

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060283.D
 Acq On : 28 Feb 2020 14:41
 Operator : JC/MD
 Sample : PB127123ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127123ZHE#14

Quant Time: Feb 29 01:23:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

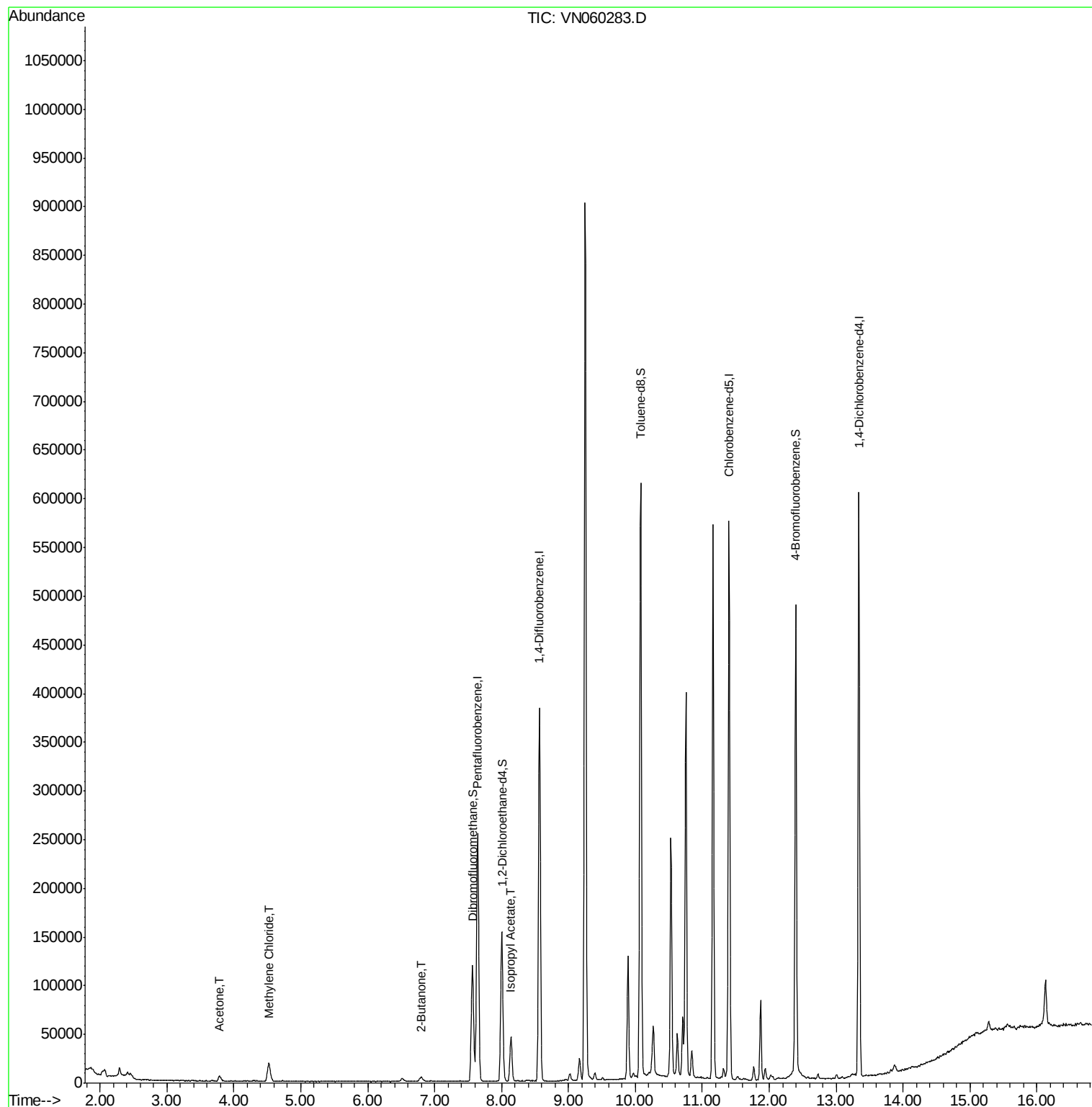
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	340006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155111	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	134459	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	90607	57.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.82%	
50) Toluene-d8	10.08	98	418216	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	160807	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
Target Compounds						
16) Acetone	3.79	43	8970	10.383	ug/l	100
20) Methylene Chloride	4.52	84	14268	6.014	ug/l	96
25) 2-Butanone	6.80	43	7672	5.498	ug/l	95
43) Isopropyl Acetate	8.14	43	53853	10.026	ug/l #	91

