

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062118\
 Data File : VN049470.D
 Acq On : 21 Jun 2018 16:00
 Operator : MD\SY
 Sample : VN0621MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Quant Time: Jun 21 16:38:59 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

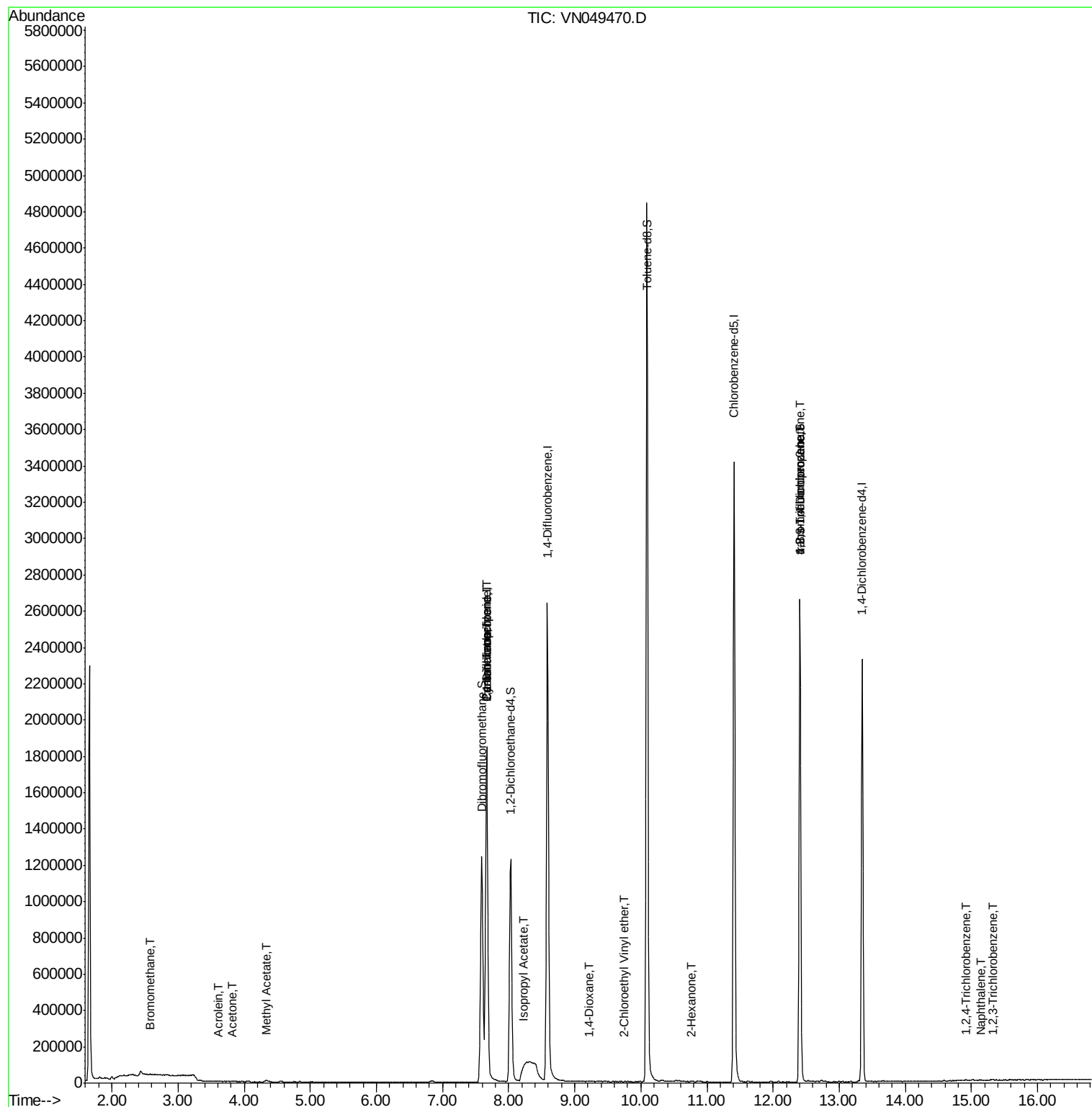
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1591062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2542301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2122147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	666718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1083938	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	969998	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	10.09	98	3542292	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
62) 4-Bromofluorobenzene	12.41	95	929871	35.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.82%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.58	94	4572	0.346	ug/l	83
13) Acrolein	3.61	56	477	0.367	ug/l #	18
16) Acetone	3.82	43	3126	0.610	ug/l #	76
18) Methyl Acetate	4.34	43	18490	1.184	ug/l	93
31) Cyclohexane	7.67	56	29813	0.782	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	110350	3.787	ug/l #	51
38) Carbon Tetrachloride	7.67	117	140962	4.673	ug/l #	17
43) Isopropyl Acetate	8.22	43	61347	2.027	ug/l #	64
49) 1,4-Dioxane	9.21	88	124	0.630	ug/l #	62
58) 2-Chloroethyl Vinyl ether	9.75	63	29	14.330	ug/l #	51
59) 2-Hexanone	10.76	43	3657	0.358	ug/l	74
75) 1,1,2,2-Tetrachloroethane	12.52	83	340	Below Cal	#	59
76) 1,2,3-Trichloropropane	12.41	75	449519	39.515	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	449519	124.889	ug/l #	9
90) Hexachloroethane	13.88	117	124	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	1695	4.877	ug/l	90
94) Hexachlorobutadiene	15.02	225	1331	Below Cal	#	75
95) Naphthalene	15.14	128	3030	2.243	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.33	180	1873	3.613	ug/l	87

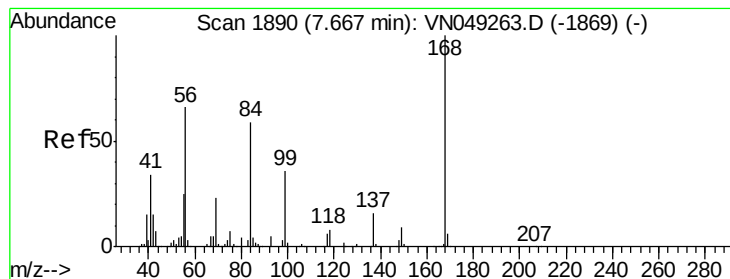
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

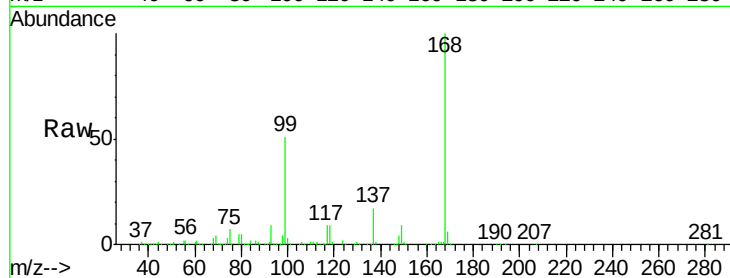
VN0621MBL01

Tgt Ion:168 Resp: 1591062

Ion Ratio Lower Upper

168 100

99 51.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

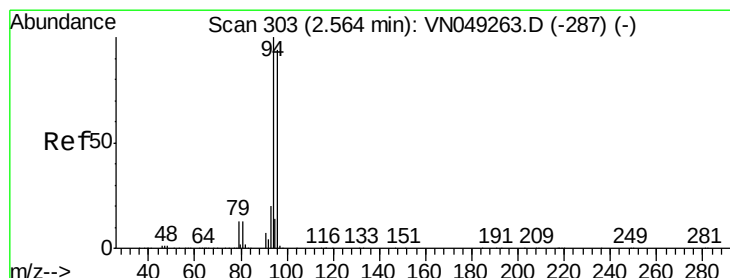
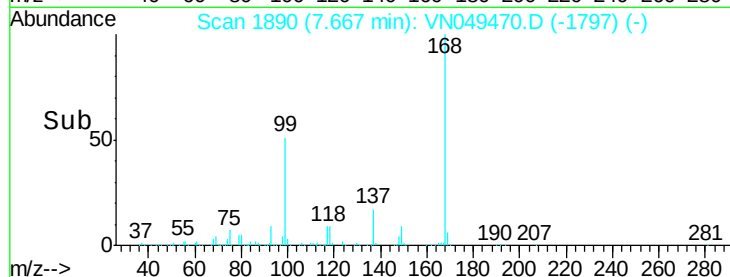
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#5

