

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054262.D
 Acq On : 14 Mar 2019 15:21
 Operator : JC/SP
 Sample : K1898-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Mar 15 06:53:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1311686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2223816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2321178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	987769	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	706067	50.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	678990	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	
50) Toluene-d8	10.09	98	2753609	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	1051276	56.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.44%	

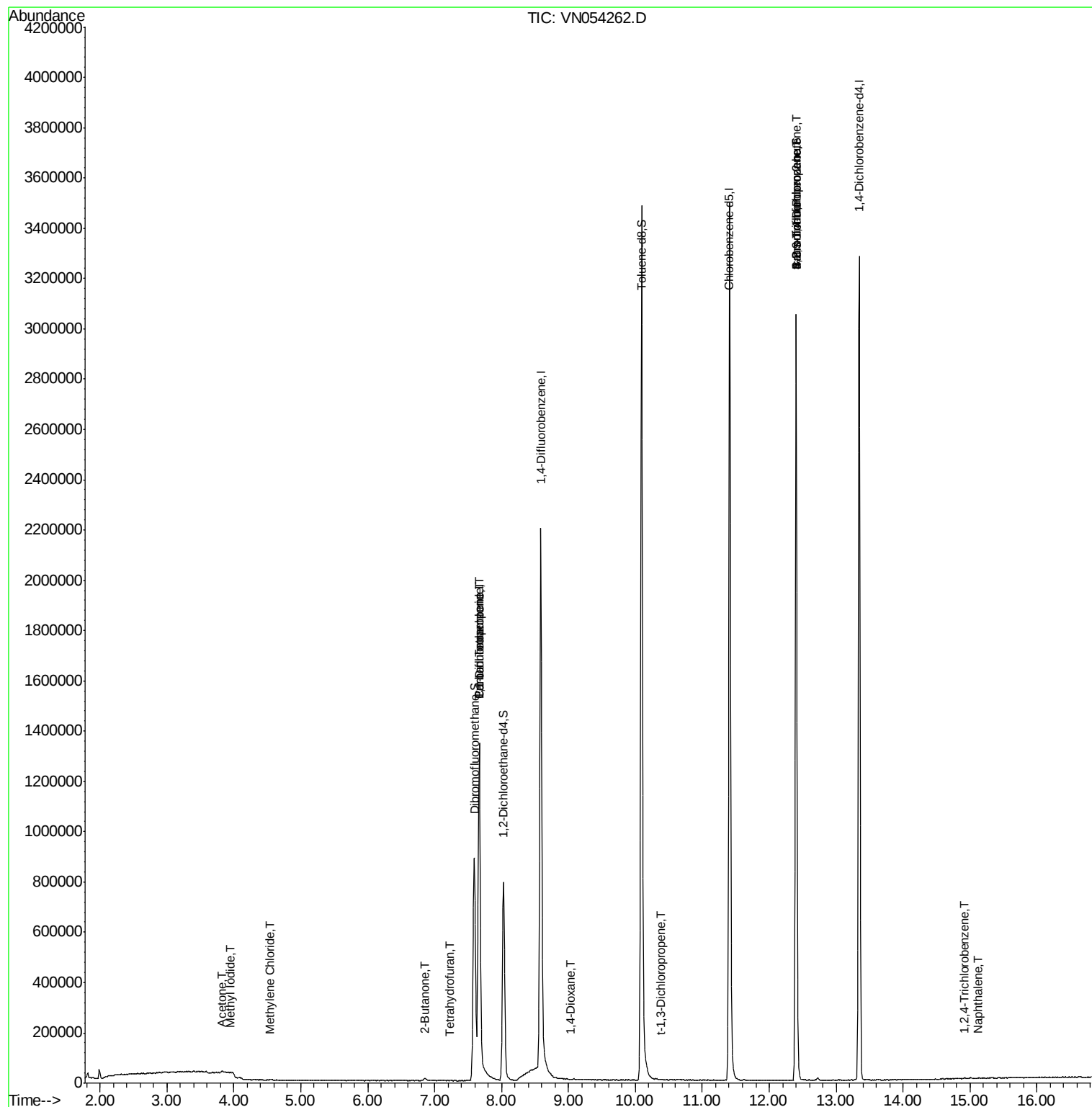
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.96	142	30	1.498	ug/l #	1
16) Acetone	3.82	43	13463	3.375	ug/l #	82
20) Methylene Chloride	4.54	84	3618	0.276	ug/l #	90
25) 2-Butanone	6.84	43	1154	0.247	ug/l #	46
29) Tetrahydrofuran	7.22	42	1052	0.350	ug/l #	47
31) Cyclohexane	7.66	56	19214	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	76527	3.737	ug/l #	49
38) Carbon Tetrachloride	7.67	117	107745	5.017	ug/l #	16
49) 1,4-Dioxane	9.04	88	65	0.438	ug/l #	27
53) t-1,3-Dichloropropene	10.38	75	270	1.997	ug/l #	1
71) Bromoform	12.40	173	6868	2.814	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	506339	34.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	506339	119.162	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	773	2.552	ug/l #	77
95) Naphthalene	15.13	128	2008	3.513	ug/l #	81

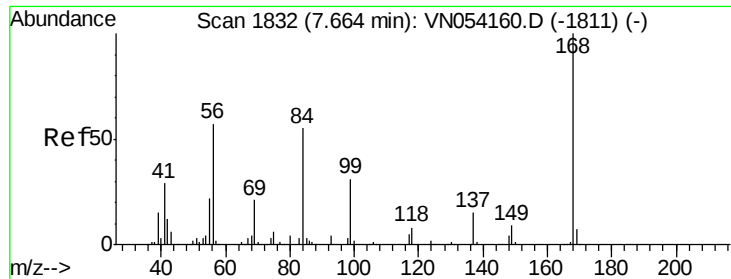
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Mar 15 06:53:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

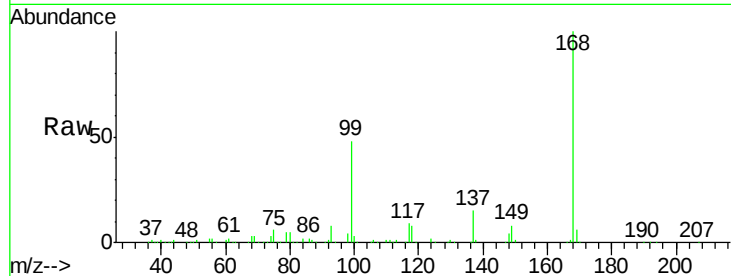
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Tot Ion:168 Resp: 1311686

Ion Ratio Lower Upper

168 100

99 48.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

100000

0

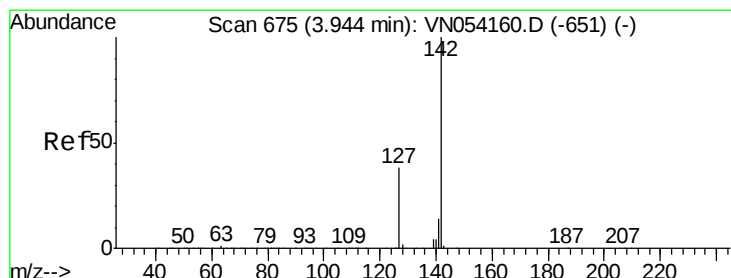
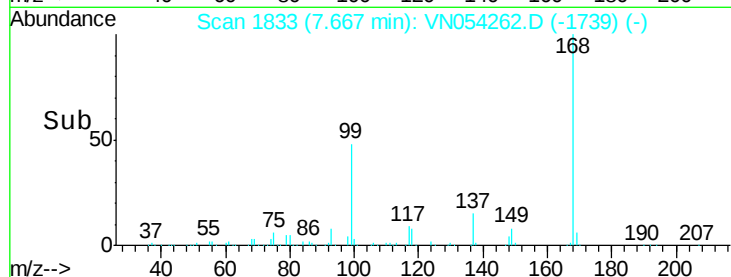
7.67

