

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060901.D
 Acq On : 8 Apr 2020 15:17
 Operator : JC/MD
 Sample : L2181-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-04072020

Quant Time: Apr 09 09:01:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

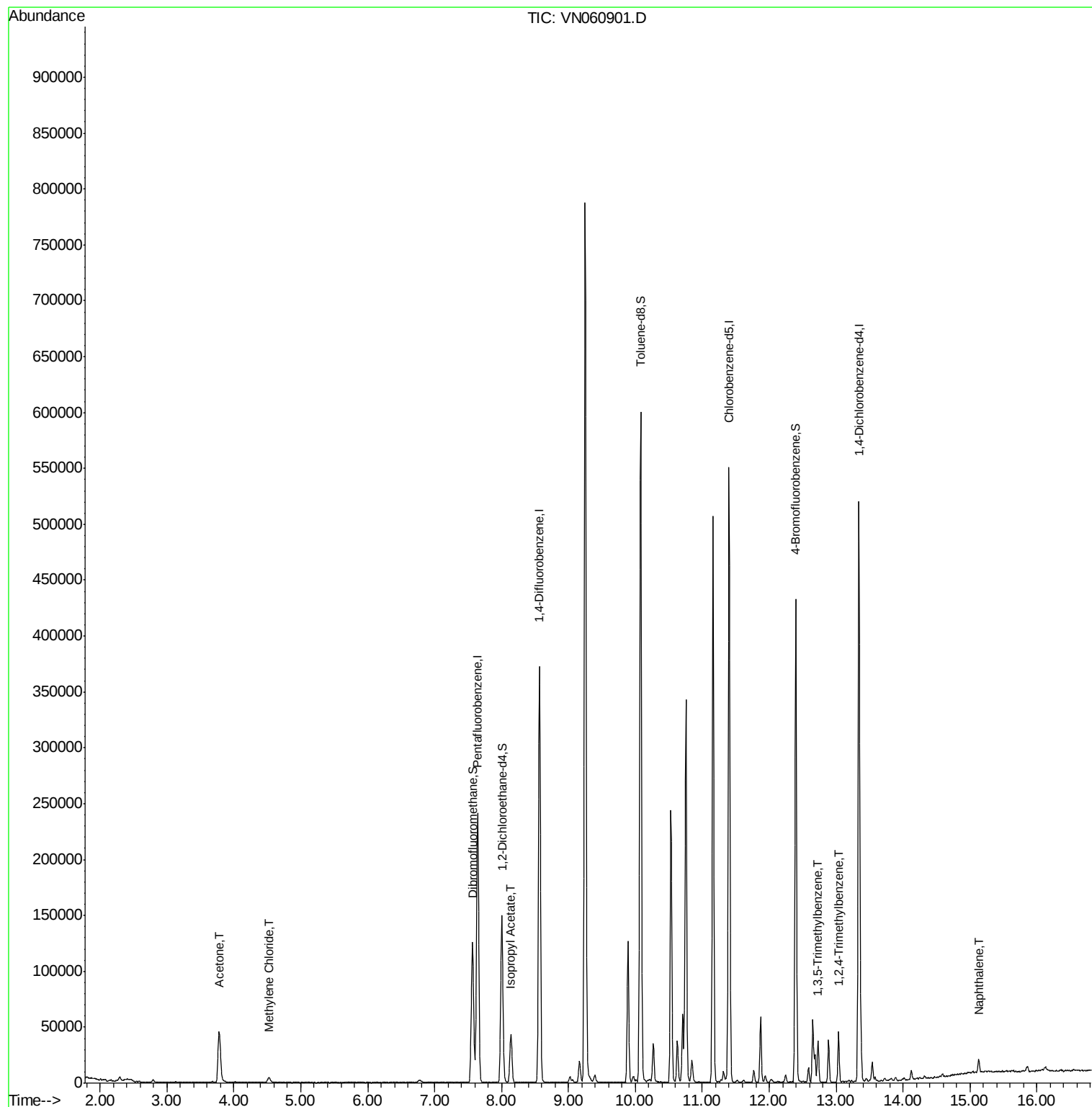
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138506	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125894	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.57	113	98635	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.08	98	406063	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	149638	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
Target Compounds						
16) Acetone	3.78	43	81227	84.916	ug/l	99
20) Methylene Chloride	4.53	84	3436	1.460	ug/l	92
43) Isopropyl Acetate	8.14	43	53134	9.438	ug/l #	91
80) 1,3,5-Trimethylbenzene	12.73	105	20146	2.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	25455	2.917	ug/l	99
95) Naphthalene	15.13	128	10707	1.372	ug/l	99

(#) = 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: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

