

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061687.D
 Acq On : 8 Jun 2020 11:33
 Operator : JC/MD
 Sample : VN0608WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01

Quant Time: Jun 09 03:09:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	305756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	459448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183614	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	162079	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
35) Dibromofluoromethane	7.54	113	142390	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	
50) Toluene-d8	10.06	98	581965	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.37	95	192815	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	

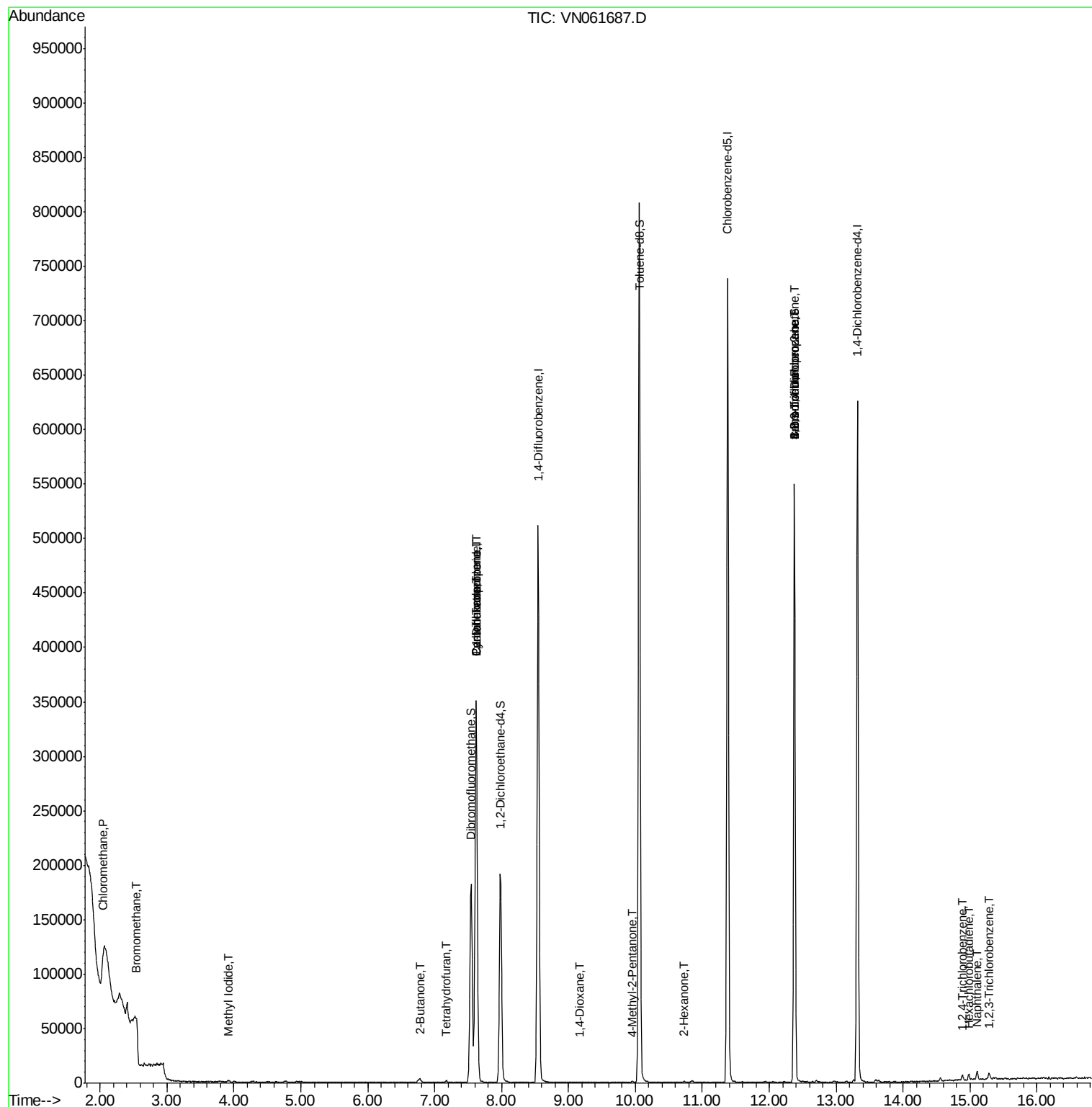
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3140	0.84	ug/l	96
5) Bromomethane	2.55	94	1863	0.64	ug/l #	75
10) Methyl Iodide	3.91	142	2152	0.53	ug/l #	81
16) Acetone	3.77	43	1082	Below Cal	#	41
20) Methylene Chloride	4.49	84	311	Below Cal	#	51
25) 2-Butanone	6.79	43	428	0.25	ug/l #	42
29) Tetrahydrofuran	7.16	42	577	0.51	ug/l #	79
31) Cyclohexane	7.62	56	5623	1.10	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	19757	4.47	ug/l #	47
38) Carbon Tetrachloride	7.62	117	27865	6.53	ug/l #	16
49) 1,4-Dioxane	9.16	88	184	4.12	ug/l #	58
51) 4-Methyl-2-Pentanone	9.96	43	790	0.22	ug/l #	77
59) 2-Hexanone	10.72	43	1258	0.49	ug/l	68
71) Bromoform	12.38	173	1127	0.41	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	91896	27.52	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	91896	70.39	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.89	180	1830	0.54	ug/l	98
94) Hexachlorobutadiene	14.98	225	1155	0.80	ug/l	95
95) Naphthalene	15.11	128	7808	0.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	2326	0.70	ug/l	93

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
Data File : VN061687.D
Acq On : 8 Jun 2020 11:33
Operator : JC/MD
Sample : VN0608WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

Quant Time: Jun 09 03:09:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

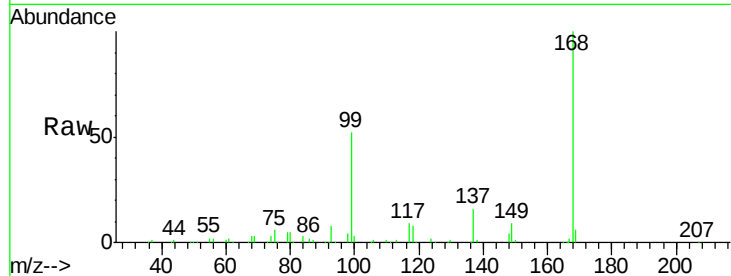
VN0608WBL01

Tgt Ion:168 Resp: 305756

Ion Ratio Lower Upper

168 100

99 51.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061687.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061687.D (-1727) (-)

7.62

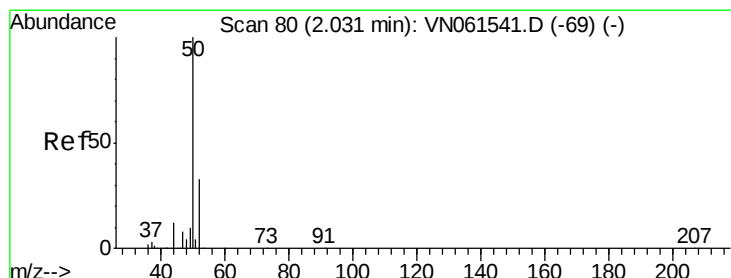
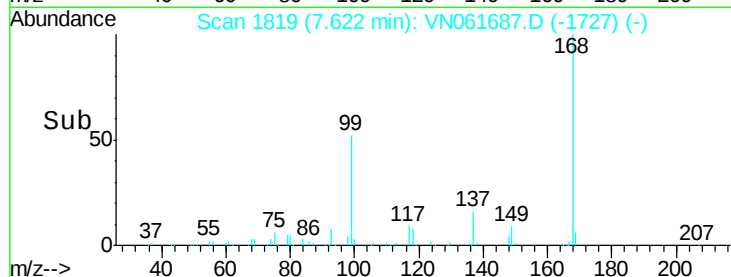
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.84 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061687.D

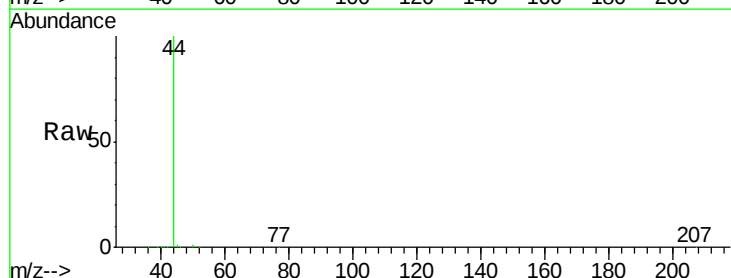
Acq: 8 Jun 2020 11:33

Tgt Ion: 50 Resp: 3140

Ion Ratio Lower Upper

50 100

52 35.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061687.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061687.D (-1) (-)

2.04

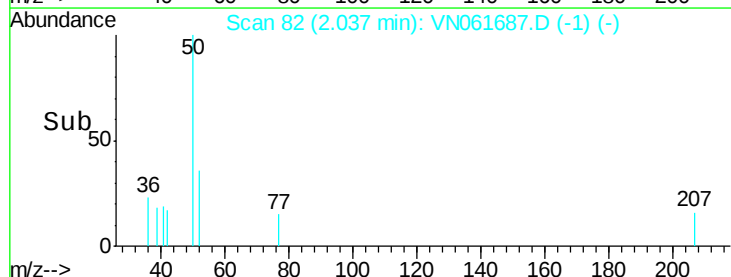
1500

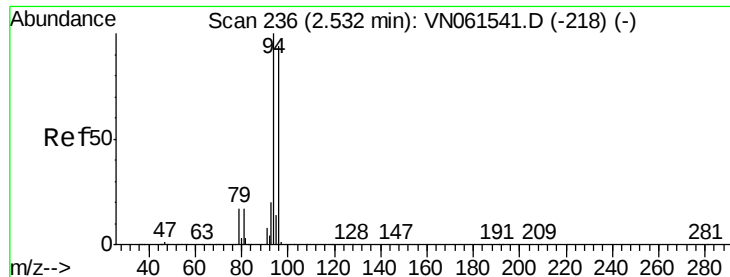
1000

500

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 0.64 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