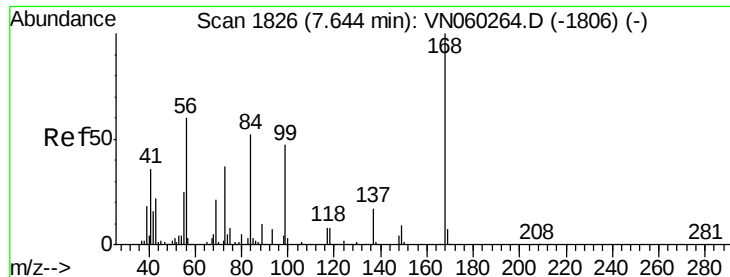
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

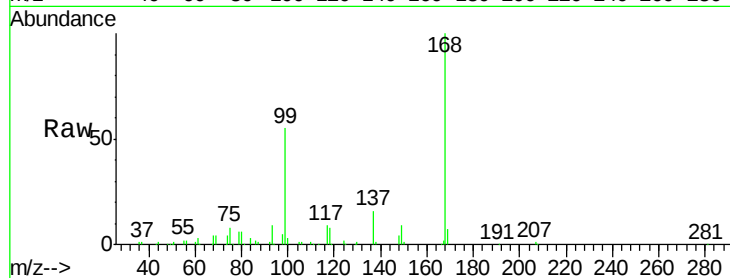
PB127123ZHE#14

Tot Ion:168 Resp: 208508

Ion Ratio Lower Upper

168 100

99 55.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

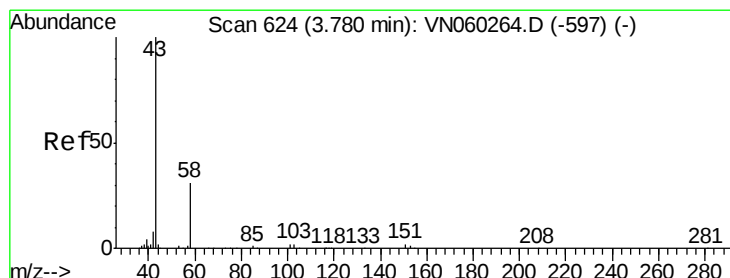
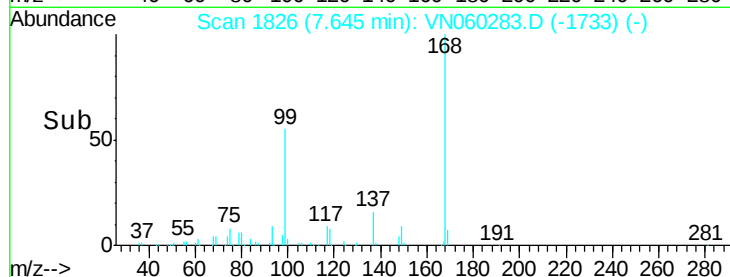
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 10.383 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060283.D