Bromomethane

Concen: 0.346 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049470.D

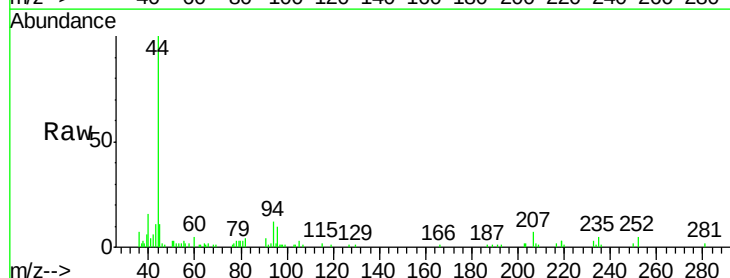
Acq: 21 Jun 2018 16:00

Tgt Ion: 94 Resp: 4572

Ion Ratio Lower Upper

94 100

96 74.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

2000

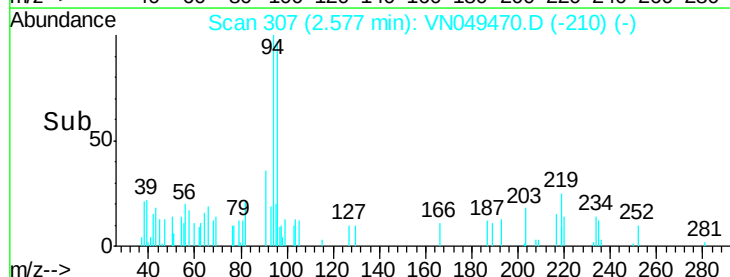
1500

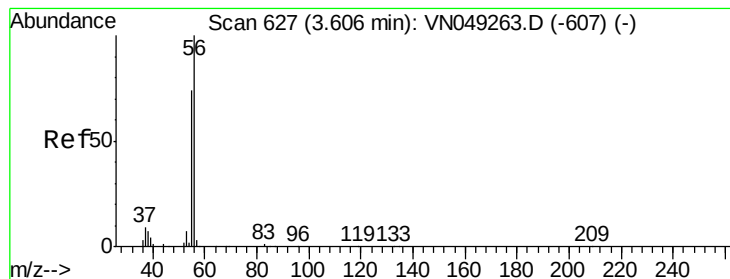
1000

500

0

Time--> 2.50 2.55 2.60 2.65





#13

Acrolein

Concen: 0.367 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampled :

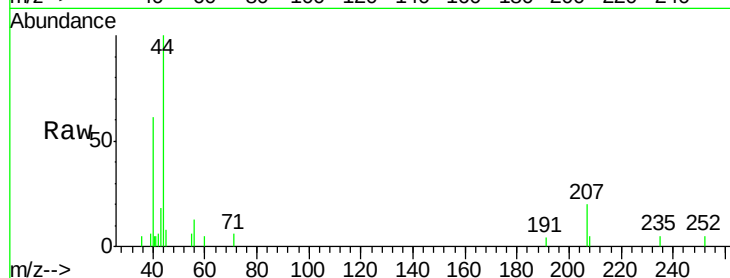
VN0621MBL01

Tgt Ion: 56 Resp: 477

Ion Ratio Lower Upper

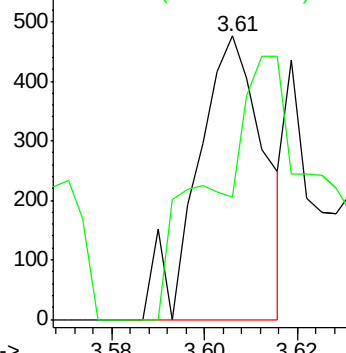
56 100

55 139.6 57.1 85.7#

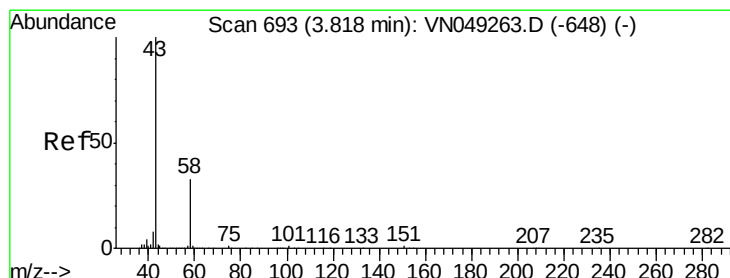
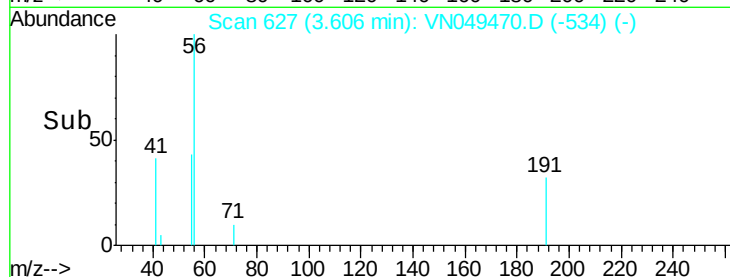


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 0.610 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049470.D

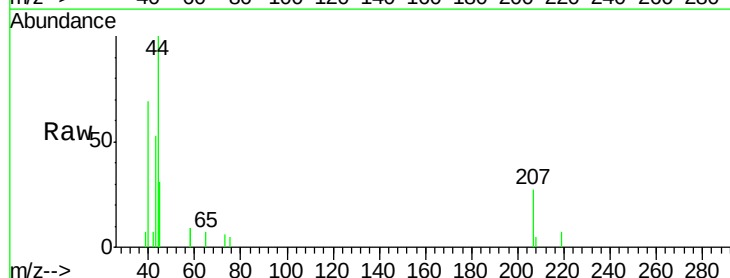
Acq: 21 Jun 2018 16:00

Tgt Ion: 43 Resp: 3126

Ion Ratio Lower Upper

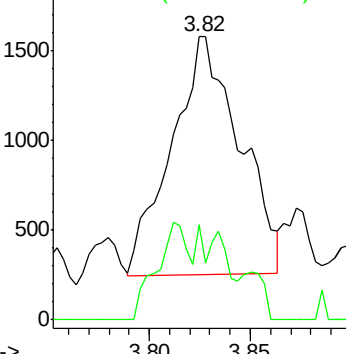
43 100

58 40.5 22.4 33.6#

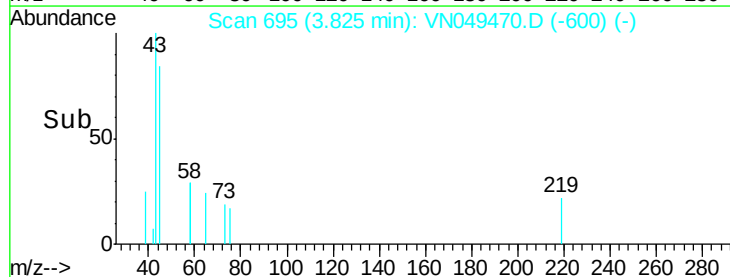


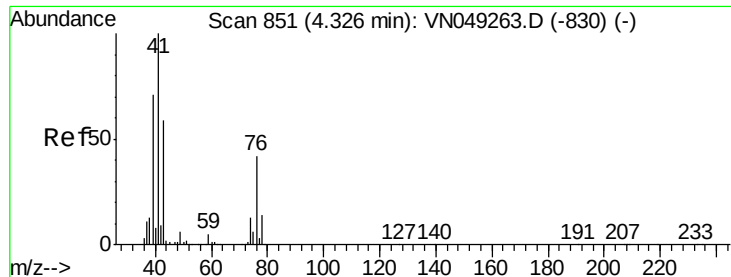
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

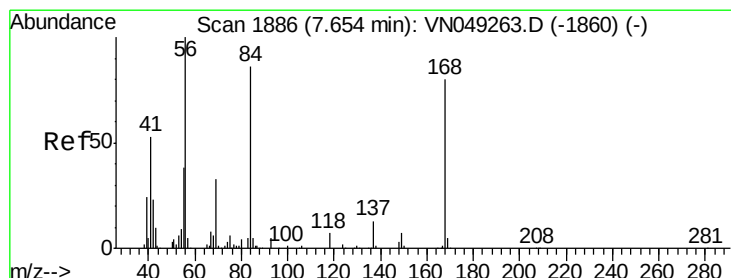
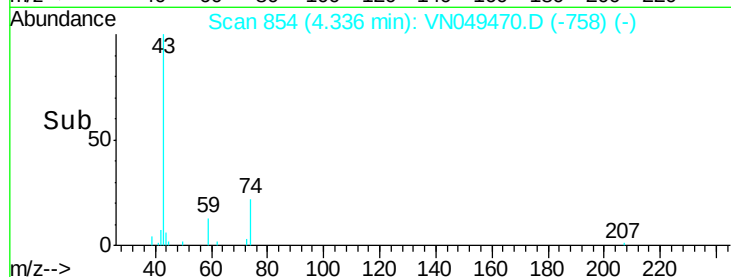
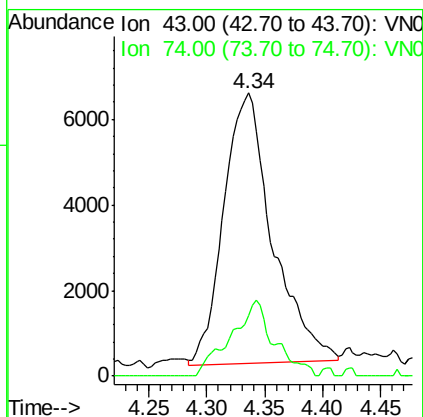
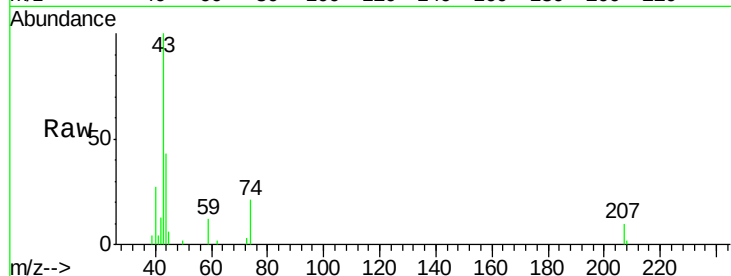




