

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064967.D
 Acq On : 8 Dec 2020 14:13
 Operator : JC/MD
 Sample : PB133456ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#04

Quant Time: Dec 09 07:14:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	321569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108737	54.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	108.18%		
35) Dibromofluoromethane	7.55	113	101073	52.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.06%		
50) Toluene-d8	10.06	98	405258	51.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.10%		
62) 4-Bromofluorobenzene	12.38	95	154144	54.78	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.56%		

Target Compounds

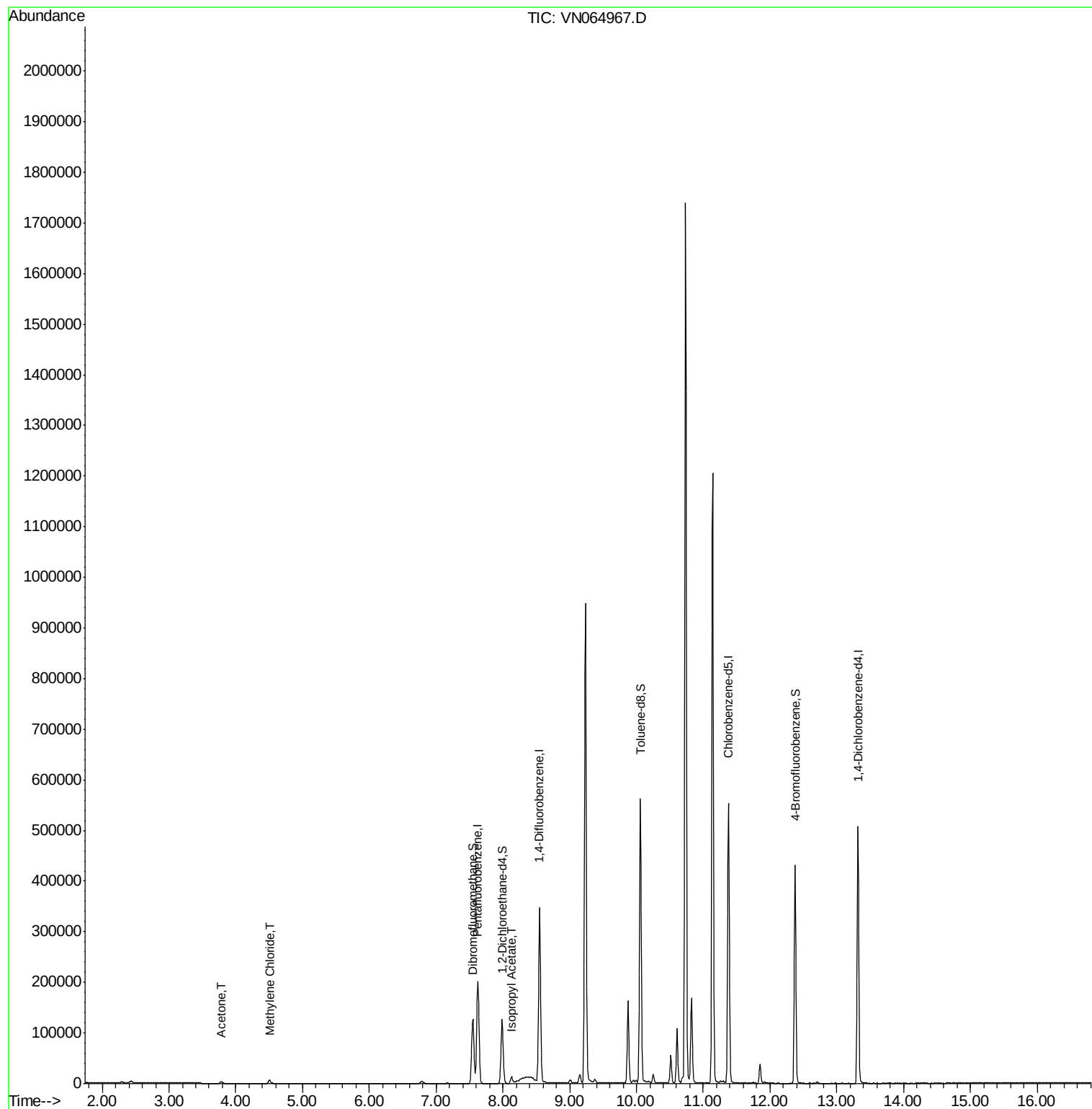
					Qvalue
16) Acetone	3.78	43	5692	8.613 ug/l	92
20) Methylene Chloride	4.51	84	4924	2.378 ug/l	94
43) Isopropyl Acetate	8.13	43	16813	3.639 ug/l	95