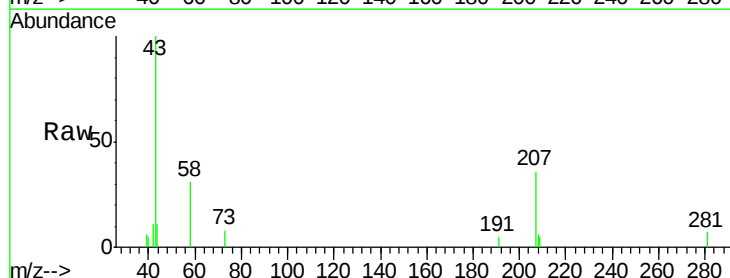
Acq: 28 Feb 2020 14:41

Tgt Ion: 43 Resp: 8970

Ion Ratio Lower Upper

43 100

58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

3000

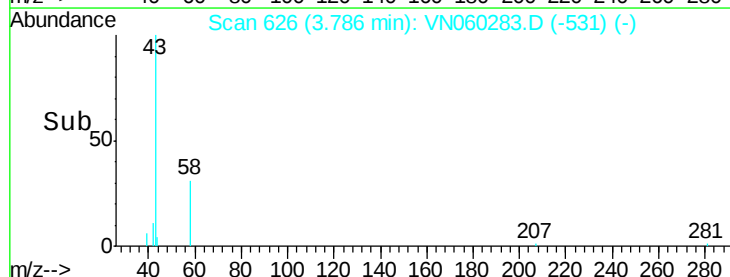
2000

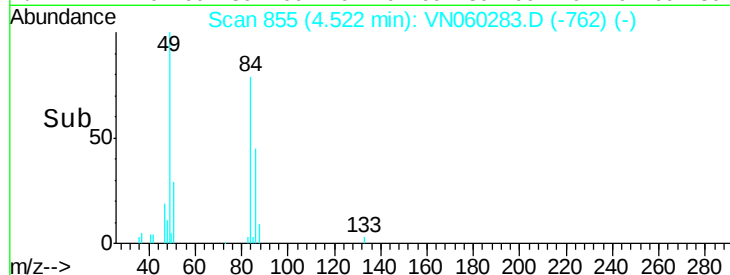
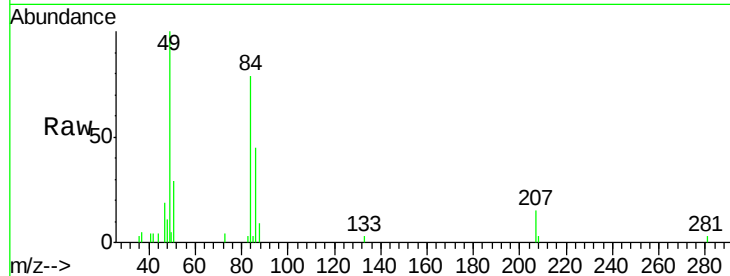
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

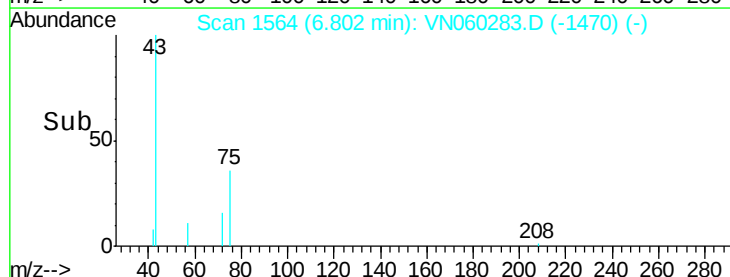
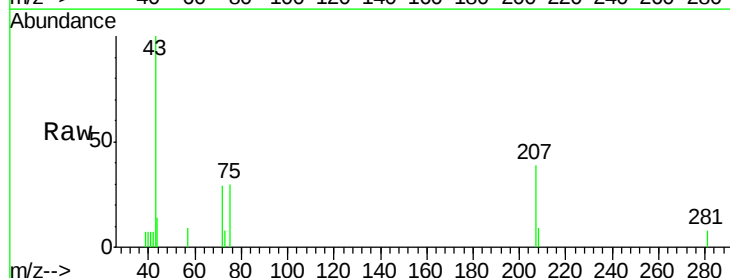
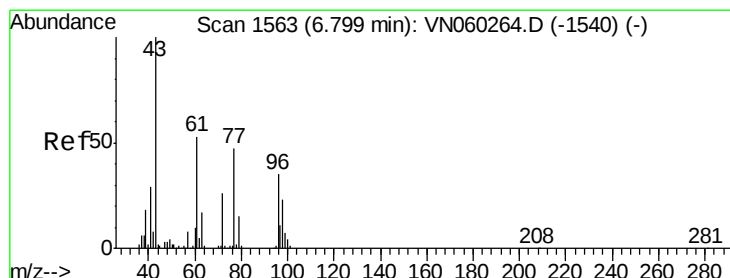
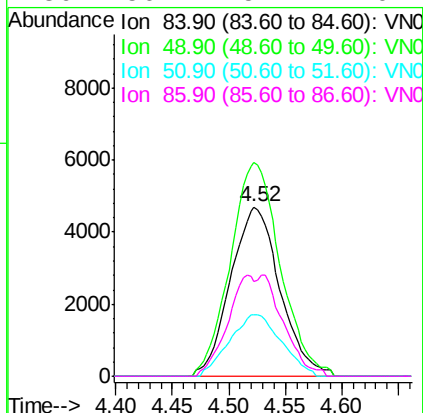




