

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049524.D
 Acq On : 25 Jun 2018 21:04
 Operator : MD\SY
 Sample : PB110537ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#09

Quant Time: Jun 26 01:43:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1134819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1825822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1481901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	382297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	774721	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	686938	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
50) Toluene-d8	10.09	98	2454730	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
62) 4-Bromofluorobenzene	12.41	95	598494	32.18	ug/l	0.00
Spiked Amount			Recovery	=	64.36%	

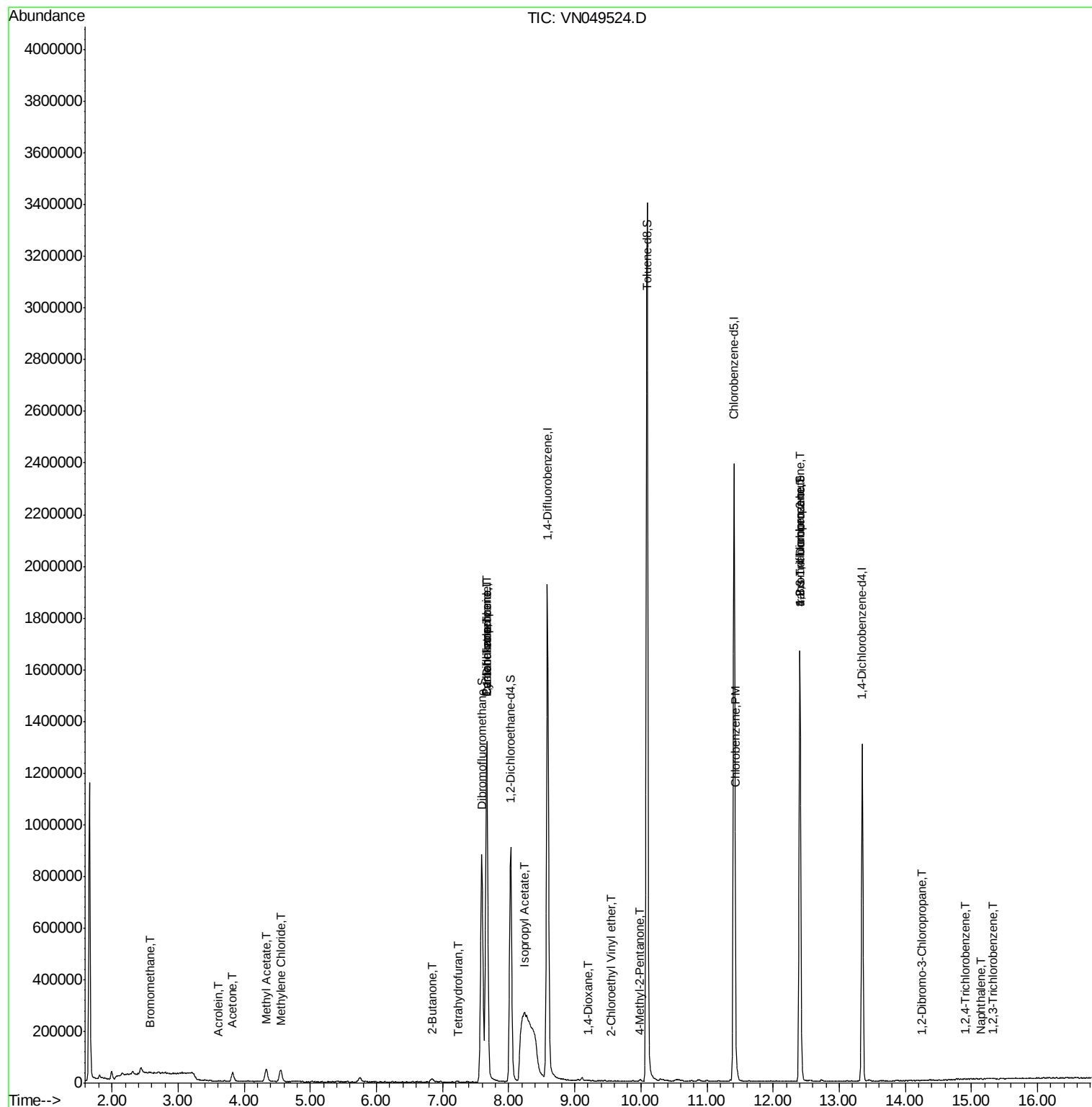
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3908	0.41	ug/l #	67
13) Acrolein	3.62	56	527	0.57	ug/l #	78
16) Acetone	3.82	43	55950	15.31	ug/l	94
18) Methyl Acetate	4.33	43	95184	8.54	ug/l	98
20) Methylene Chloride	4.55	84	35312	2.31	ug/l #	82
25) 2-Butanone	6.84	43	8091	1.65	ug/l	91
29) Tetrahydrofuran	7.23	42	1156	0.37	ug/l #	82
31) Cyclohexane	7.67	56	21113	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79327	3.79	ug/l #	50
38) Carbon Tetrachloride	7.67	117	101917	4.70	ug/l #	18
43) Isopropyl Acetate	8.24	43	454163	20.89	ug/l #	64
49) 1,4-Dioxane	9.21	88	427	3.02	ug/l #	63
51) 4-Methyl-2-Pentanone	9.99	43	5452	0.48	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.56	63	108	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	12703	0.33	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.41	83	404	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	290844	44.59	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	290844	140.92	ug/l #	8
90) Hexachloroethane	13.97	117	63	Below Cal	#	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	459	0.39	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.90	180	333	4.79	ug/l #	30
94) Hexachlorobutadiene	15.01	225	62	Below Cal	#	18
95) Naphthalene	15.13	128	554	2.13	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	159	3.48	ug/l #	71

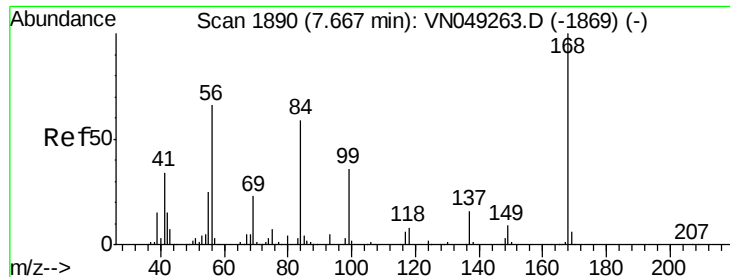
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062518\
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Quant Time: Jun 26 01:43:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

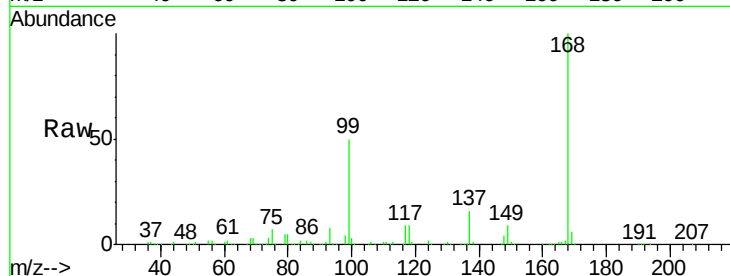
PB110537ZHE#09

Tot Ion:168 Resp: 1134819

Ion Ratio Lower Upper

168 100

99 50.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

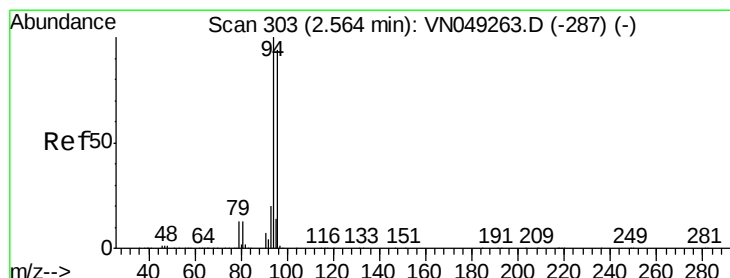
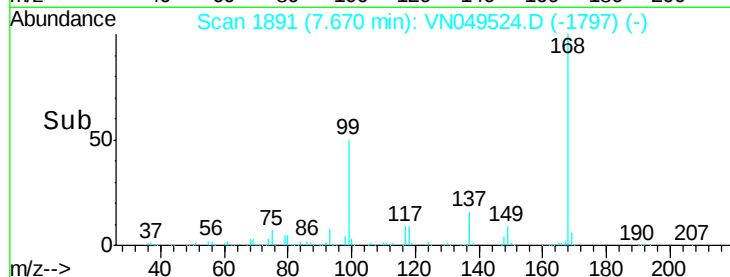
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.41 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049524.D

