

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065056.D
 Acq On : 10 Dec 2020 20:56
 Operator : JC/MD
 Sample : PB133501ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#04

Quant Time: Dec 11 04:25:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	160658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	300186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	332581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107430	56.16	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	112.32%		
35) Dibromofluoromethane	7.55	113	96992	48.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.68%		
50) Toluene-d8	10.06	98	388736	51.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.04%		
62) 4-Bromofluorobenzene	12.38	95	143398	54.91	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.82%		

Target Compounds

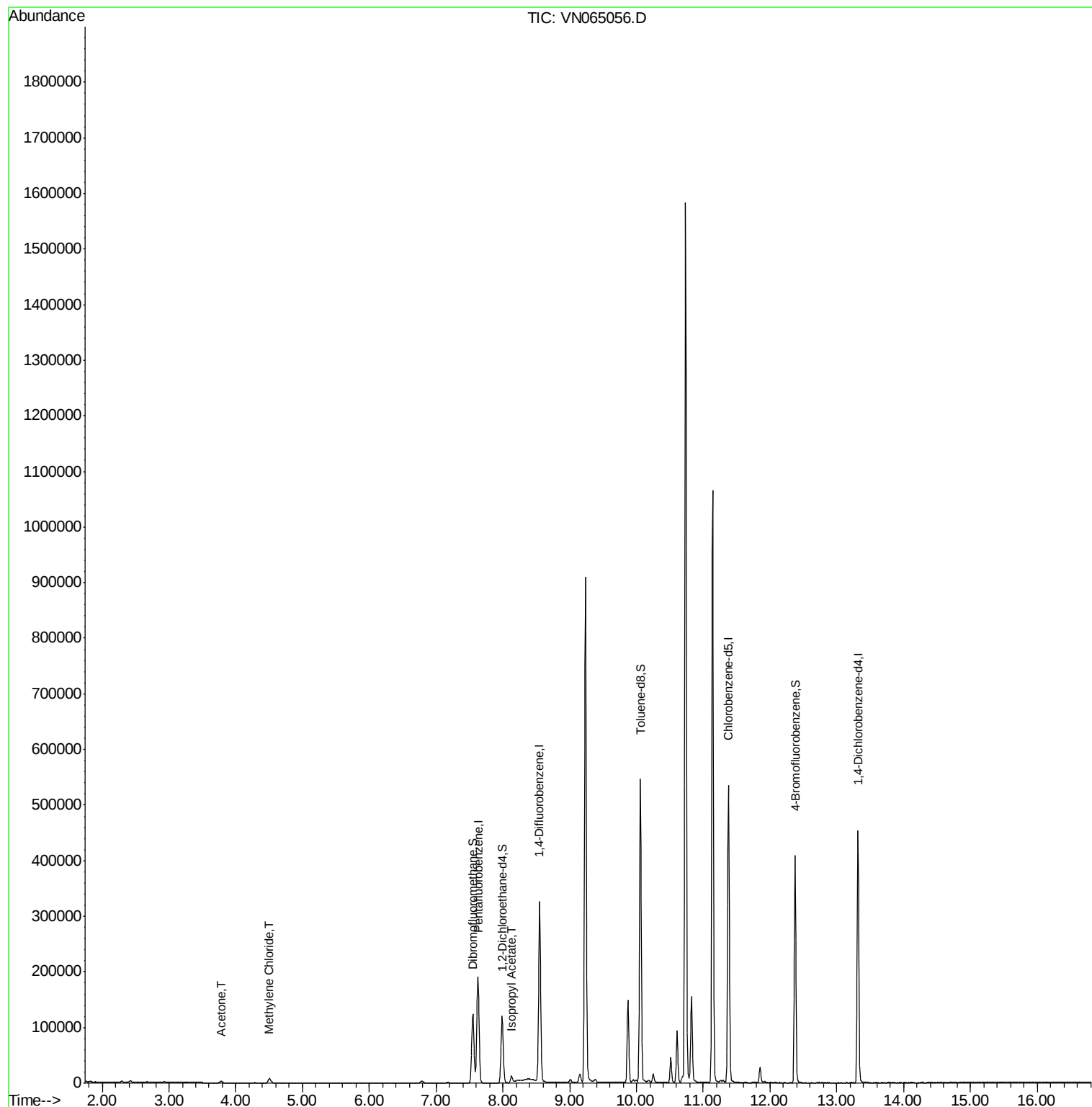
					Qvalue
16) Acetone	3.78	43	5730	8.446 ug/l	95
20) Methylene Chloride	4.50	84	6617	3.829 ug/l	96
43) Isopropyl Acetate	8.13	43	15527	4.012 ug/l	96