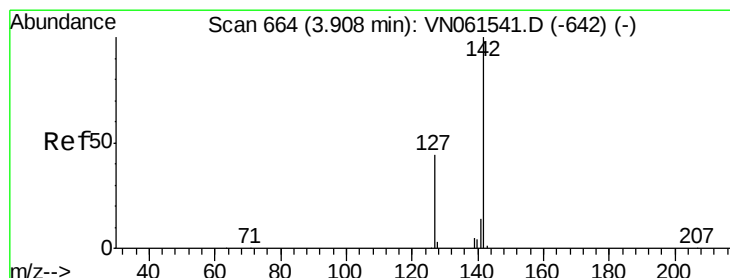
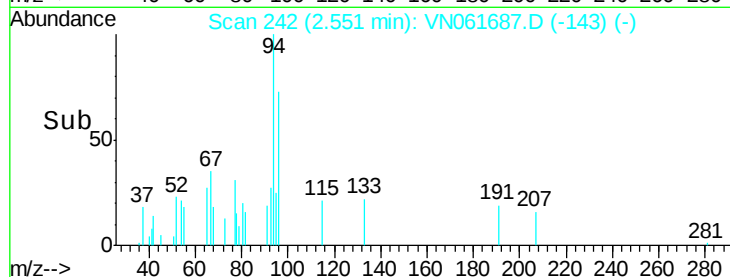
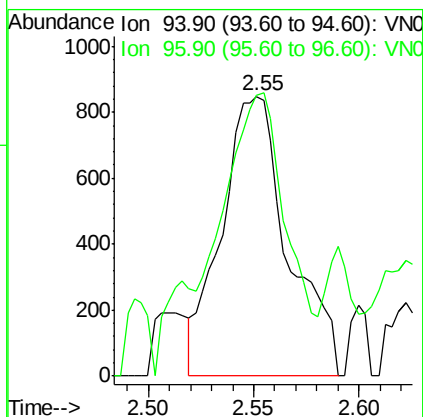
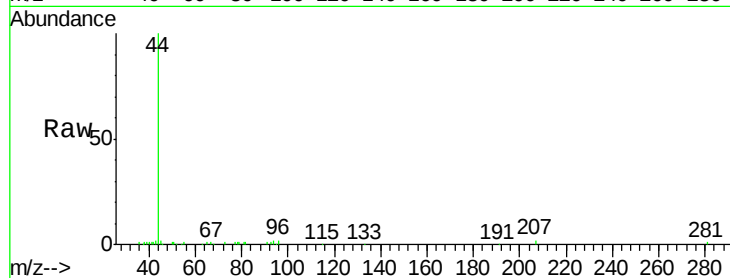
VN0608WBL01

Tgt Ion: 94 Resp: 1863

Ion Ratio Lower Upper

94 100

96 69.0 74.8 112.2#



#10

Methyl Iodide

Concen: 0.53 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

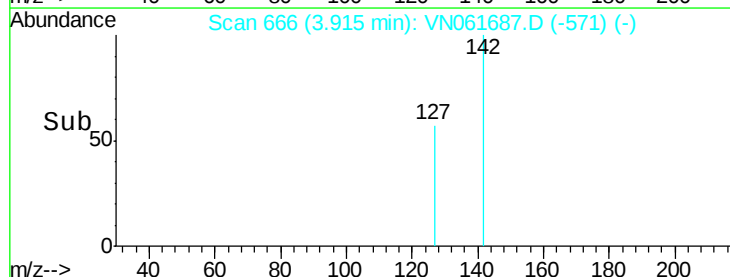
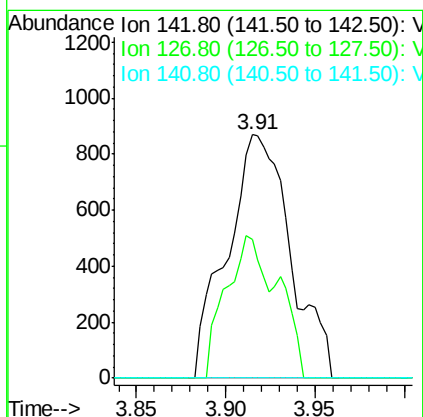
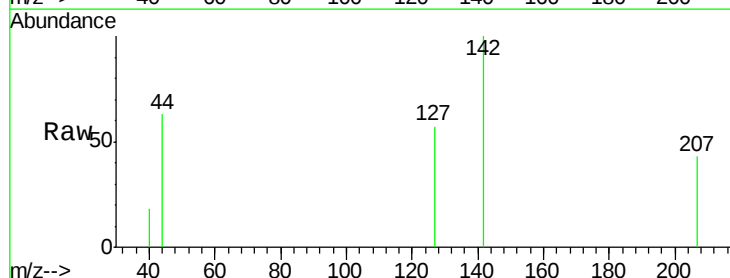
Tgt Ion: 142 Resp: 2152

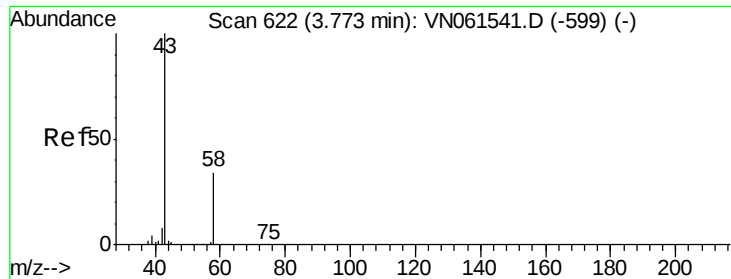
Ion Ratio Lower Upper

142 100

127 35.4 35.5 53.3#

141 0.0 11.5 17.3#

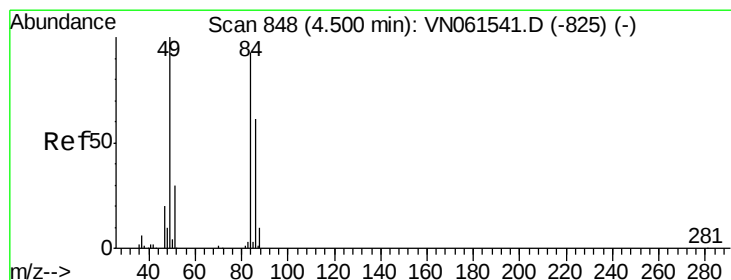
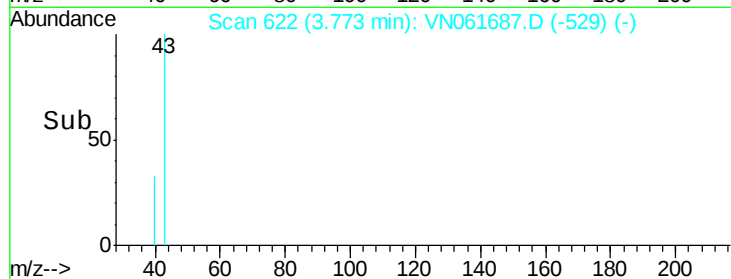
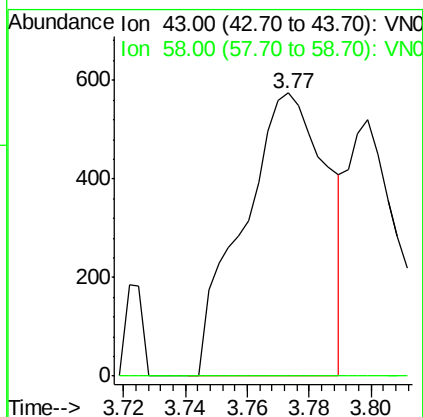
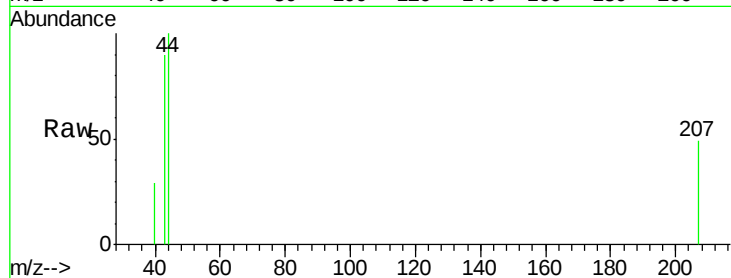




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 622
Delta R.T. 0.00 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

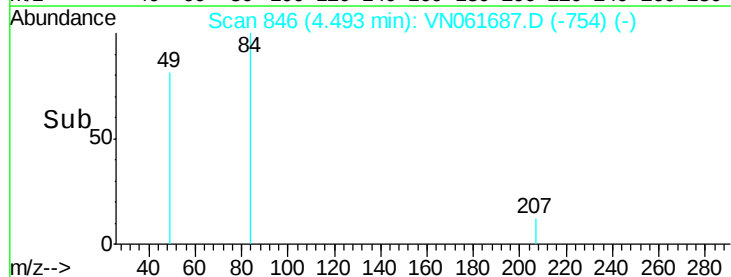
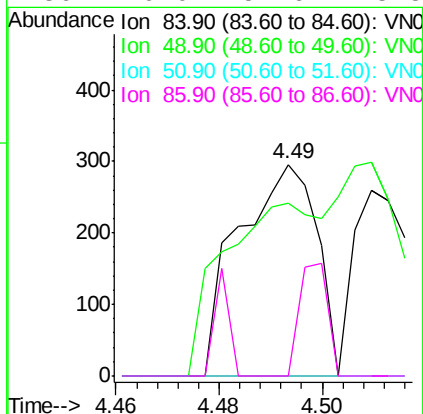
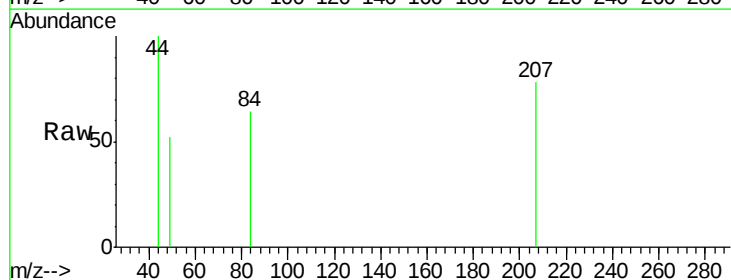
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