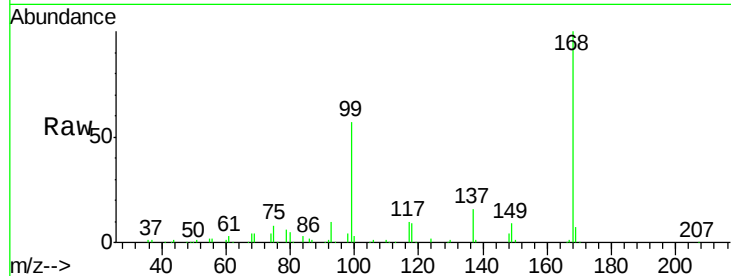
PL-02-04072020

Tot Ion:168 Resp: 196716

Ion Ratio Lower Upper

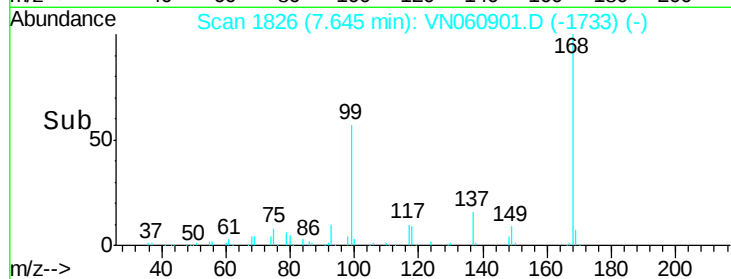
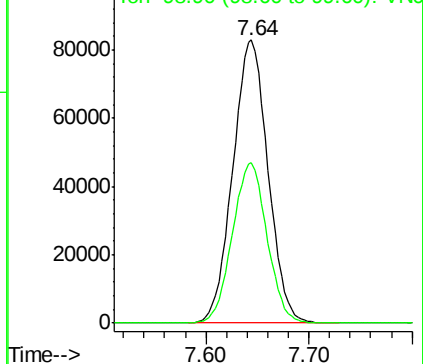
168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 84.916 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060901.D

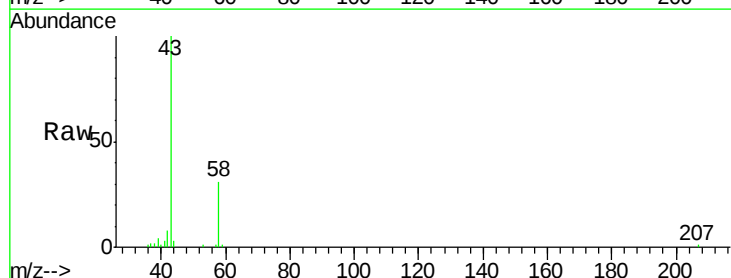
Acq: 8 Apr 2020 15:17

Tgt Ion: 43 Resp: 81227

Ion Ratio Lower Upper

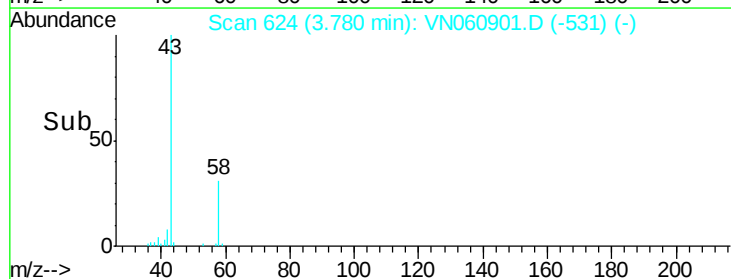
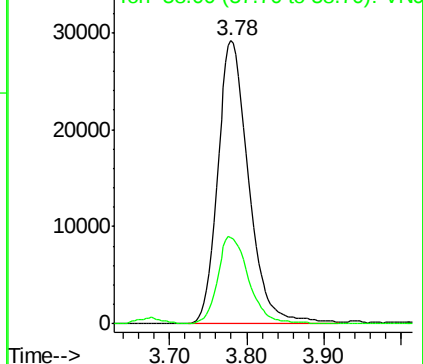
43 100

58 30.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 1.460 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PL-02-04072020