7.60

7.70

7.80

Time-->



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

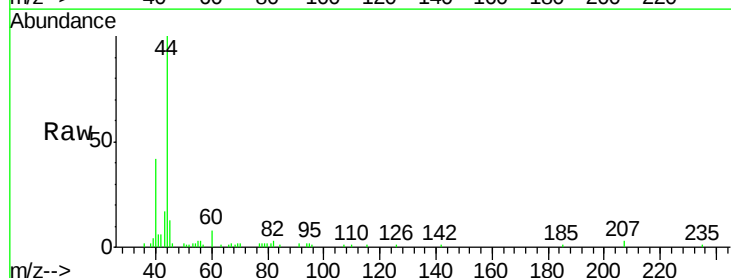
Tgt Ion:142 Resp: 30

Ion Ratio Lower Upper

142 100

127 240.0 30.3 45.5#

141 376.7 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

150

100

50

0

3.94

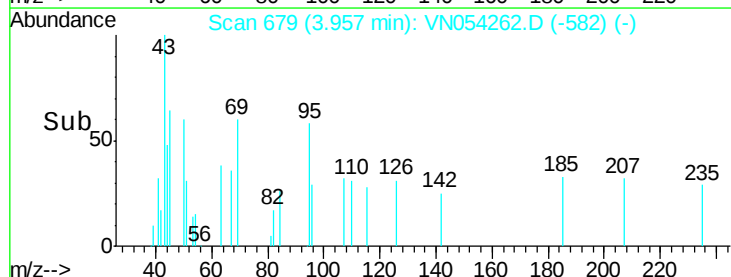
3.95

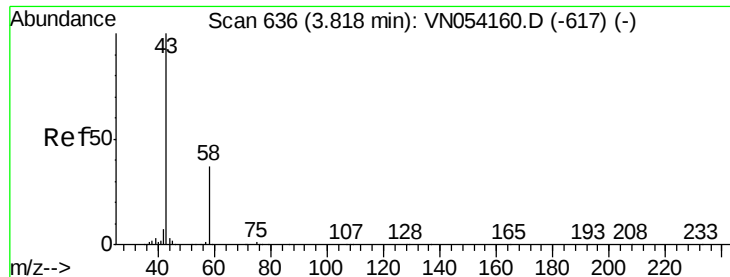
3.96

3.96

3.96

Time-->





#16

Acetone

Concen: 3.375 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

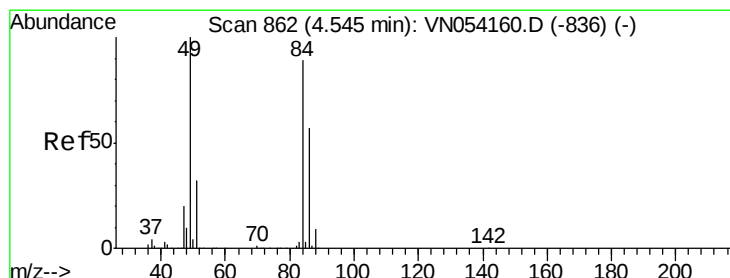
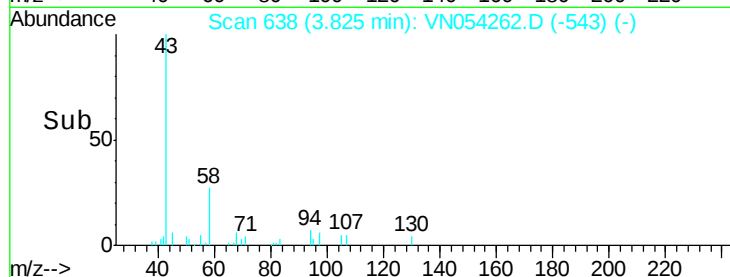
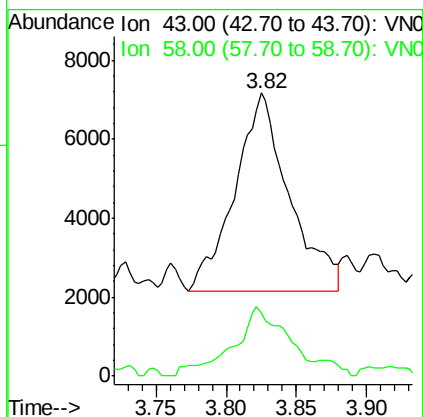
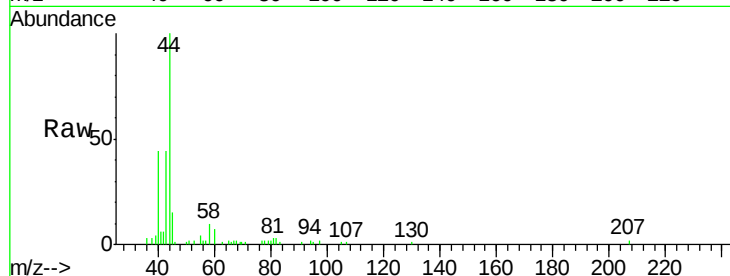
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Tot Ion: 43 Resp: 13463

Ion Ratio Lower Upper

43 100

58 26.7 29.9 44.9#



#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Tgt Ion: 84 Resp: 3618

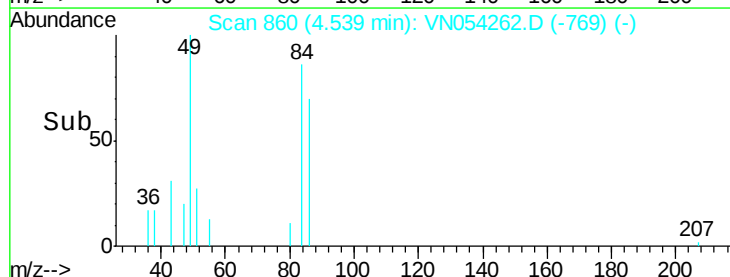
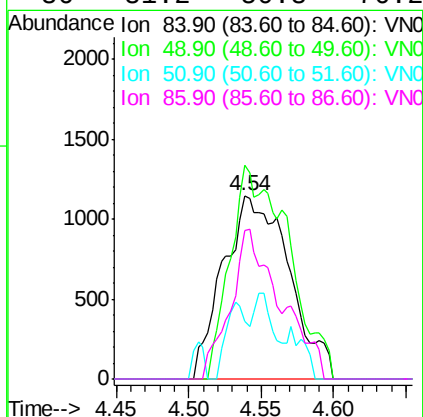
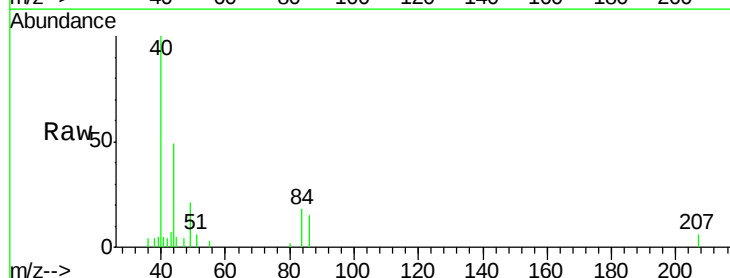
Ion Ratio Lower Upper