#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

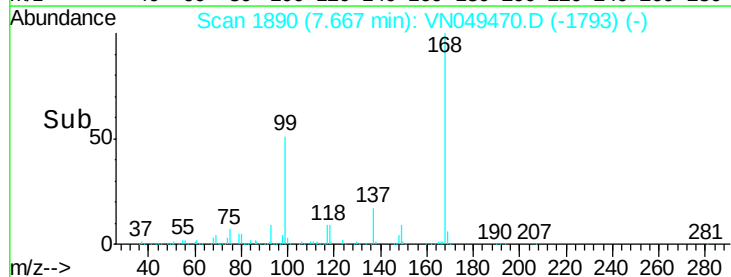
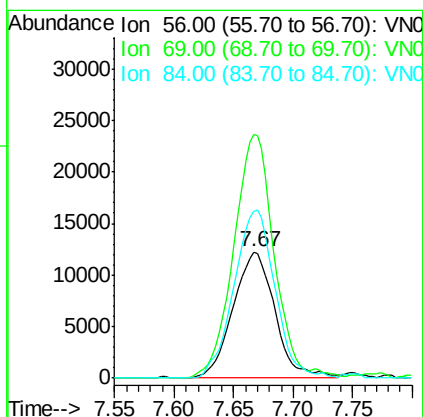
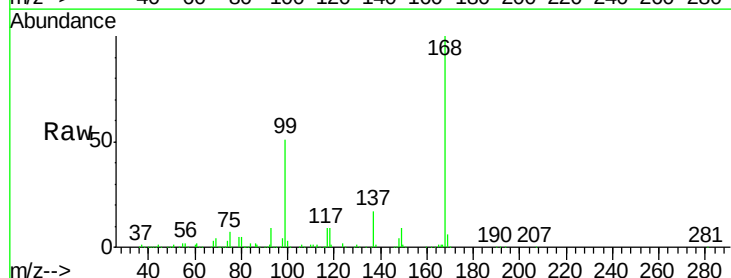
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

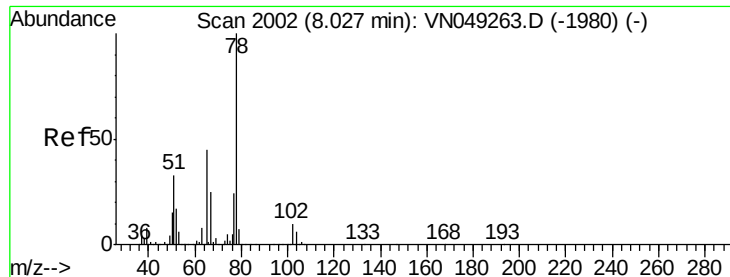
Tgt Ion: 43 Resp: 18490
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#31
Cyclohexane
Concen: 0.782 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 56 Resp: 29813
Ion Ratio Lower Upper
56 100
69 193.3 25.0 37.4#
84 132.2 64.6 96.8#

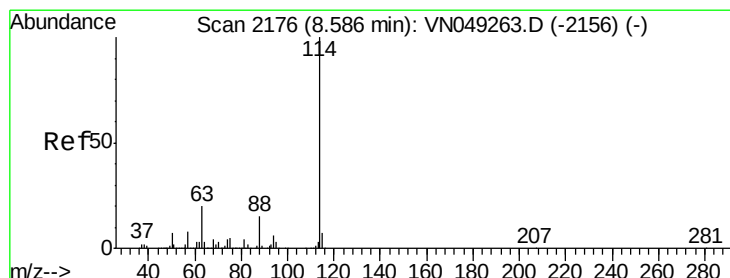
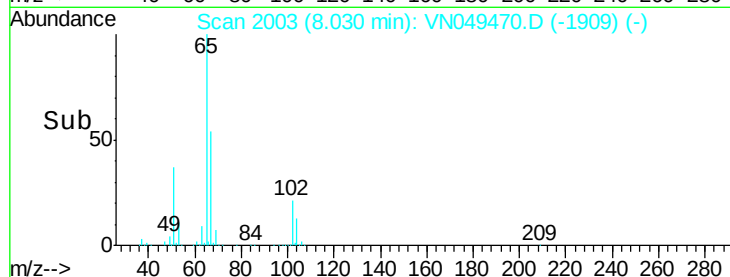
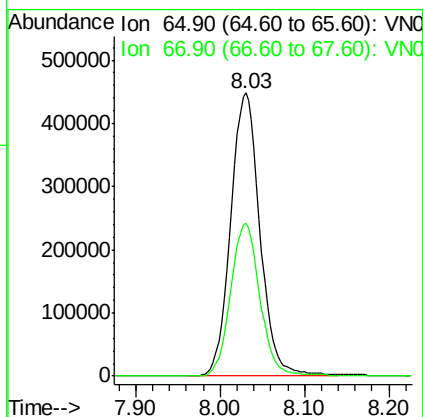
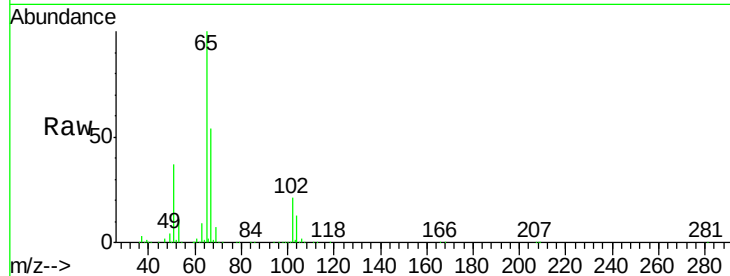




#33
 1,2-Dichloroethane-d4
 Concen: 51.365 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049470.D
 Acq: 21 Jun 2018 16:00

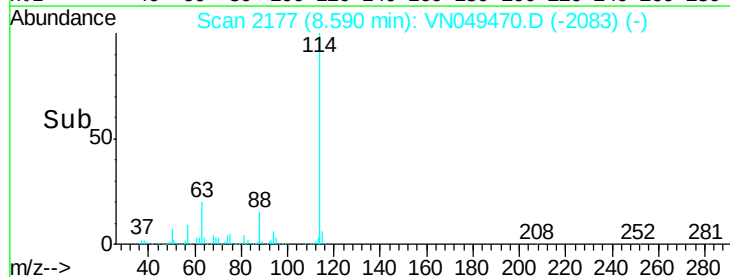
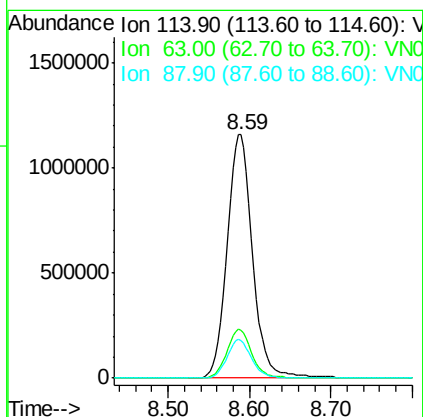
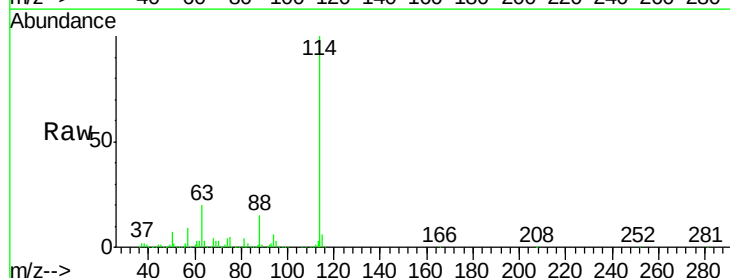
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

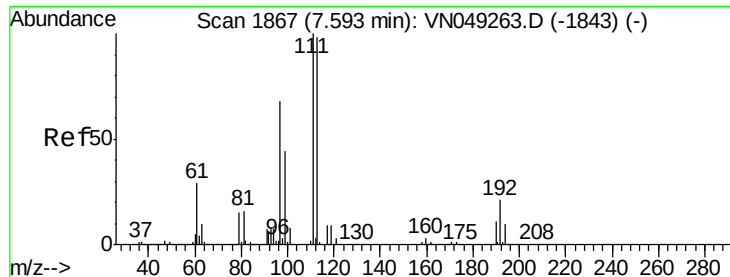
Tgt Ion: 65 Resp: 1083938
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049470.D
 Acq: 21 Jun 2018 16:00

Tgt Ion: 114 Resp: 2542301
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.3 0.0 31.4