Tot Ion: 84 Resp: 3436

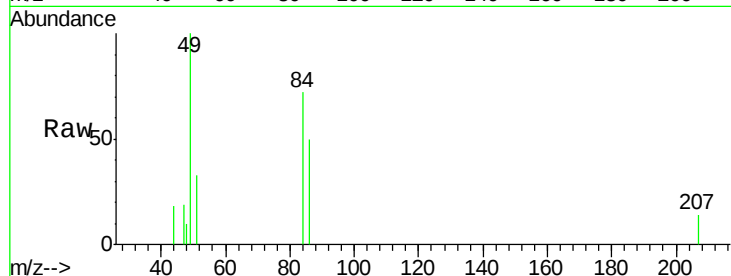
Ion Ratio Lower Upper

84 100

49 138.8 103.3 154.9

51 45.4 31.6 47.4

86 69.6 52.0 78.0

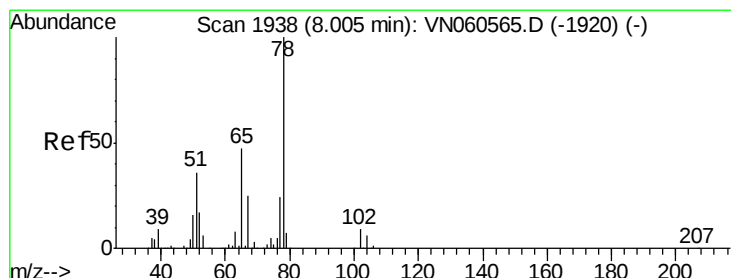
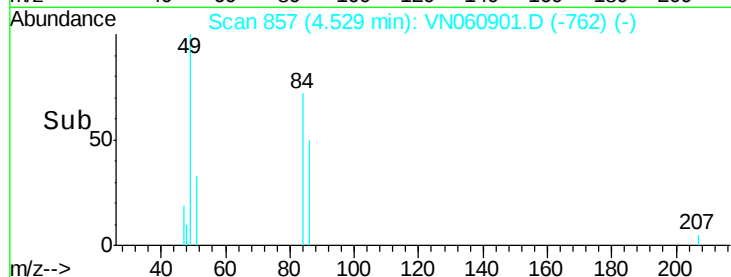
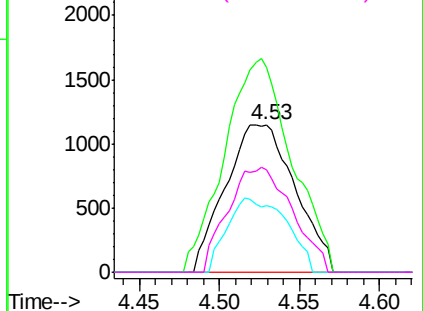


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 46.619 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060901.D

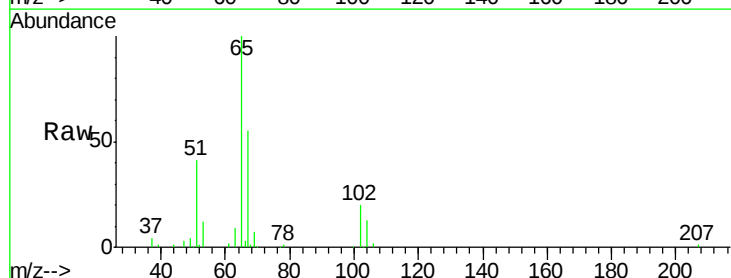
Acq: 8 Apr 2020 15:17

Tgt Ion: 65 Resp: 125894

Ion Ratio Lower Upper

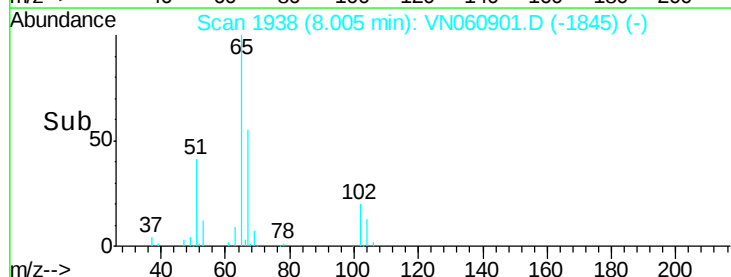
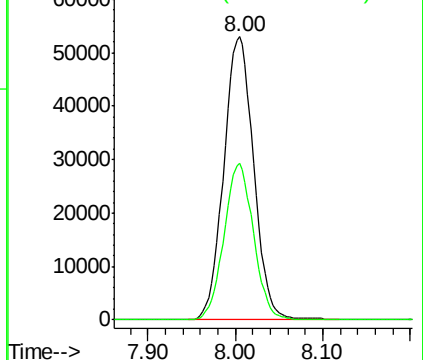
65 100

67 54.4 0.0 107.6



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: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PL-02-04072020