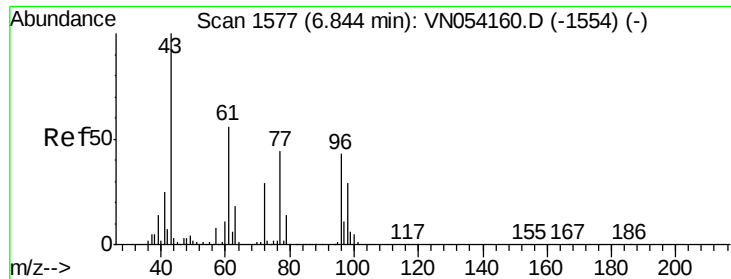
84 100

49 116.6 89.7 134.5

51 31.6 28.2 42.4

86 81.2 50.8 76.2#





#25

2-Butanone

Concen: 0.247 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

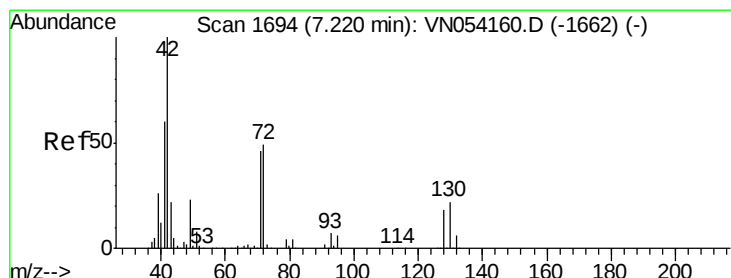
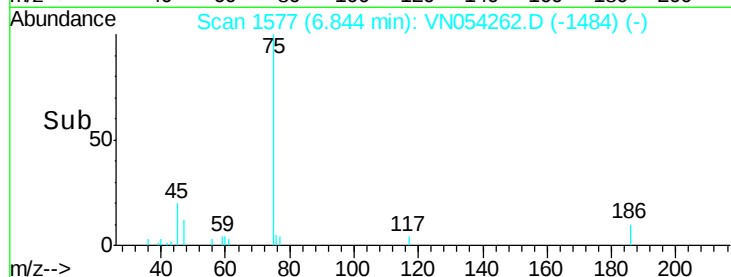
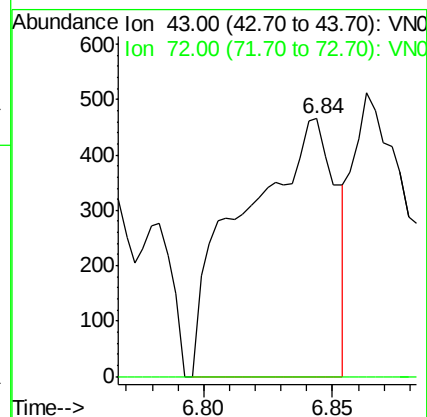
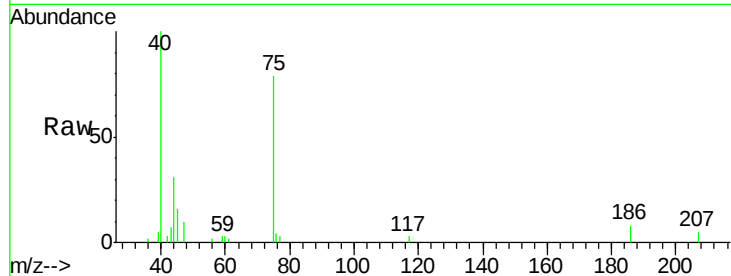
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Tot Ion: 43 Resp: 1154

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

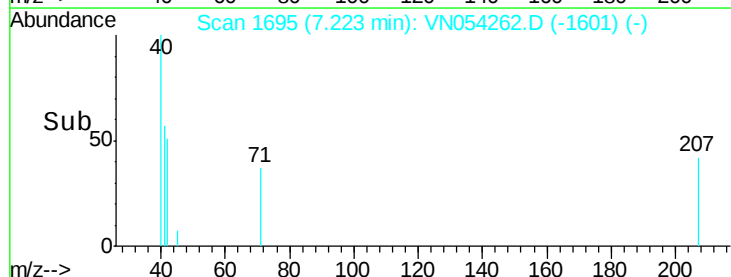
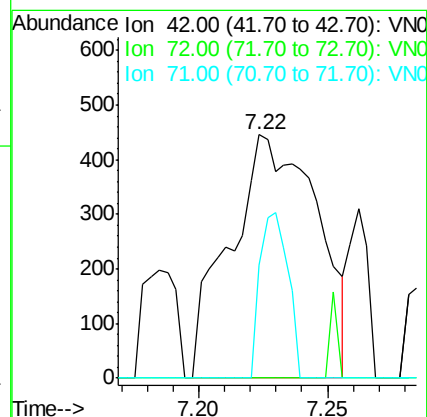
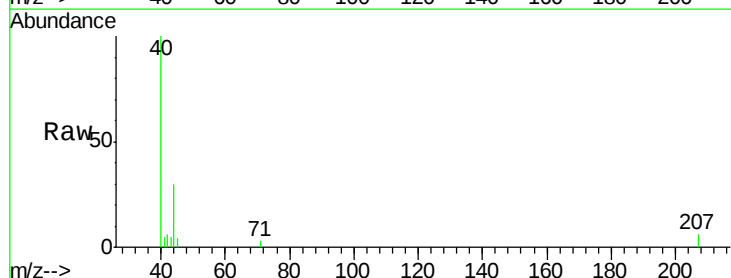
Tgt Ion: 42 Resp: 1052

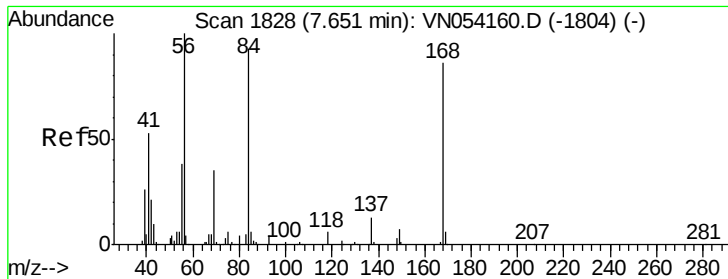
Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 22.1 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

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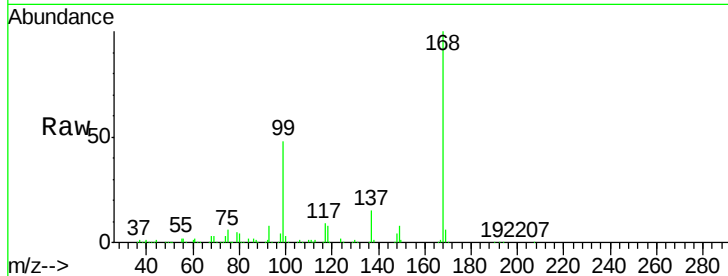
Tot Ion: 56 Resp: 19214

Ion Ratio Lower Upper

56 100

69 199.5 27.8 41.6#

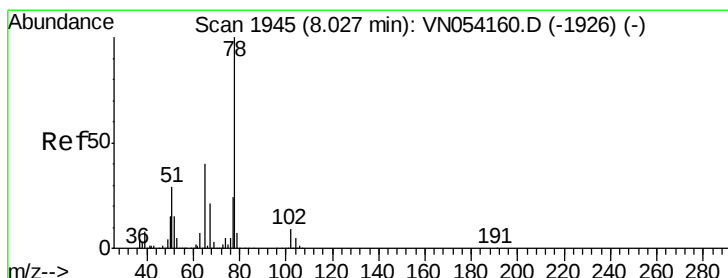
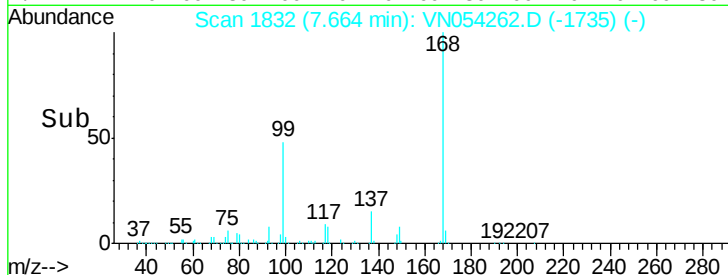
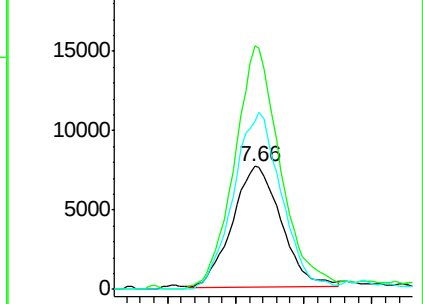
84 139.6 74.6 111.8#



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: 50.686 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054262.D