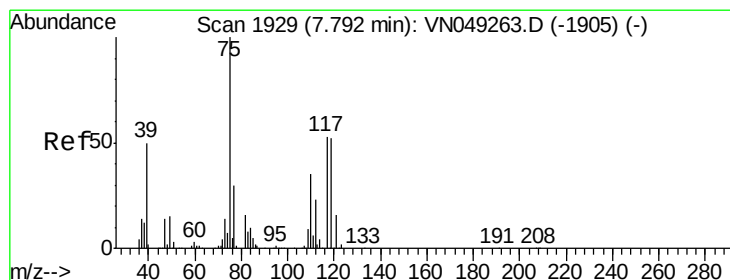
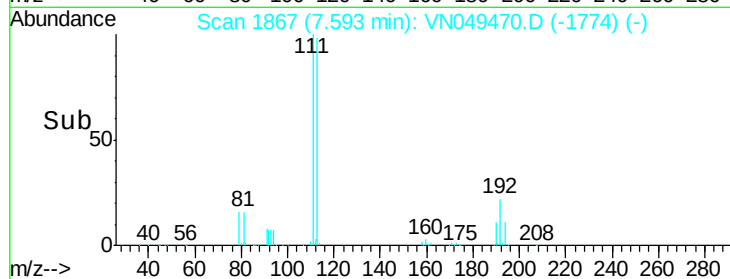
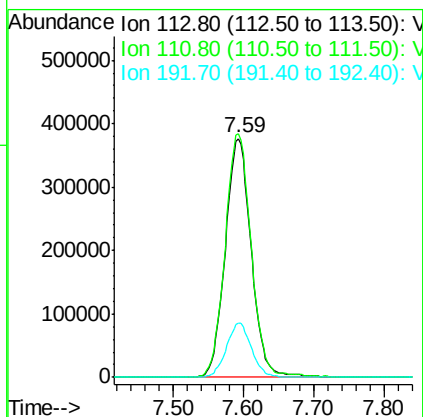
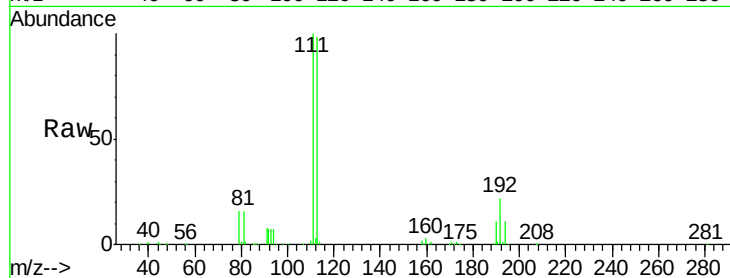




#35
 Dibromofluoromethane
 Concen: 47.160 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049470.D
 Acq: 21 Jun 2018 16:00

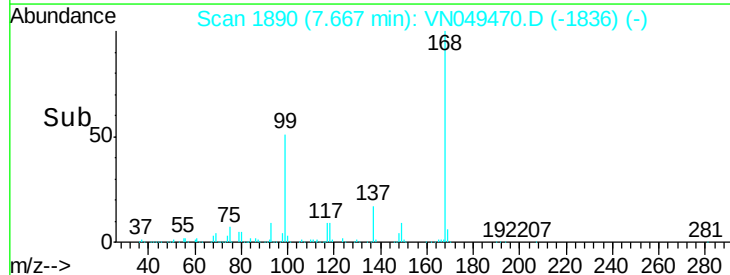
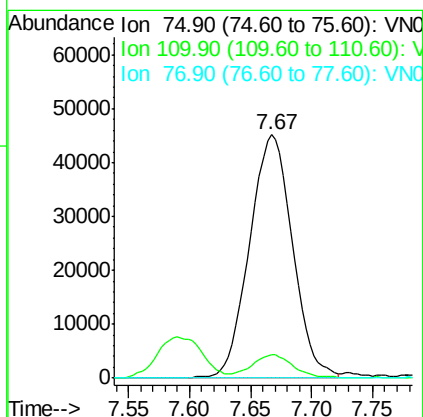
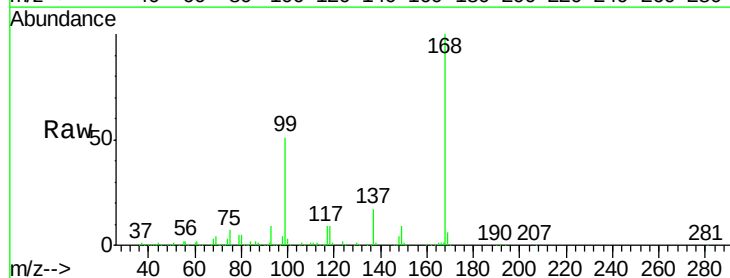
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

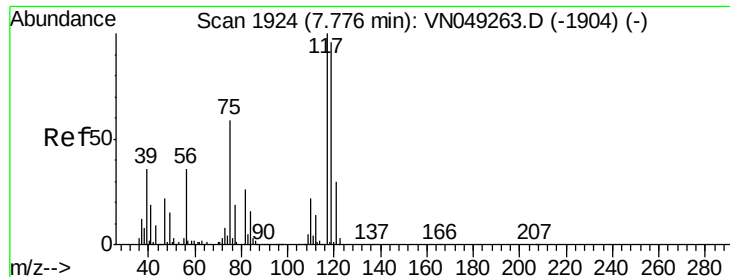
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	22.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.787 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049470.D
 Acq: 21 Jun 2018 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.1	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.673 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

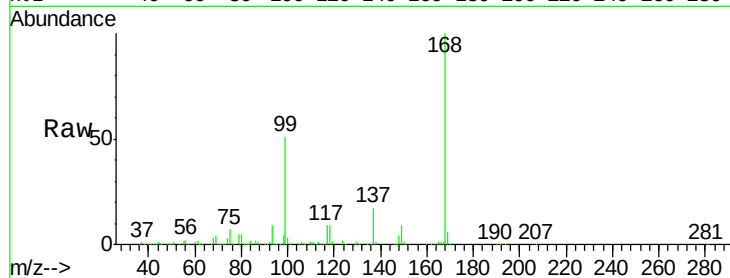
Tgt Ion:117 Resp: 140962

Ion Ratio Lower Upper

117 100

119 6.1 75.6 113.4#

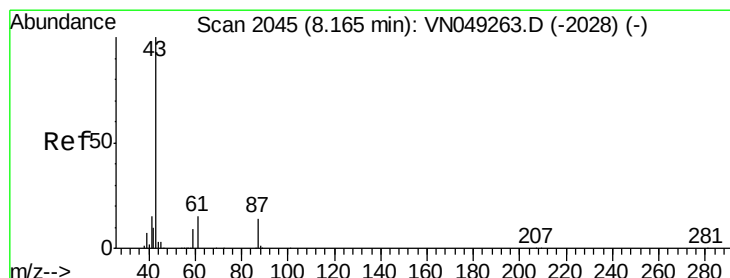
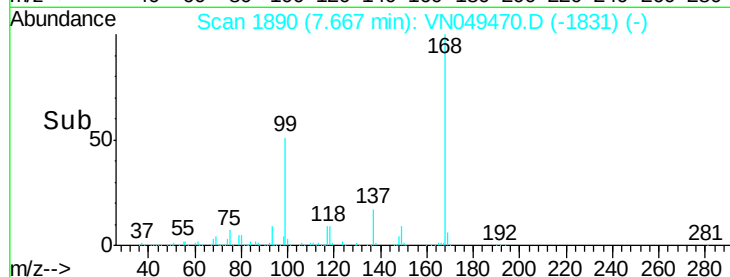
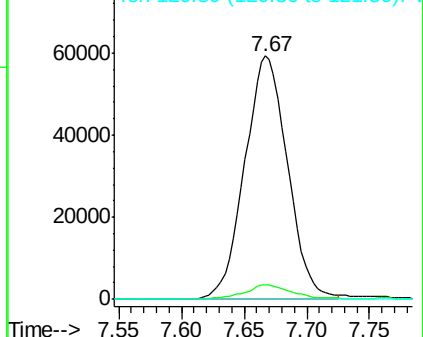
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.027 ug/l

RT: 8.22 min Scan# 2062

Delta R.T. 0.05 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

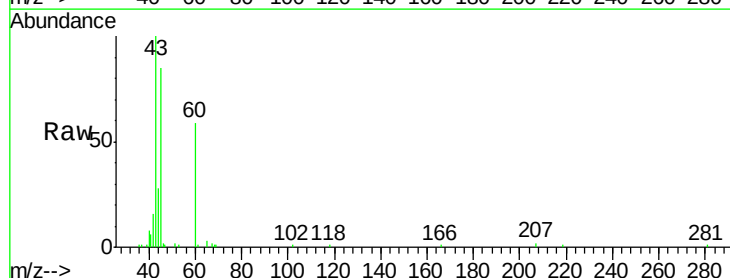
Tgt Ion: 43 Resp: 61347

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

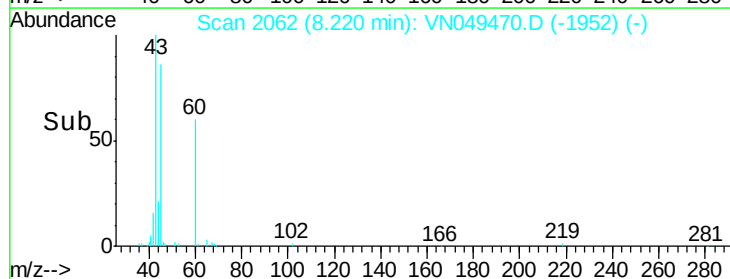
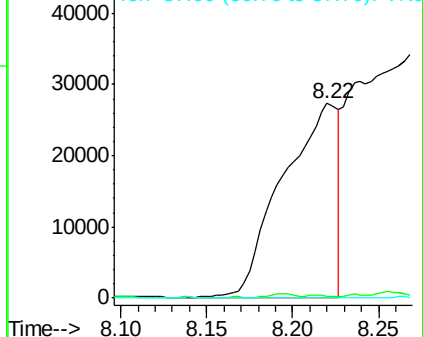
87 0.0 9.4 14.0#