#20
Methylene Chloride
Concen: 6.014 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060283.D
Acq: 28 Feb 2020 14:41

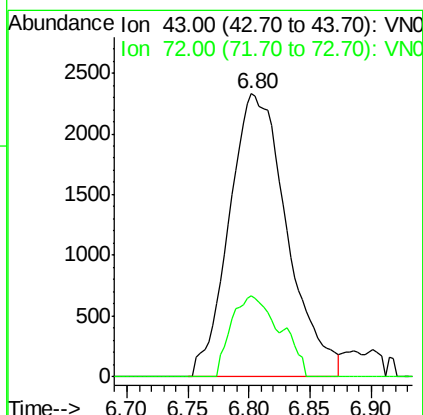
Instrument :
MSVOA_N
ClientSampleId :
PB127123ZHE#14

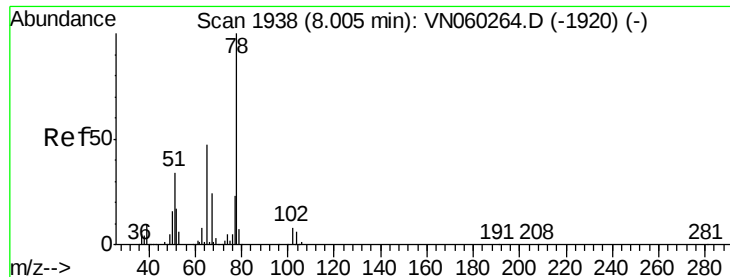
Tot Ion: 84	Resp: 14268
Ion Ratio	Lower Upper
84 100	
49 126.2	99.3 148.9
51 36.4	30.1 45.1
86 56.1	51.1 76.7



#25
2-Butanone
Concen: 5.498 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN060283.D
Acq: 28 Feb 2020 14:41

Tgt Ion: 43	Resp: 7672
Ion Ratio	Lower Upper
43 100	
72 28.7	20.9 31.3





#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

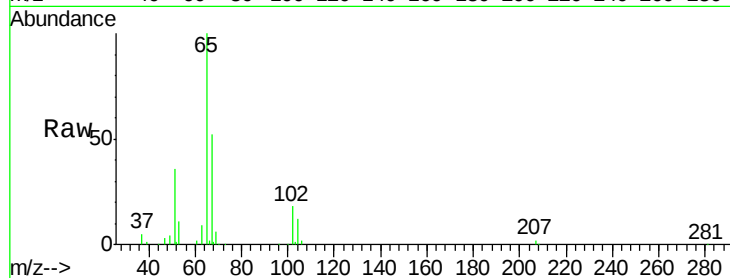
PB127123ZHE#14

Tot Ion: 65 Resp: 134459

Ion Ratio Lower Upper

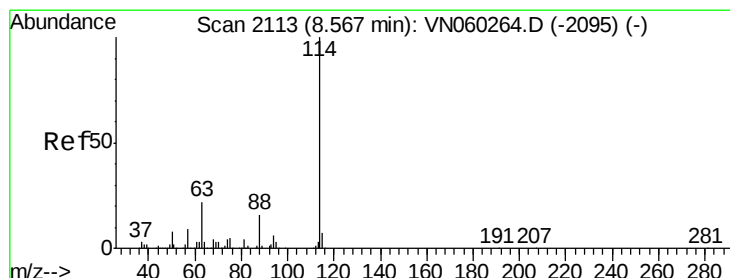
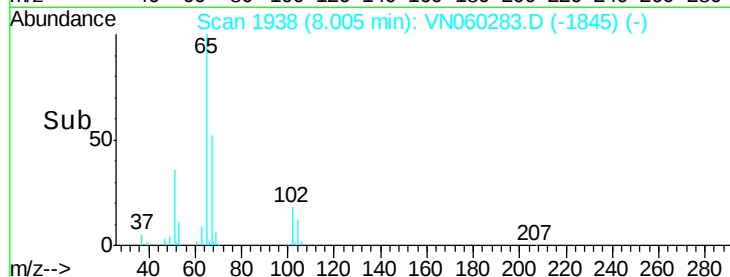
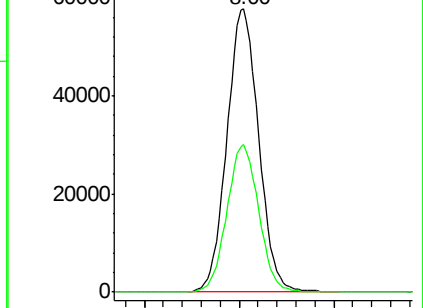
65 100