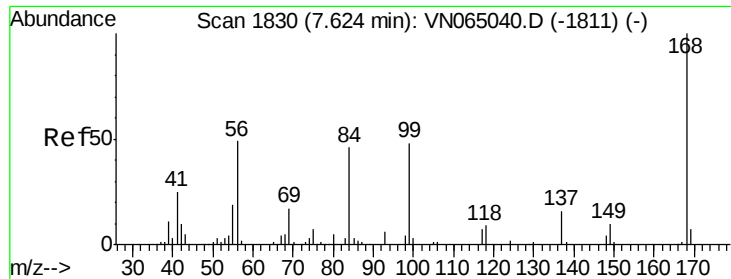
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121020\
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Quant Title : SW846 8260
QLast Update : Thu Dec 10 16:04:22 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: VN065056.D

Acq: 10 Dec 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

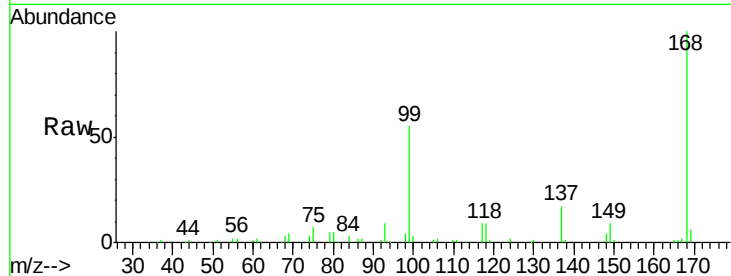
PB133501ZHE#04

Tot Ion:168 Resp: 160658

Ion Ratio Lower Upper

168 100

99 54.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

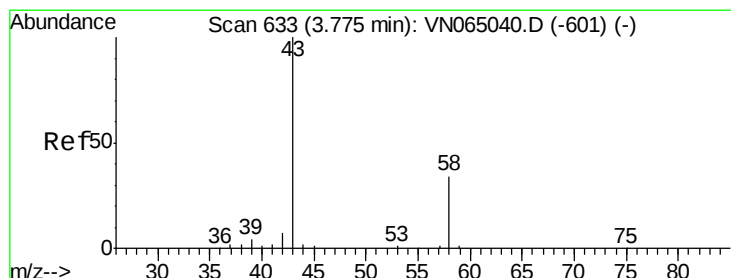
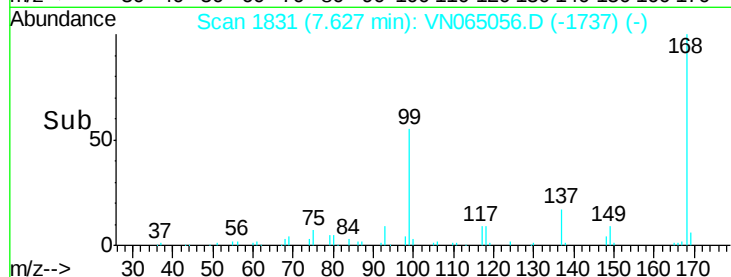
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 8.446 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN065056.D

