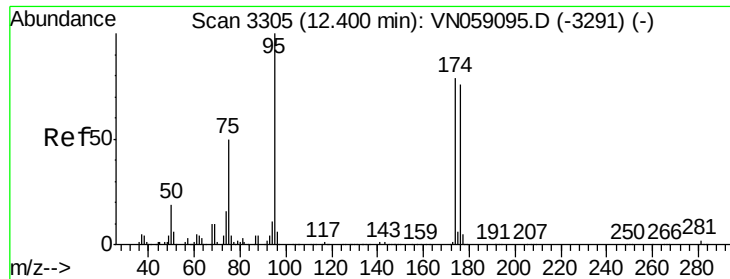
Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Tgt Ion: 98 Resp: 887133

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

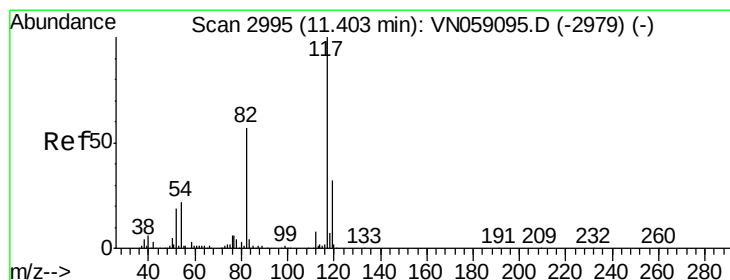
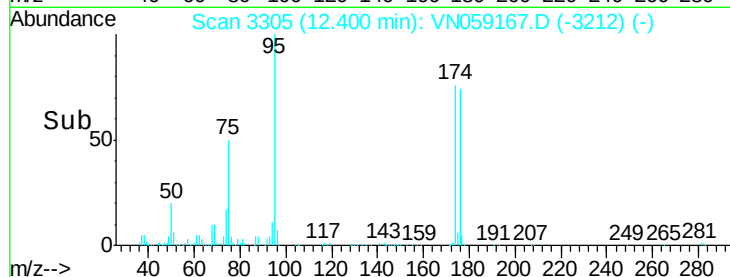
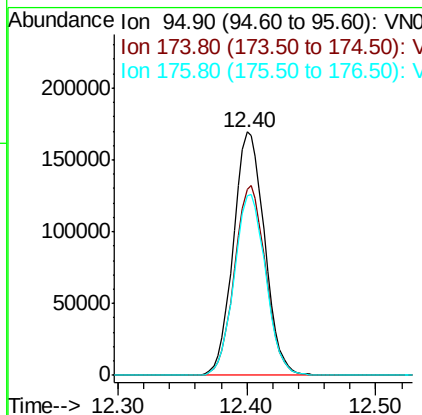
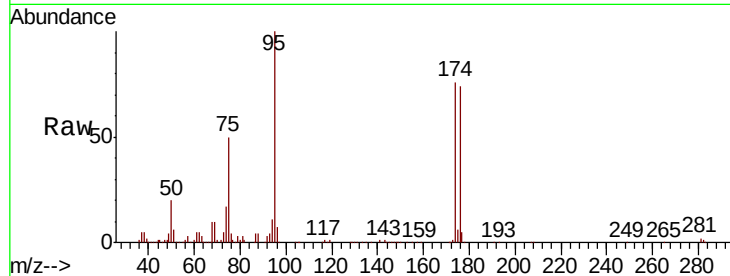




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059167.D
Acq: 11 Nov 2019 17:29