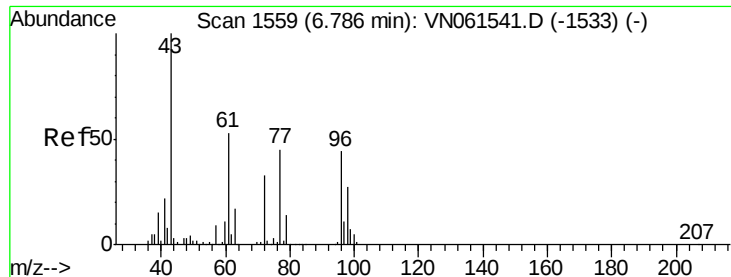
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

Tgt Ion: 84 Resp: 311
Ion Ratio Lower Upper
84 100
49 81.4 85.8 128.8#
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#

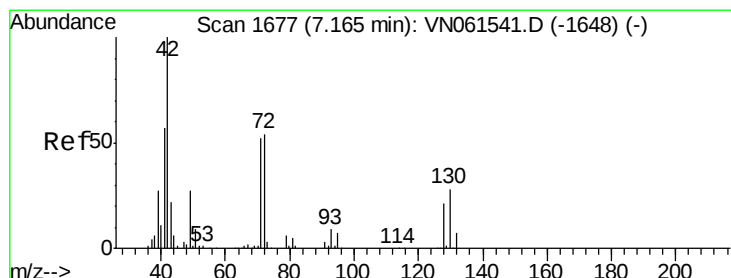
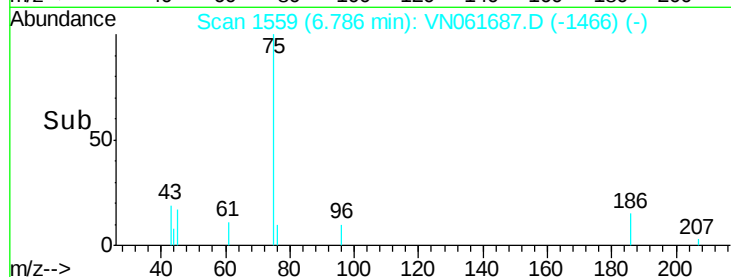
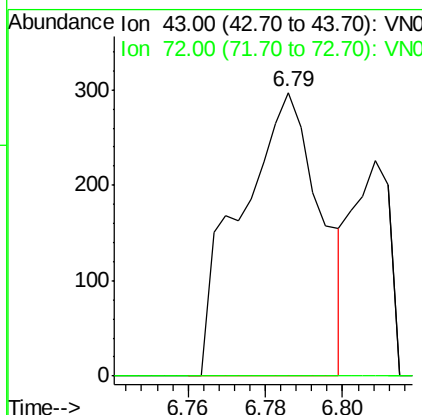
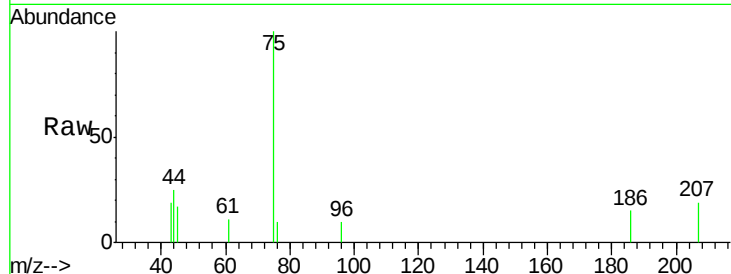




#25
2-Butanone
Concen: 0.25 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

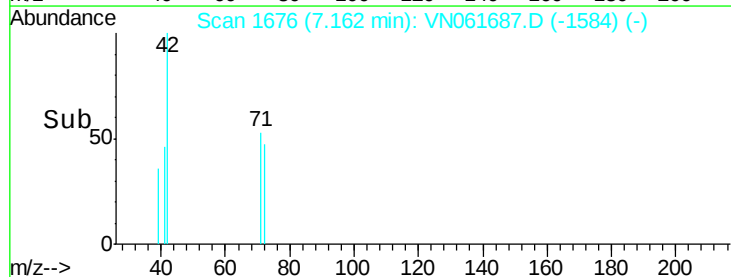
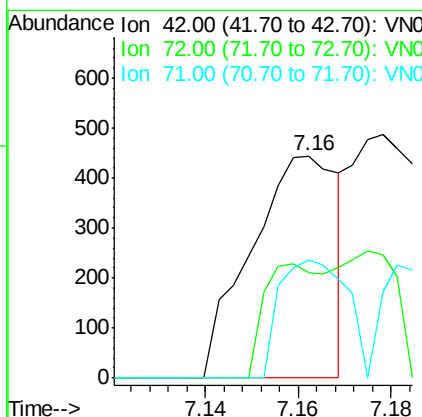
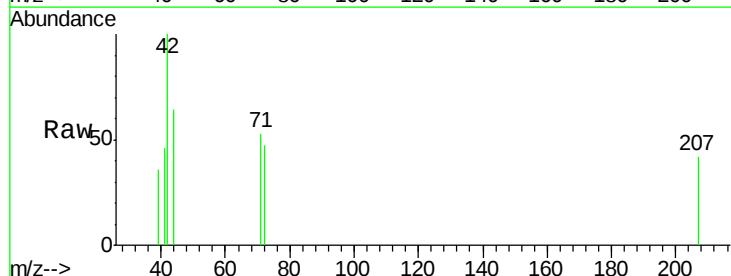
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

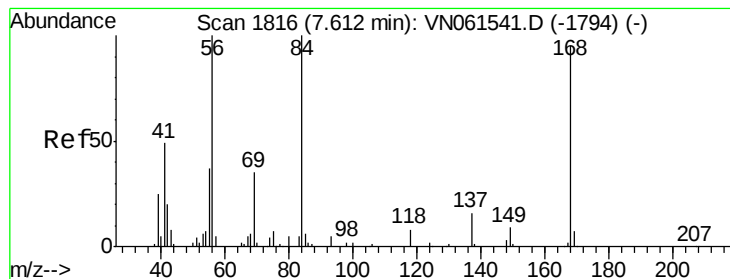
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#



#29
Tetrahydrofuran
Concen: 0.51 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

Tgt Ion: 42 Resp: 577
Ion Ratio Lower Upper
42 100
72 34.8 43.6 65.4#
71 41.4 41.2 61.8





#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

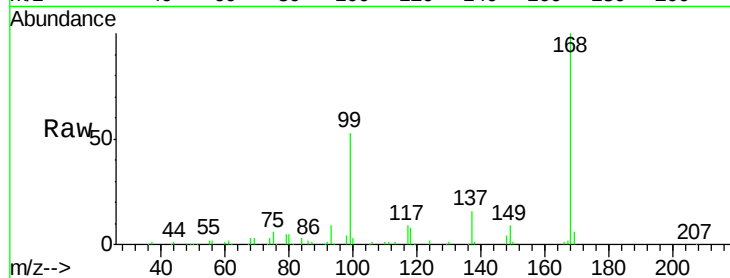
Tgt Ion: 56 Resp: 5623

Ion Ratio Lower Upper

56 100

69 170.9 27.8 41.8#

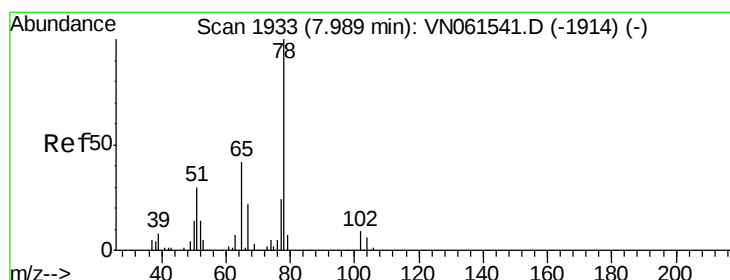
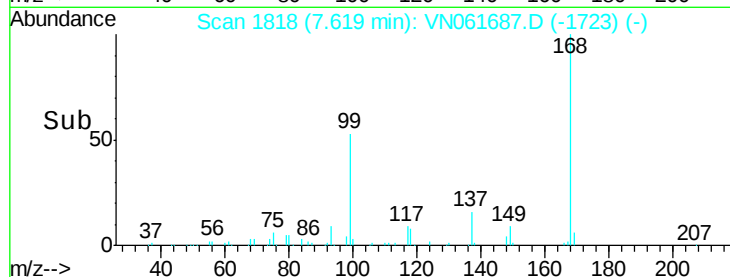
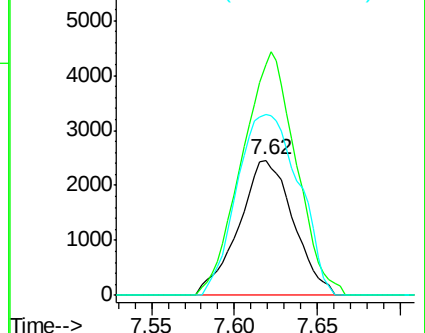
84 133.7 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.49 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061687.D