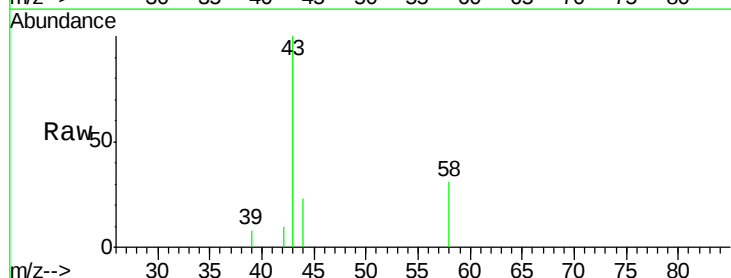
Acq: 10 Dec 2020 20:56

Tgt Ion: 43 Resp: 5730

Ion Ratio Lower Upper

43 100

58 30.5 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

2500

2000

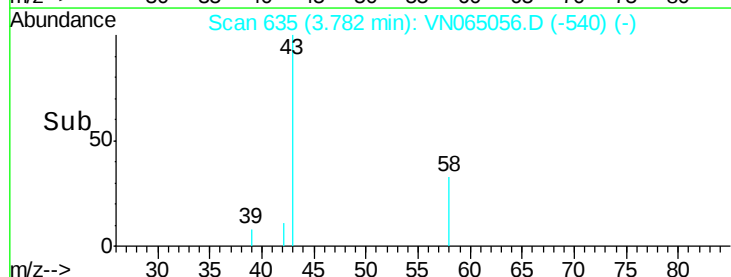
1500

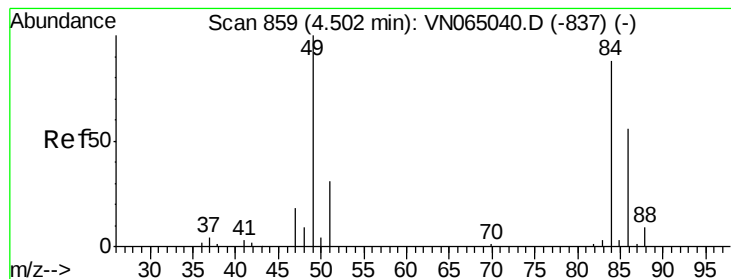
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 3.829 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN065056.D

Acq: 10 Dec 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#04

Tot Ion: 84 Resp: 6617

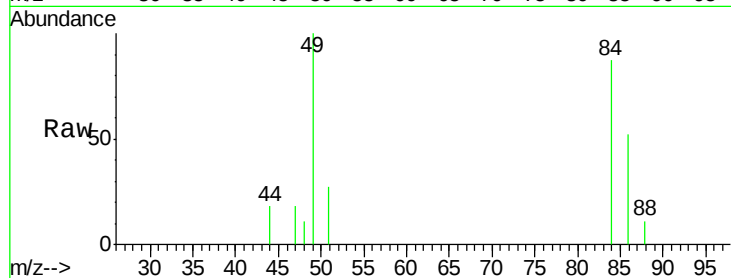
Ion Ratio Lower Upper

84 100

49 115.0 90.8 136.2

51 30.6 28.1 42.1

86 59.6 51.3 76.9

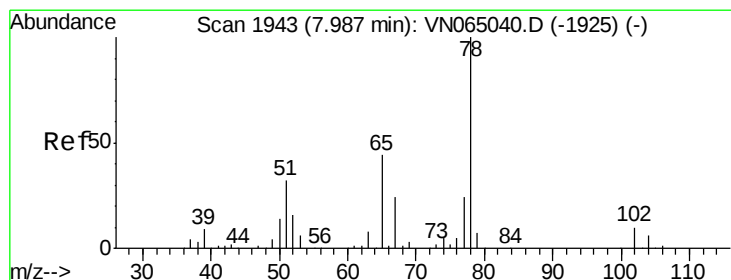
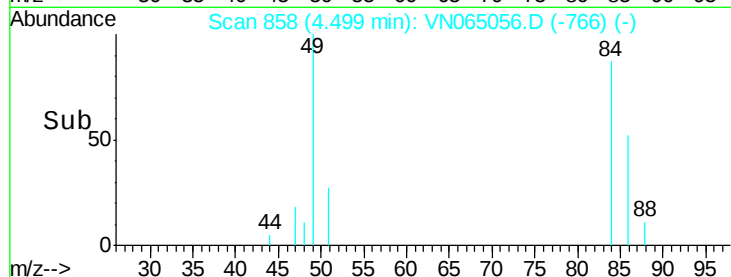
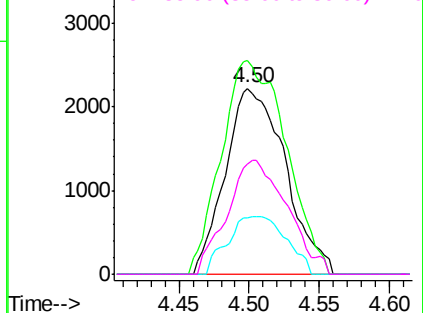