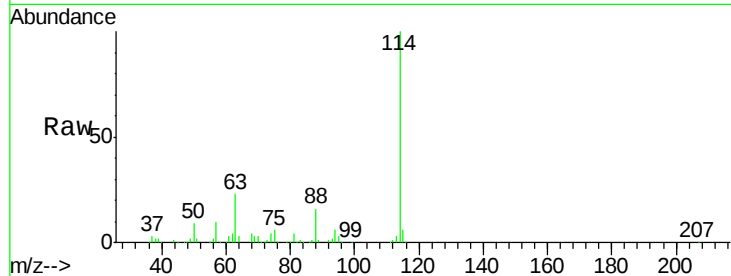
Tot Ion:114 Resp: 326276

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

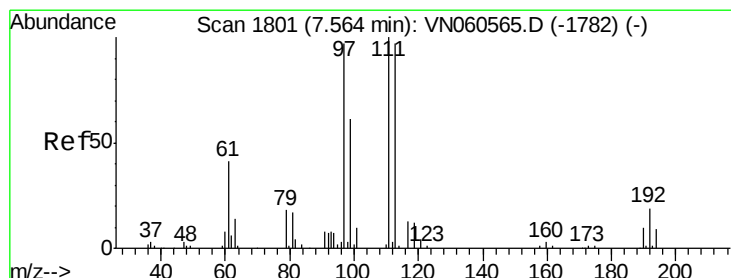
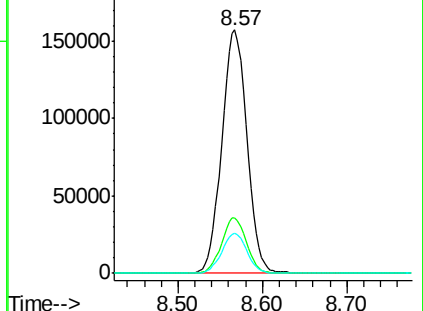
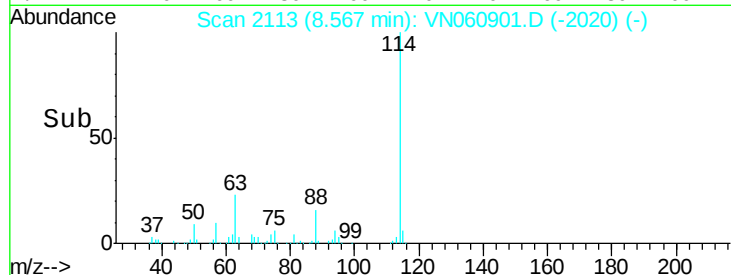
88 16.3 0.0 33.0



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: 49.995 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

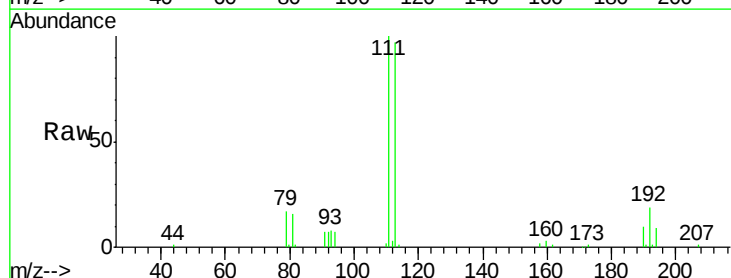
Tgt Ion:113 Resp: 98635

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

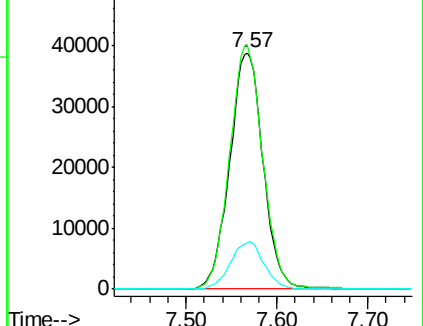
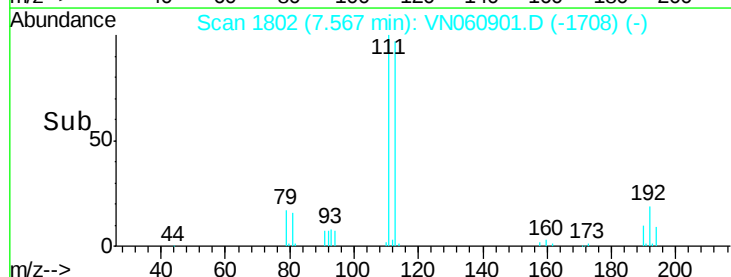
192 20.1 15.8 23.8



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: 9.438 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PL-02-04072020