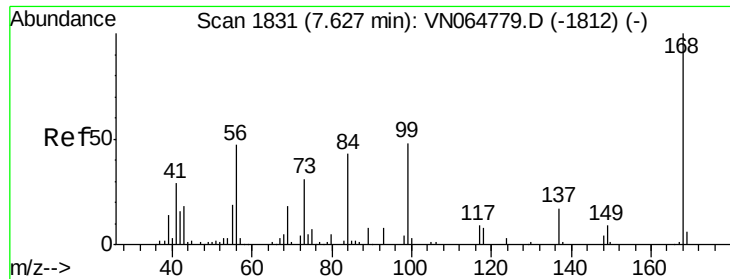
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN064967.D

Acq: 8 Dec 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

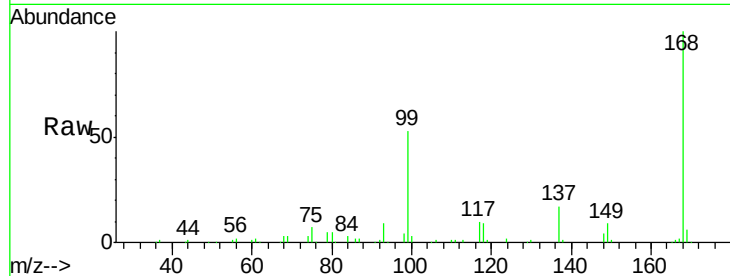
PB133456ZHE#04

Tot Ion:168 Resp: 172919

Ion Ratio Lower Upper

168 100

99 53.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

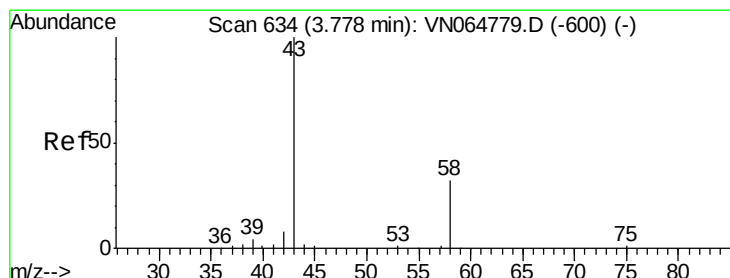
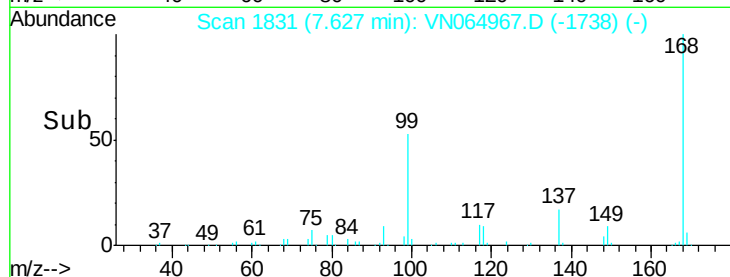
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 8.613 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064967.D