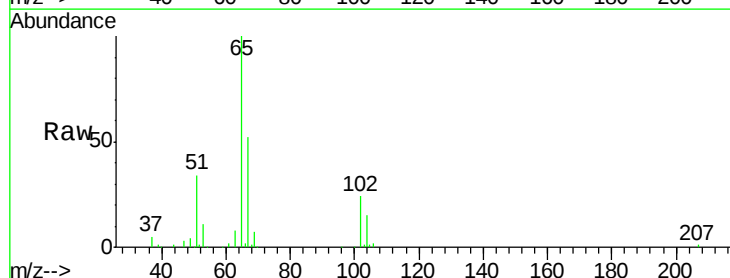
Acq: 8 Jun 2020 11:33

Tgt Ion: 65 Resp: 162079

Ion Ratio Lower Upper

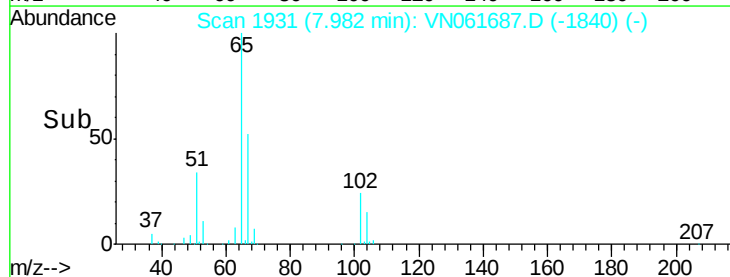
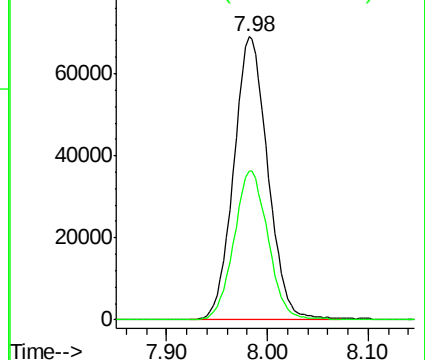
65 100

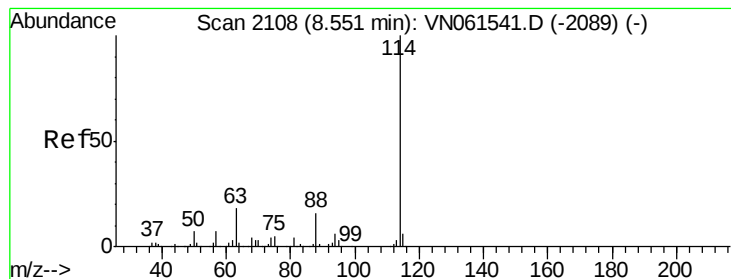
67 52.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

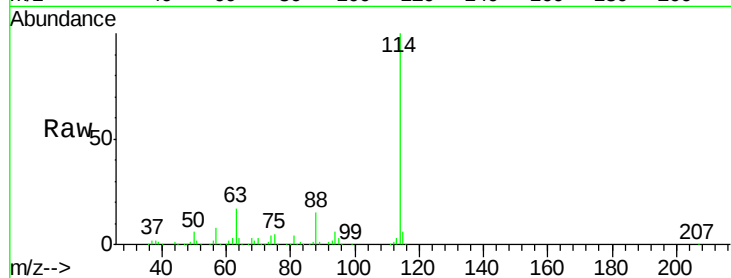
Tgt Ion:114 Resp: 499418

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.8

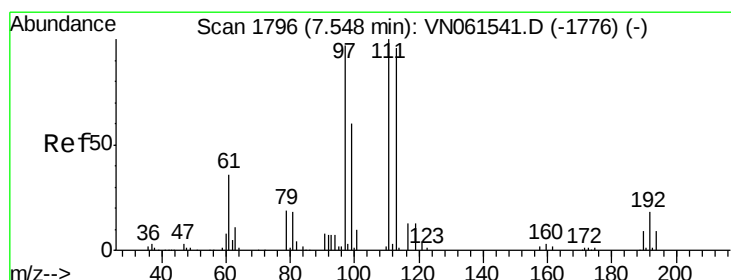
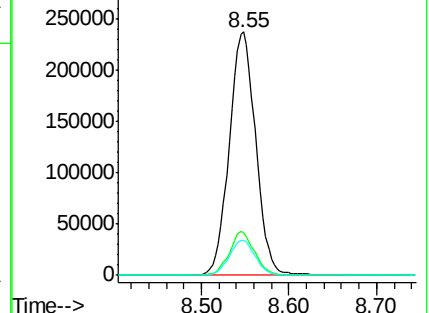
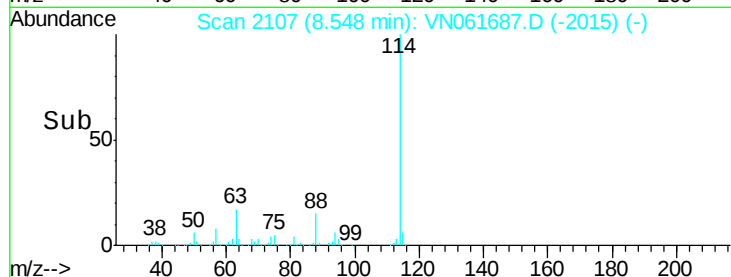
88 14.5 0.0 31.0



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: 56.20 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

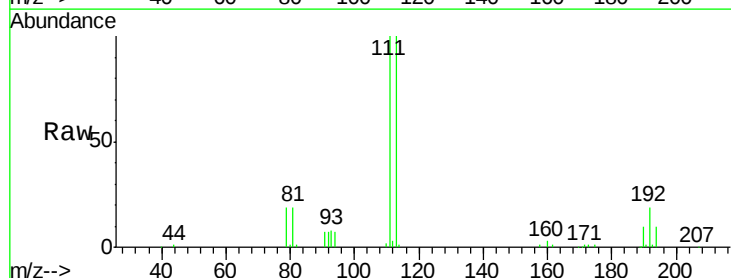
Tgt Ion:113 Resp: 142390

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.0

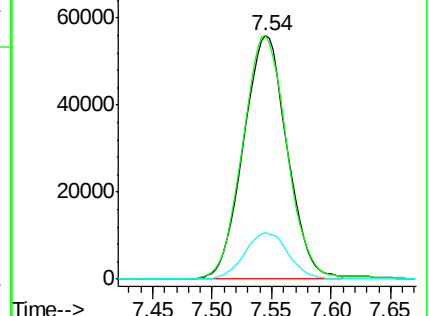
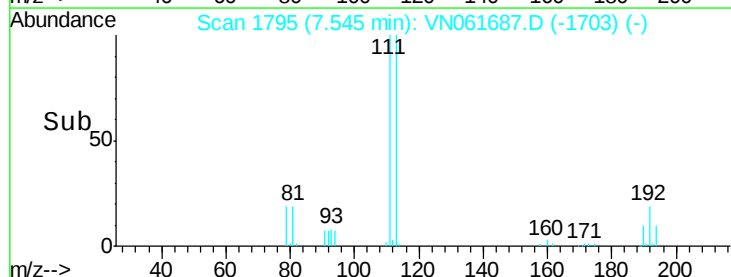
192 19.2 15.4 23.2

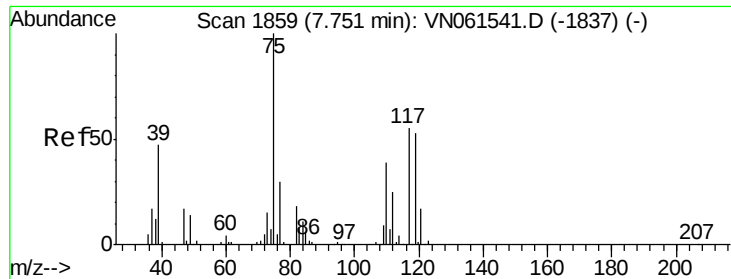


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

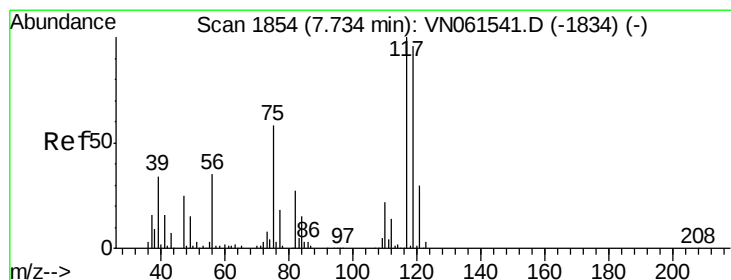
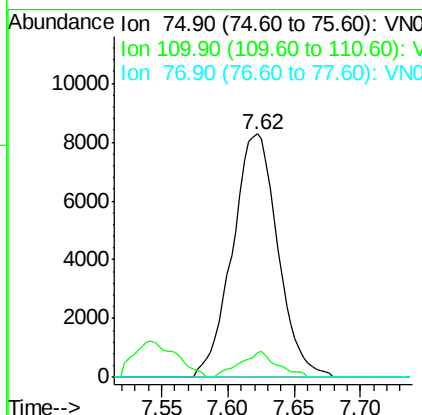
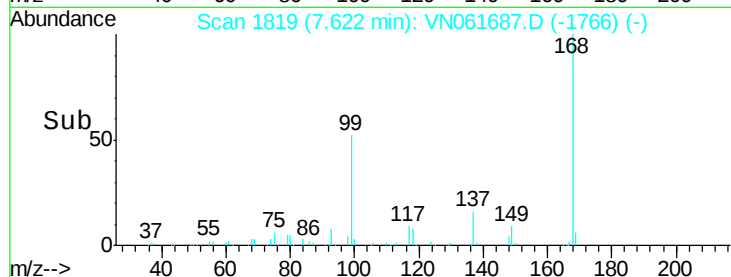
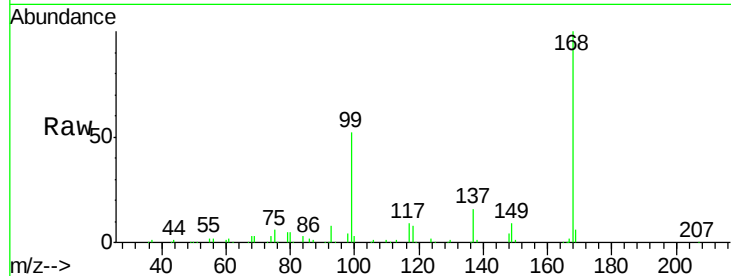