Abundance Ion 83.90 (83.60 to 84.60): VN065040.D (-837) (-)

Ion 48.90 (48.60 to 49.60): VN065040.D (-837) (-)

Ion 50.90 (50.60 to 51.60): VN065040.D (-837) (-)

Ion 85.90 (85.60 to 86.60): VN065040.D (-837) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.165 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065056.D

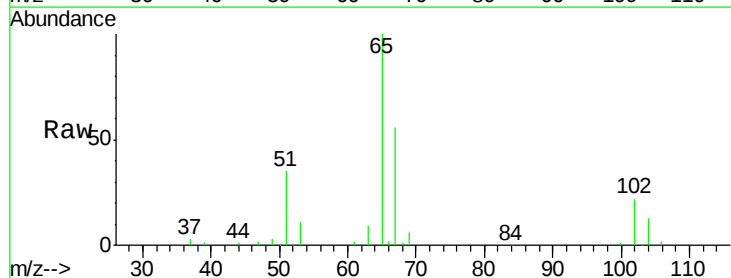
Acq: 10 Dec 2020 20:56

Tgt Ion: 65 Resp: 107430

Ion Ratio Lower Upper

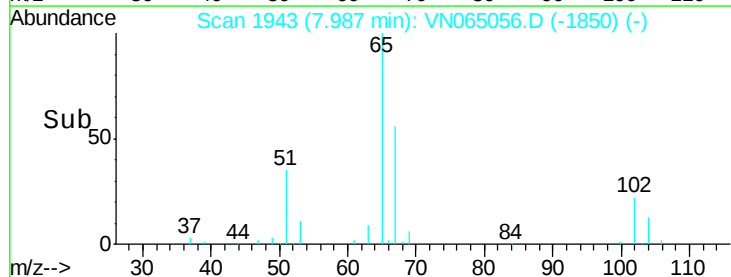
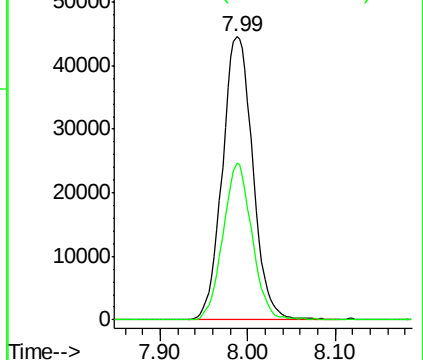
65 100

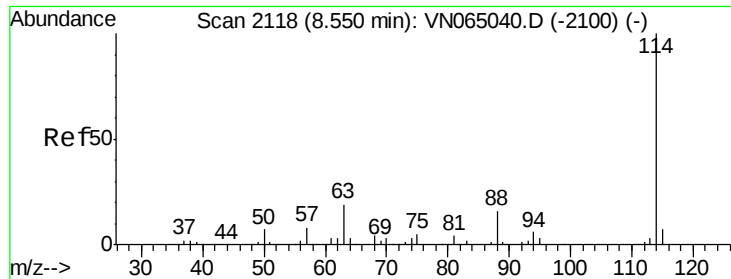
67 52.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN065040.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN065040.D (-1925) (-)