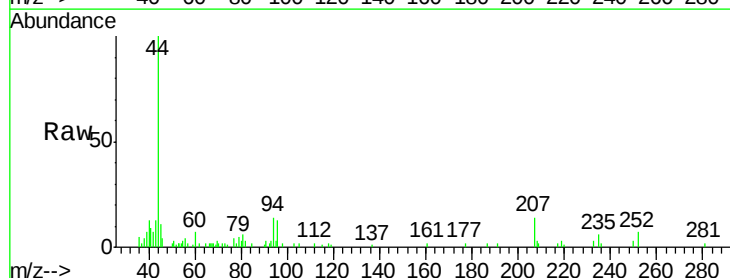
Acq: 25 Jun 2018 21:04

Tgt Ion: 94 Resp: 3908

Ion Ratio Lower Upper

94 100

96 59.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

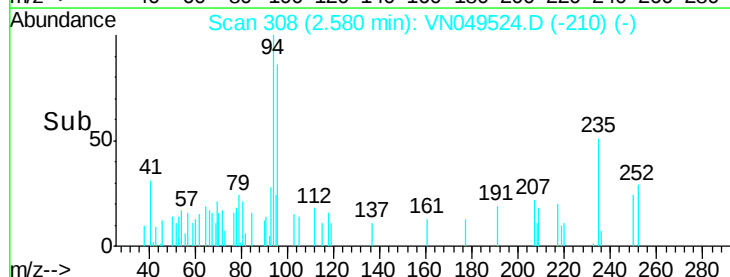
1500

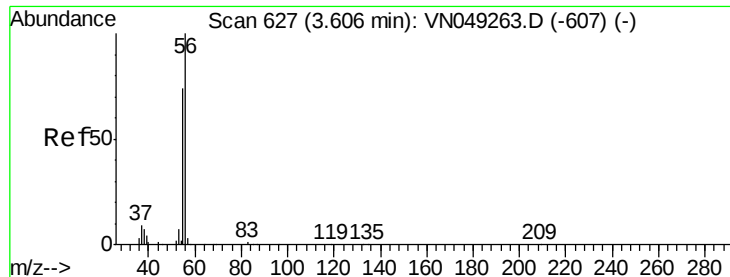
1000

500

0

Time-->





#13

Acrolein

Concen: 0.57 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

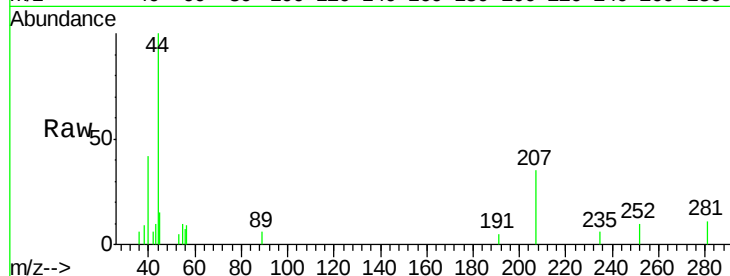
PB110537ZHE#09

Tot Ion: 56 Resp: 527

Ion Ratio Lower Upper

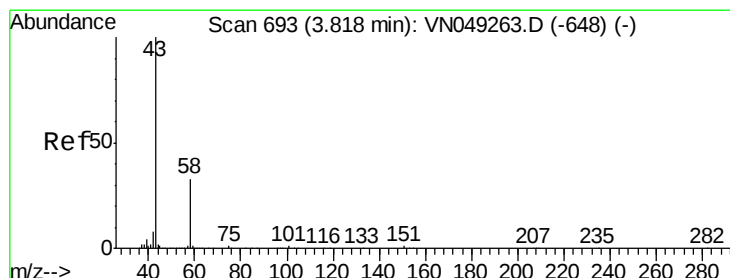
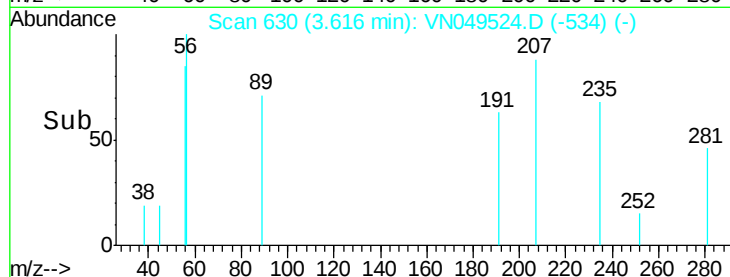
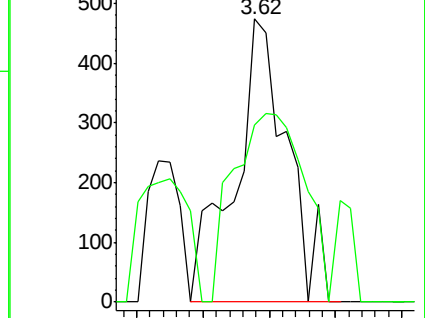
56 100

55 89.9 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 15.31 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049524.D

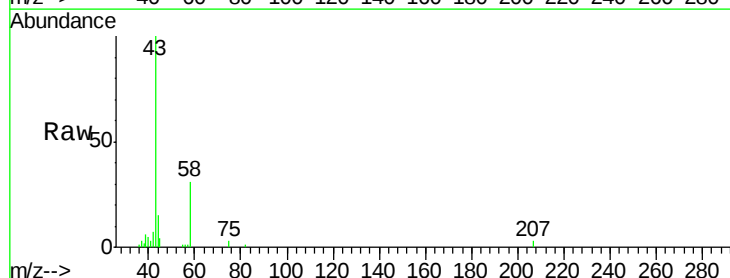
Acq: 25 Jun 2018 21:04

Tgt Ion: 43 Resp: 55950

Ion Ratio Lower Upper

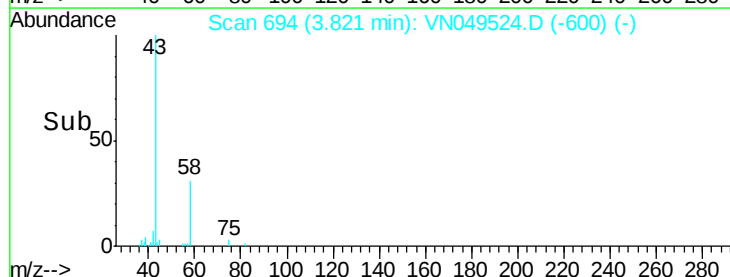
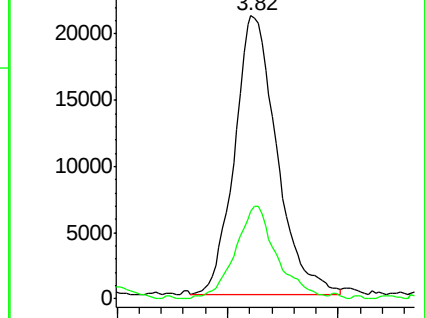
43 100

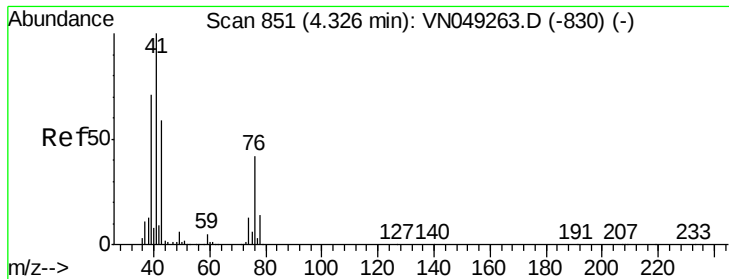
58 31.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

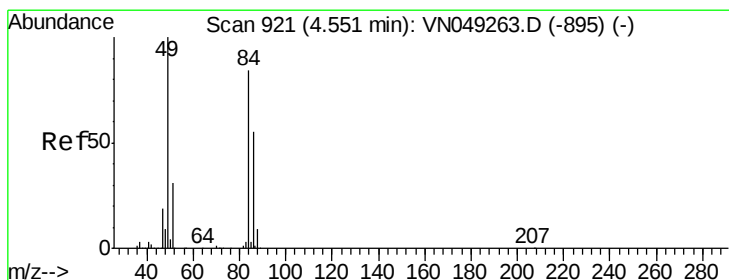
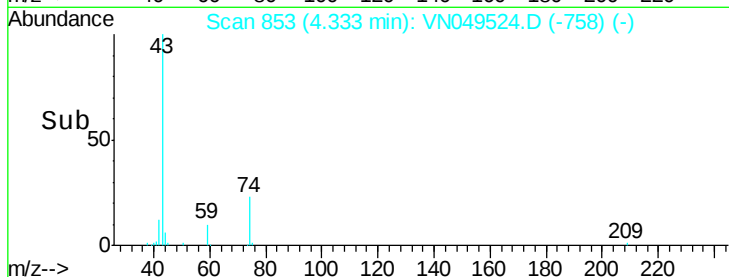
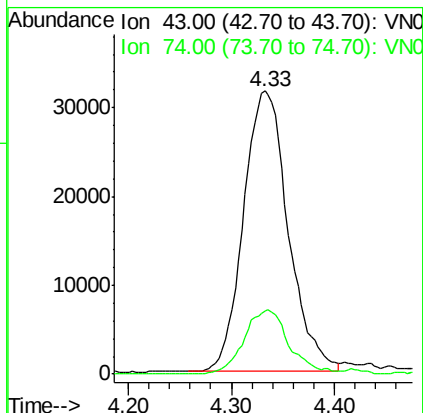
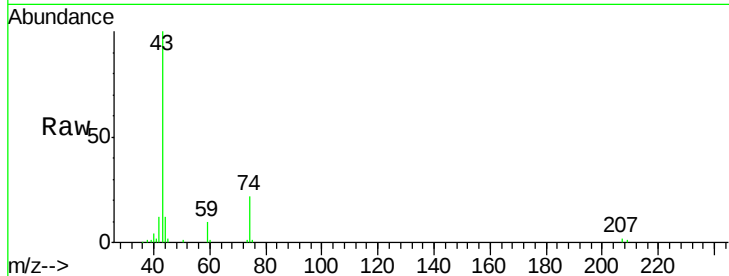




#18
Methvl Acetate
Concen: 8.54 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

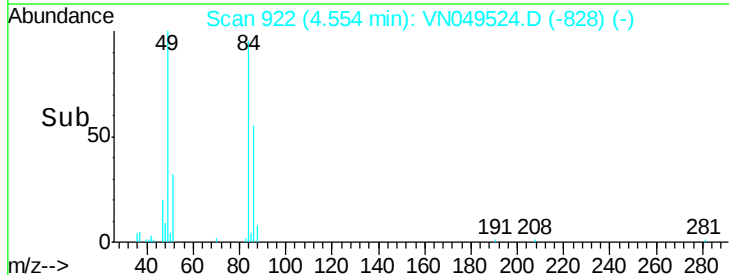
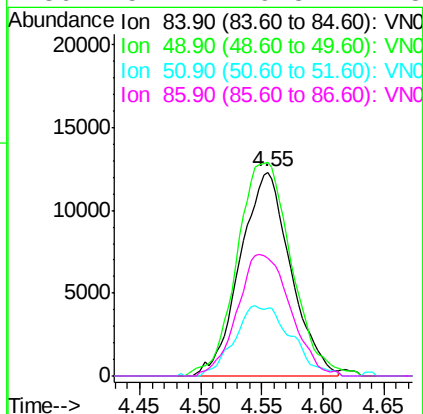
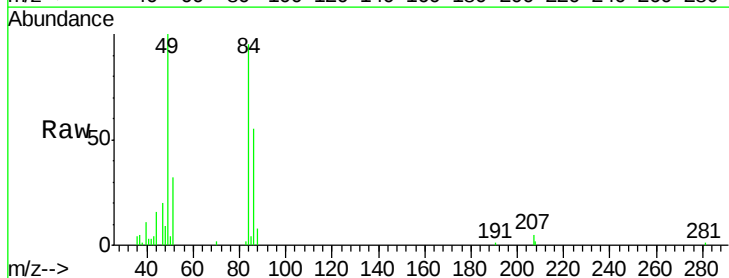
Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#09

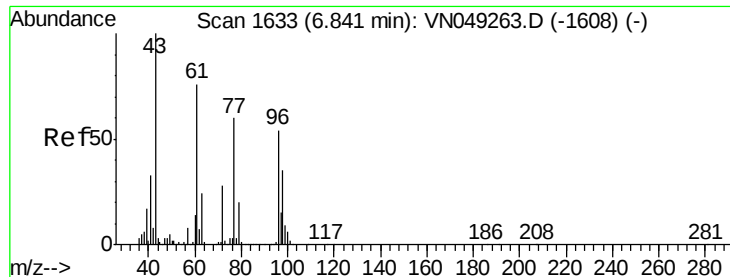
Tot Ion: 43 Resp: 95184
Ion Ratio Lower Upper
43 100
74 22.5 17.4 26.0



#20
Methylene Chloride
Concen: 2.31 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

Tgt Ion: 84 Resp: 35312
Ion Ratio Lower Upper
84 100
49 103.5 106.9 160.3#
51 33.6 32.7 49.1
86 57.7 49.8 74.8