#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

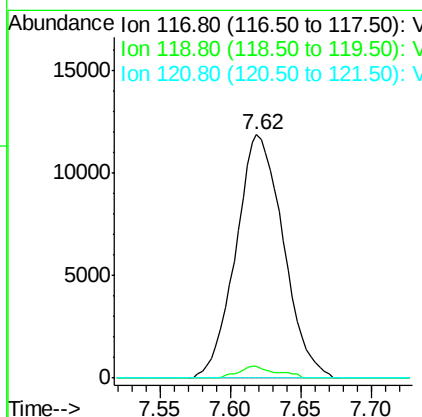
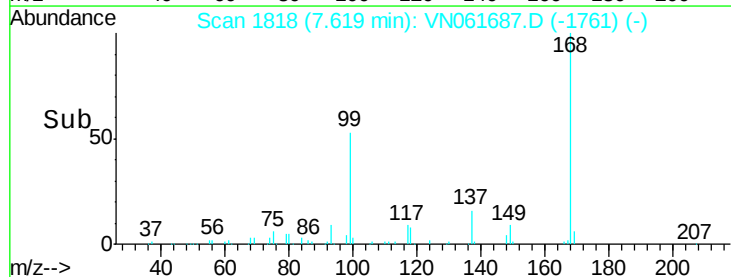
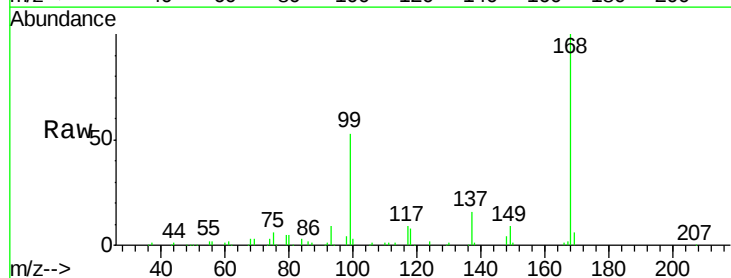
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBL01

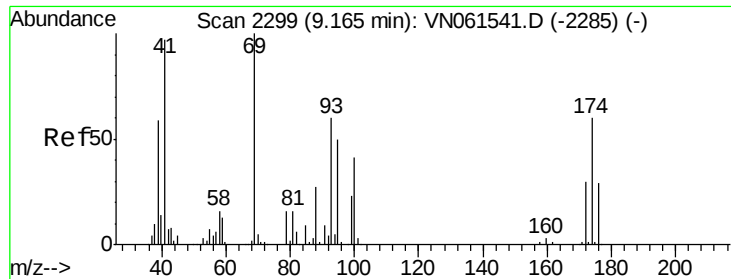
Tgt Ion: 75 Resp: 19757
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.53 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.12 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

Tgt Ion: 117 Resp: 27865
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.5 114.7#
 121 0.0 24.1 36.1#

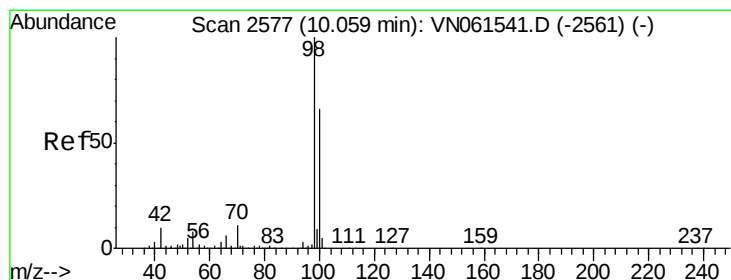
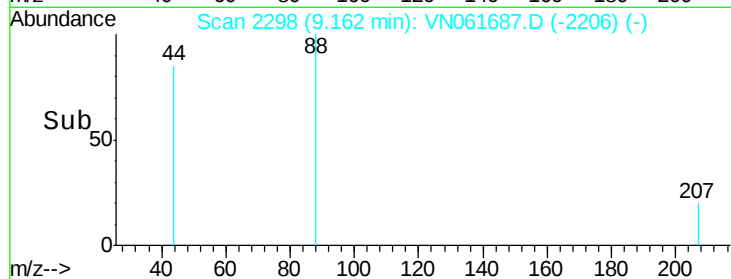
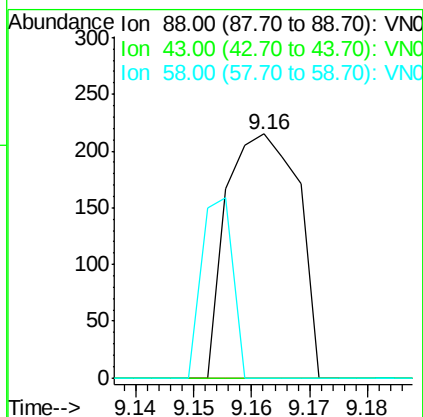
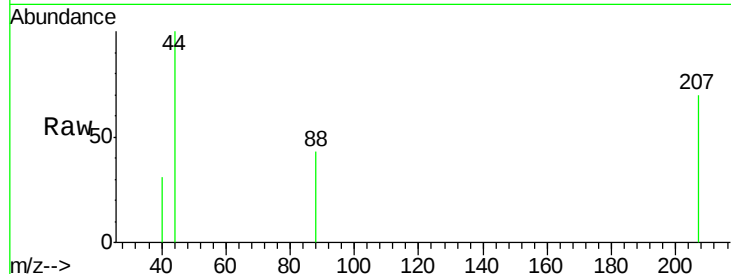




#49
 1,4-Dioxane
 Concen: 4.12 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

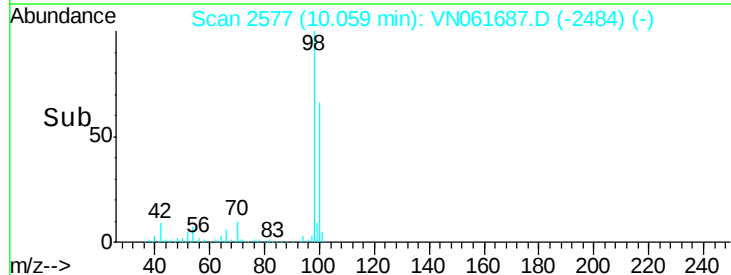
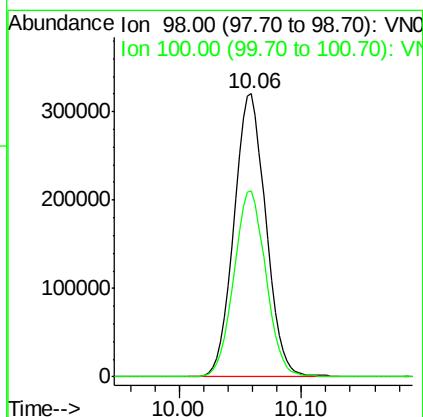
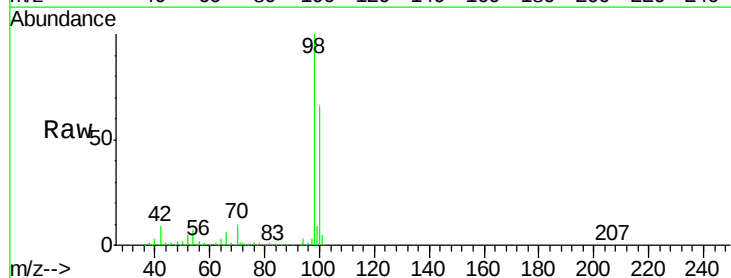
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01

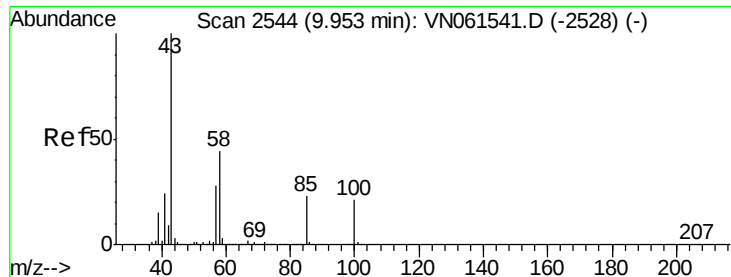
Tgt Ion: 88 Resp: 184
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 32.6 48.3 72.5#



#50
 Toluene-d8
 Concen: 49.57 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

Tgt Ion: 98 Resp: 581965
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.8 79.2