67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060283.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060283.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

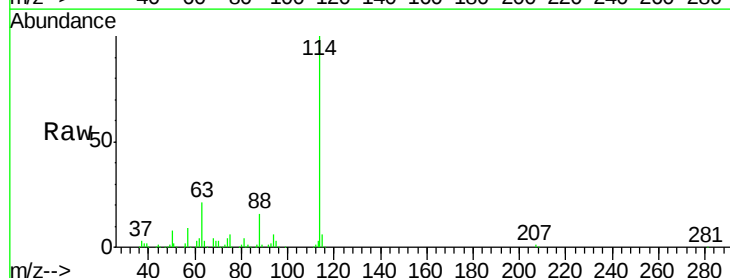
Tgt Ion: 114 Resp: 340006

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

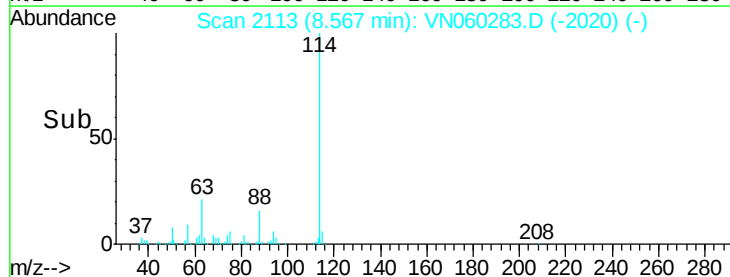
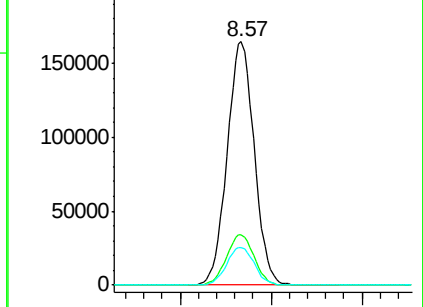
88 15.6 0.0 31.6

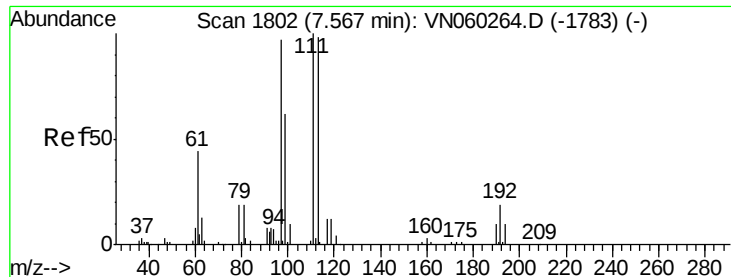


Abundance Ion 113.90 (113.60 to 114.60): VN060283.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060283.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060283.D (-2020) (-)

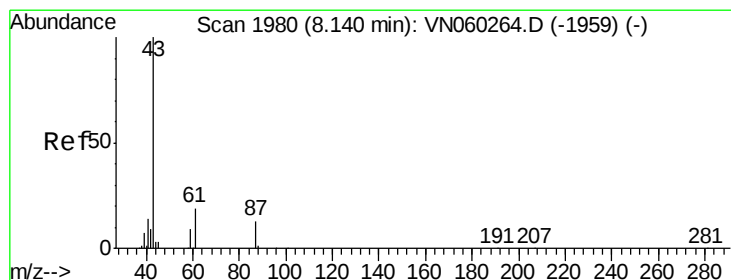
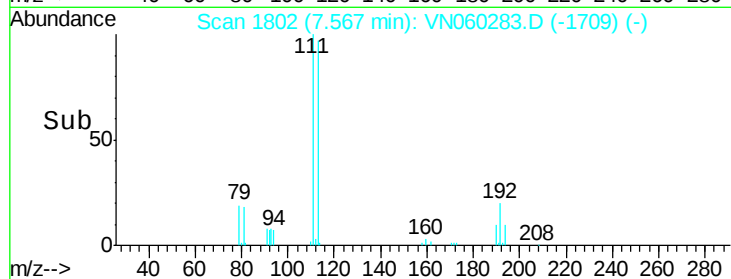
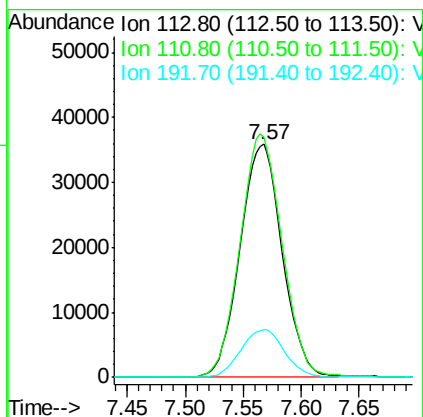
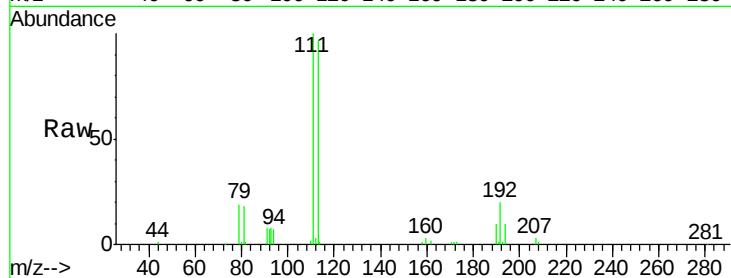