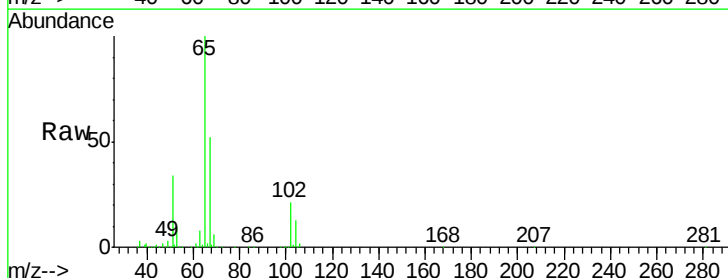
Acq: 14 Mar 2019 15:21

Tgt Ion: 65 Resp: 706067

Ion Ratio Lower Upper

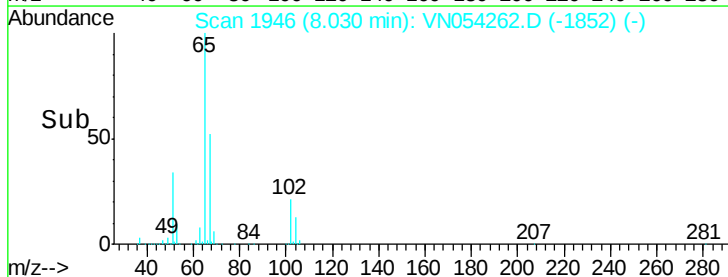
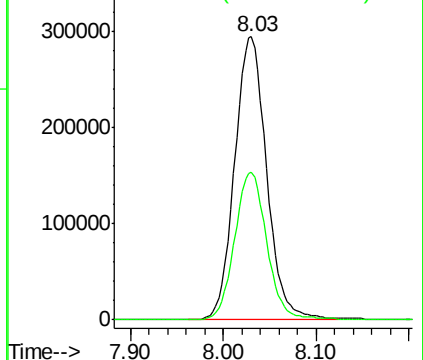
65 100

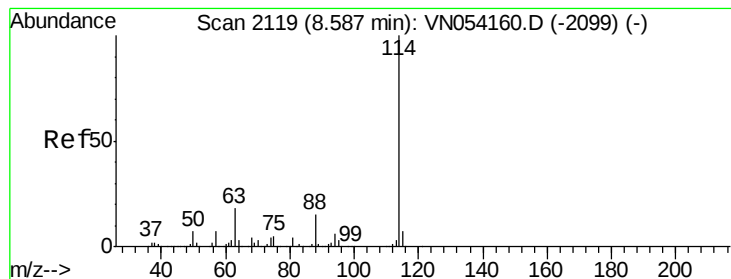
67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

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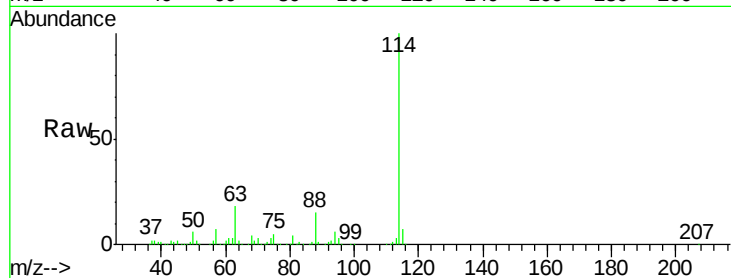
Tot Ion:114 Resp: 2223816

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

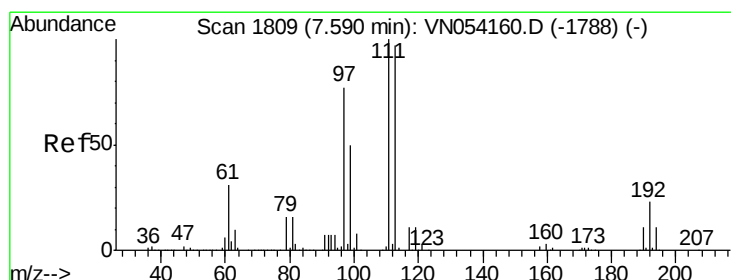
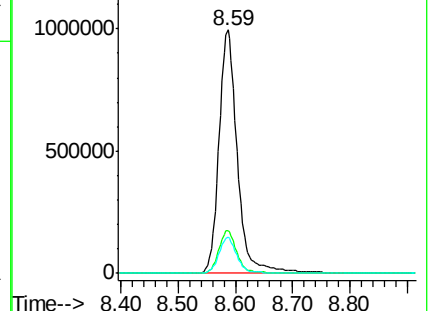
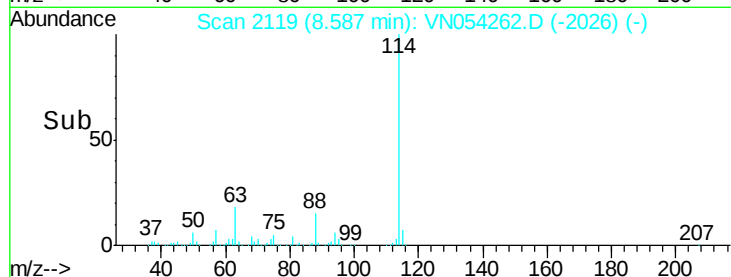
88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.340 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

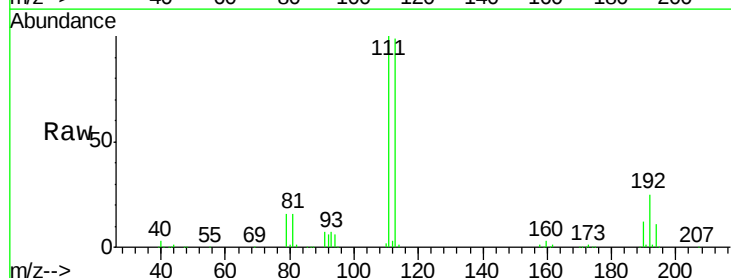
Tgt Ion:113 Resp: 678990

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

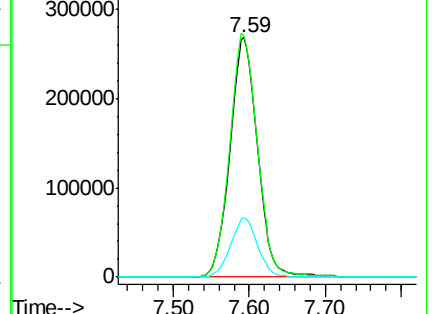
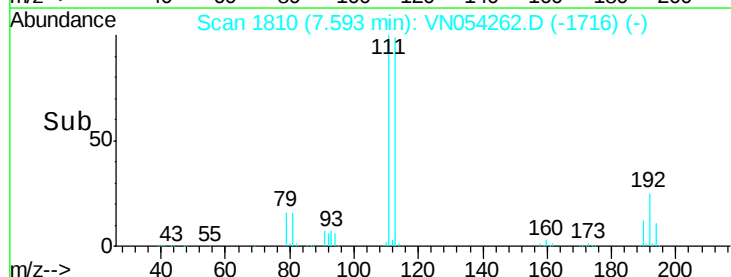
192 24.1 19.2 28.8