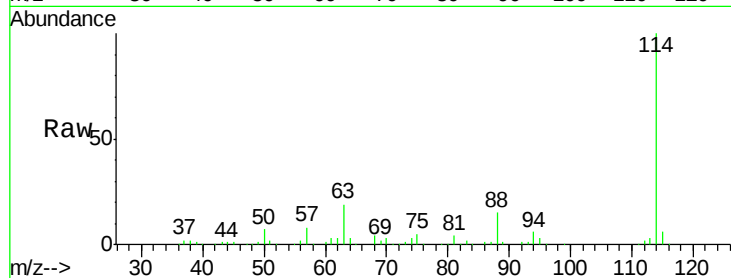




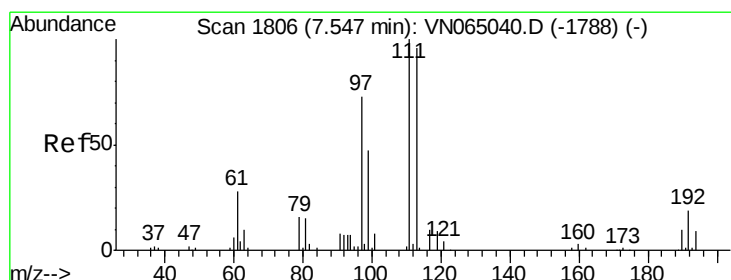
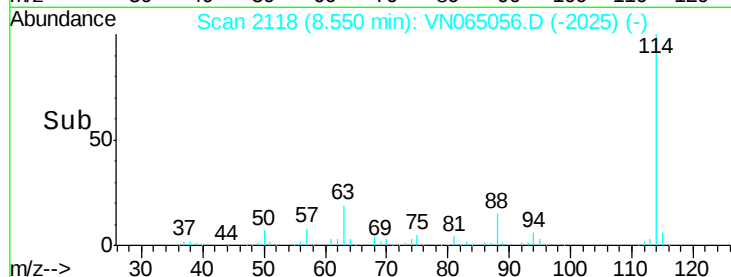
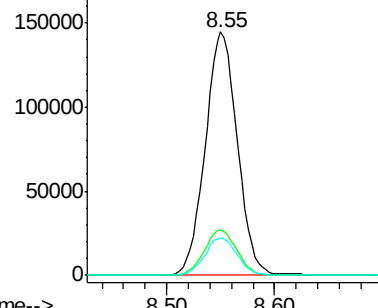
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065056.D
 Acq: 10 Dec 2020 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#04

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.2
88	15.4	0.0	31.6

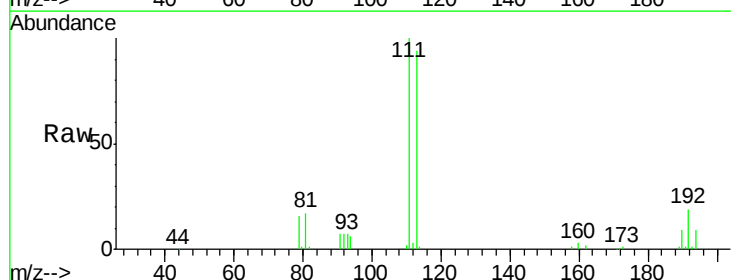


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

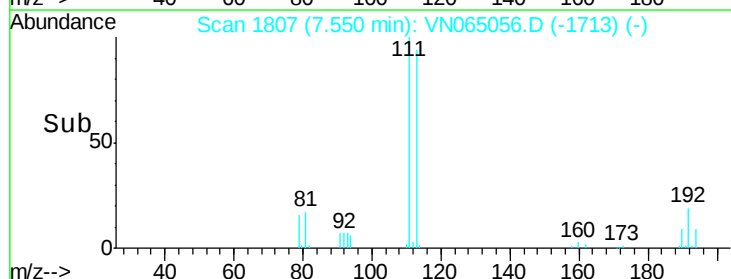
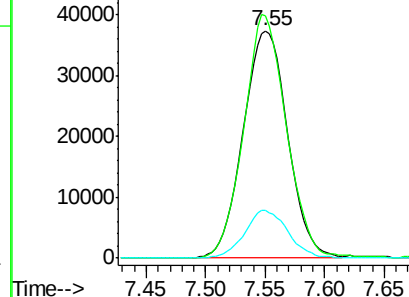