#35
 Dibromofluoromethane
 Concen: 57.412 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060283.D
 Acq: 28 Feb 2020 14:41

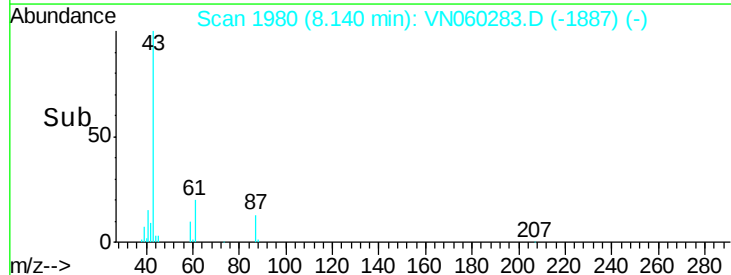
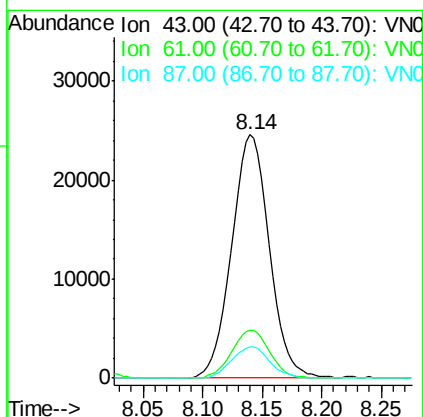
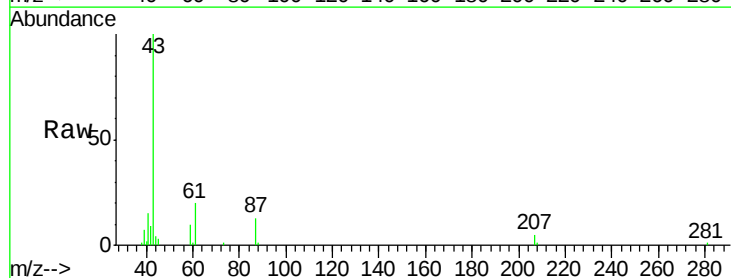
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127123ZHE#14

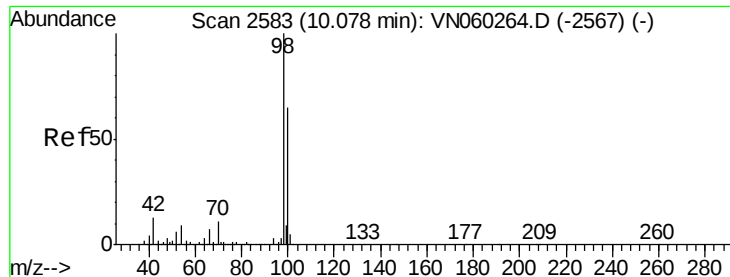
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.4	123.6
192	21.2	16.2	24.2



#43
 Isopropyl Acetate
 Concen: 10.026 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060283.D
 Acq: 28 Feb 2020 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.8	20.9	31.3#
87	12.7	10.6	16.0