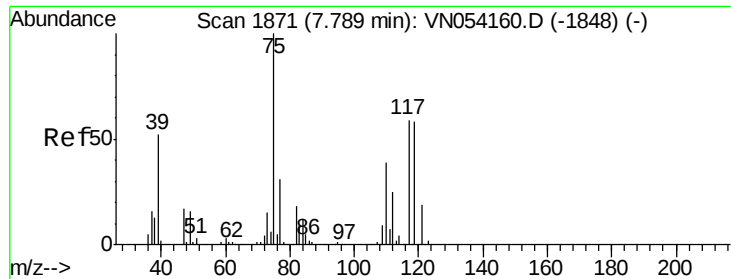


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

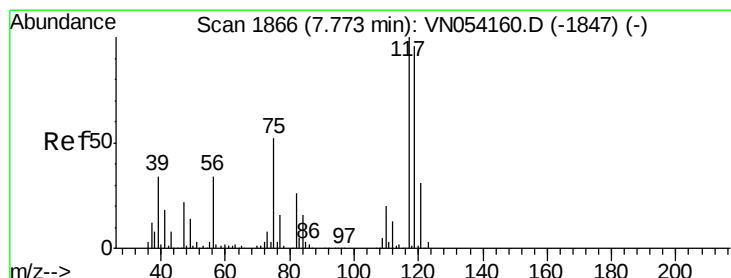
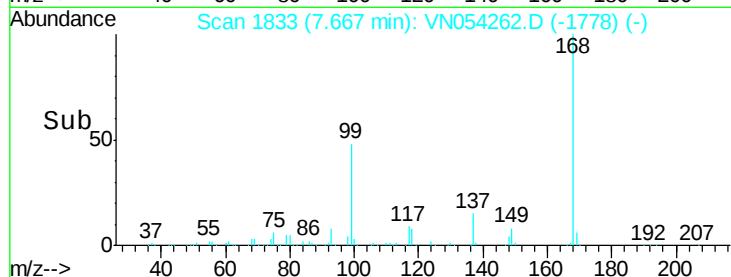
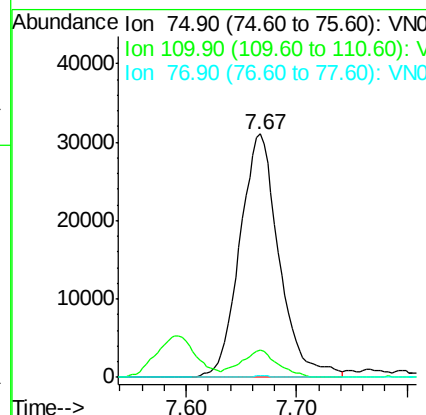
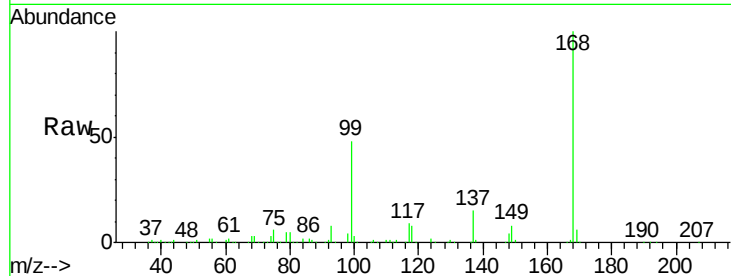




#36
 1,1-Dichloropropene
 Concen: 3.737 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054262.D
 Acq: 14 Mar 2019 15:21

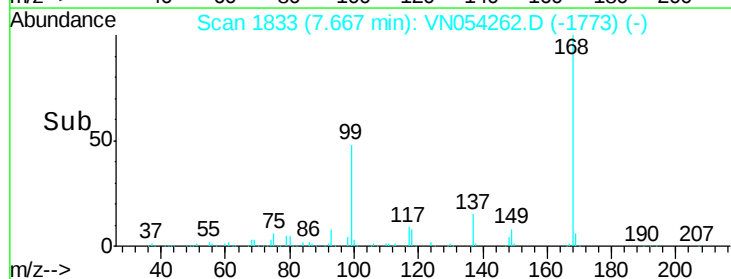
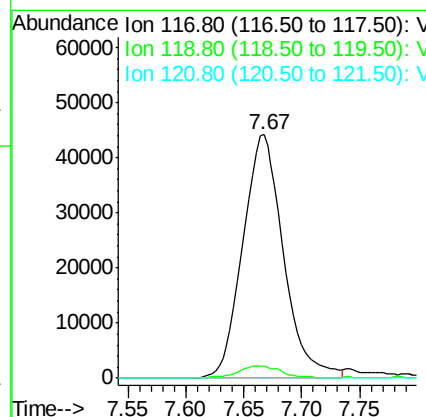
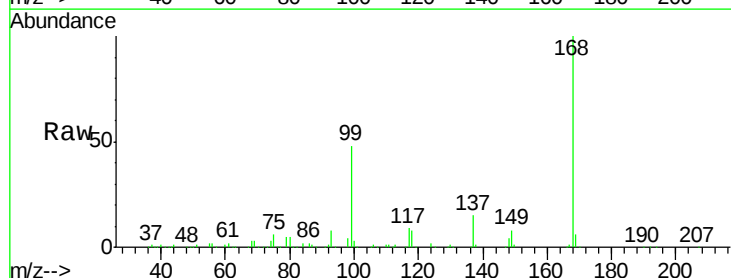
Instrument :
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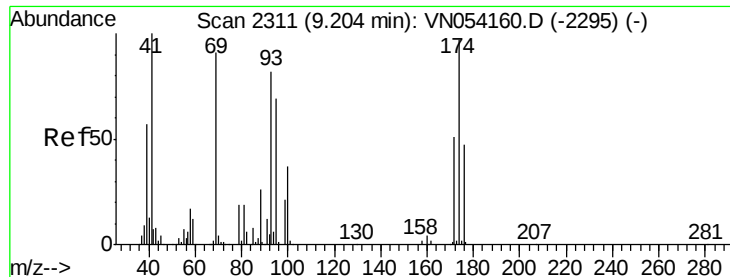
Tot Ion: 75 Resp: 76527
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.1 57.5#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.017 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054262.D
 Acq: 14 Mar 2019 15:21

Tgt Ion: 117 Resp: 107745
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.3 114.5#
 121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 0.438 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.16 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

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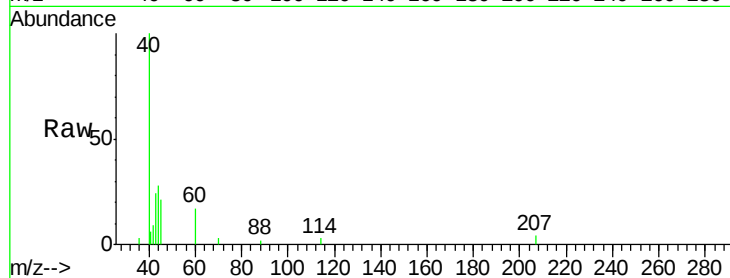
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

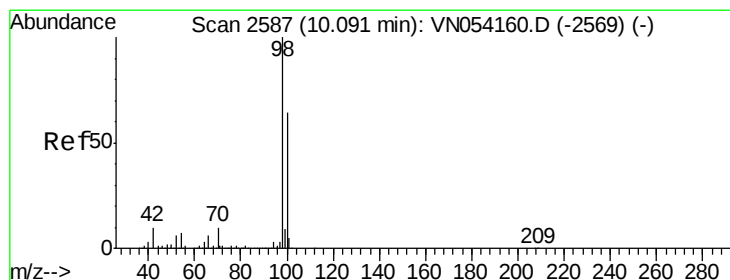
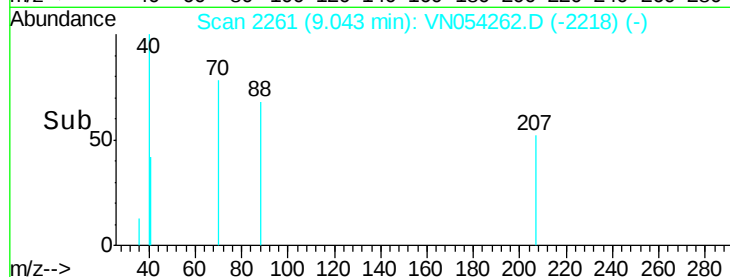
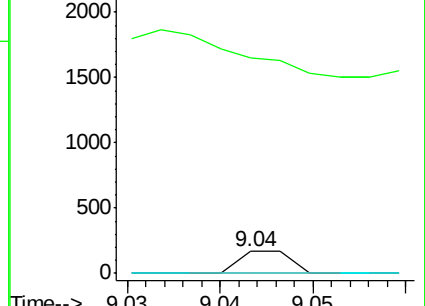
58 0.0 50.8 76.2#



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: 51.985 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054262.D