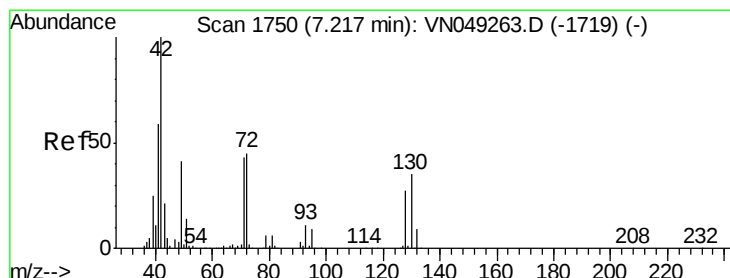
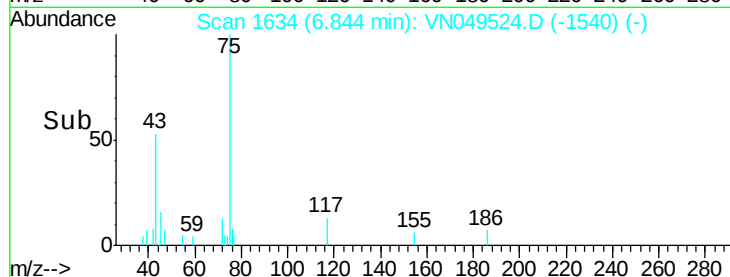
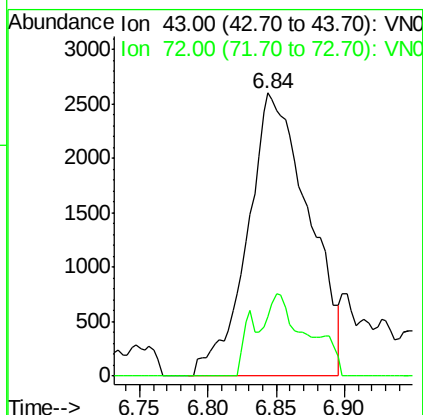
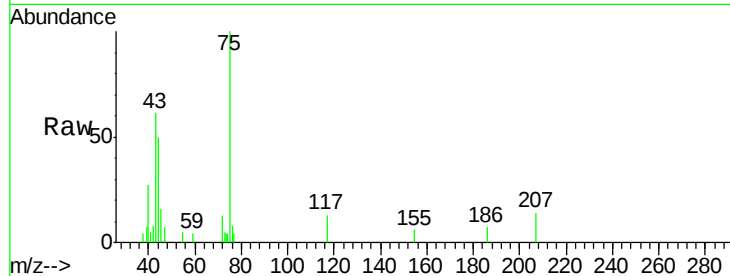




#25
2-Butanone
Concen: 1.65 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

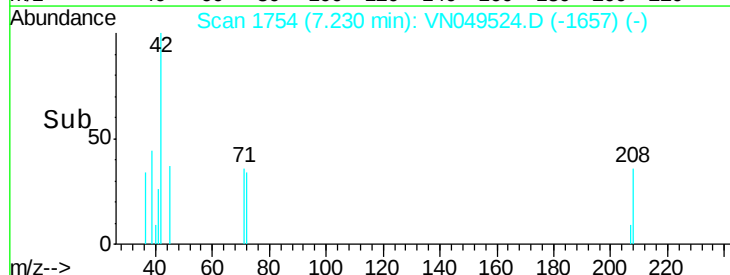
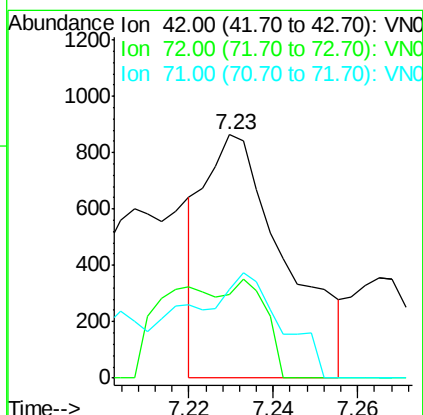
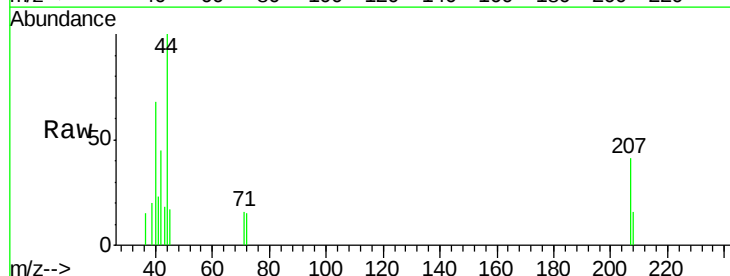
Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#09

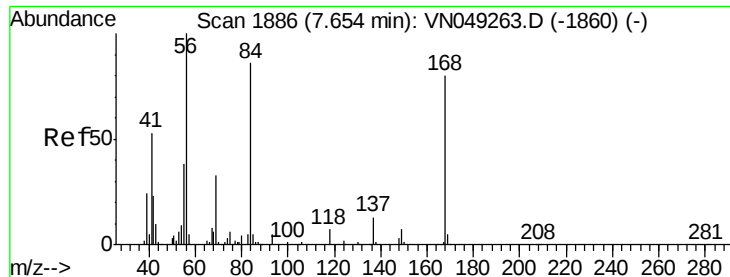
Tot Ion: 43 Resp: 8091
Ion Ratio Lower Upper
43 100
72 20.9 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

Tgt Ion: 42 Resp: 1156
Ion Ratio Lower Upper
42 100
72 29.0 32.2 48.4#
71 49.2 30.5 45.7#

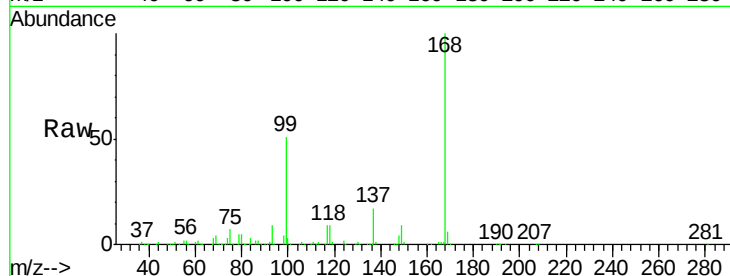




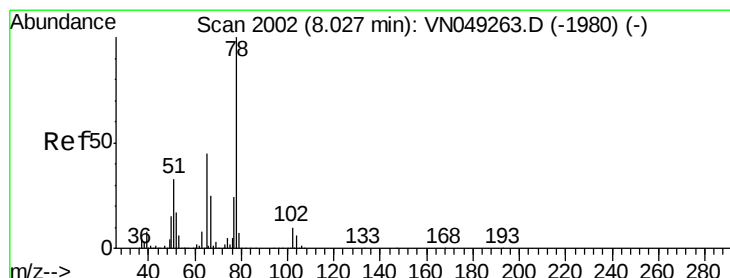
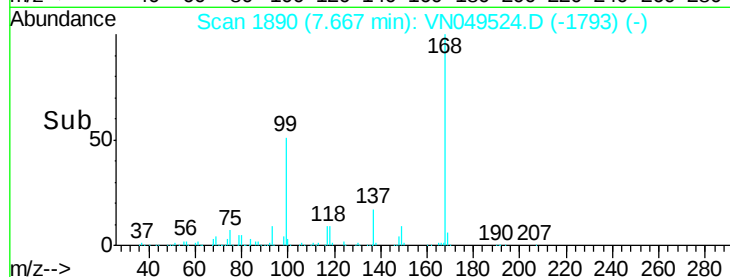
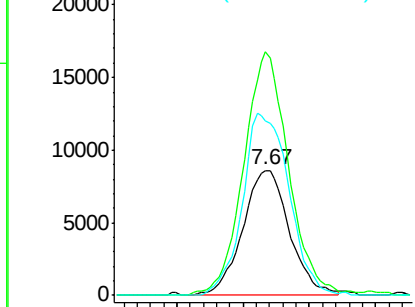
#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#09

Tot Ion: 56 Resp: 21113
Ion Ratio Lower Upper
56 100
69 194.6 25.0 37.4#
84 139.5 64.6 96.8#

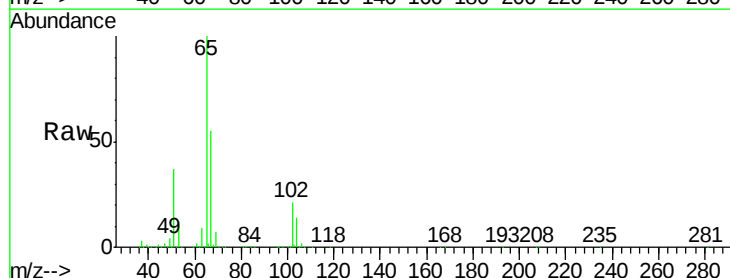


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

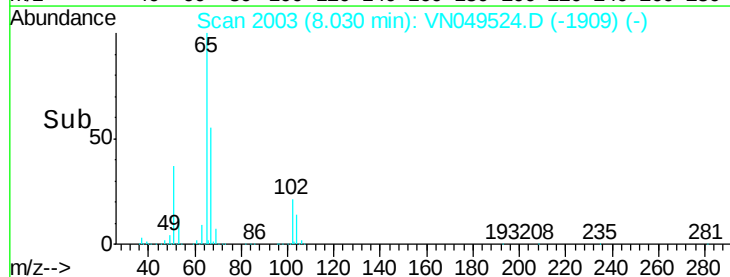
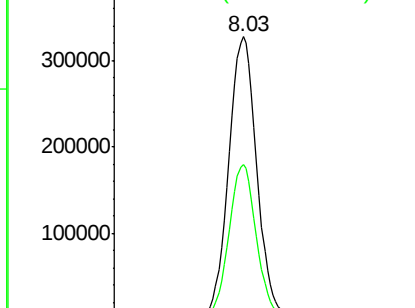


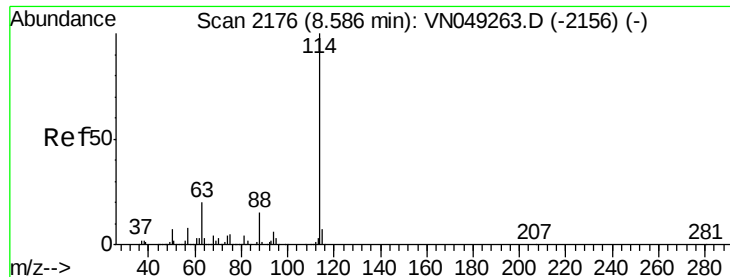
#33
1,2-Dichloroethane-d4
Concen: 51.47 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

Tgt Ion: 65 Resp: 774721
Ion Ratio Lower Upper
65 100
67 54.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