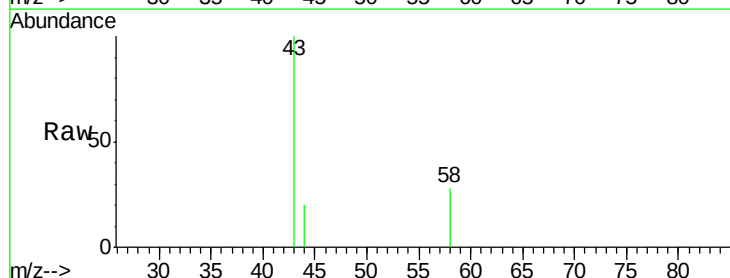
Acq: 8 Dec 2020 14:13

Tgt Ion: 43 Resp: 5692

Ion Ratio Lower Upper

43 100

58 27.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2500

2000

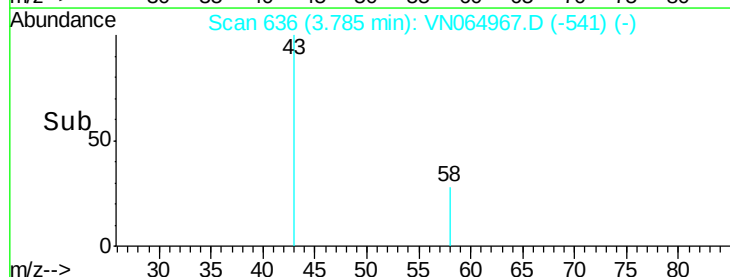
1500

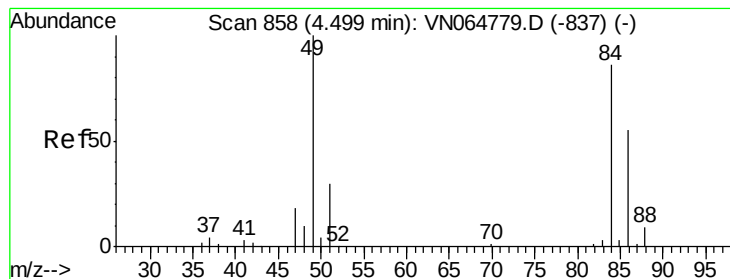
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 2.378 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN064967.D

Acq: 8 Dec 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#04

Tot Ion: 84 Resp: 4924

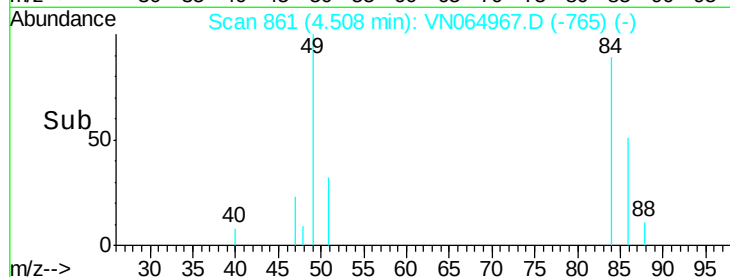
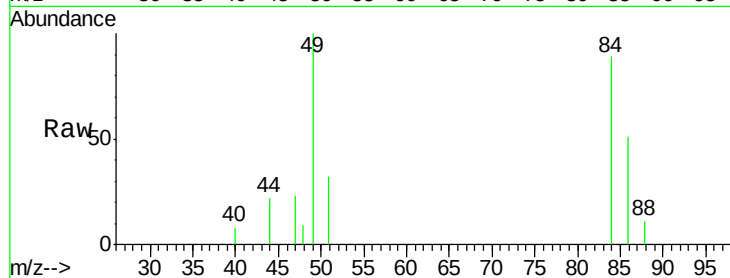
Ion Ratio Lower Upper

84 100

49 111.9 93.4 140.0

51 36.0 28.2 42.4

86 56.6 51.7 77.5

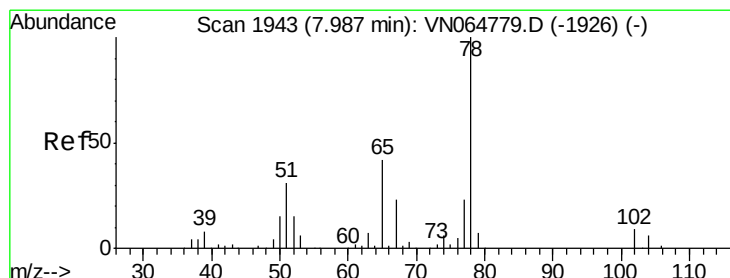
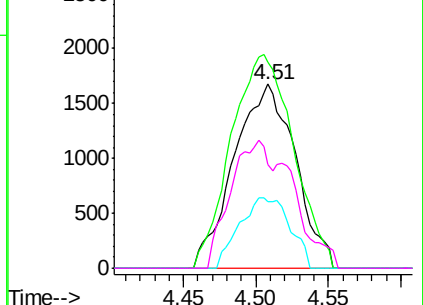