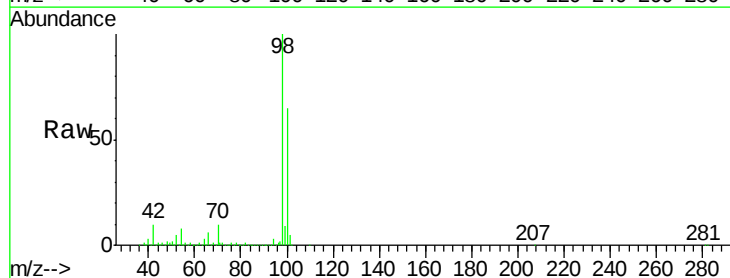
Acq: 14 Mar 2019 15:21

Tgt Ion: 98 Resp: 2753609

Ion Ratio Lower Upper

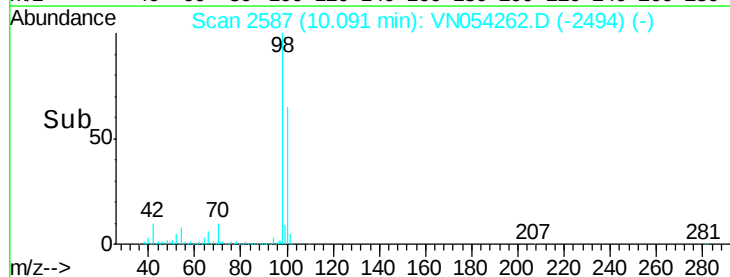
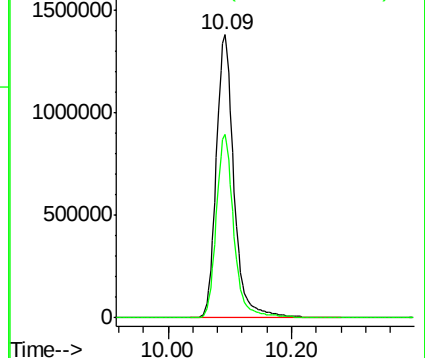
98 100

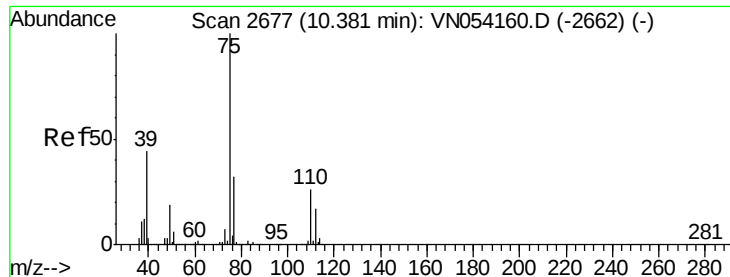
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

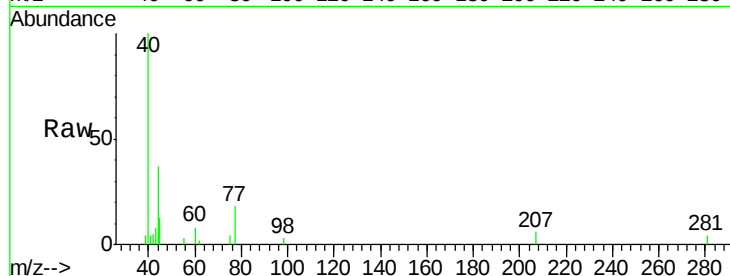
FIELD-BLANK

Tot Ion: 75 Resp: 270

Ion Ratio Lower Upper

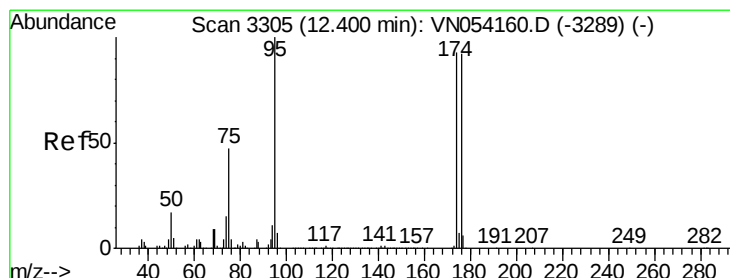
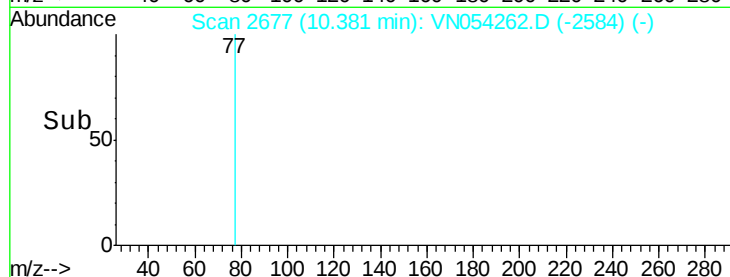
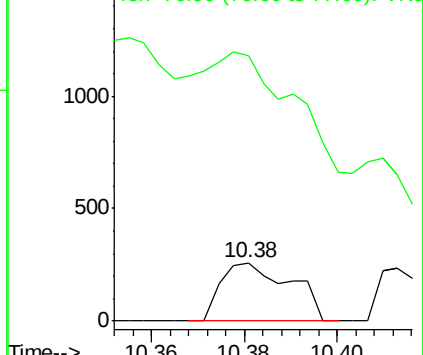
75 100

77 199.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 56.721 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

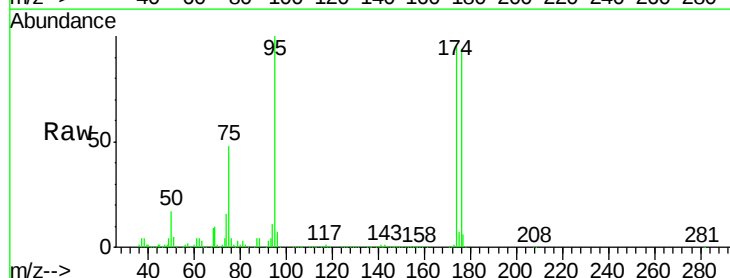
Tgt Ion: 95 Resp: 1051276

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

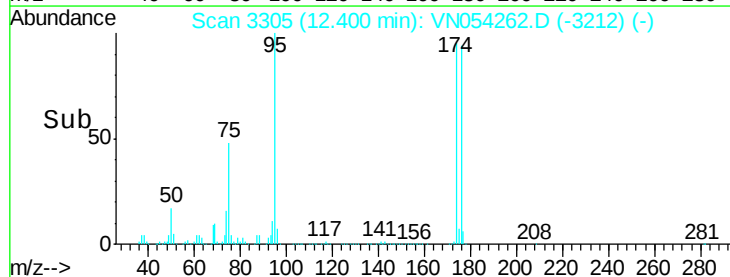
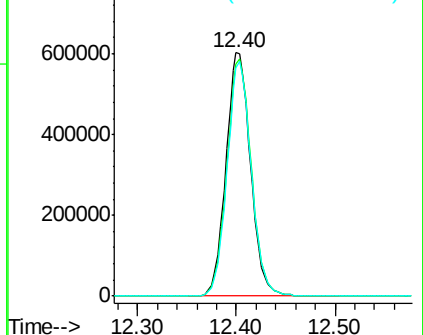
176 94.8 0.0 187.4