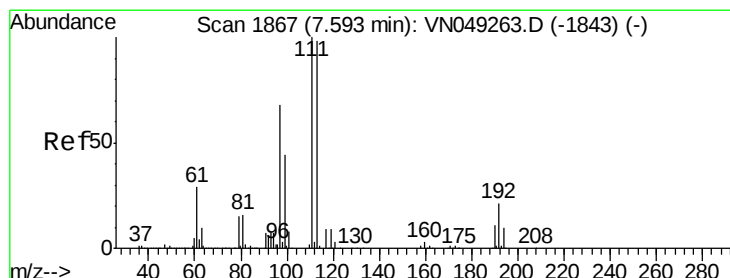
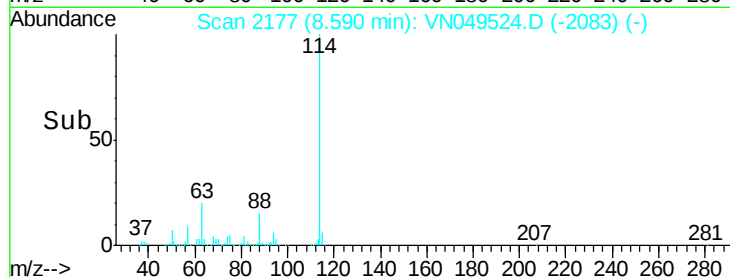
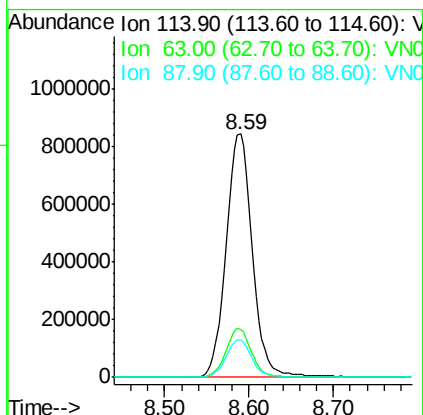
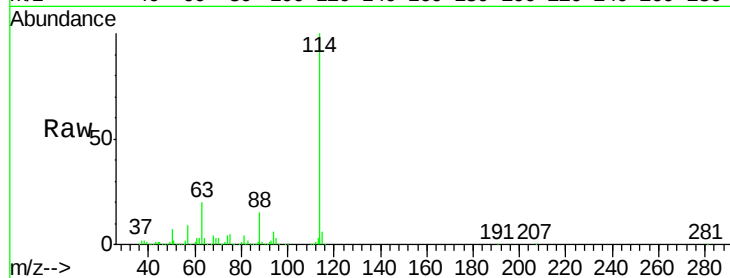




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

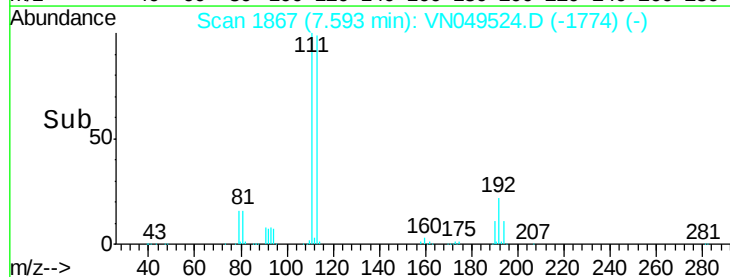
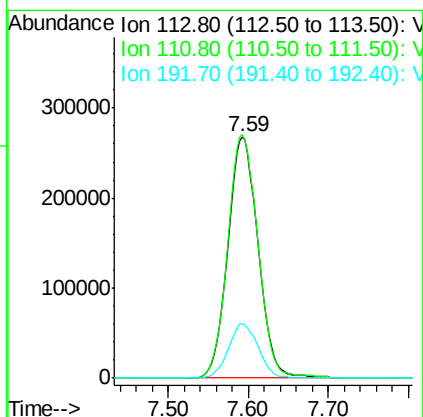
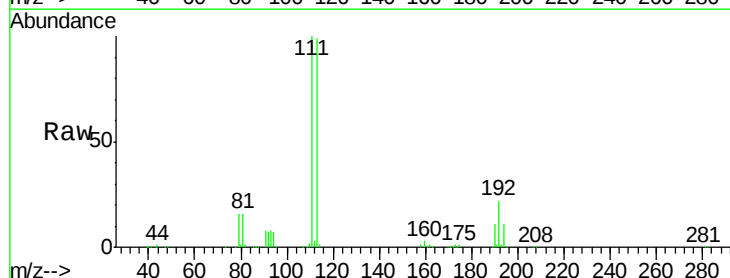
Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#09

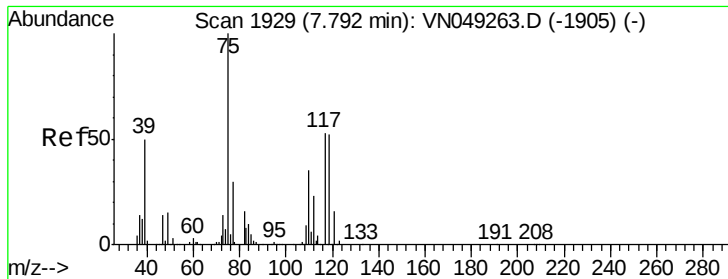
Tot Ion:114 Resp: 1825822
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.4
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 46.50 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049524.D
Acq: 25 Jun 2018 21:04

Tgt Ion:113 Resp: 686938
Ion Ratio Lower Upper
113 100
111 101.2 82.4 123.6
192 22.2 15.0 22.6

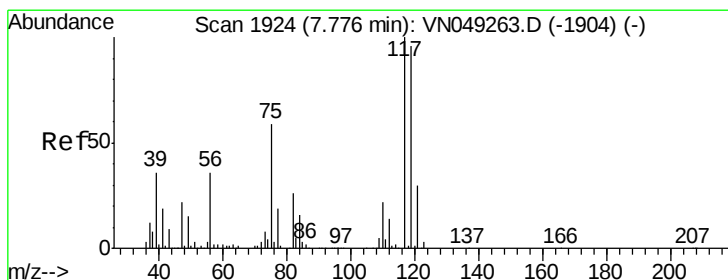
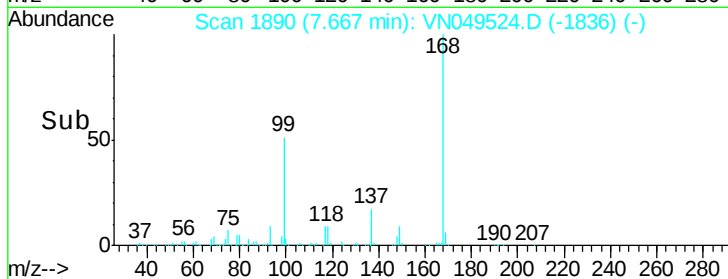
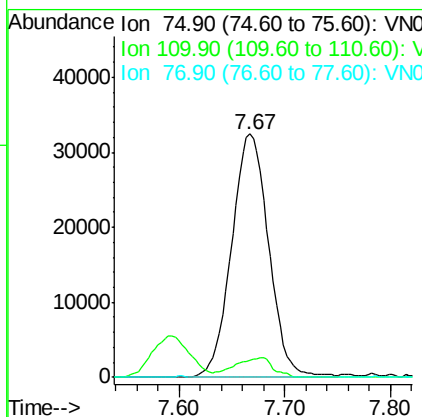
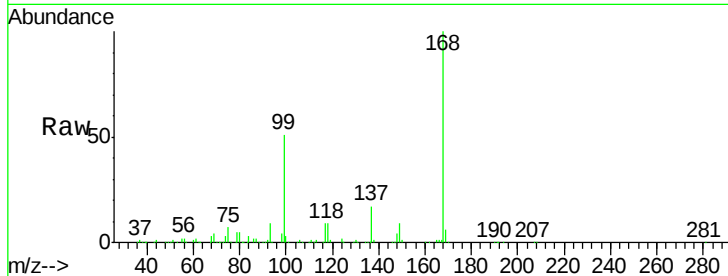




#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

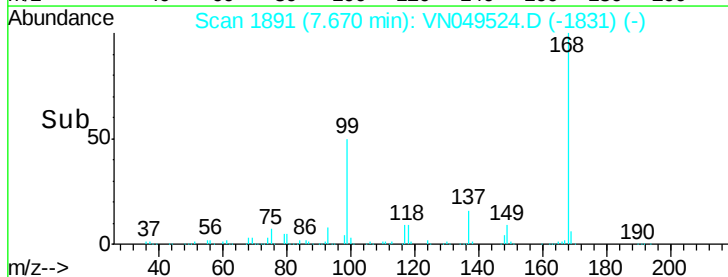
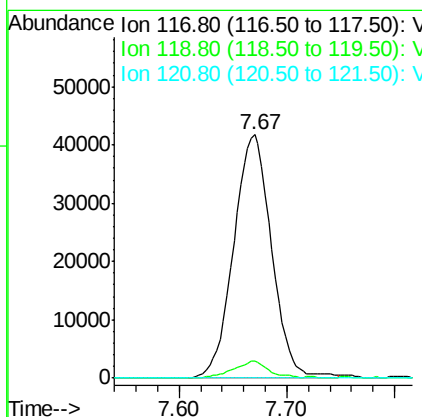
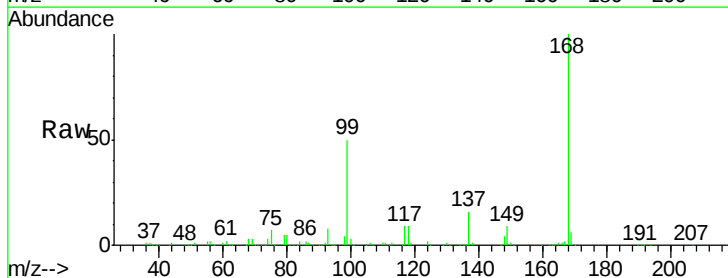
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#09

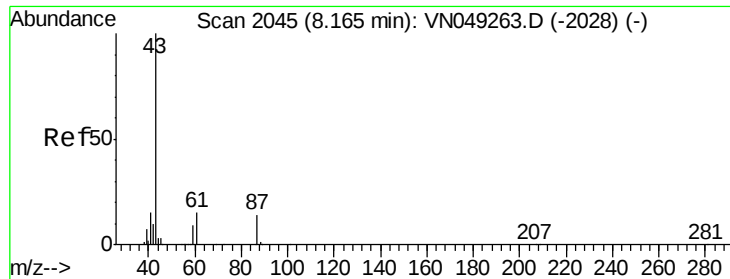
Tot Ion	75	Resp	79327
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.70 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Tgt Ion	117	Resp	101917
Ion Ratio	100	Lower	Upper
117	100		
119	7.0	75.6	113.4#
121	0.0	24.7	37.1#



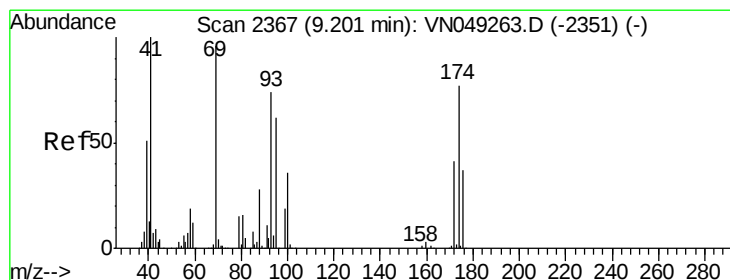
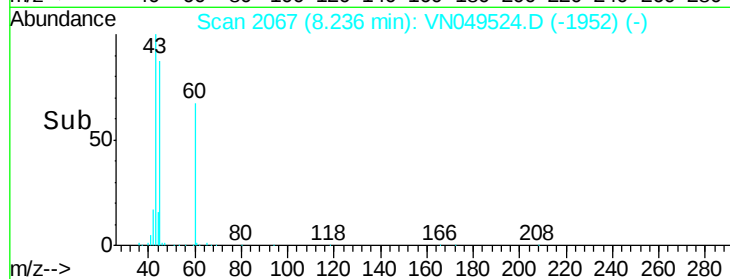
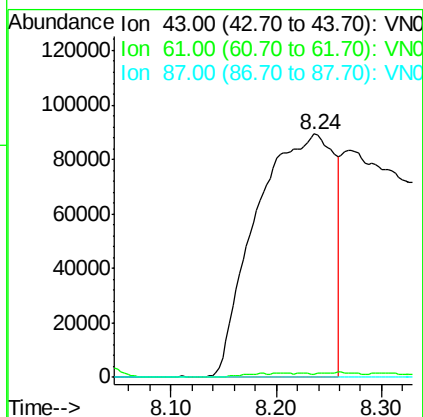
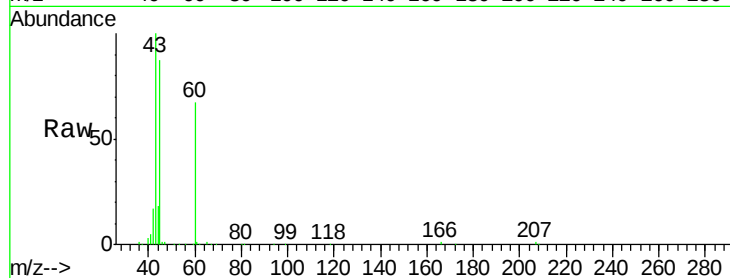