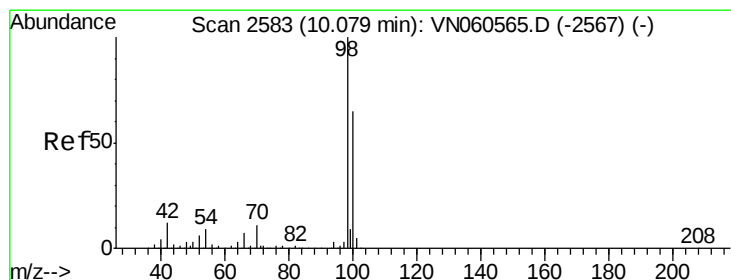
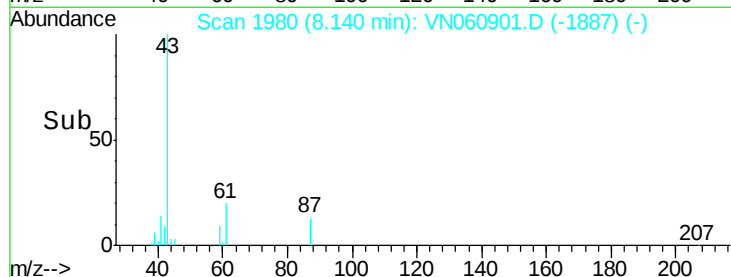
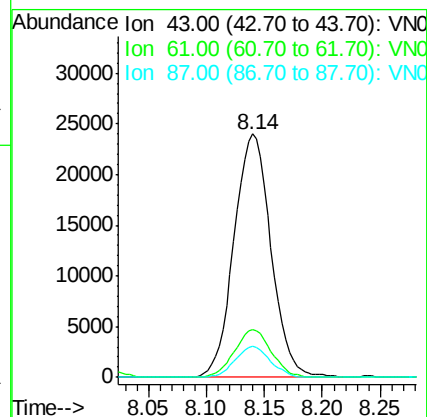
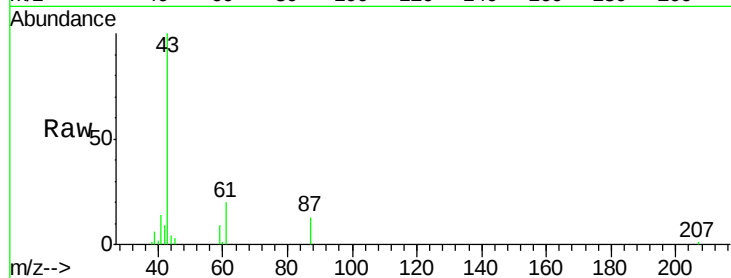
Tot Ion: 43 Resp: 53134

Ion Ratio Lower Upper

43 100

61 19.4 20.7 31.1#

87 12.0 9.8 14.8



#50

Toluene-d8

Concen: 50.390 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060901.D

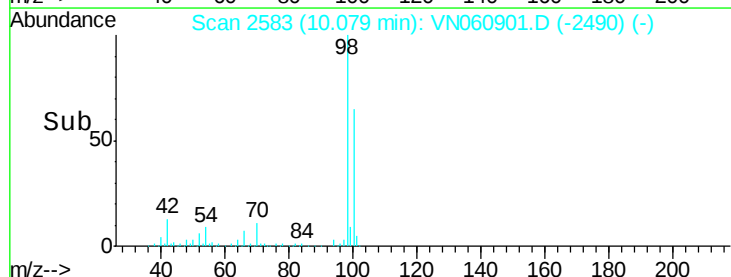
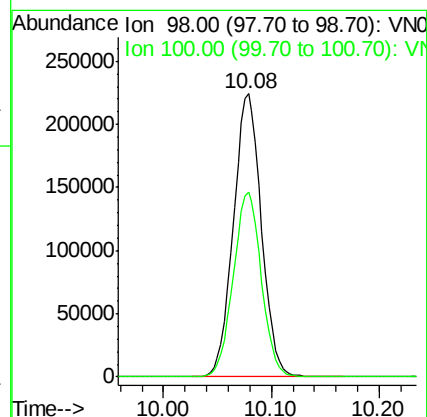
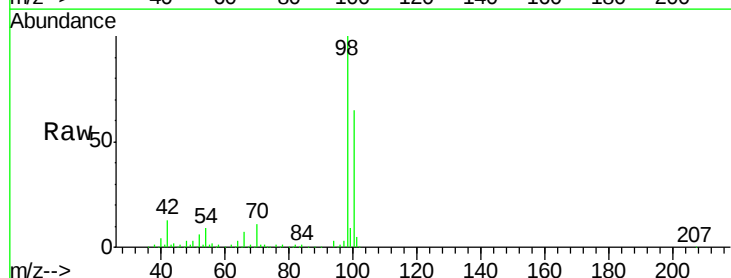
Acq: 8 Apr 2020 15:17