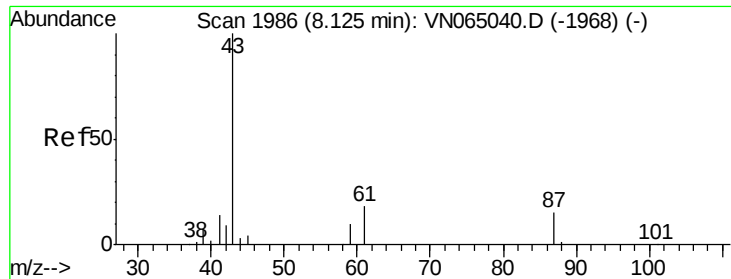
#35
 Dibromofluoromethane
 Concen: 48.839 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065056.D
 Acq: 10 Dec 2020 20:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	20.3	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: 4.012 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065056.D

Acq: 10 Dec 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#04

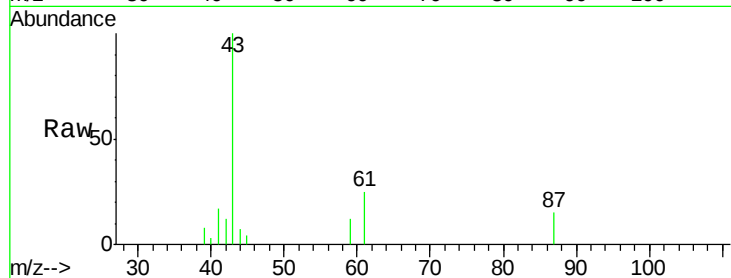
Tot Ion: 43 Resp: 15527

Ion Ratio Lower Upper

43 100

61 19.8 16.9 25.3

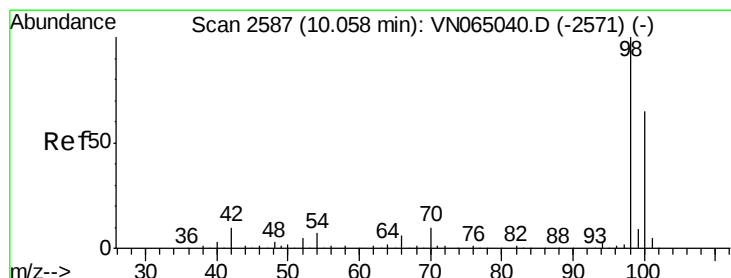
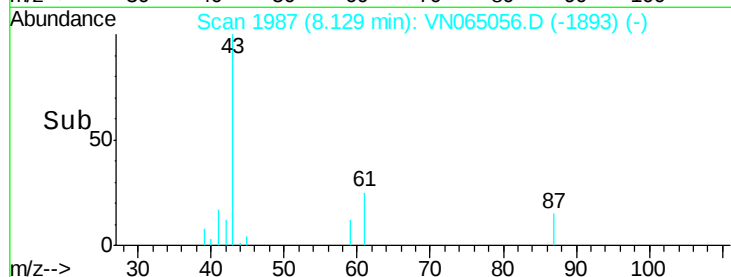
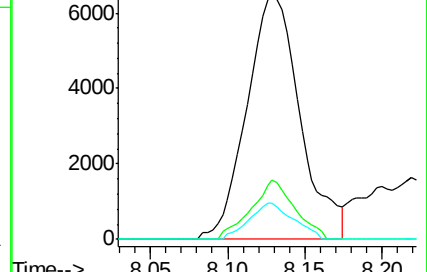
87 12.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN065040.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN065040.D (-1968) (-)