#50

Toluene-d8

Concen: 52.359 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

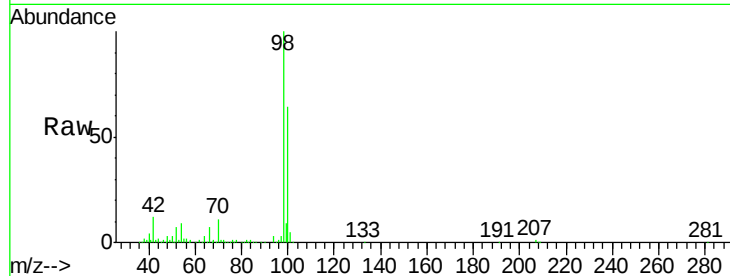
PB127123ZHE#14

Tot Ion: 98 Resp: 418216

Ion Ratio Lower Upper

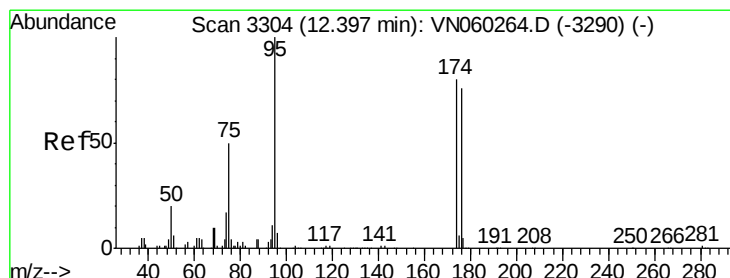
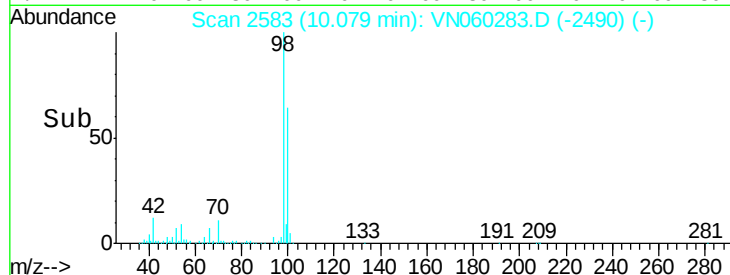
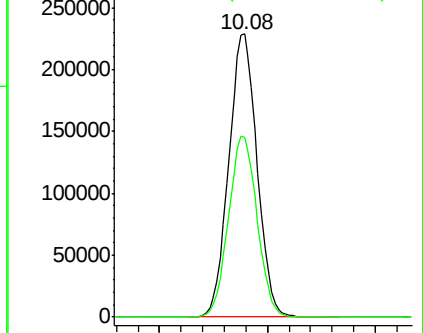
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 53.109 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

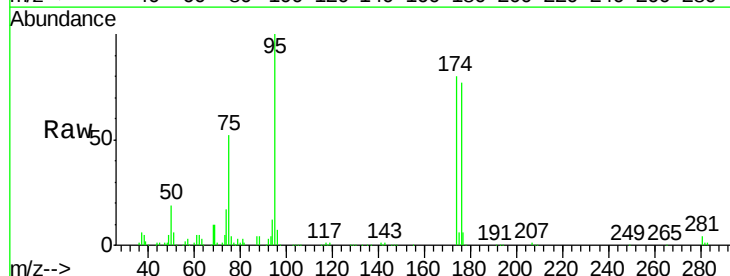
Tgt Ion: 95 Resp: 160807

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.2

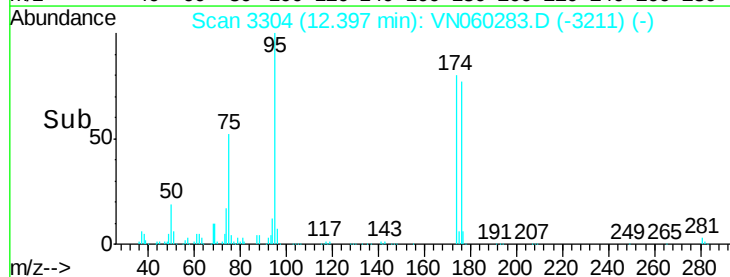
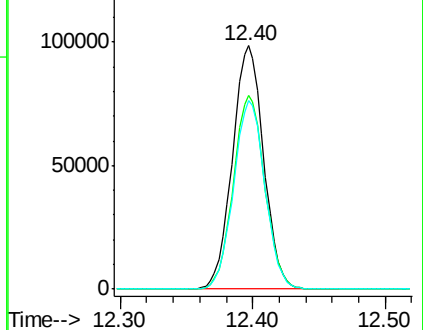
176 77.9 0.0 153.8