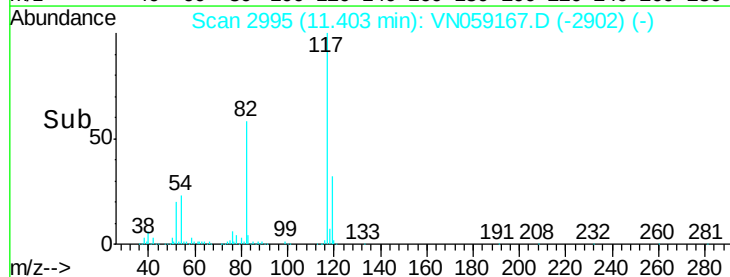
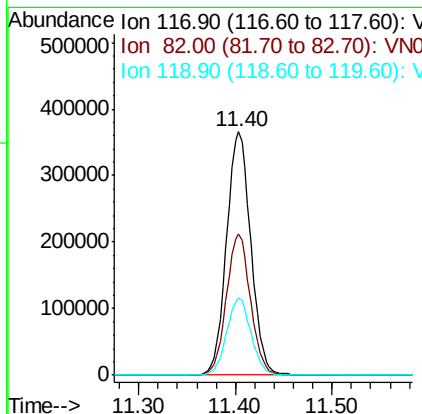
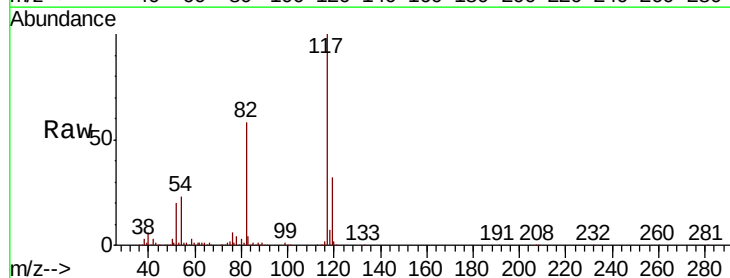
Instrument :
MSVOA_N
ClientSampleId :
TP-1A-COMP

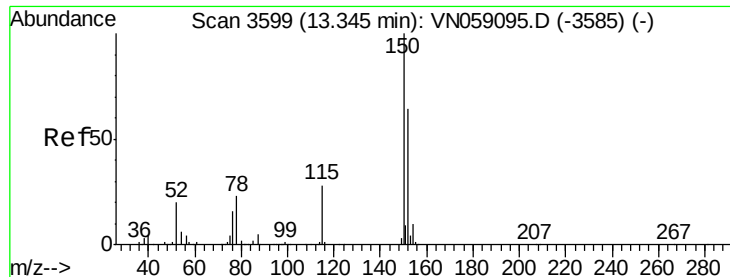
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	158.2
176	75.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059167.D
Acq: 11 Nov 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.8	68.8
119	31.9	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059167.D

Acq: 11 Nov 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

TP-1A-COMP

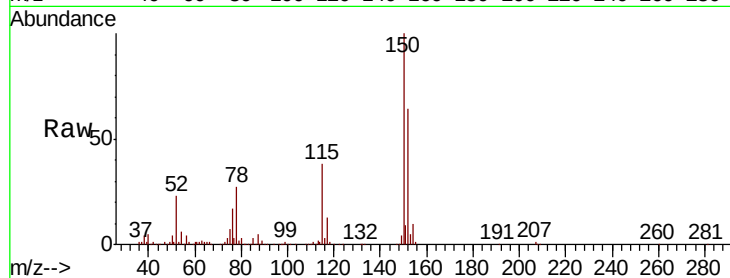
Tot Ion:152 Resp: 237420

Ion Ratio Lower Upper

152 100

115 60.0 29.4 88.2

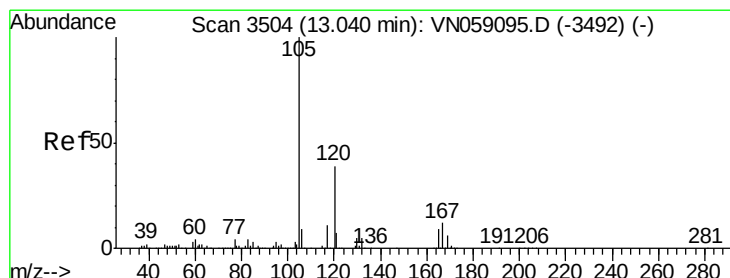
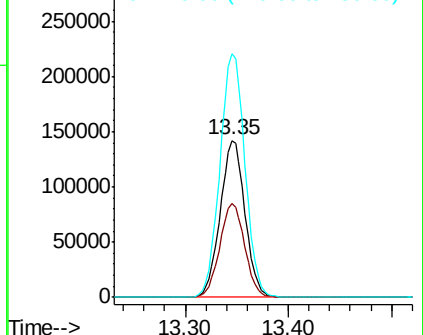
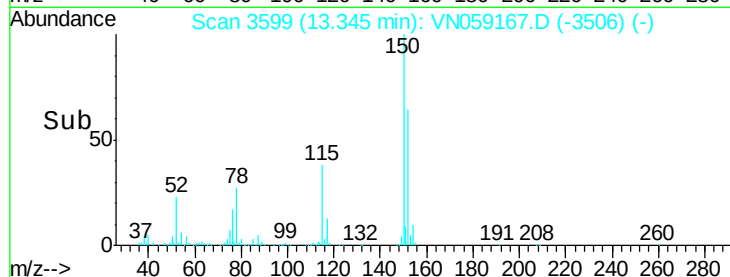
150 157.0 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.301 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059167.D