#50

Toluene-d8

Concen: 51.022 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065056.D

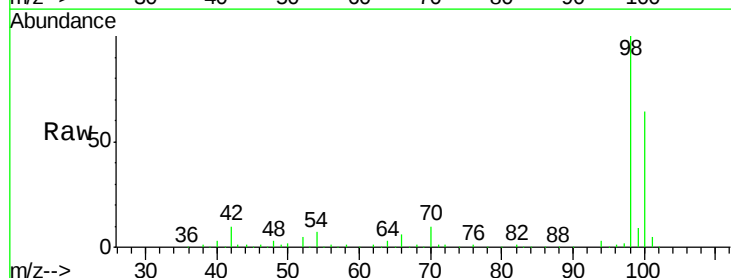
Acq: 10 Dec 2020 20:56

Tgt Ion: 98 Resp: 388736

Ion Ratio Lower Upper

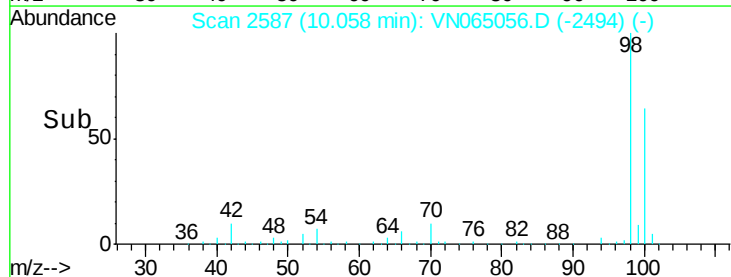
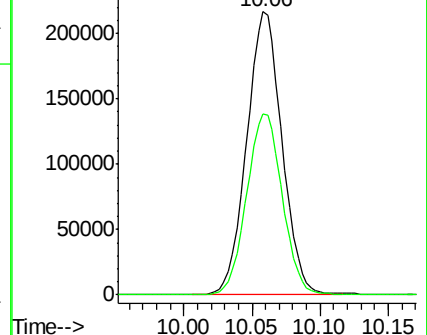
98 100

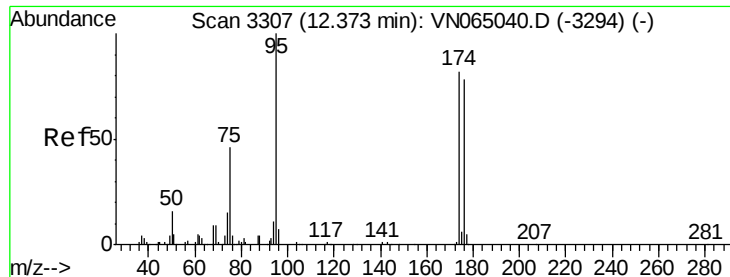
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN065040.D (-2571) (-)





#62

4-Bromofluorobenzene

Concen: 54.912 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065056.D

Acq: 10 Dec 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#04

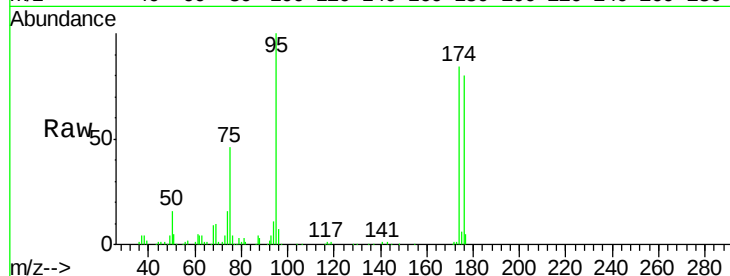
Tot Ion: 95 Resp: 143398

Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.8

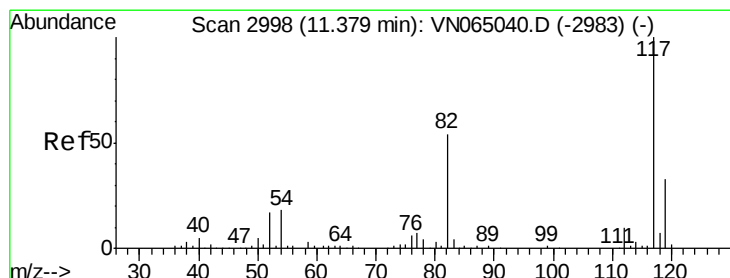
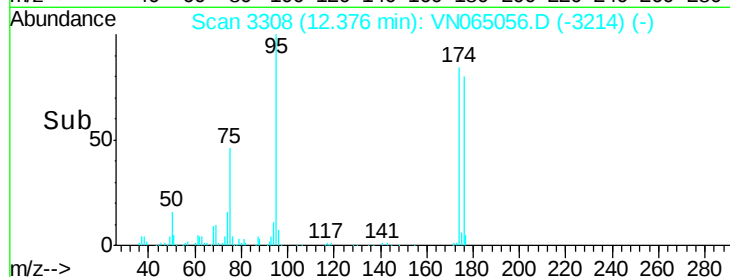
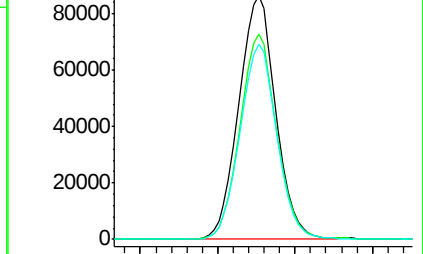
176 79.7 0.0 158.8