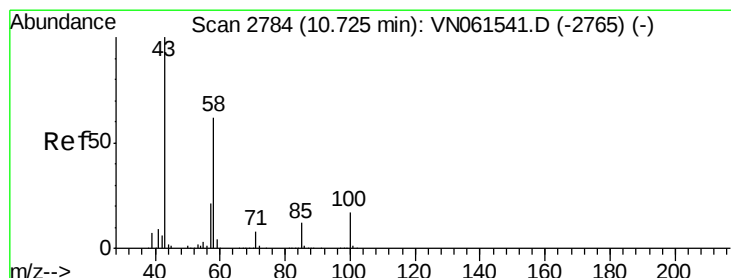
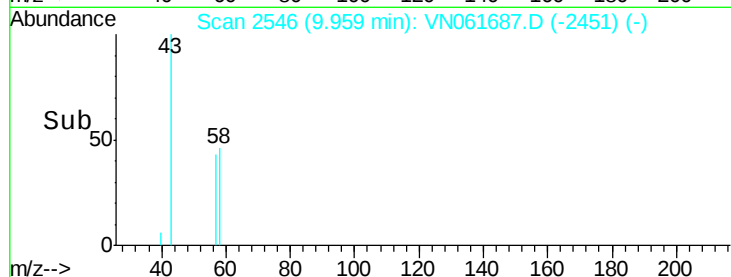
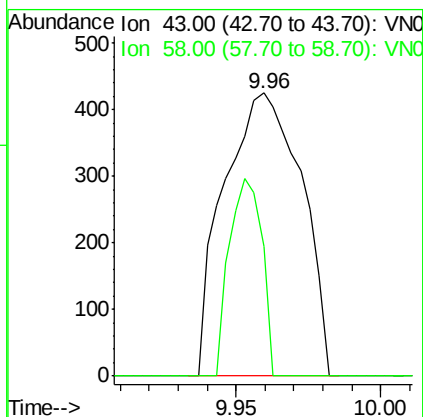
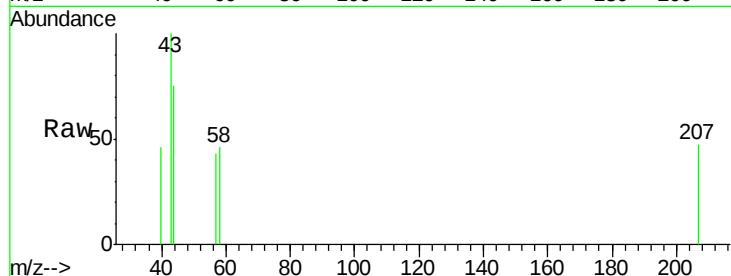




#51
 4-Methyl-2-Pentanone
 Concen: 0.22 ug/l
 RT: 9.96 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

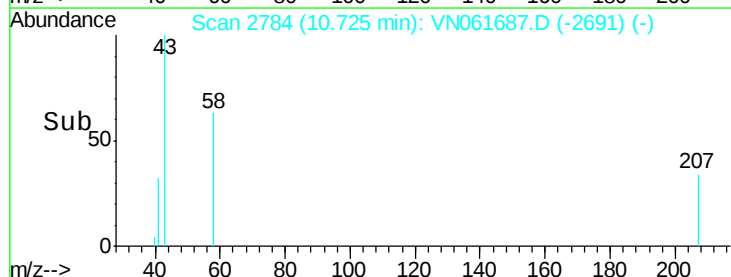
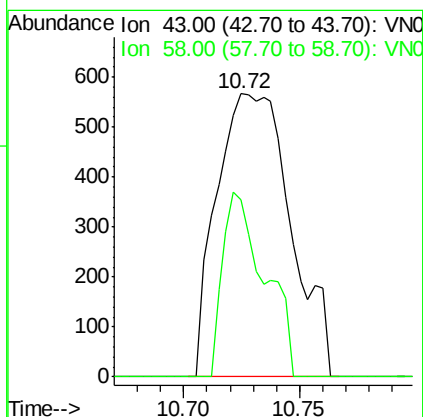
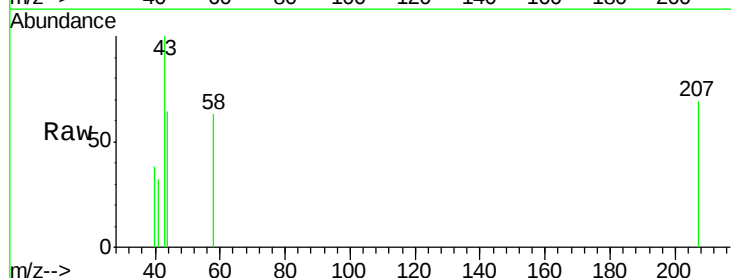
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01

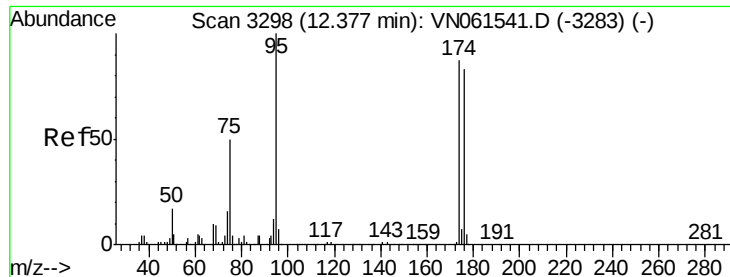
Tgt Ion: 43 Resp: 790
 Ion Ratio Lower Upper
 43 100
 58 28.9 35.0 52.6#



#59
 2-Hexanone
 Concen: 0.49 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

Tgt Ion: 43 Resp: 1258
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.7 92.1





#62

4-Bromofluorobenzene

Concen: 45.02 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

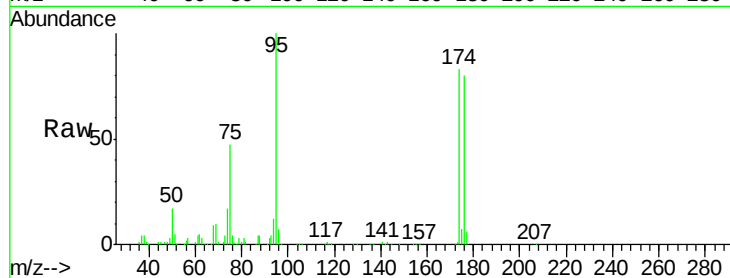
Tgt Ion: 95 Resp: 192815

Ion Ratio Lower Upper

95 100

174 86.5 0.0 172.8

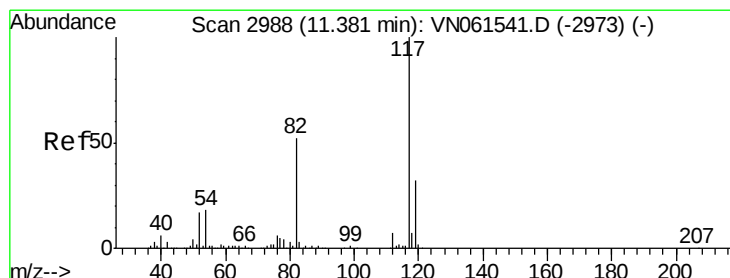
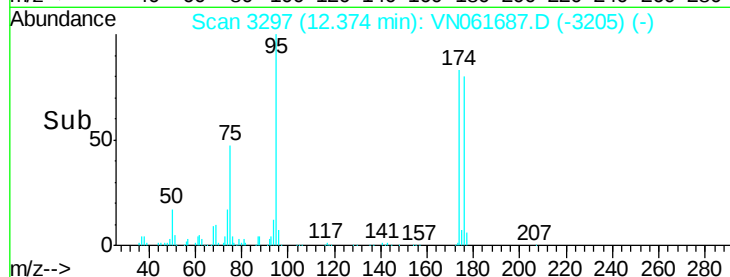
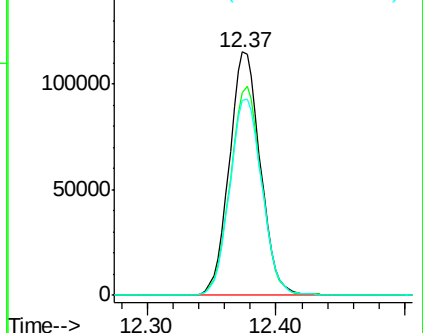
176 83.8 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

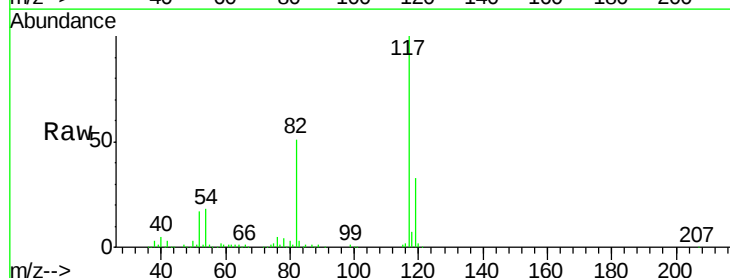
Tgt Ion: 117 Resp: 459448

Ion Ratio Lower Upper

117 100

82 51.3 41.5 62.3

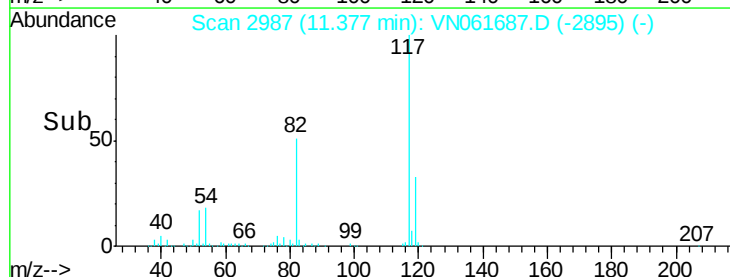
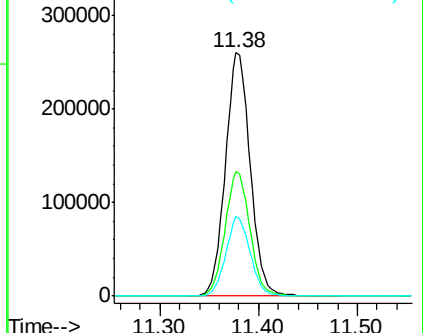
119 32.6 25.6 38.4

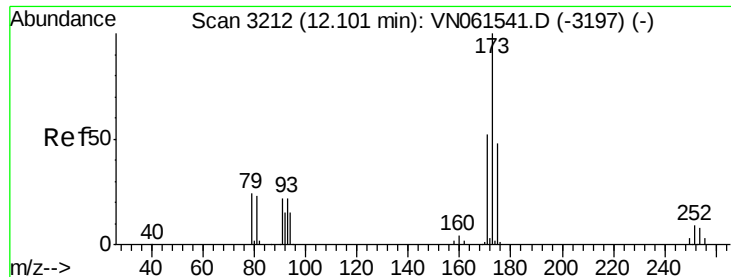


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)