Tgt Ion: 98 Resp: 406063

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PL-02-04072020

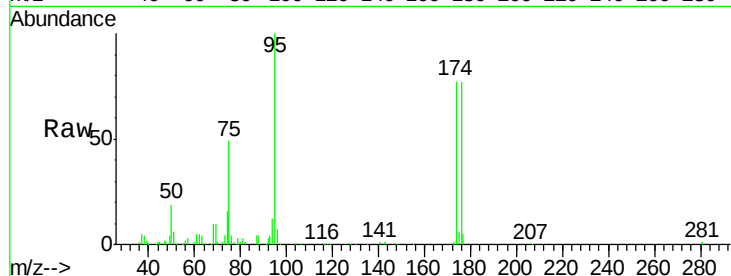
Tot Ion: 95 Resp: 149638

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

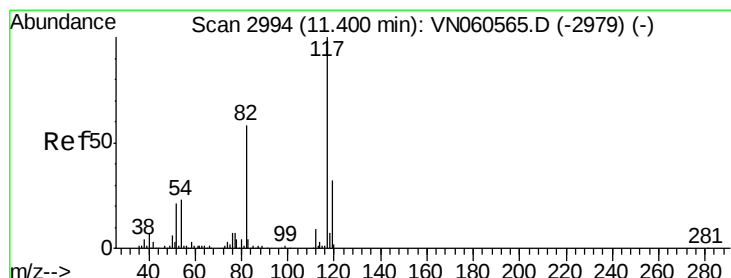
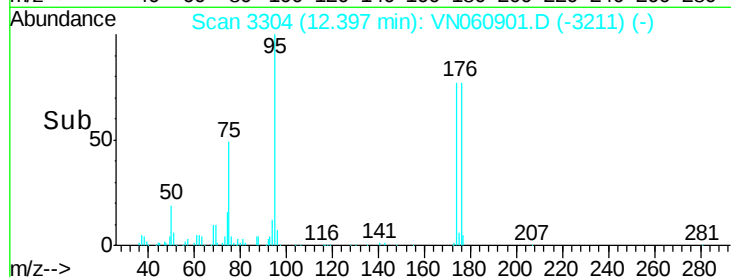
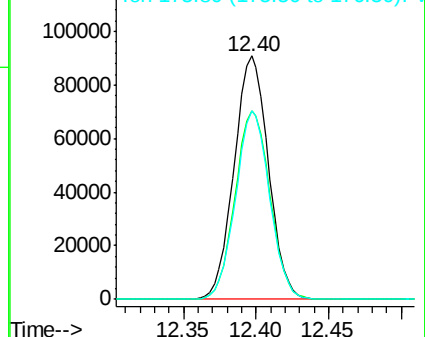
176 76.5 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060901.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060901.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060901.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

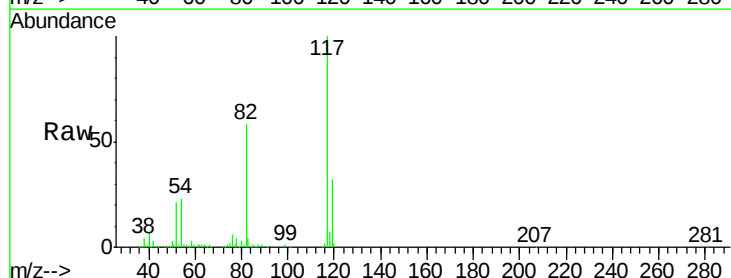
Tgt Ion: 117 Resp: 310328

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

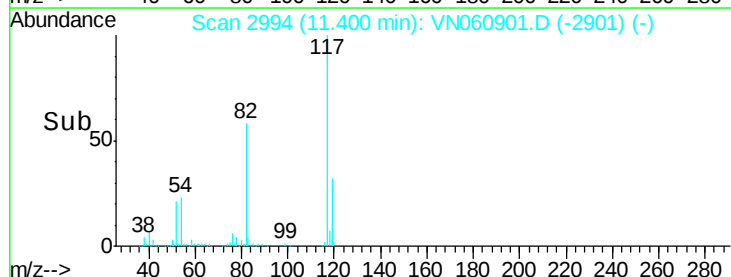
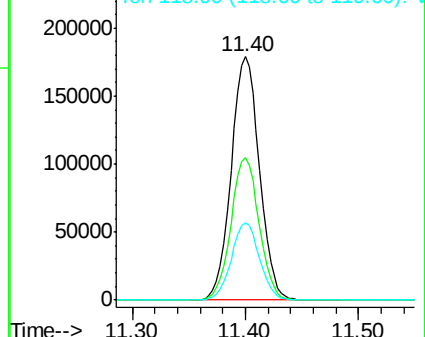
119 31.7 25.5 38.3

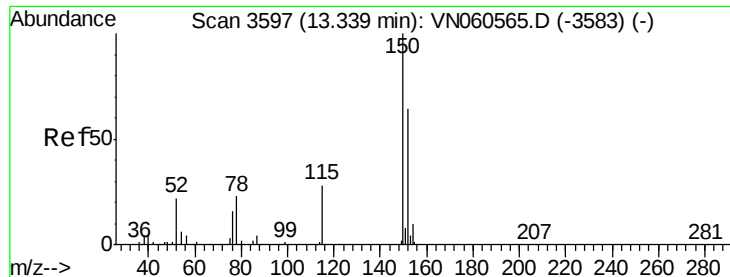


Abundance Ion 116.90 (116.60 to 117.60): VN060901.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060901.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060901.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PL-02-04072020