#43

Isopropyl Acetate
 Concen: 20.89 ug/l
 RT: 8.24 min Scan# 2067
 Delta R.T. 0.07 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#09

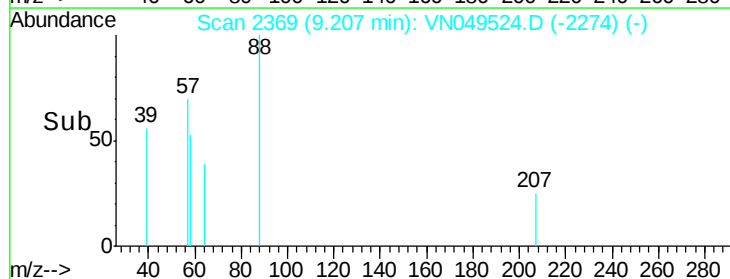
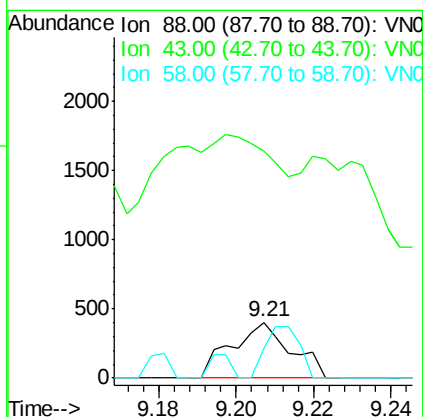
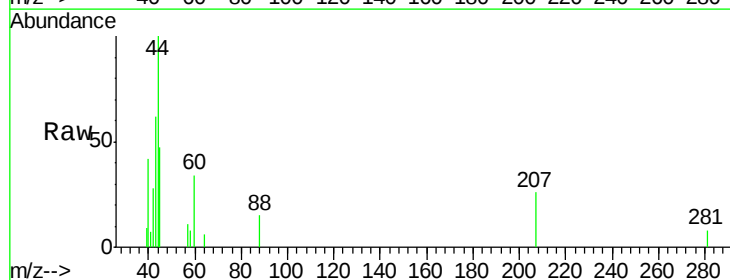
Tot Ion: 43 Resp: 454163
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.2 21.4#
 87 0.0 9.4 14.0#

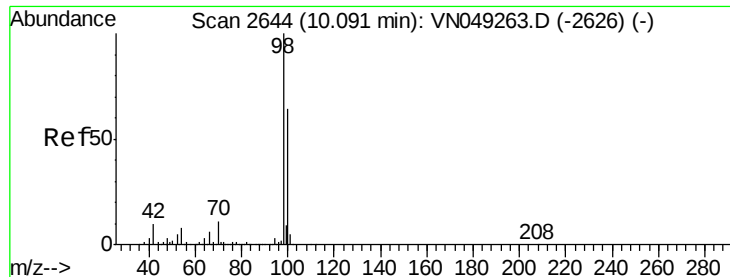


#49

1,4-Dioxane
 Concen: 3.02 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Tgt Ion: 88 Resp: 427
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.9 46.3#
 58 53.6 58.9 88.3#





#50

Toluene-d8

Concen: 43.64 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

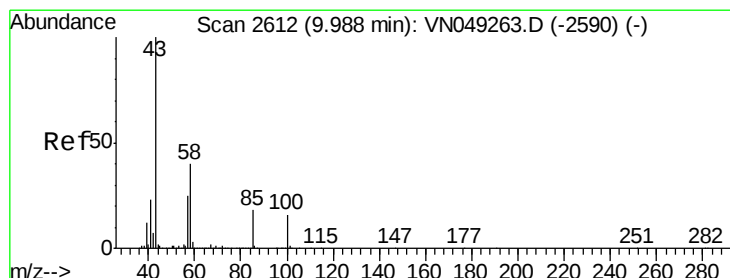
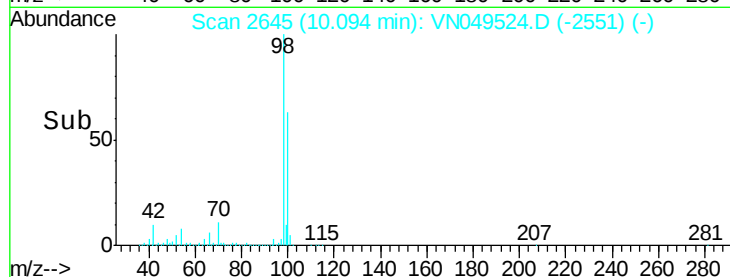
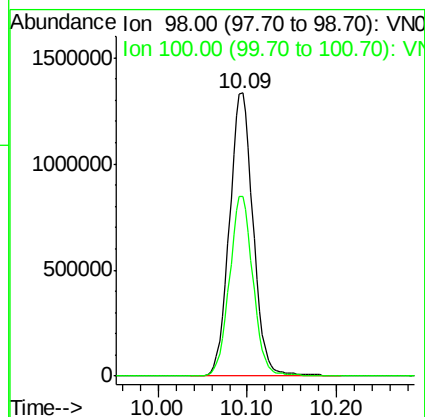
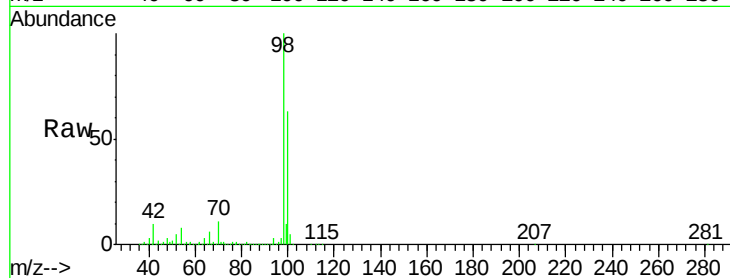
PB110537ZHE#09

Tot Ion: 98 Resp: 2454730

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.8



#51

4-Methyl-2-Pentanone

Concen: 0.48 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049524.D

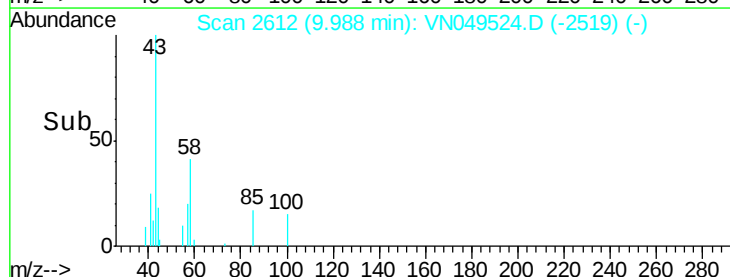
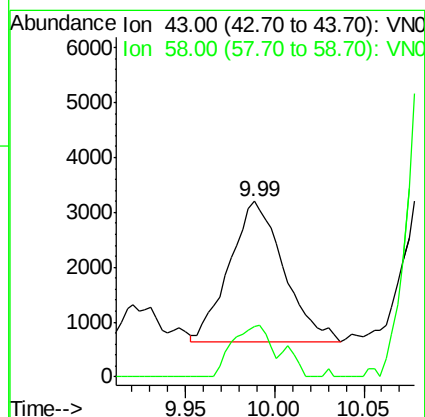
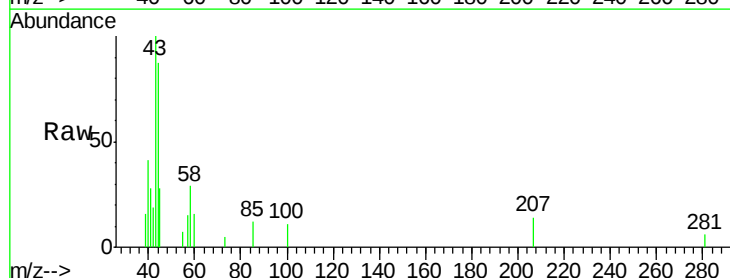
Acq: 25 Jun 2018 21:04

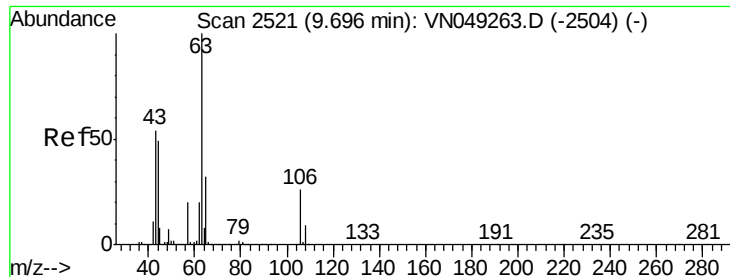
Tgt Ion: 43 Resp: 5452

Ion Ratio Lower Upper

43 100

58 25.4 29.0 43.6#

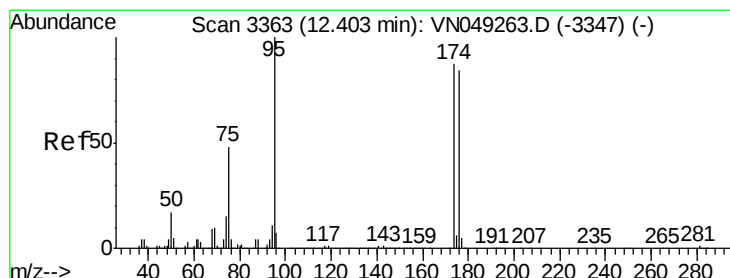
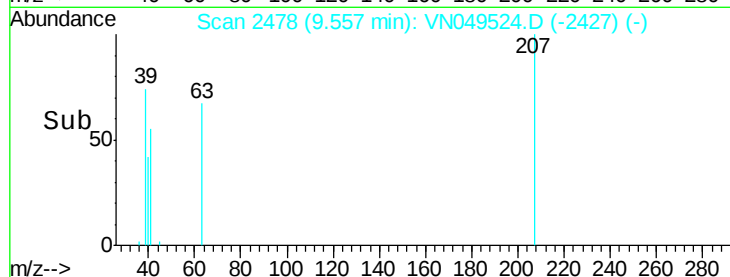
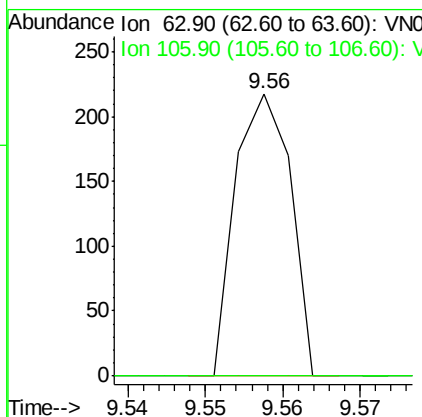
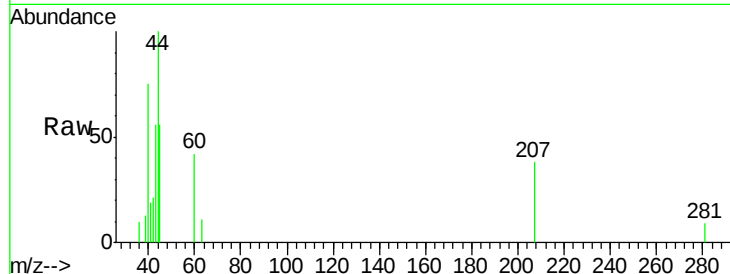