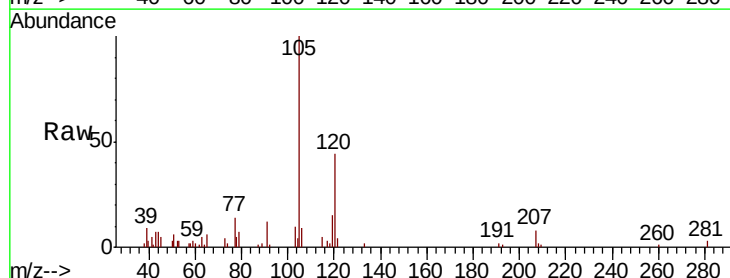
Acq: 11 Nov 2019 17:29

Tgt Ion:105 Resp: 18420

Ion Ratio Lower Upper

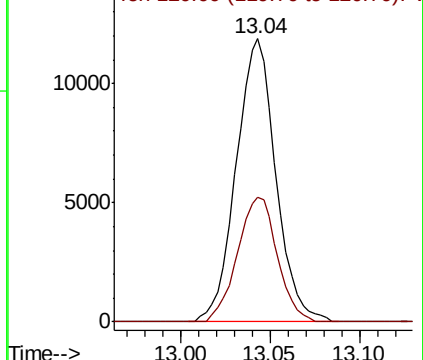
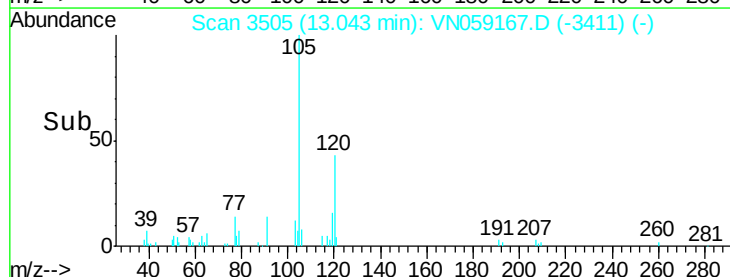
105 100

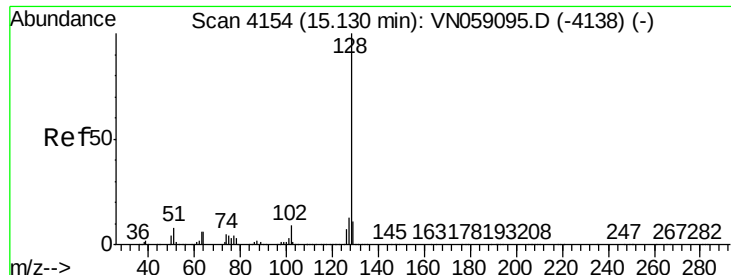
120 44.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 7.714 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059167.D

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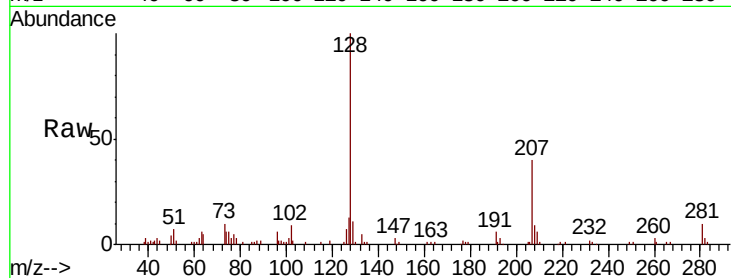
Tot Ion:128 Resp: 61173

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