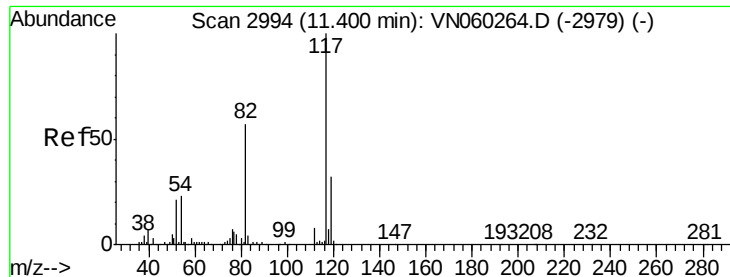


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB127123ZHE#14

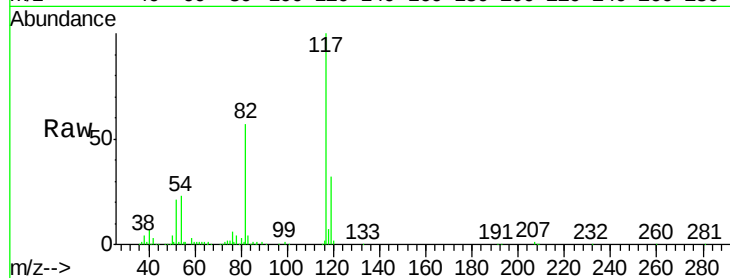
Tot Ion:117 Resp: 321676

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.6

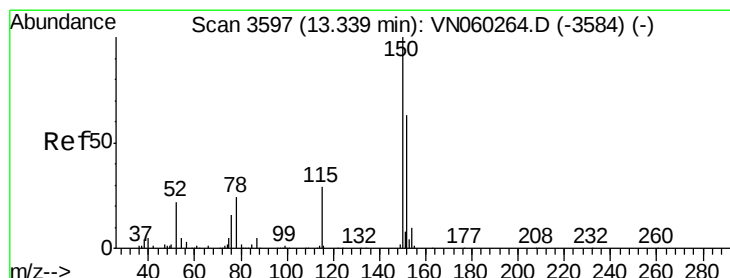
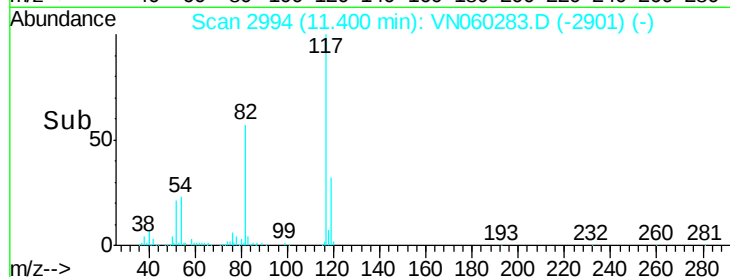
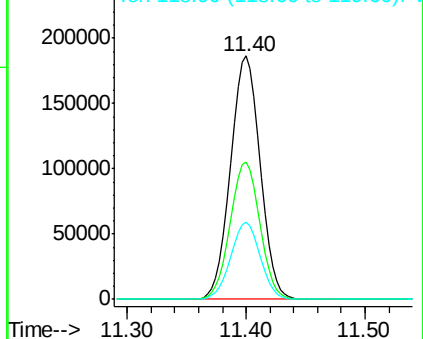
119 31.6 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060283.D

Acq: 28 Feb 2020 14:41

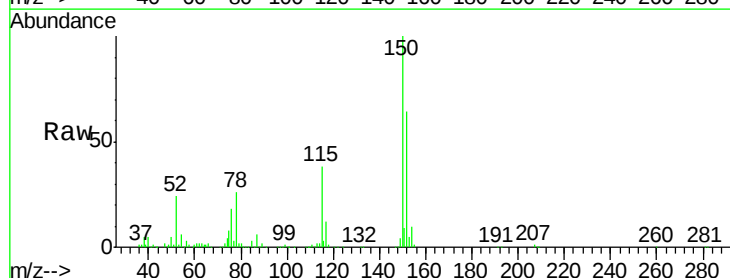
Tgt Ion:152 Resp: 155111

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 156.7 0.0 349.6



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