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.56 min Scan# 2478
 Delta R.T. -0.14 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

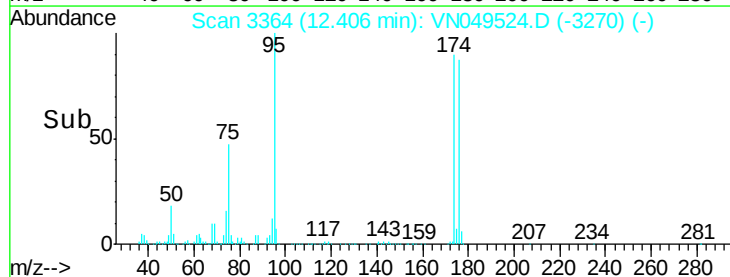
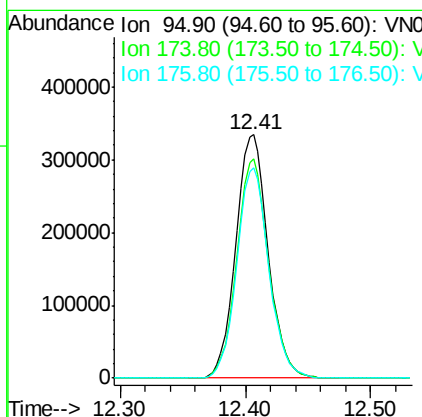
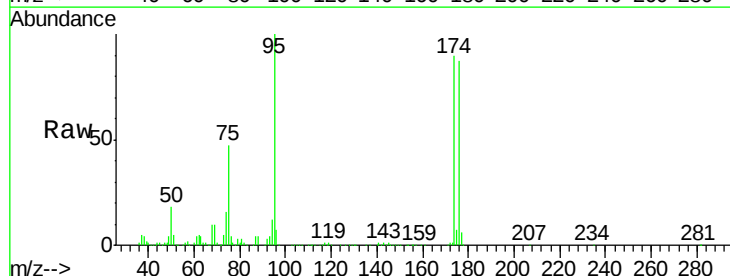
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#09

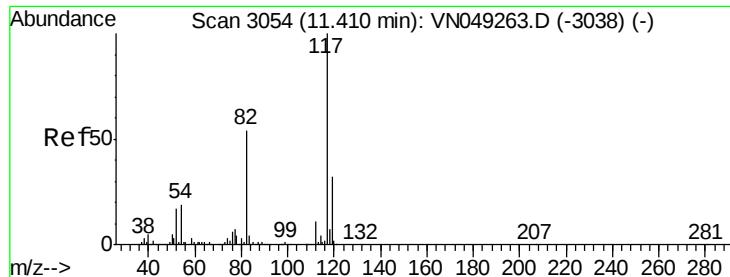
Tot Ion: 63 Resp: 108
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 32.18 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Tgt Ion: 95 Resp: 598494
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 165.6
 176 85.5 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#09

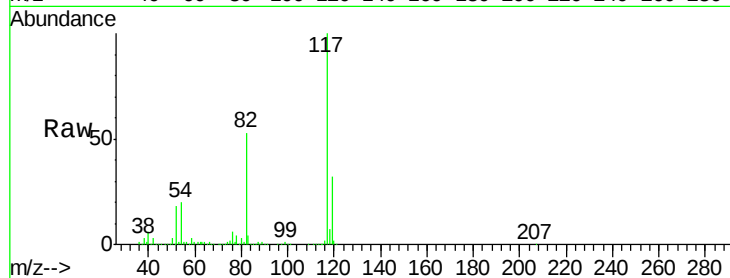
Tot Ion:117 Resp: 1481901

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

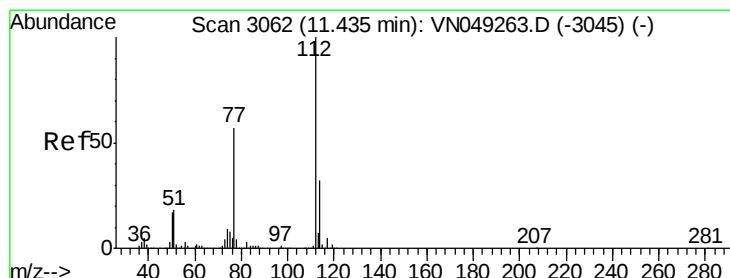
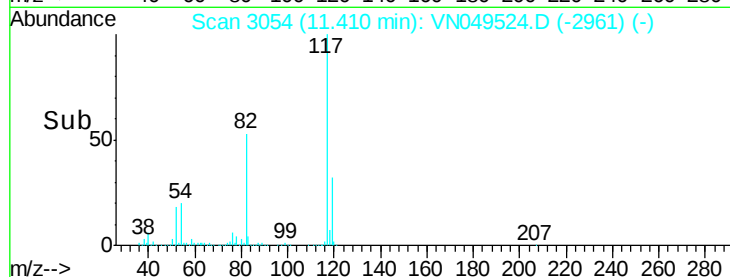
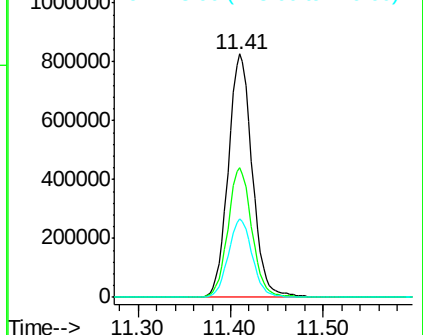
119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.33 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049524.D

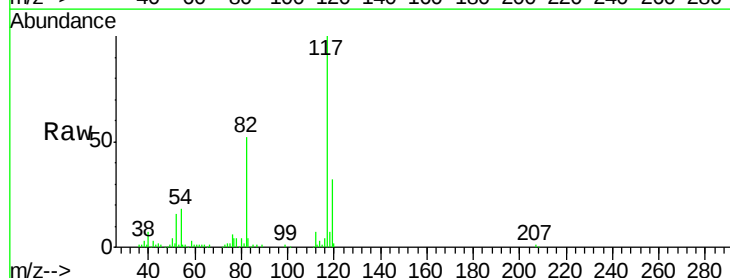
Acq: 25 Jun 2018 21:04

Tgt Ion:112 Resp: 12703

Ion Ratio Lower Upper

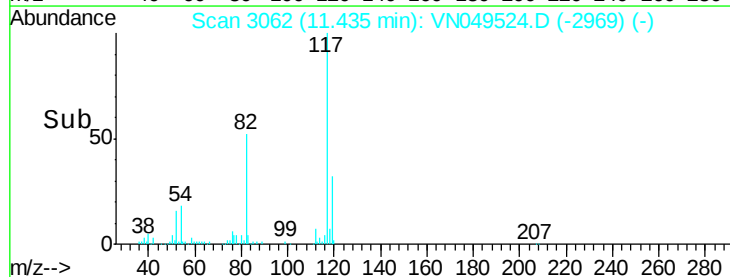
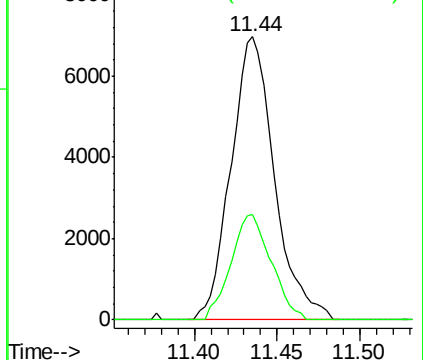
112 100

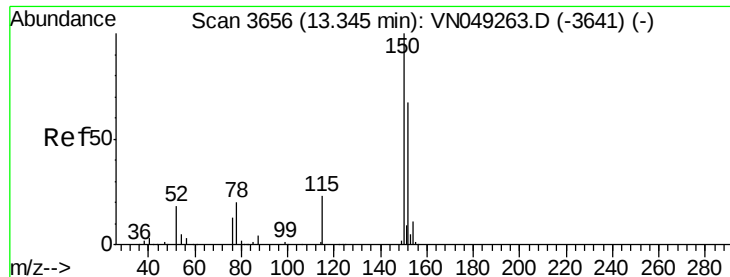
114 37.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#09

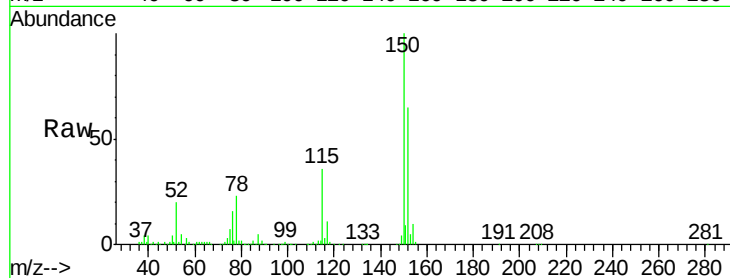
Tot Ion:152 Resp: 382297

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

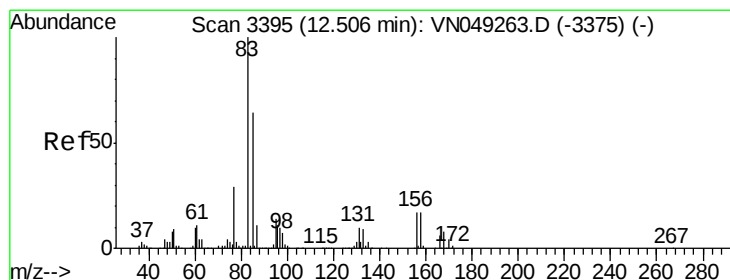
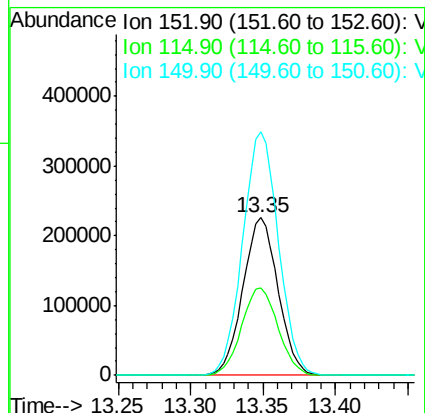
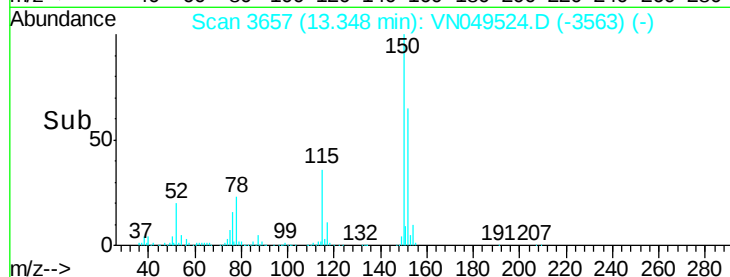
150 156.9 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