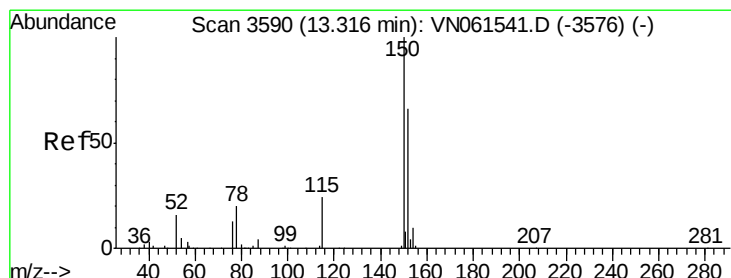
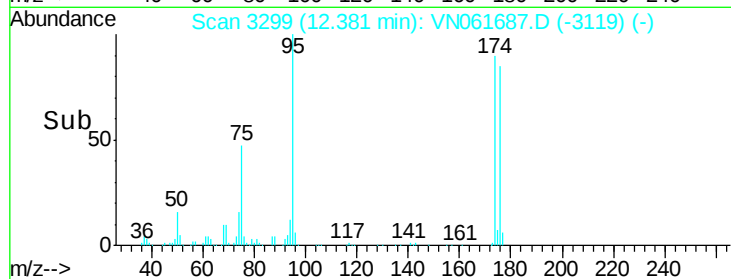
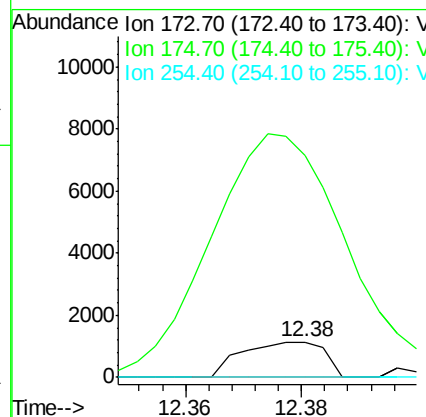
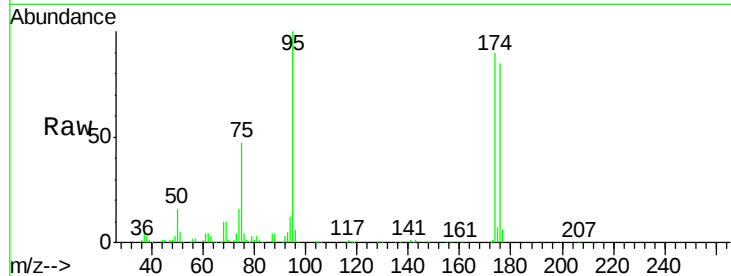




#71
Bromoform
Concen: 0.41 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

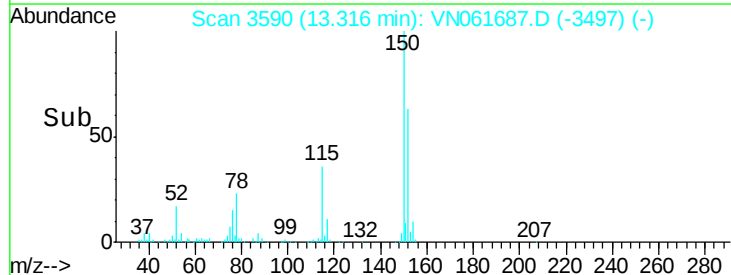
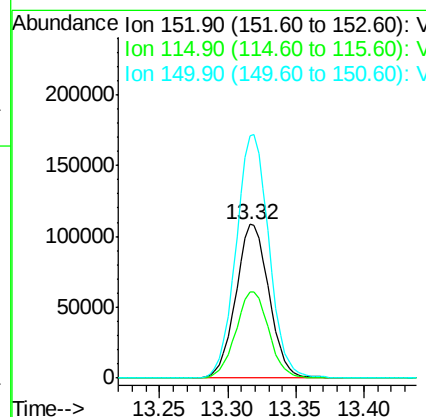
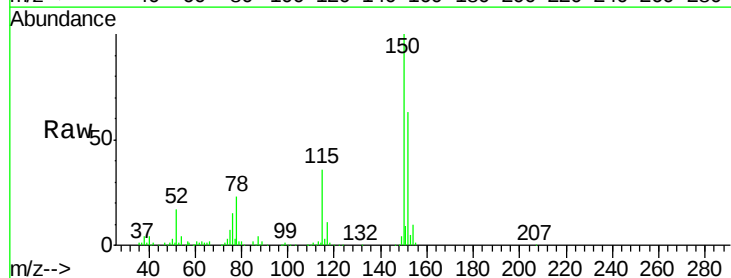
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

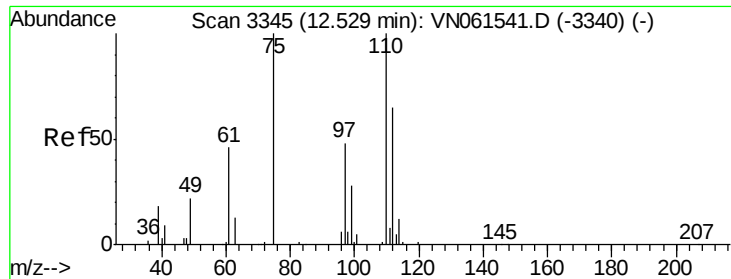
Tgt Ion:173 Resp: 1127
Ion Ratio Lower Upper
173 100
175 989.4 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061687.D
Acq: 8 Jun 2020 11:33

Tgt Ion:152 Resp: 183614
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 157.3 0.0 344.0





#76

1,2,3-Trichloropropane

Concen: 27.52 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

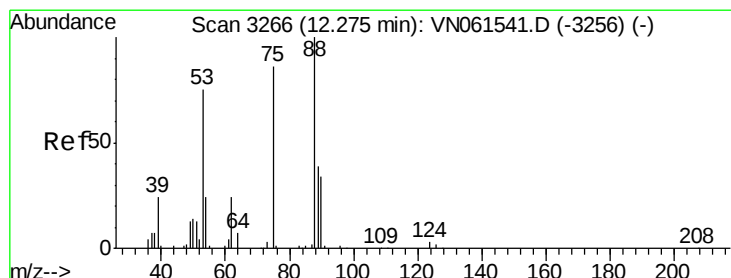
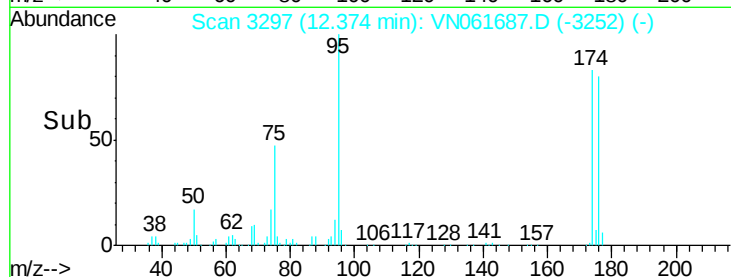
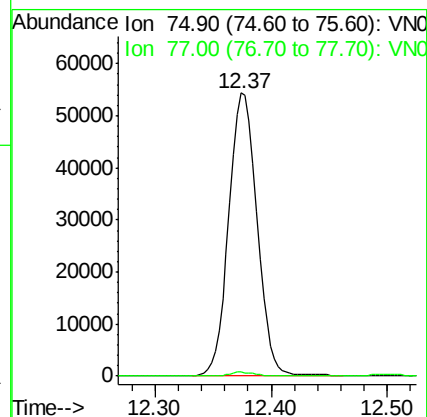
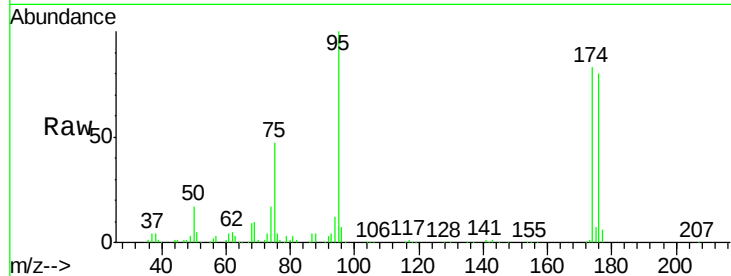
VN0608WBL01

Tgt Ion: 75 Resp: 91896

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.39 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

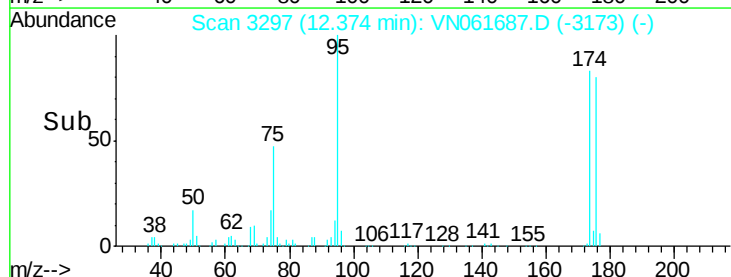
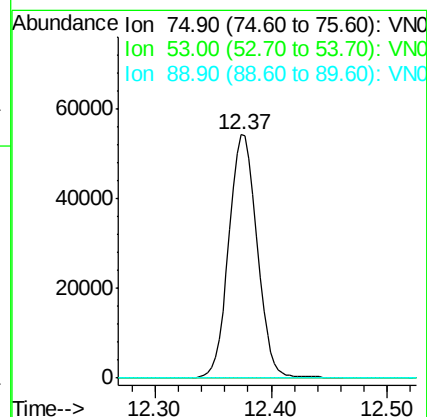
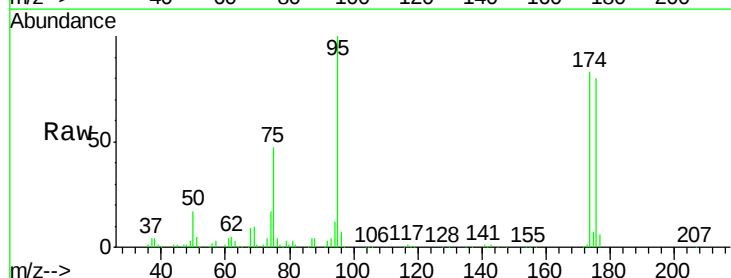
Tgt Ion: 75 Resp: 91896