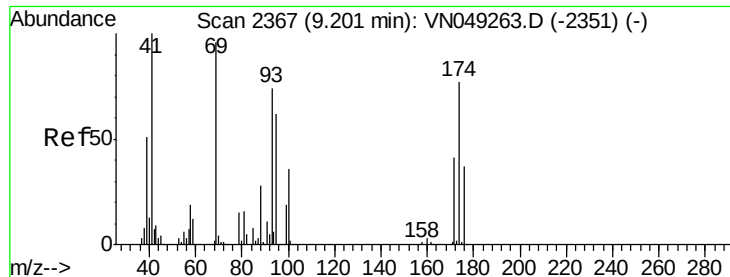


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

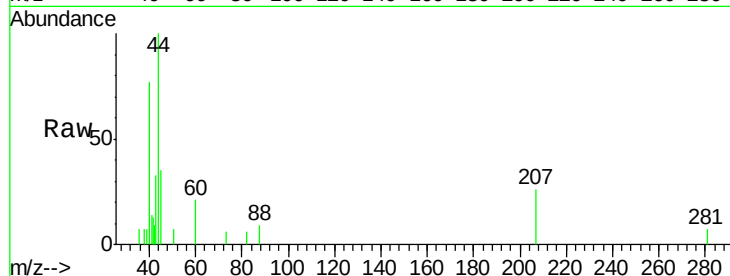




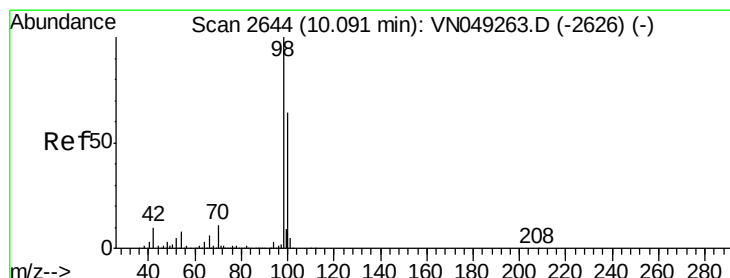
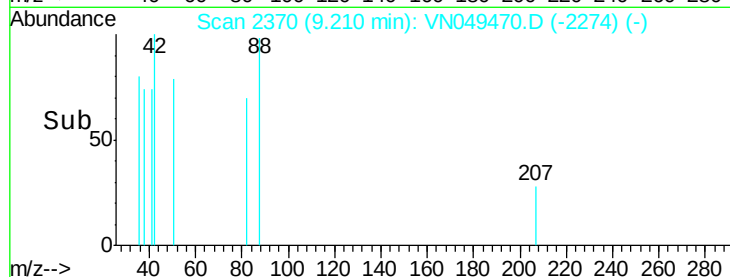
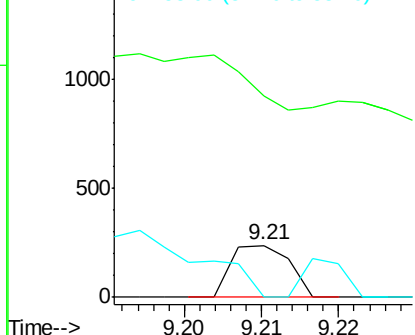
#49
1,4-Dioxane
Concen: 0.630 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 52.4 58.9 88.3#

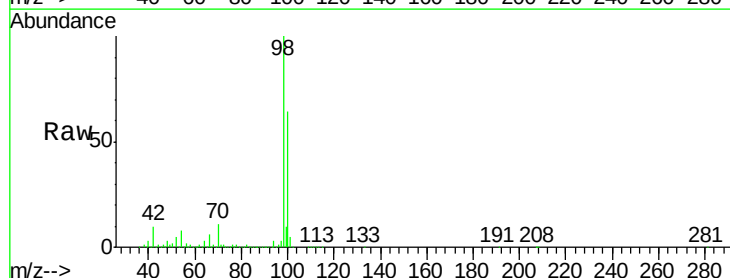


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

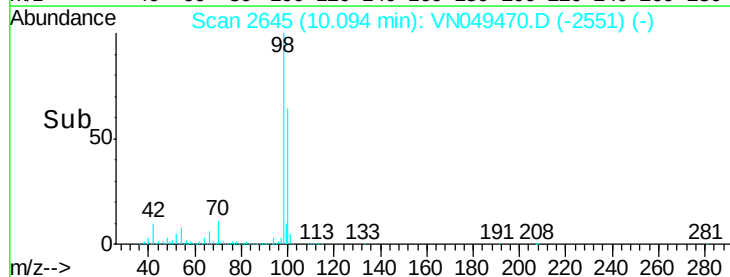
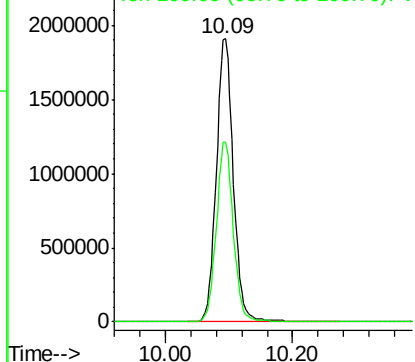


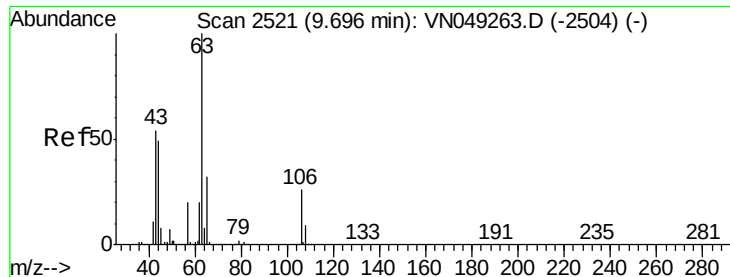
#50
Toluene-d8
Concen: 45.230 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 98 Resp: 3542292
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 14.330 ug/l

RT: 9.75 min Scan# 2537

Delta R.T. 0.05 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

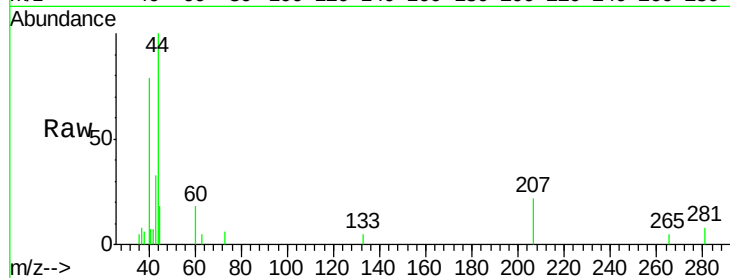
VN0621MBL01

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.75

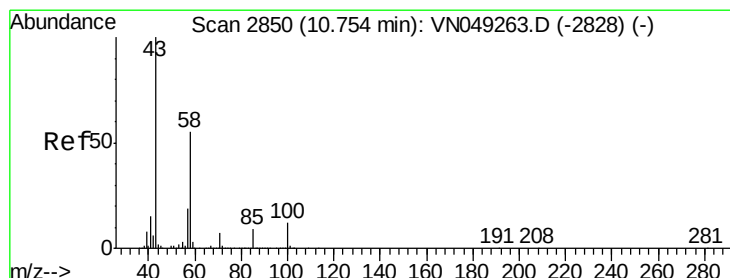
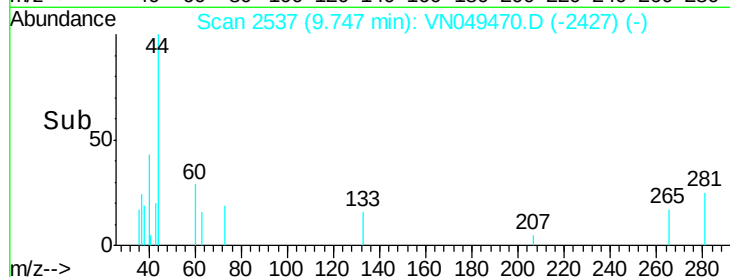
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 0.358 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049470.D

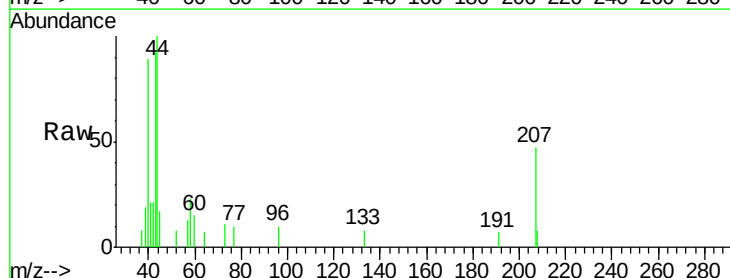
Acq: 21 Jun 2018 16:00

Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

43 100

58 32.2 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

2000

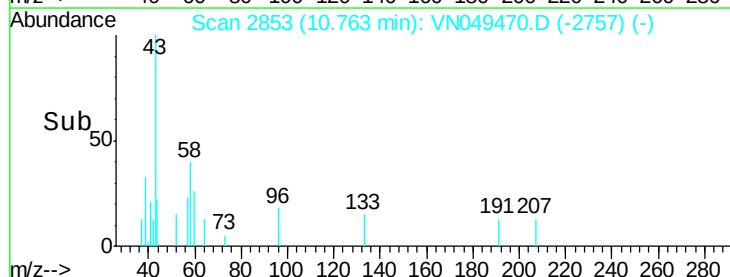
1500

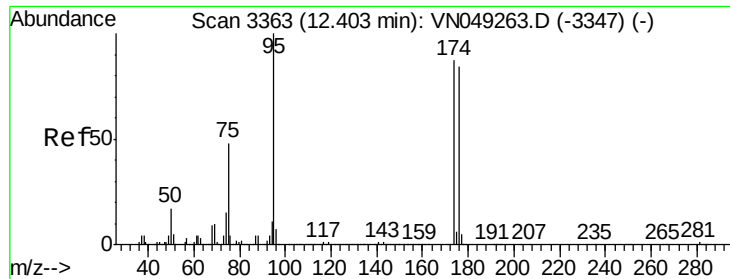
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 35.908 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