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 54.090 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064967.D

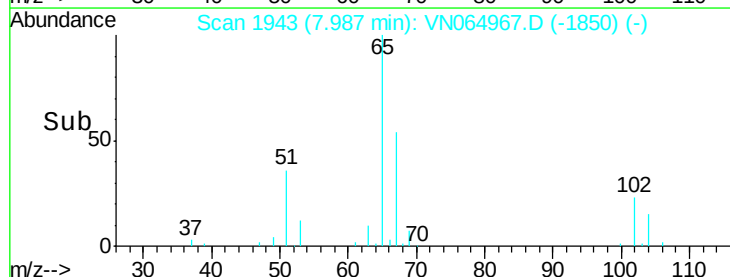
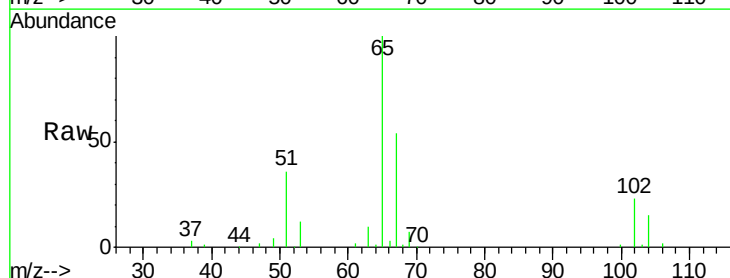
Acq: 8 Dec 2020 14:13

Tgt Ion: 65 Resp: 108737

Ion Ratio Lower Upper

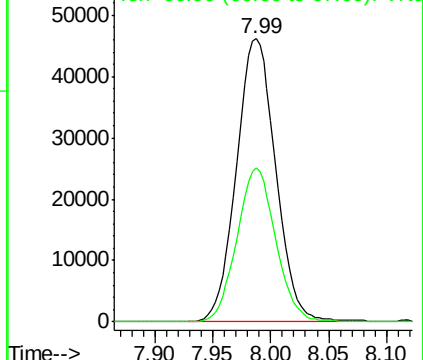
65 100

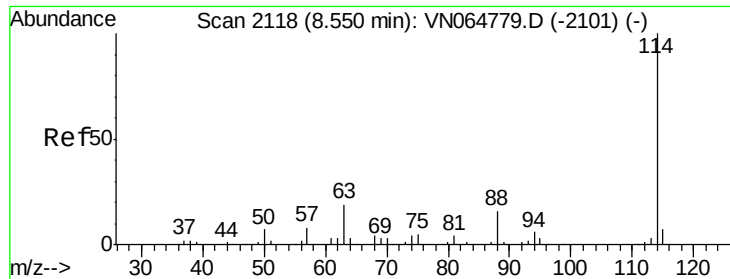
67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