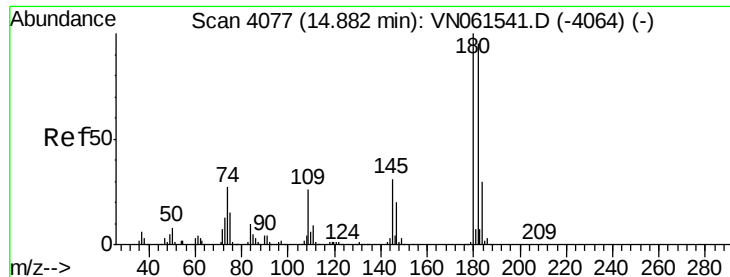
Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#

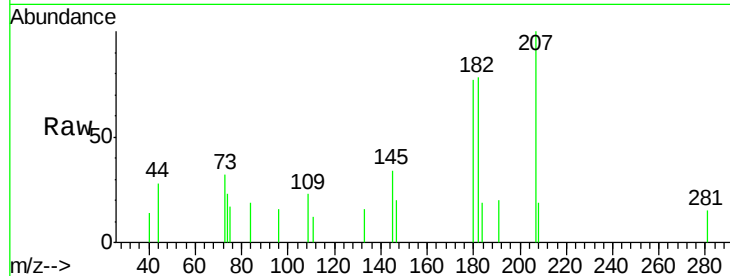




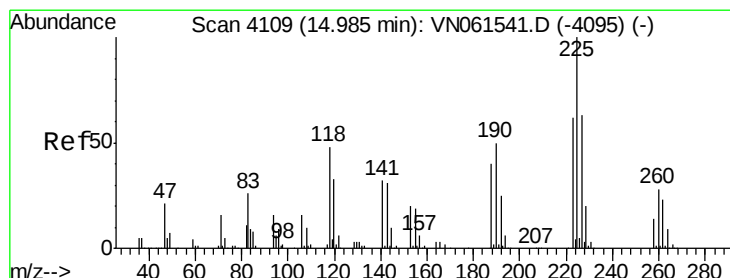
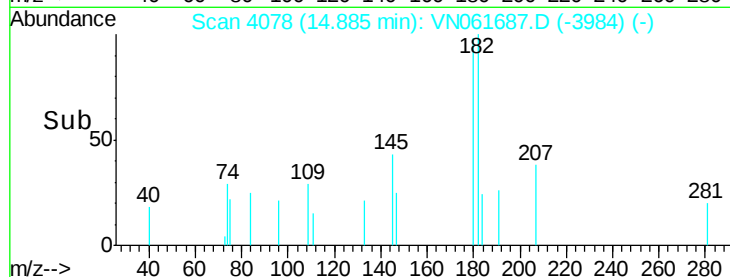
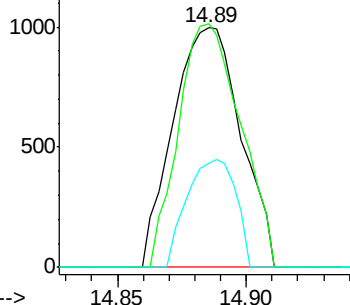
#93
 1,2,4-Trichlorobenzene
 Concen: 0.54 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBL01

Tgt Ion:180 Resp: 1830
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.8 143.3
 145 32.5 15.5 46.5

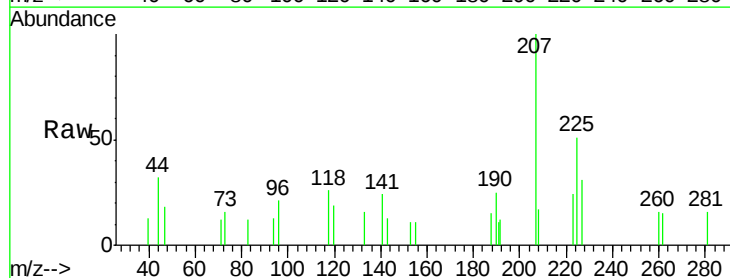


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

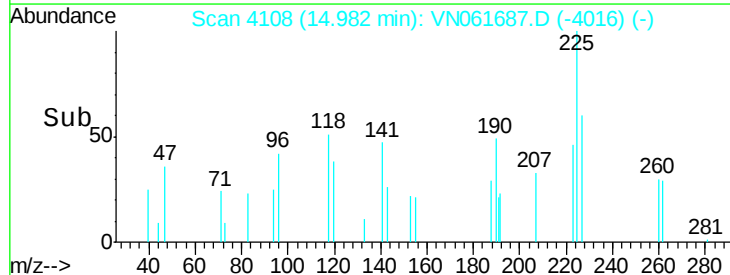
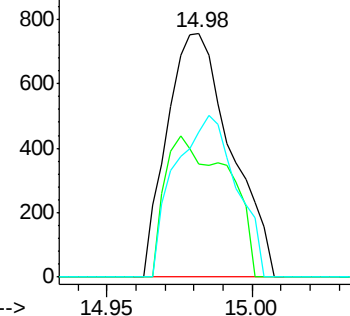


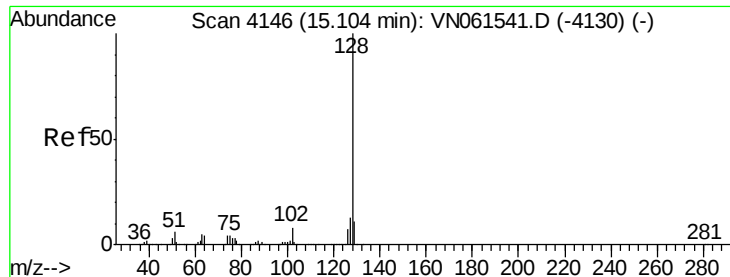
#94
 Hexachlorobutadiene
 Concen: 0.80 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061687.D
 Acq: 8 Jun 2020 11:33

Tgt Ion:225 Resp: 1155
 Ion Ratio Lower Upper
 225 100
 223 56.9 31.9 95.5
 227 63.5 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.76 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

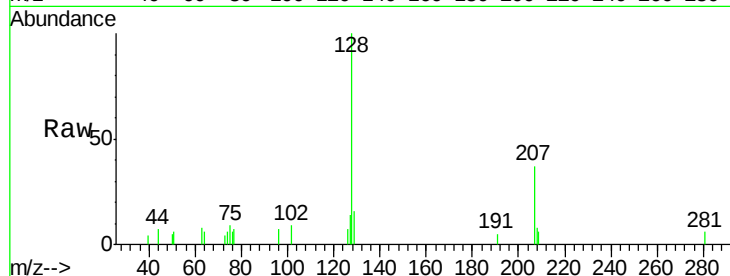
Tgt Ion:128 Resp: 7808

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

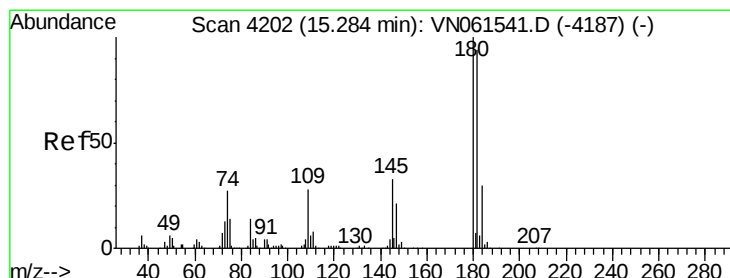
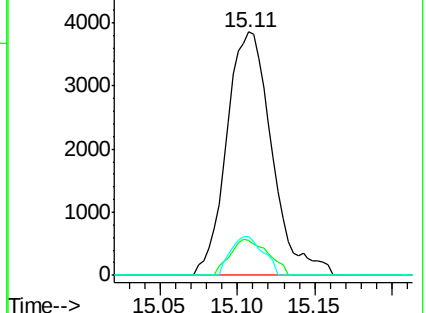
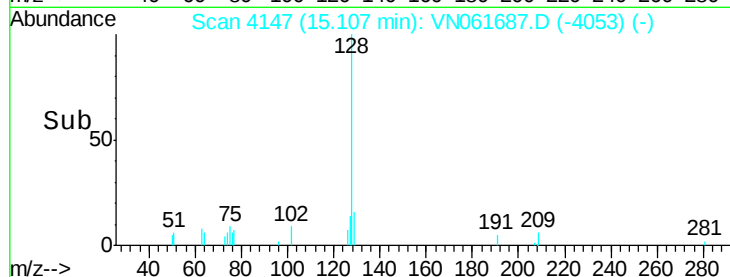
129 11.5 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 0.70 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061687.D

Acq: 8 Jun 2020 11:33

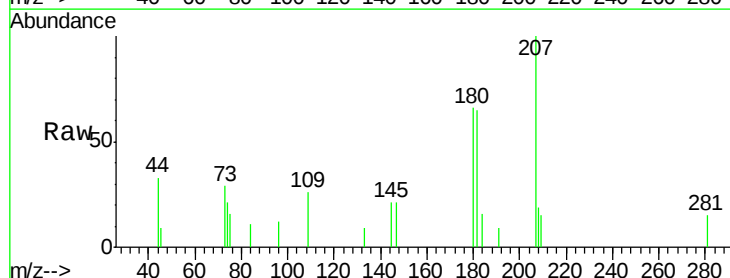
Tgt Ion:180 Resp: 2326

Ion Ratio Lower Upper

180 100

182 99.3 47.1 141.3

145 26.0 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