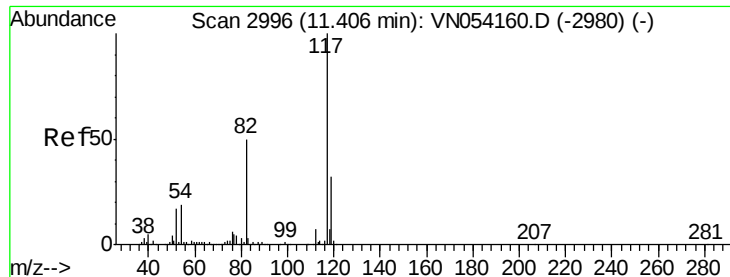


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

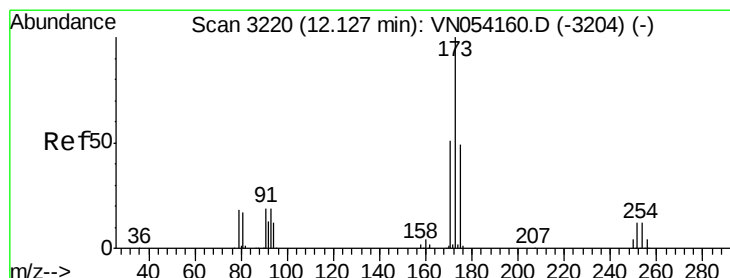
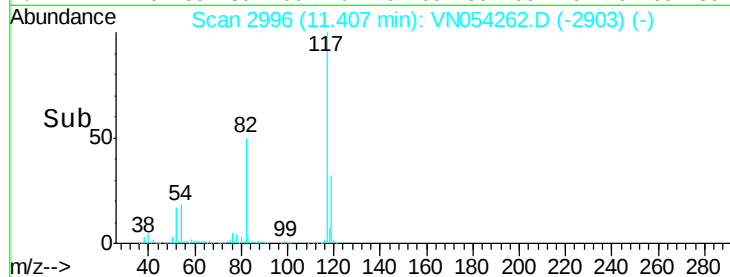
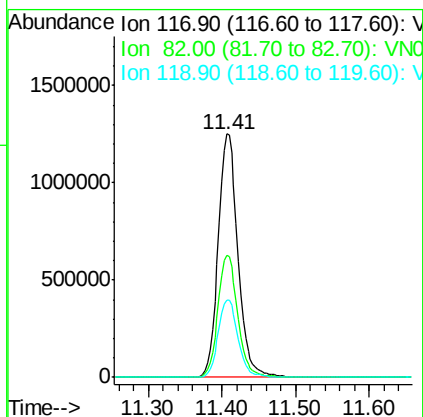
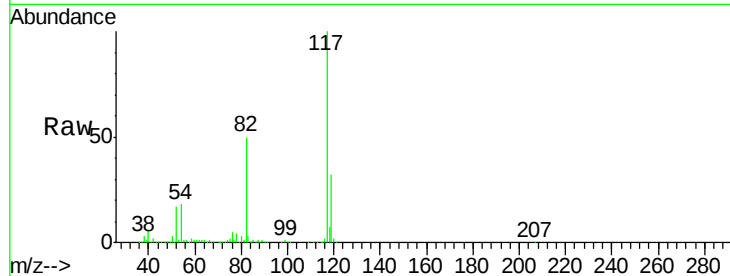




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054262.D
Acq: 14 Mar 2019 15:21

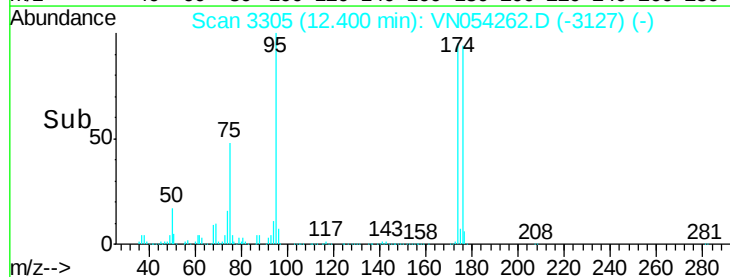
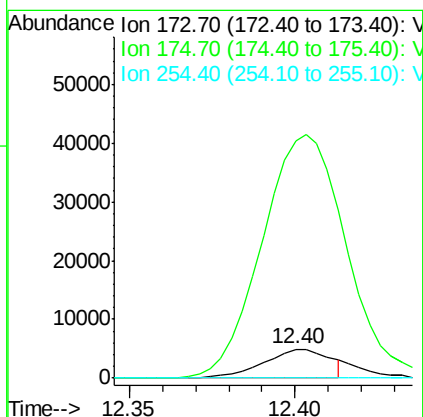
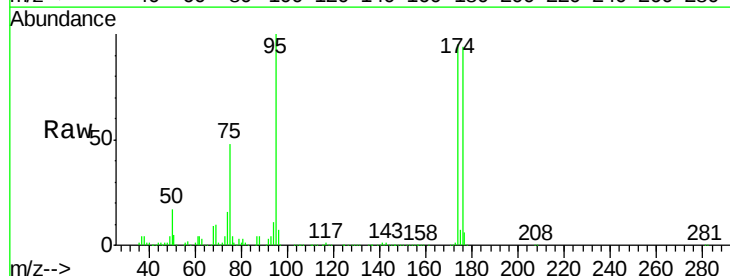
Instrument :
MSVOA_N
ClientSampleId :
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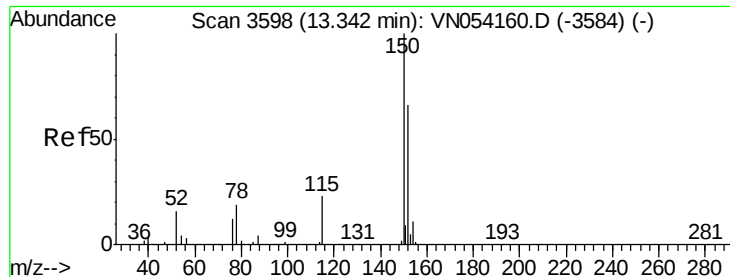
Tot Ion:117 Resp: 2321178
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 31.8 25.8 38.6



#71
Bromoform
Concen: 2.814 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054262.D
Acq: 14 Mar 2019 15:21

Tgt Ion:173 Resp: 6868
Ion Ratio Lower Upper
173 100
175 899.5 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

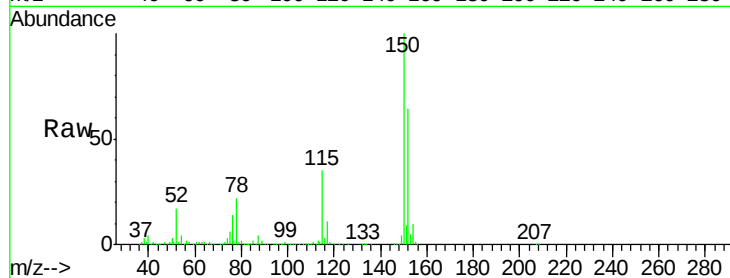
Tot Ion:152 Resp: 987769

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

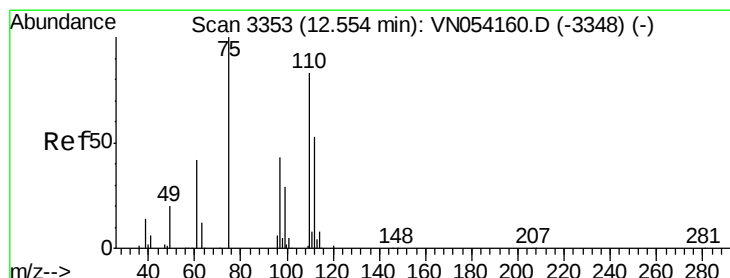
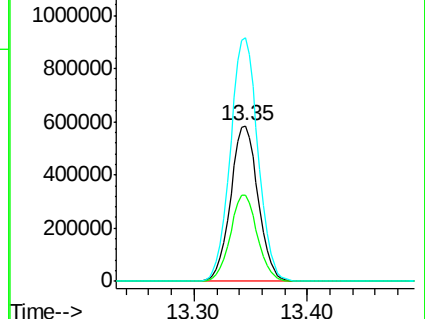
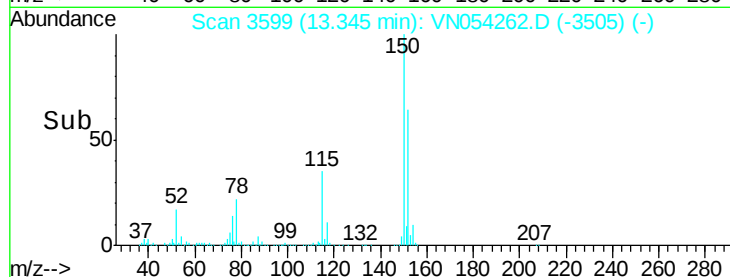
150 157.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 34.858 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054262.D

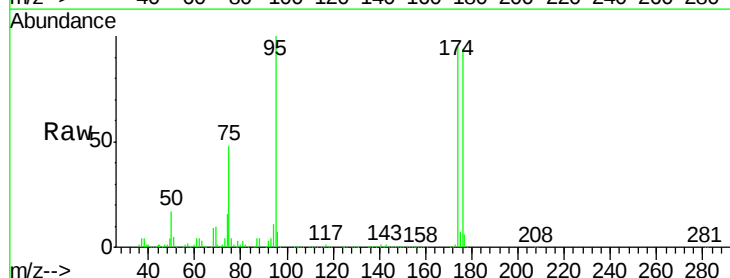
Acq: 14 Mar 2019 15:21

Tgt Ion: 75 Resp: 506339

Ion Ratio Lower Upper

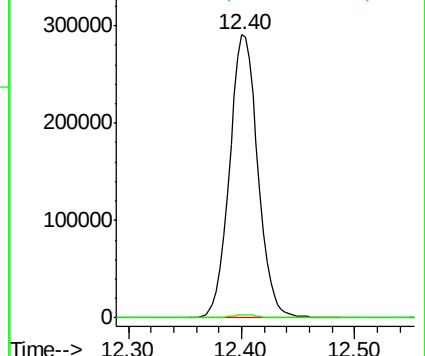
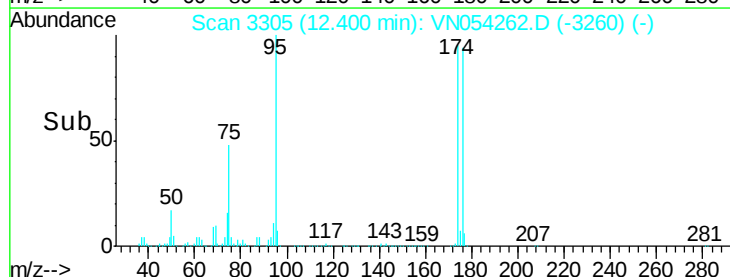
75 100