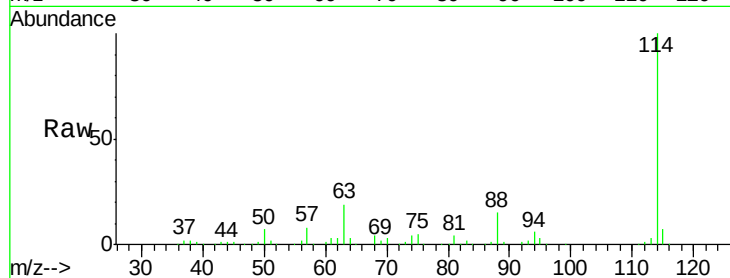




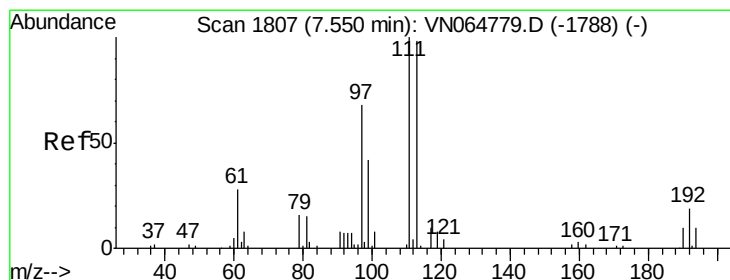
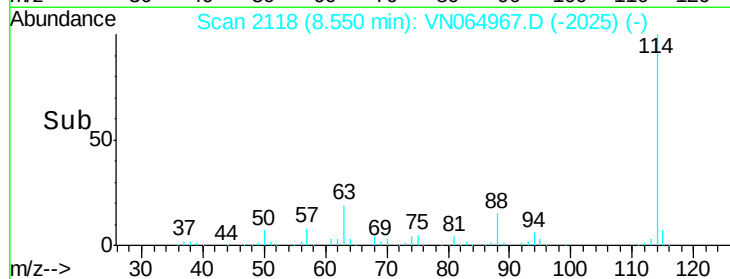
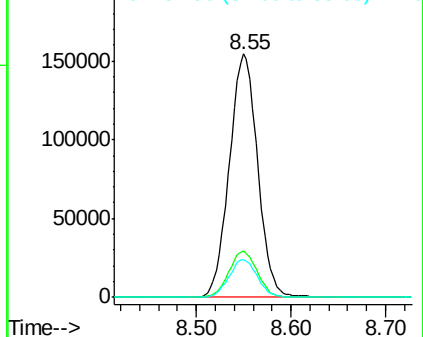
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064967.D
Acq: 8 Dec 2020 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB133456ZHE#04

Tot Ion:114 Resp: 321569
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.4 0.0 32.6

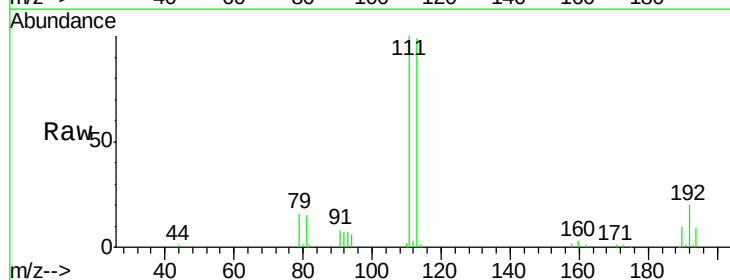


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

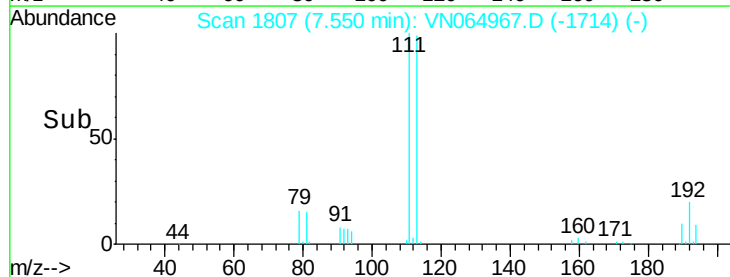
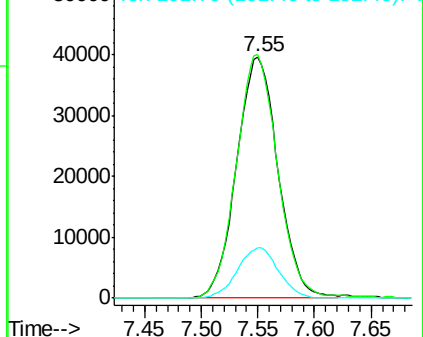


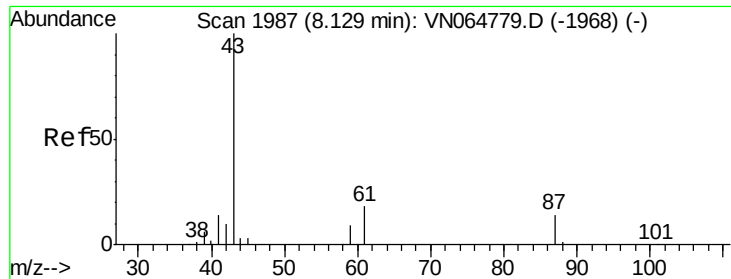
#35
Dibromofluoromethane
Concen: 52.528 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN064967.D
Acq: 8 Dec 2020 14:13