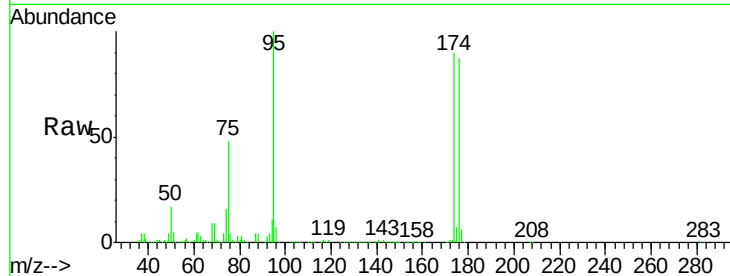
Tgt Ion: 95 Resp: 929871

Ion Ratio Lower Upper

95 100

174 89.5 0.0 165.6

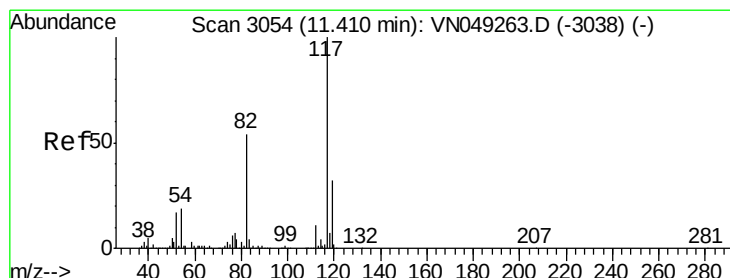
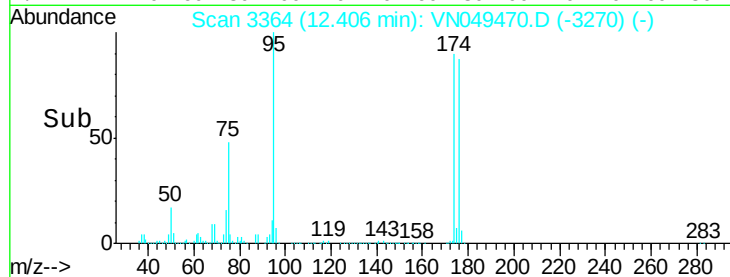
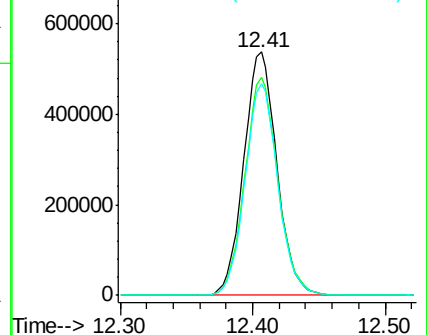
176 86.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

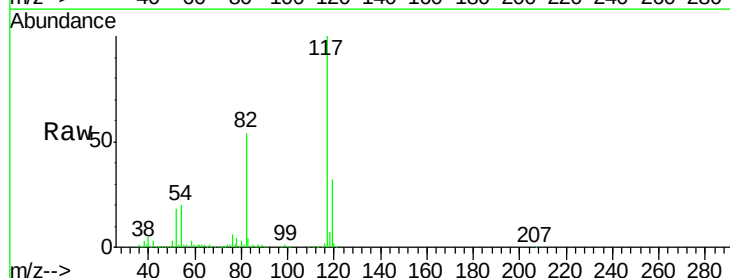
Tgt Ion: 117 Resp: 2122147

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

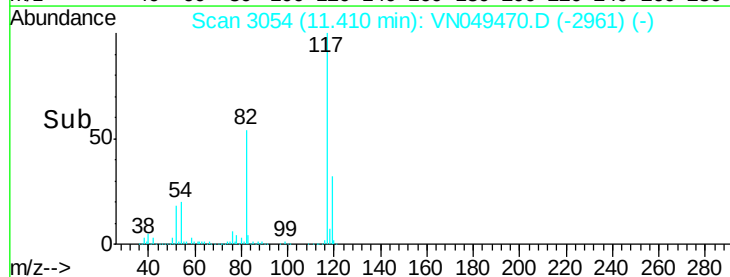
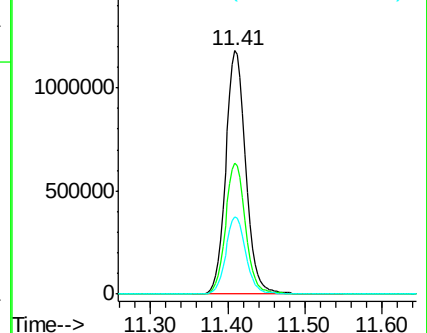
119 31.9 25.5 38.3

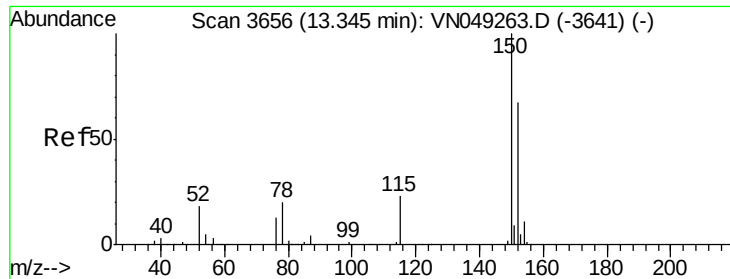


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

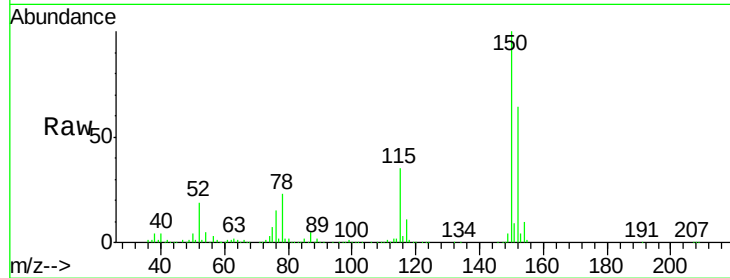
Tgt Ion:152 Resp: 666718

Ion Ratio Lower Upper

152 100

115 55.7 28.7 86.1

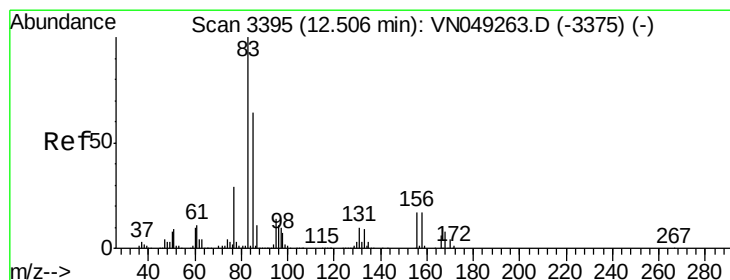
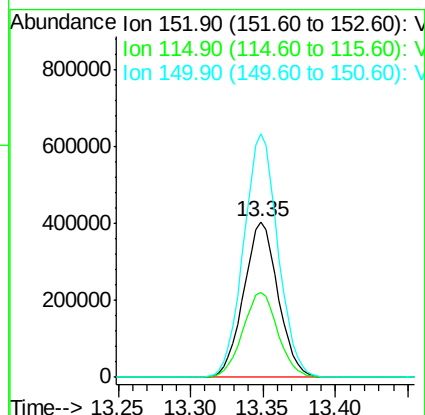
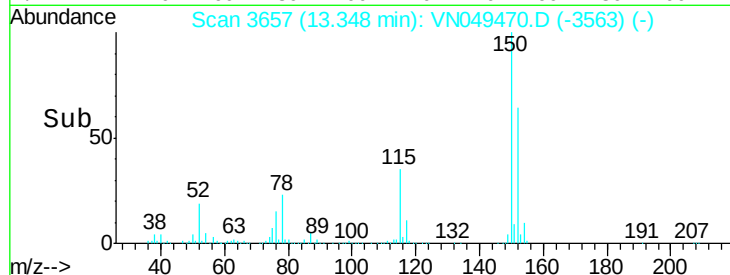
150 156.3 0.0 351.0



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: 12.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