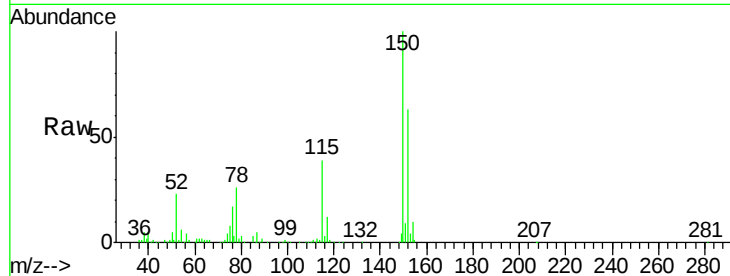
Tot Ion:152 Resp: 138506

Ion Ratio Lower Upper

152 100

115 61.3 30.2 90.6

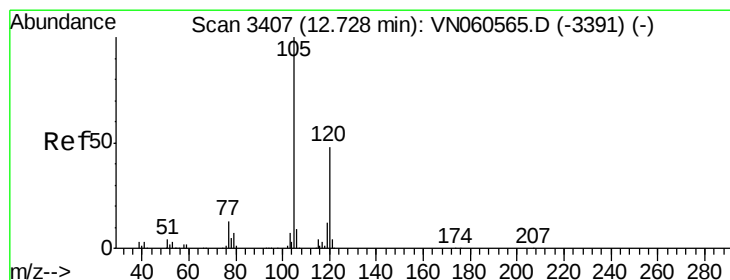
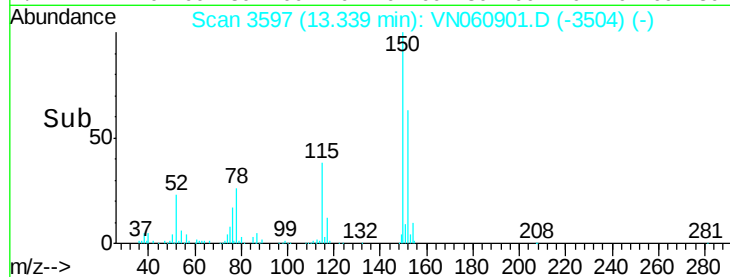
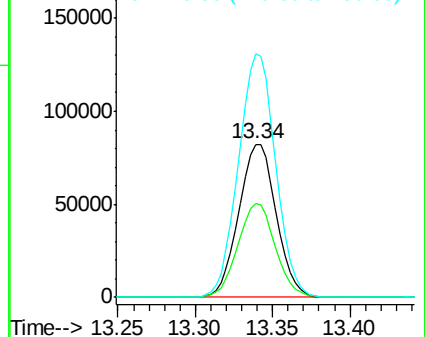
150 157.9 0.0 350.2



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



#80

1,3,5-Trimethylbenzene

Concen: 2.284 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060901.D

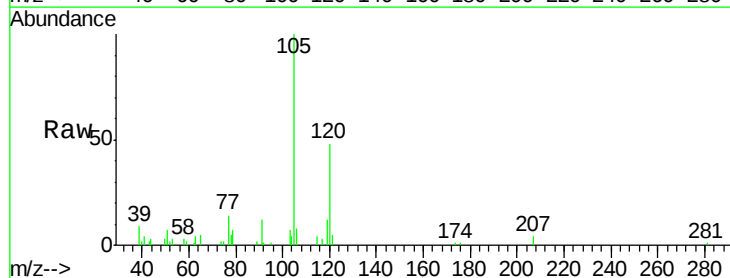
Acq: 8 Apr 2020 15:17

Tgt Ion:105 Resp: 20146

Ion Ratio Lower Upper

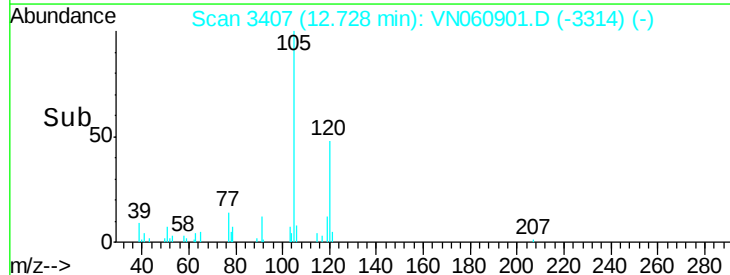
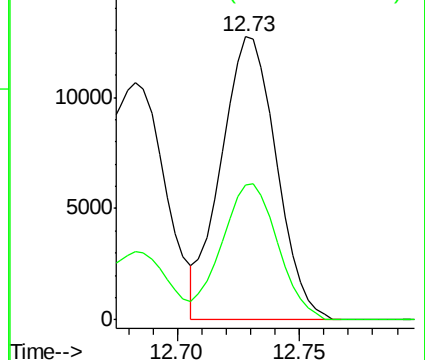
105 100