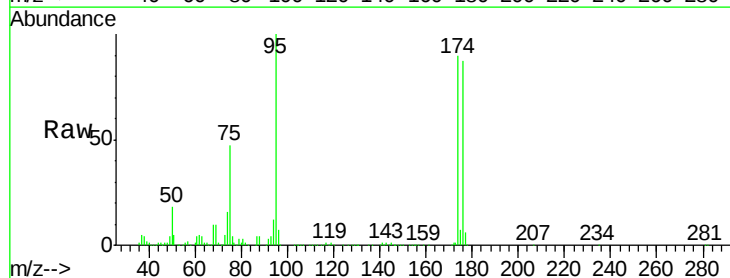
Tgt Ion: 83 Resp: 404

Ion Ratio Lower Upper

83 100

131 223.8 5.0 15.0#

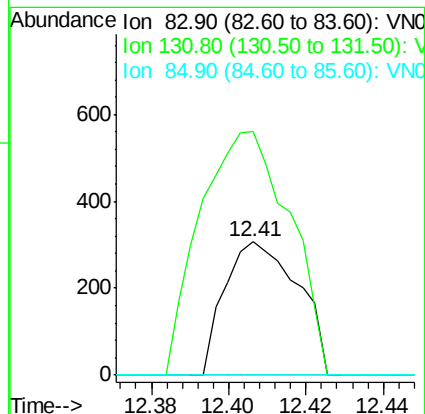
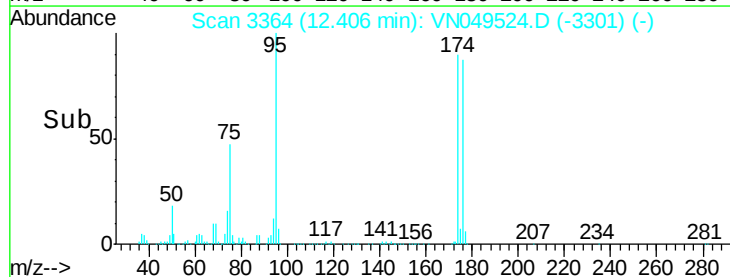
85 0.0 32.0 96.0#

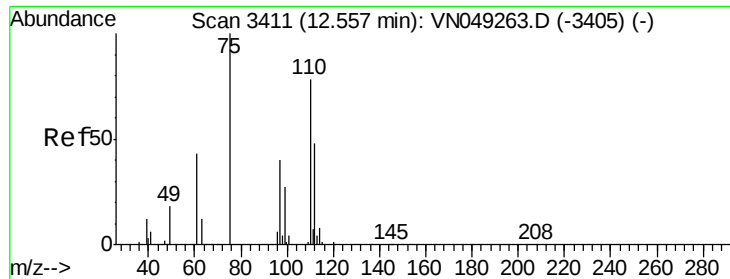


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 44.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

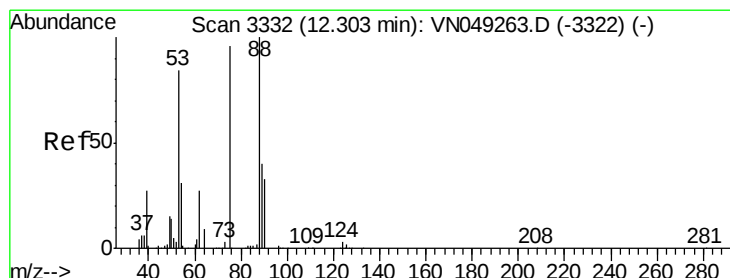
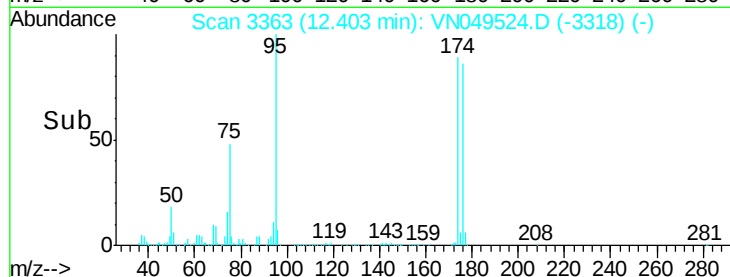
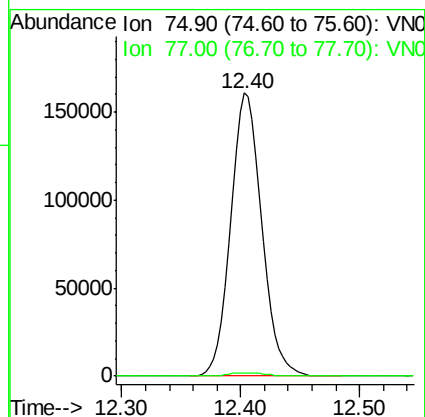
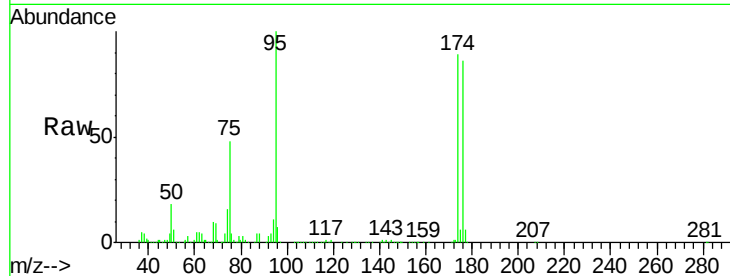
PB110537ZHE#09

Tot Ion: 75 Resp: 290844

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

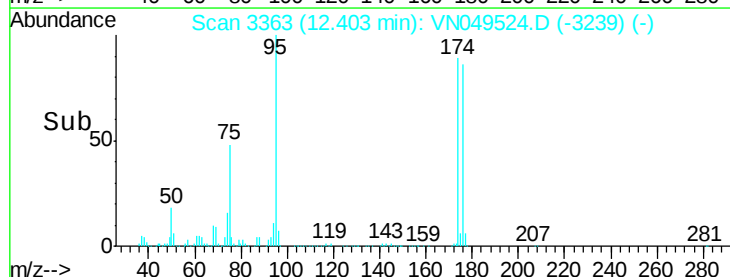
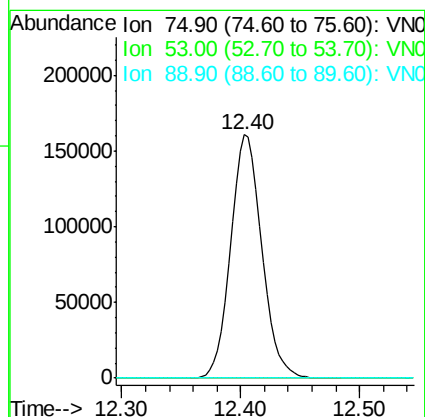
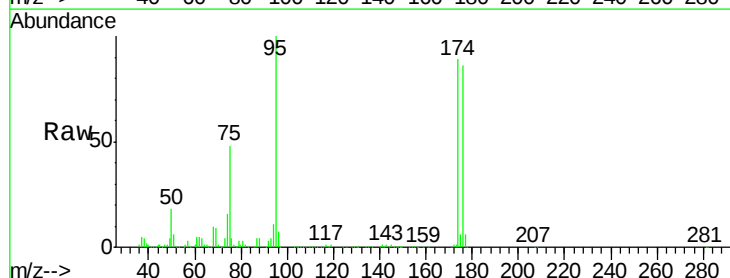
Tgt Ion: 75 Resp: 290844

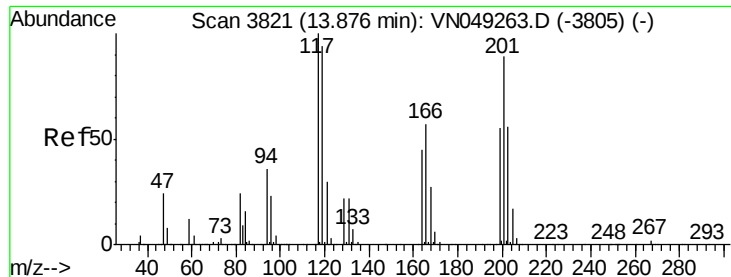
Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.97 min Scan# 3850

Delta R.T. 0.09 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

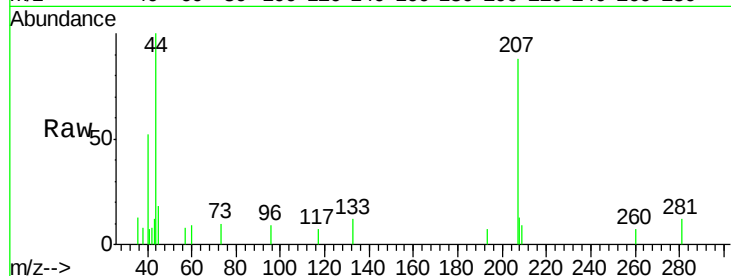
PB110537ZHE#09

Tot Ion:117 Resp: 63

Ion Ratio Lower Upper

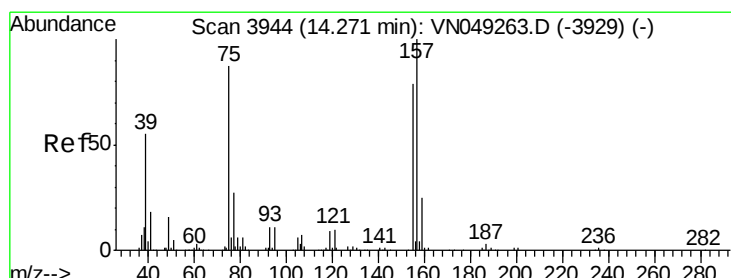
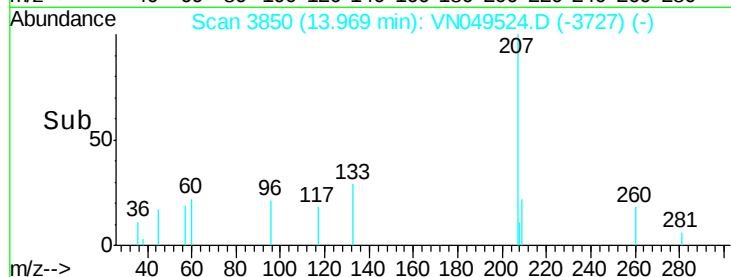
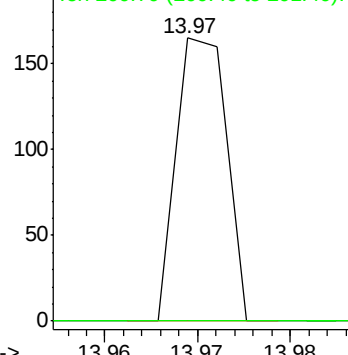
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.39 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