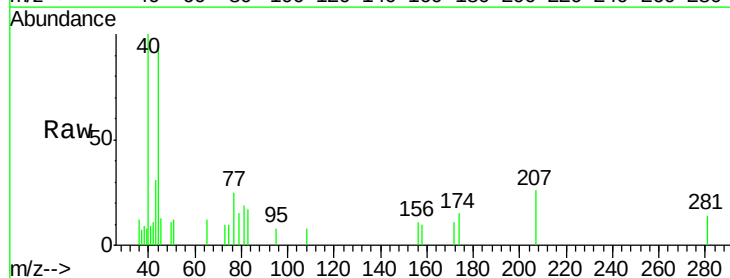
Tgt Ion: 83 Resp: 340

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

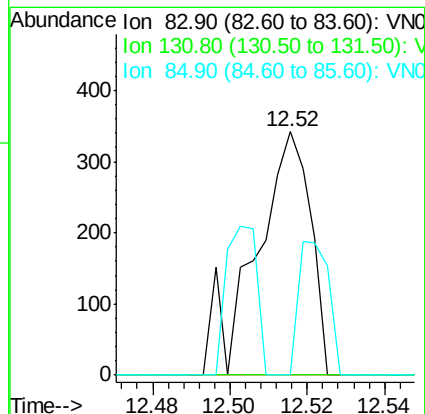
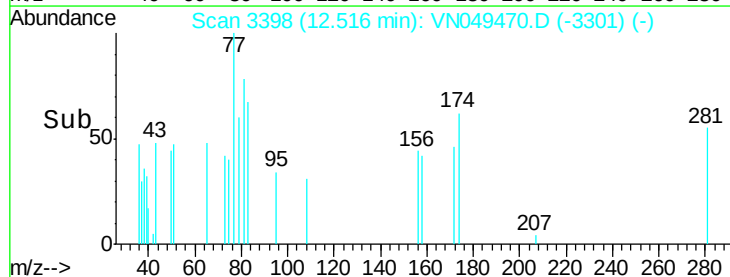
85 30.0 32.0 96.0#

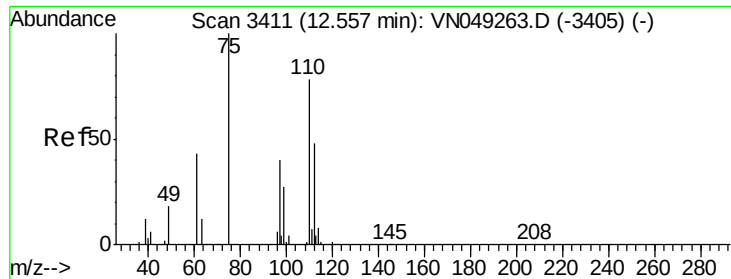


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 39.515 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

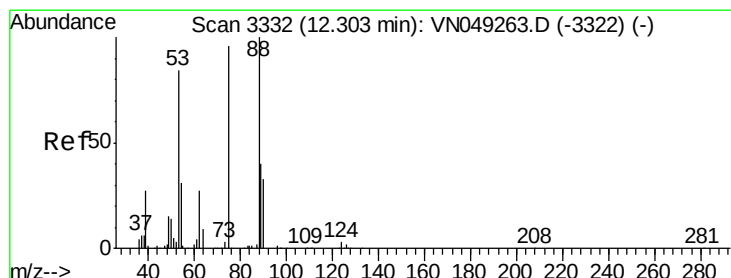
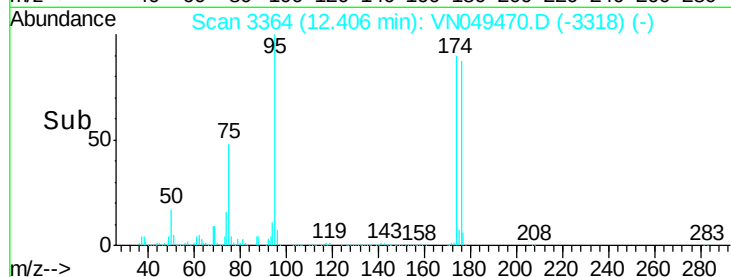
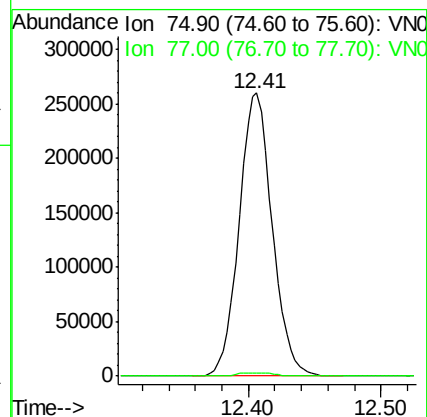
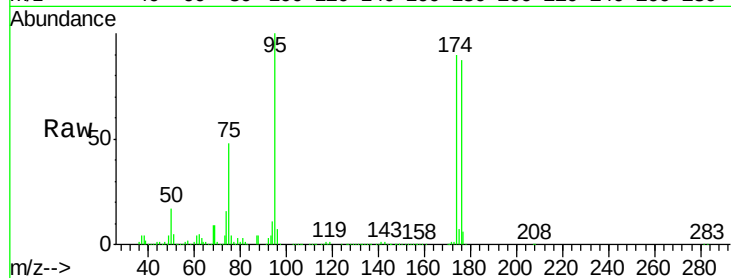
VN0621MBL01

Tgt Ion: 75 Resp: 449519

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.889 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

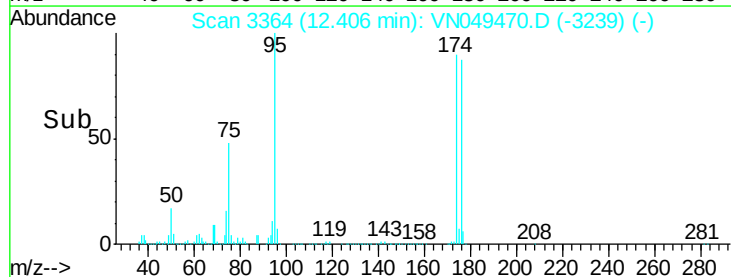
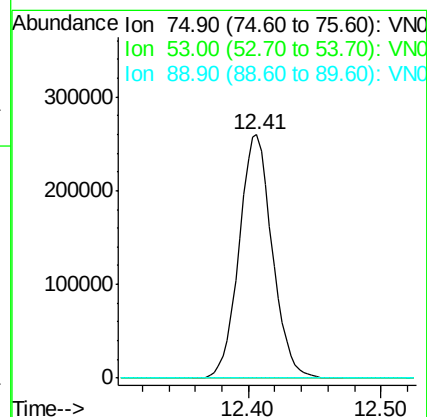
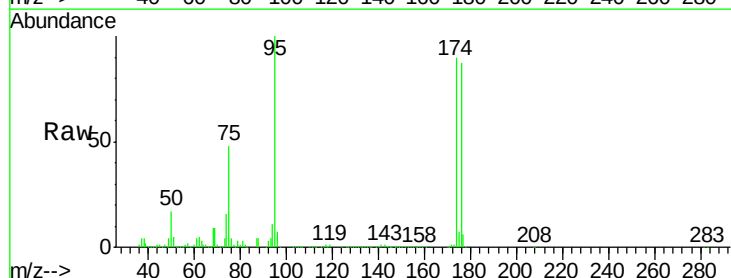
Tgt Ion: 75 Resp: 449519

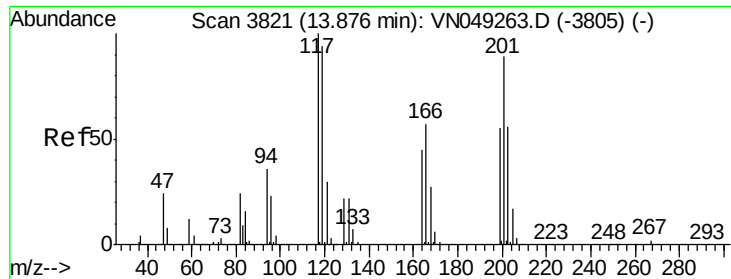
Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

Instrument :

MSVOA_N

ClientSampleId :

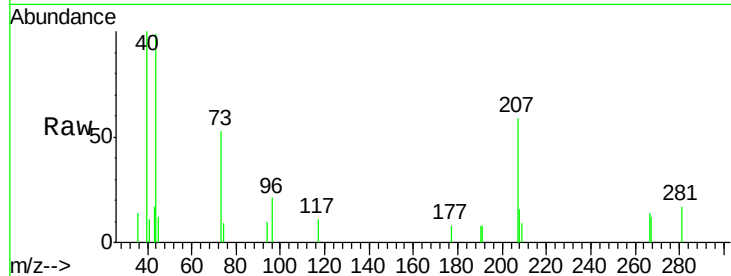
VN0621MBL01

Tgt Ion:117 Resp: 124

Ion Ratio Lower Upper

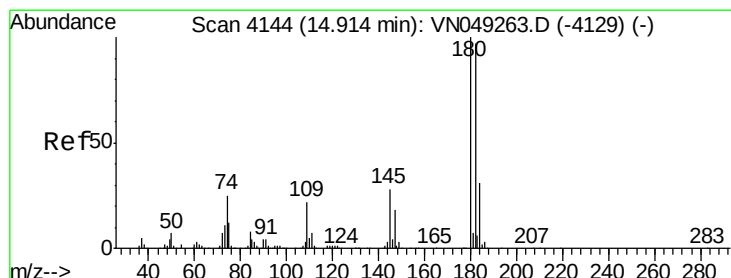
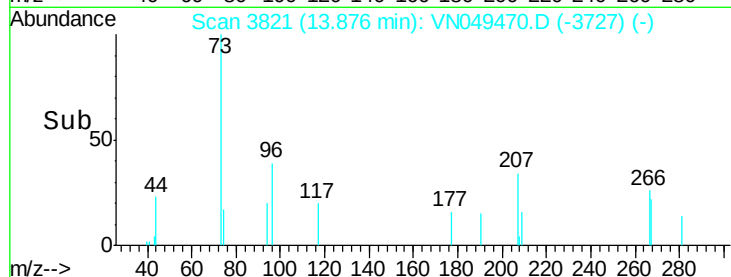
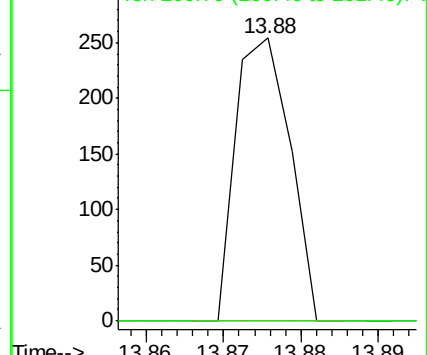
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 4.877 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