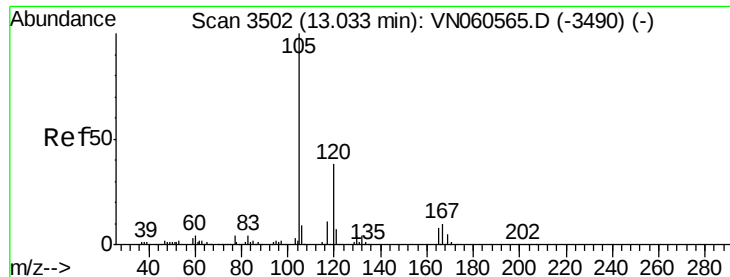
120 48.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.917 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

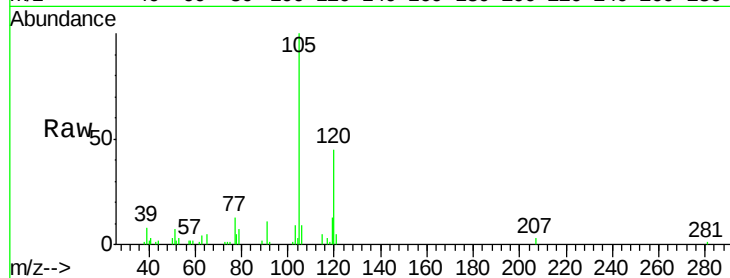
PL-02-04072020

Tot Ion:105 Resp: 25455

Ion Ratio Lower Upper

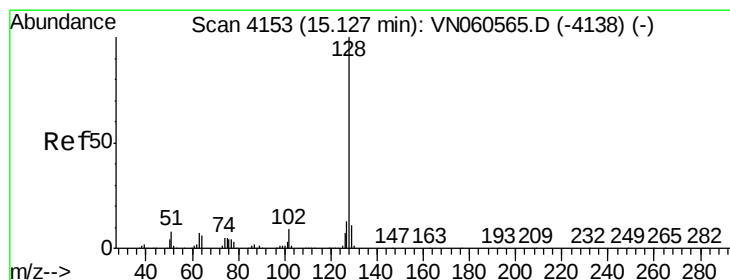
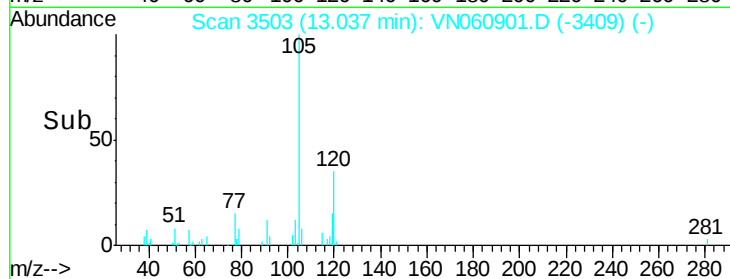
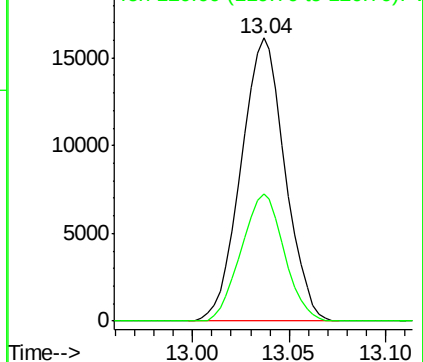
105 100

120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.372 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060901.D

Acq: 8 Apr 2020 15:17

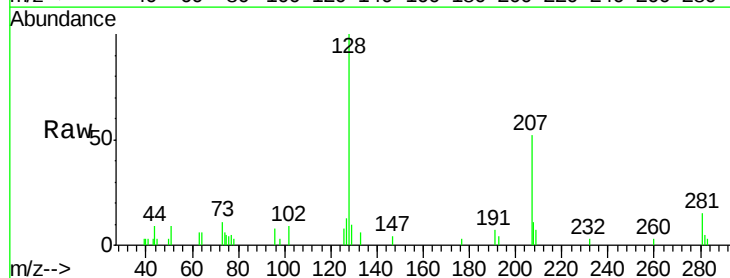
Tgt Ion:128 Resp: 10707

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.0 8.8 13.2



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