Abundance Ion 94.90 (94.60 to 95.60): VN065040.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN065040.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN065040.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065056.D

Acq: 10 Dec 2020 20:56

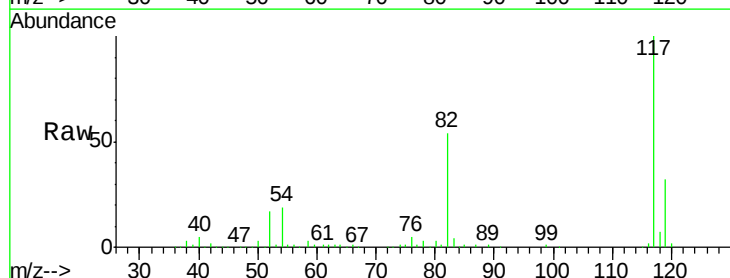
Tgt Ion: 117 Resp: 332581

Ion Ratio Lower Upper

117 100

82 53.7 43.5 65.3

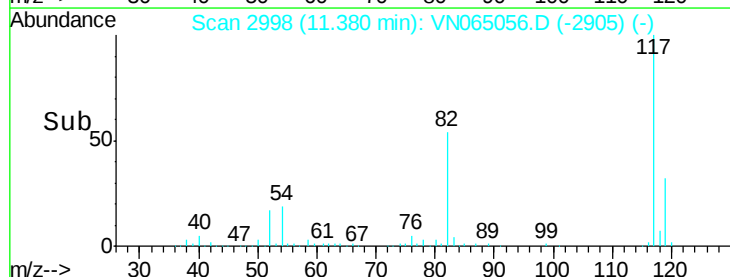
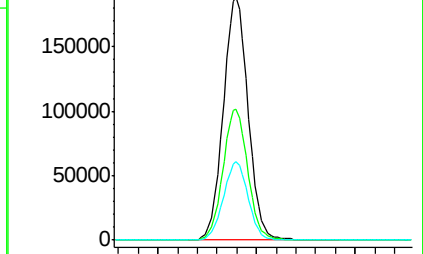
119 32.2 26.4 39.6

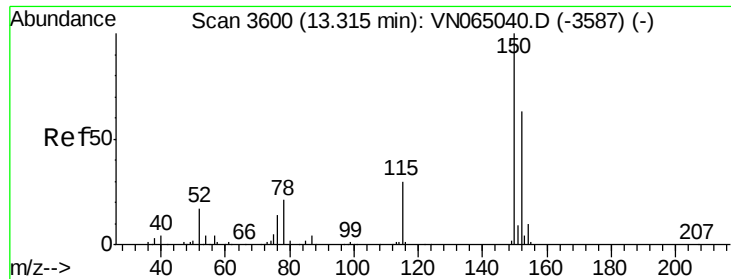


Abundance Ion 116.90 (116.60 to 117.60): VN065040.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN065040.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN065040.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065056.D

Acq: 10 Dec 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#04

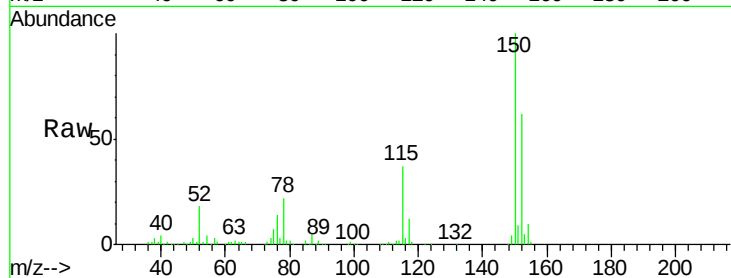
Tot Ion:152 Resp: 132239

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

150 158.9 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