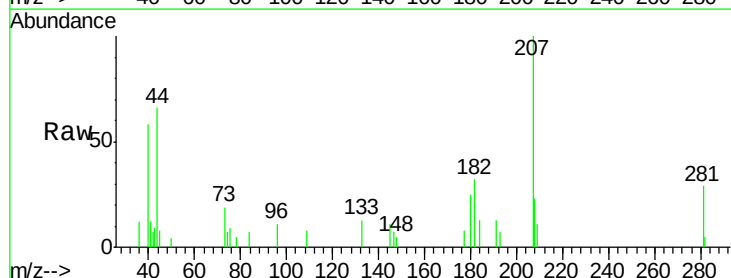
Tgt Ion:180 Resp: 1695

Ion Ratio Lower Upper

180 100

182 102.1 46.9 140.8

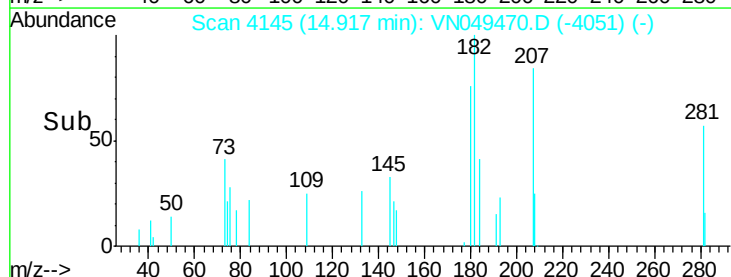
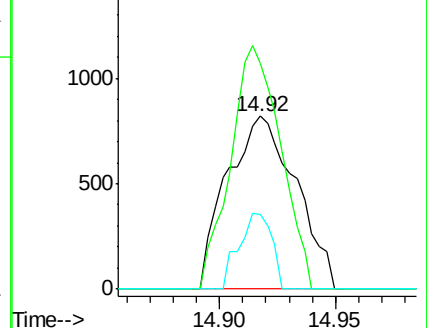
145 20.9 14.7 44.1

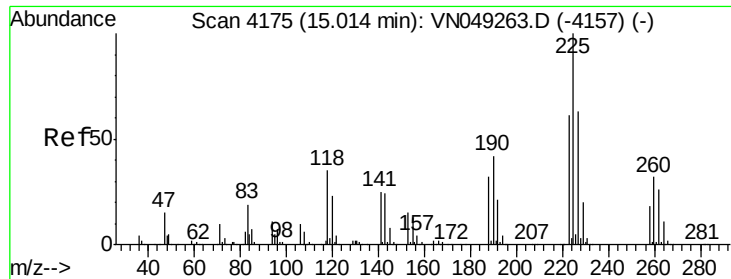


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049470.D

Acq: 21 Jun 2018 16:00

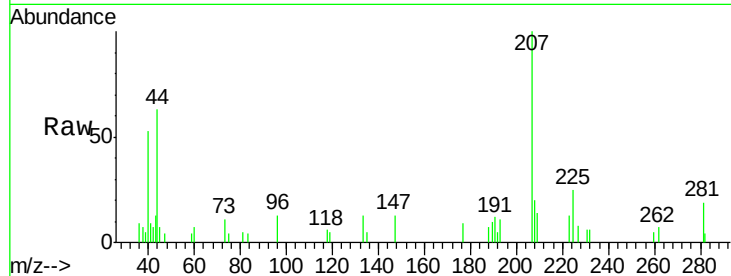
Instrument :

MSVOA_N

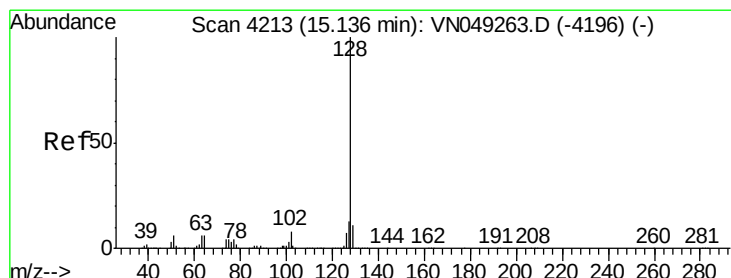
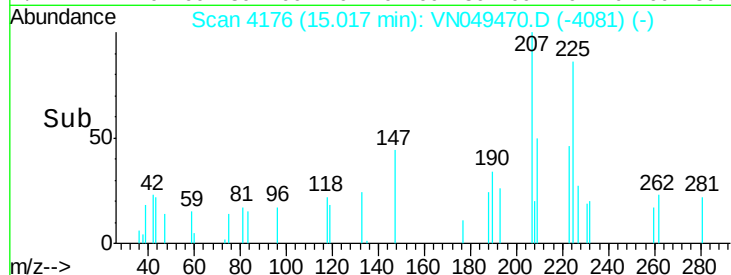
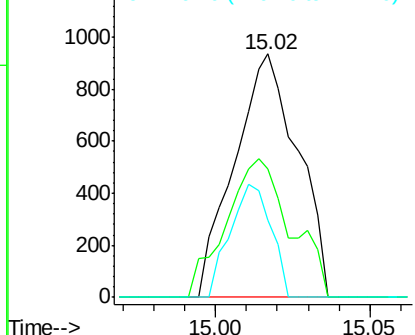
ClientSampled :

VN0621MBL01

Tgt Ion:	225	Resp:	1331
Ion Ratio	Lower	Upper	
225	100		
223	58.3	32.1	96.3
227	30.1	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: 2.243 ug/l

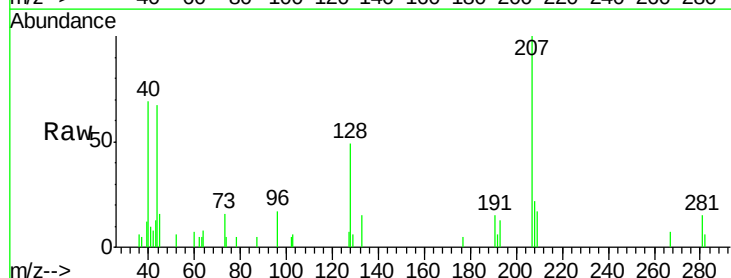
RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

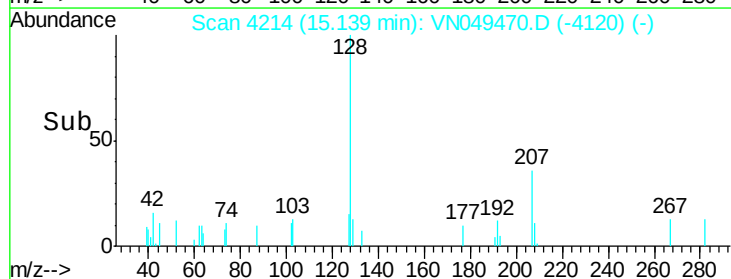
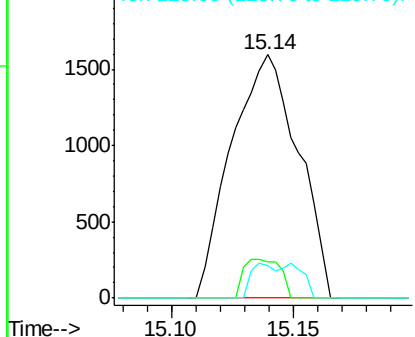
Lab File: VN049470.D

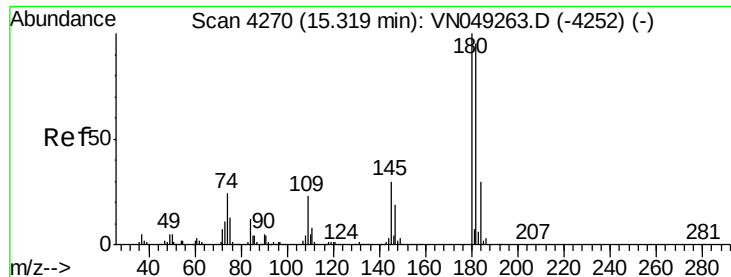
Acq: 21 Jun 2018 16:00

Tgt Ion:	128	Resp:	3030
Ion Ratio	Lower	Upper	
128	100		
127	8.7	10.6	16.0#
129	5.1	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: 3.613 ug/l
 RT: 15.33 min Scan# 4272
 Delta R.T. 0.01 min
 Lab File: VN049470.D
 Acq: 21 Jun 2018 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.1	47.3	141.8
145	21.4	15.6	46.7