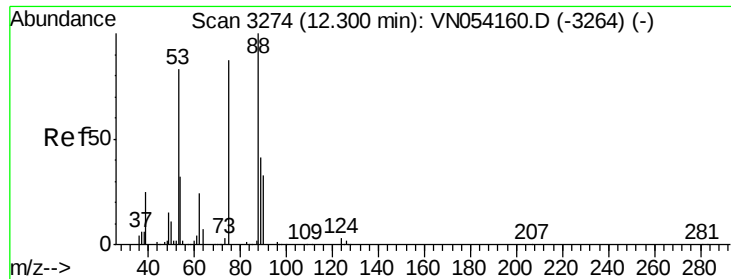
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

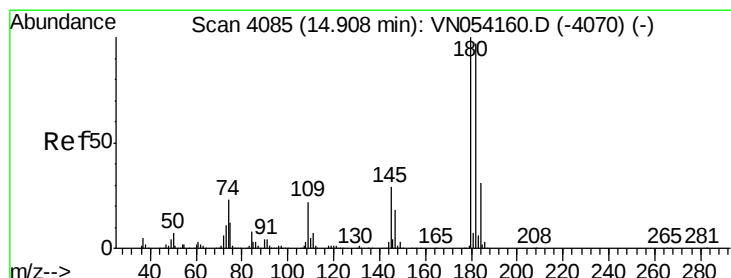
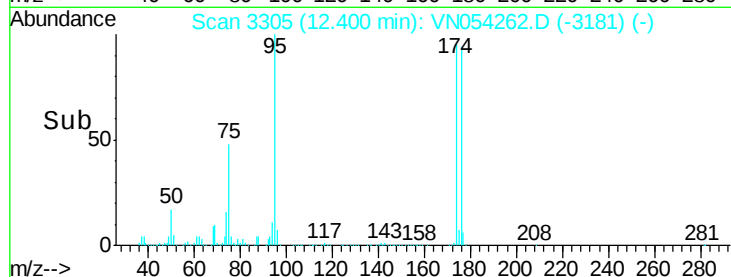
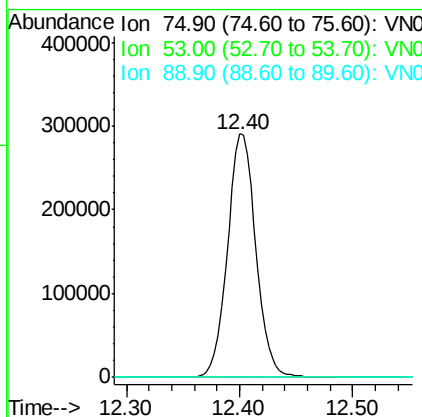
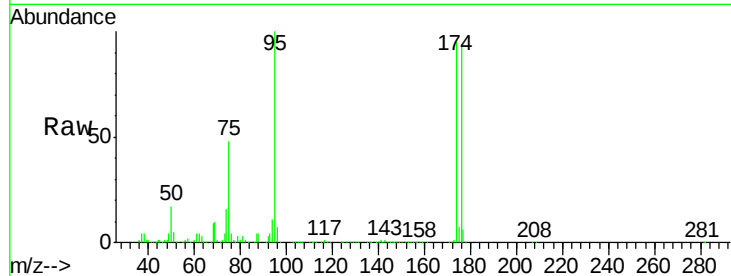




#81
trans-1,4-Dichloro-2-butene
Concen: 119.162 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054262.D
Acq: 14 Mar 2019 15:21

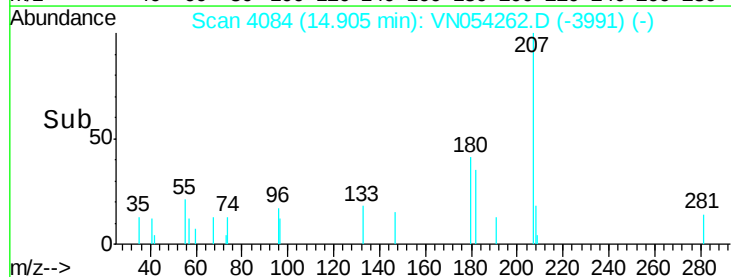
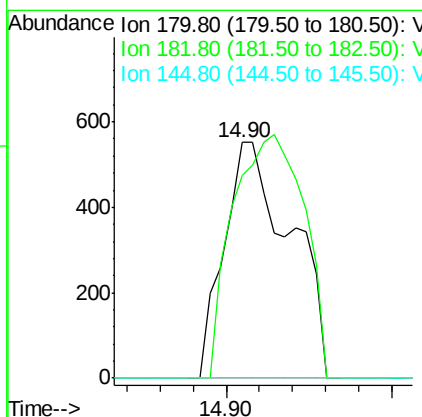
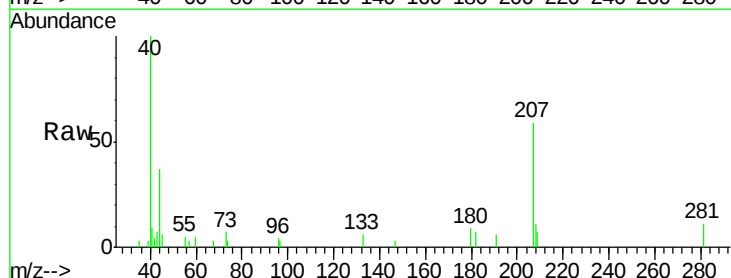
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

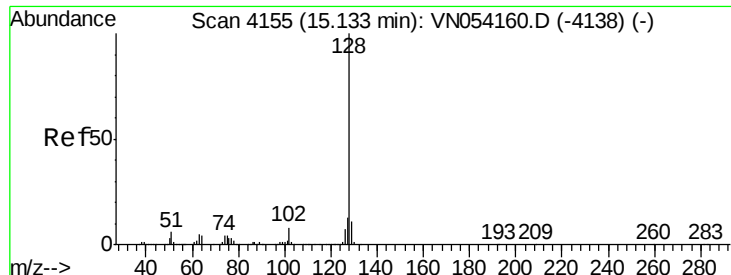
Tot Ion: 75 Resp: 506339
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.552 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN054262.D
Acq: 14 Mar 2019 15:21

Tgt Ion:180 Resp: 773
Ion Ratio Lower Upper
180 100
182 109.8 48.0 144.2
145 0.0 14.2 42.8#





#95

Naphthalene

Concen: 3.513 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054262.D

Acq: 14 Mar 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

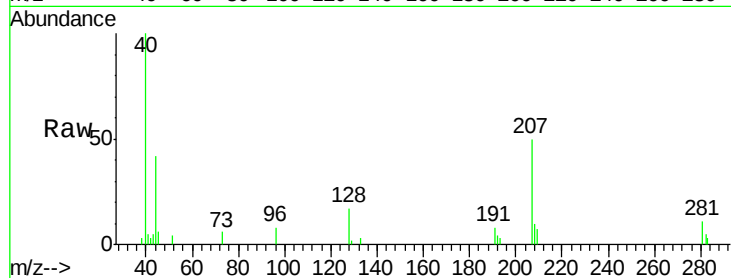
Tot Ion:128 Resp: 2008

Ion Ratio Lower Upper

128 100

127 3.6 10.1 15.1#

129 5.7 8.7 13.1#



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