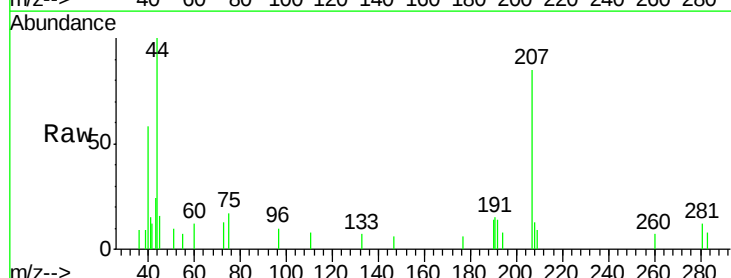
Tgt Ion: 75 Resp: 459

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

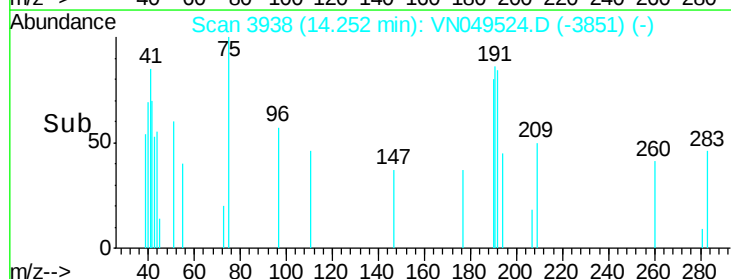
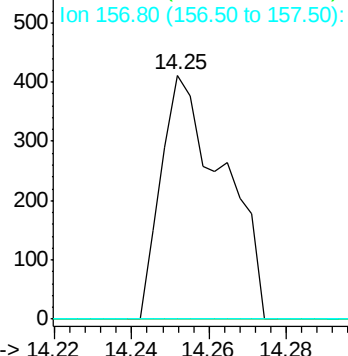
157 0.0 51.0 153.1#

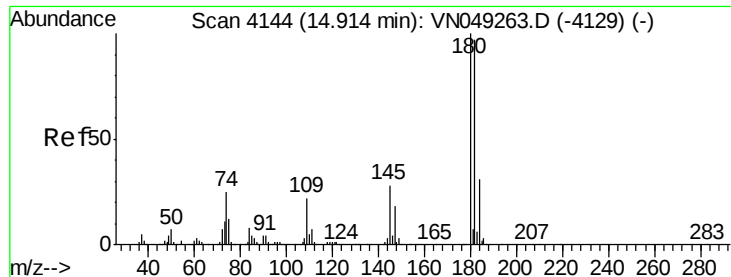


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

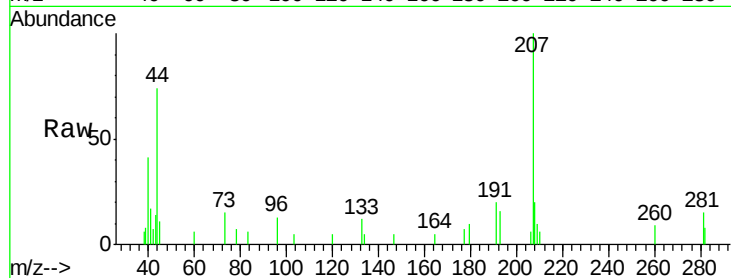




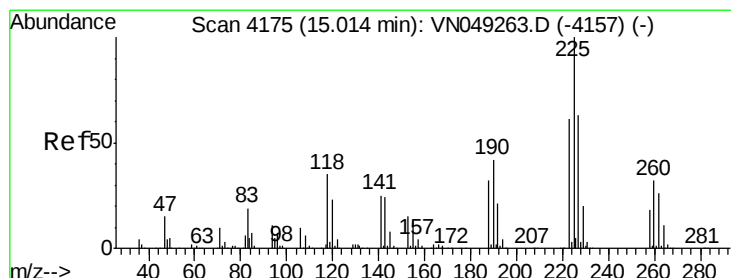
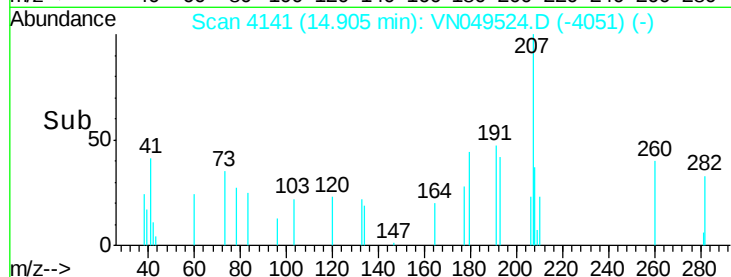
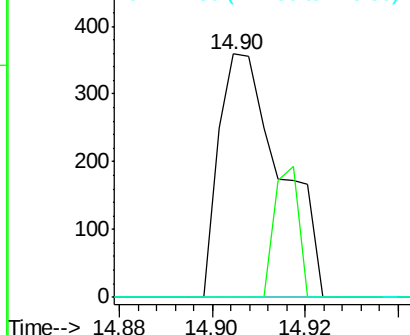
#93
 1,2,4-Trichlorobenzene
 Concen: 4.79 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#09

Tot Ion:180 Resp: 333
 Ion Ratio Lower Upper
 180 100
 182 21.3 46.9 140.8#
 145 0.0 14.7 44.1#

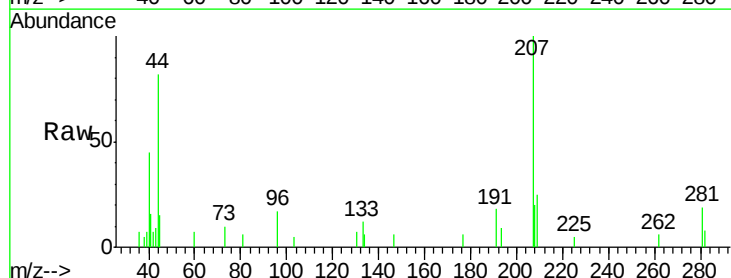


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

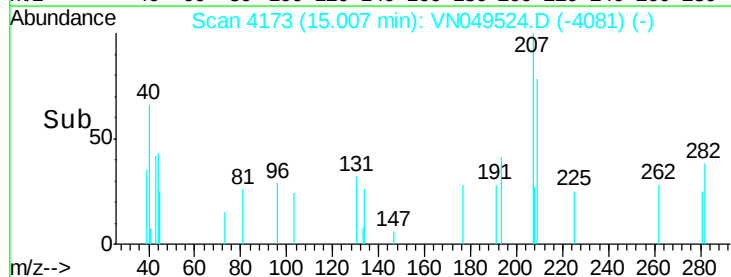
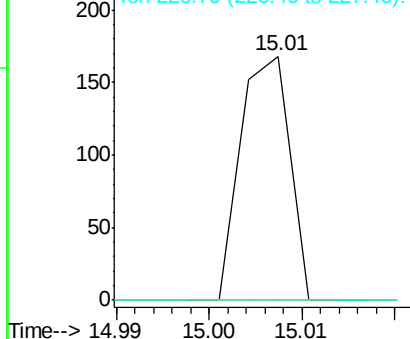


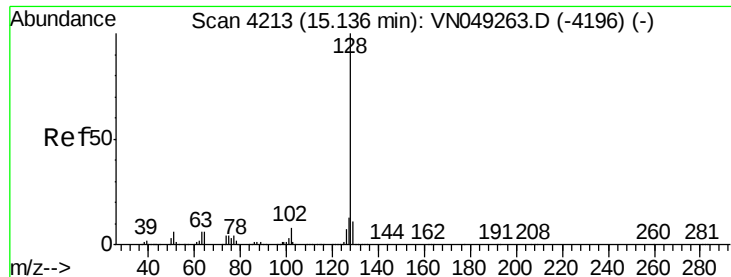
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.01 min
 Lab File: VN049524.D
 Acq: 25 Jun 2018 21:04

Tgt Ion:225 Resp: 62
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 31.8 95.3#



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: 2.13 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#09

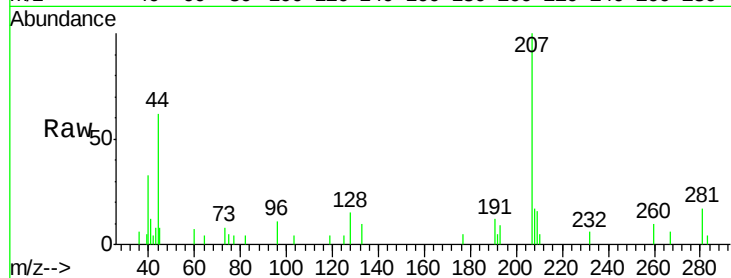
Tot Ion:128 Resp: 554

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

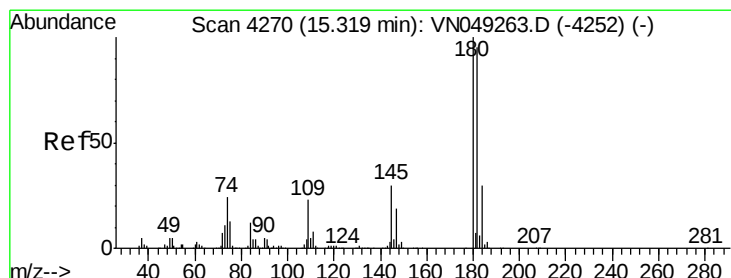
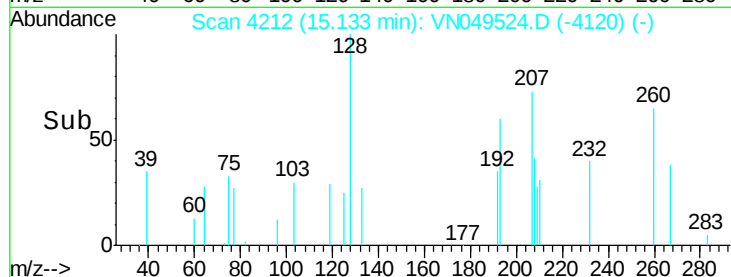
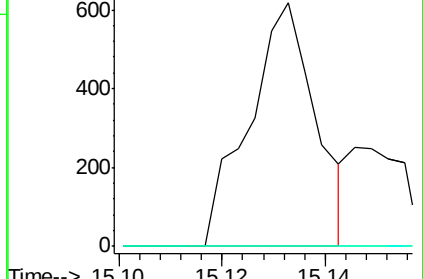
129 0.0 8.5 12.7#



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: 3.48 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN049524.D

Acq: 25 Jun 2018 21:04

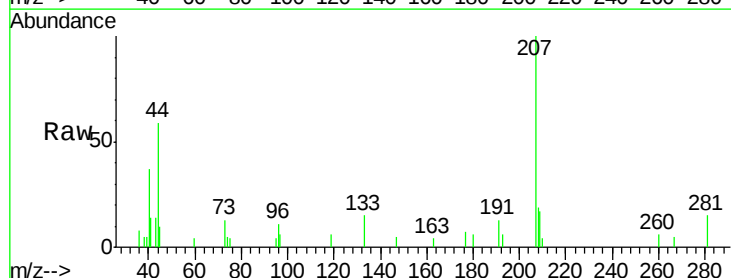
Tgt Ion:180 Resp: 159

Ion Ratio Lower Upper

180 100

182 113.8 47.3 141.8

145 0.0 15.6 46.7#



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