Tgt Ion:113 Resp: 101073
Ion Ratio Lower Upper
113 100
111 100.2 81.6 122.4
192 20.5 16.2 24.2



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: 3.639 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064967.D

Acq: 8 Dec 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#04

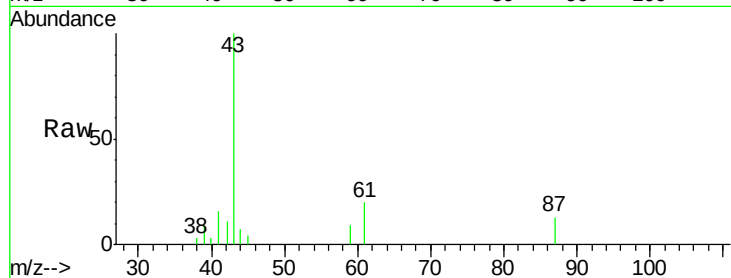
Tot Ion: 43 Resp: 16813

Ion Ratio Lower Upper

43 100

61 19.0 17.2 25.8

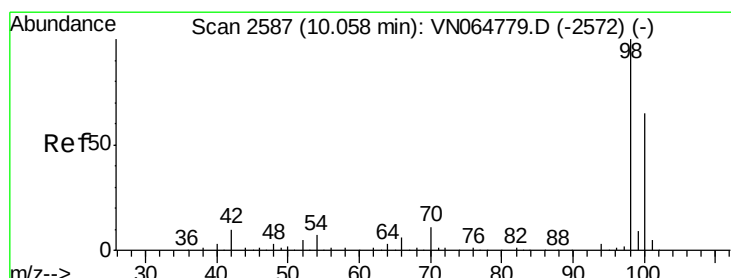
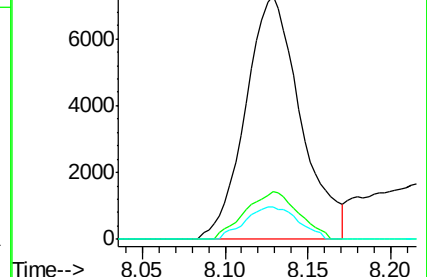
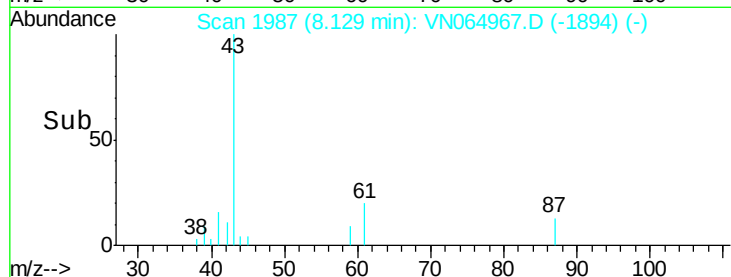
87 12.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064967.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN064967.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN064967.D (-1894) (-)



#50

Toluene-d8

Concen: 51.546 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064967.D

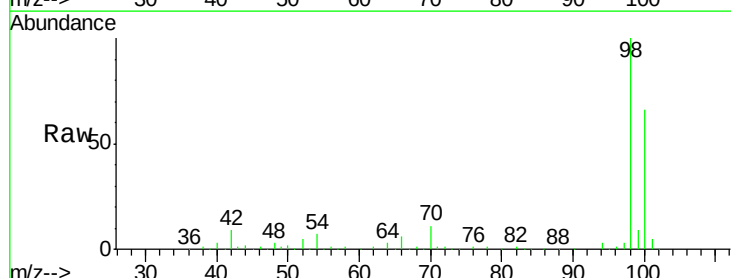
Acq: 8 Dec 2020 14:13

Tgt Ion: 98 Resp: 405258

Ion Ratio Lower Upper

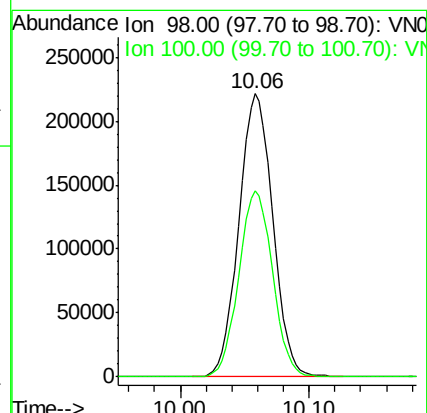
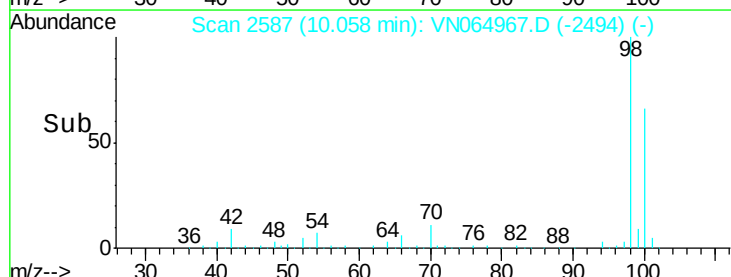
98 100

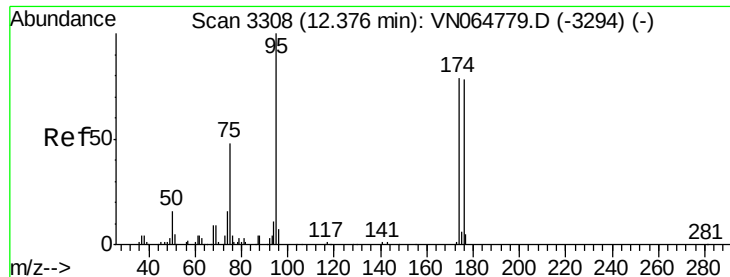
100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064967.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064967.D (-2494) (-)

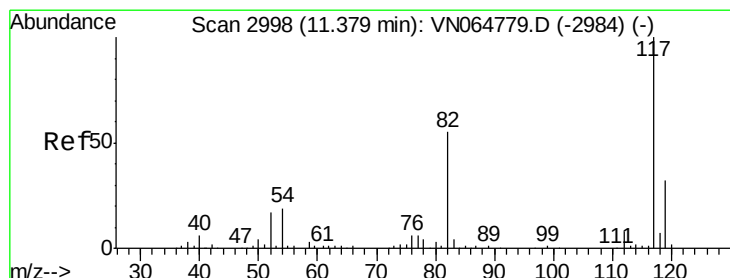
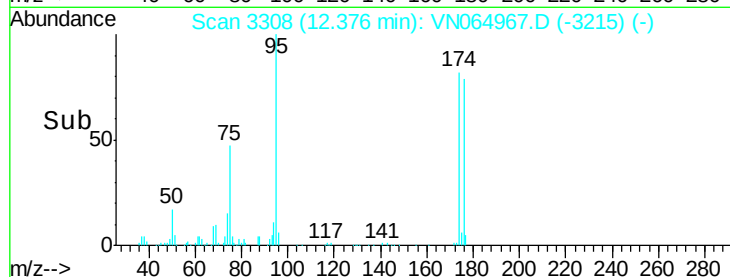
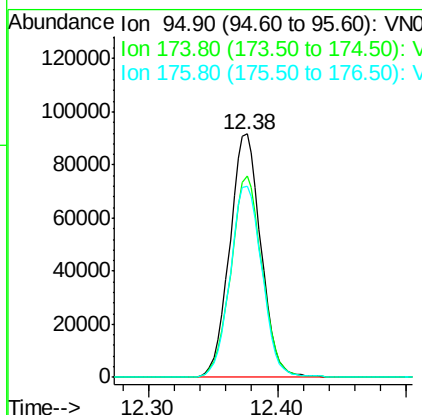
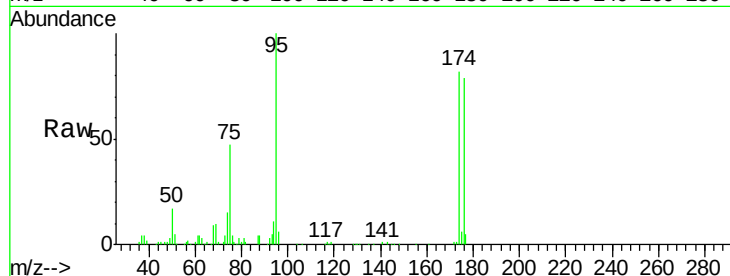




#62
 4-Bromofluorobenzene
 Concen: 54.784 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064967.D
 Acq: 8 Dec 2020 14:13

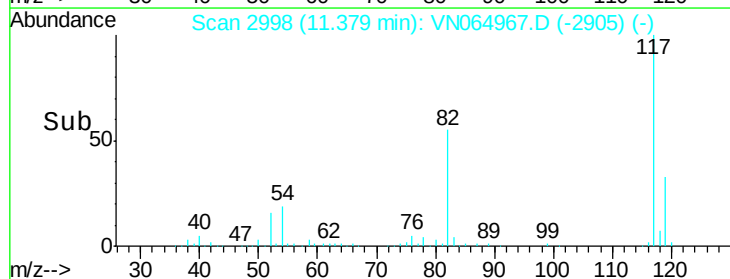
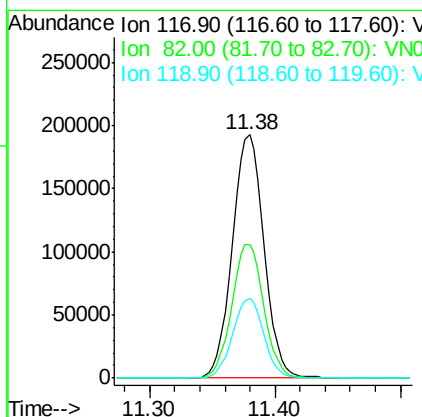
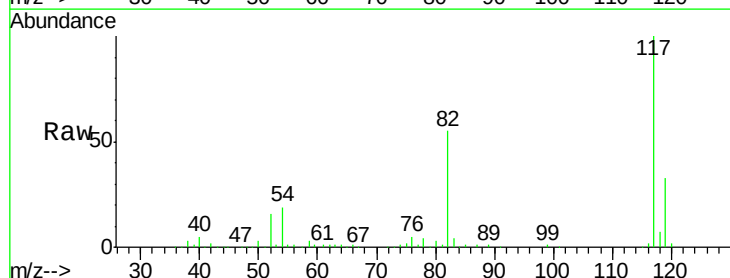
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#04

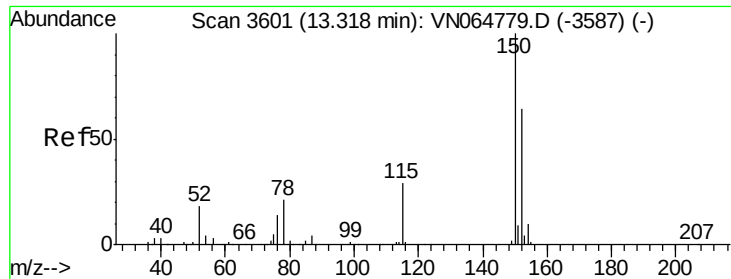
Tot Ion: 95 Resp: 154144
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 160.4
 176 80.2 0.0 158.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. -0.00 min
 Lab File: VN064967.D
 Acq: 8 Dec 2020 14:13

Tgt Ion: 117 Resp: 338395
 Ion Ratio Lower Upper
 117 100
 82 54.9 44.2 66.2
 119 32.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN064967.D

Acq: 8 Dec 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#04

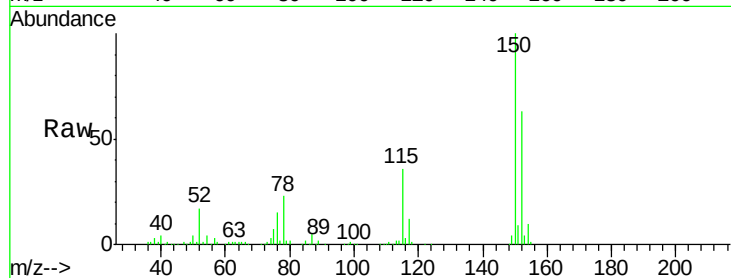
Tot Ion:152 Resp: 143931

Ion Ratio Lower Upper

152 100

115 58.8 29.7 89.1

150 158.9 0.0 350.6



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

