

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054268.D
 Acq On : 14 Mar 2019 18:04
 Operator : JC/SP
 Sample : K1898-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Mar 15 06:55:32 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	1475761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2456785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2524697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1083648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	759867	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	754611	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	10.09	98	3017059	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	1139172	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.19	62	387911	24.981	ug/l	99
6) Chloroethane	2.71	64	594254	63.249	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4635	0.300	ug/l #	16
10) Methyl Iodide	3.95	142	1722	1.573	ug/l #	73
11) Tert butyl alcohol	4.81	59	16234	15.109	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	2041251	133.141	ug/l	97
13) Acrolein	3.62	56	343	0.337	ug/l #	14
16) Acetone	3.82	43	2643	0.589	ug/l	94
18) Methyl Acetate	4.34	43	3596	0.396	ug/l #	62
20) Methylene Chloride	4.55	84	19842	1.347	ug/l	97
24) 1,1-Dichloroethane	5.85	63	656964	26.062	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	326488	19.922	ug/l	86
29) Tetrahydrofuran	7.24	42	1621	0.479	ug/l #	82
31) Cyclohexane	7.66	56	25347	Below Cal	#	3
36) 1,1-Dichloropropene	7.66	75	86779	3.836	ug/l #	49
38) Carbon Tetrachloride	7.66	117	121321	5.113	ug/l #	16
39) Methylcyclohexane	9.08	83	11079	0.398	ug/l	96
40) Benzene	8.04	78	48880	0.755	ug/l	97
42) 1,2-Dichloroethane	8.13	62	146021	6.680	ug/l	98
43) Isopropyl Acetate	8.15	43	121219	5.312	ug/l #	78
44) Trichloroethene	8.84	130	17184	0.854	ug/l	86
48) Methyl methacrylate	9.21	41	5674	0.490	ug/l #	38
49) 1,4-Dioxane	9.20	88	462081	2821.036	ug/l #	93
53) t-1,3-Dichloropropene	10.38	75	240	1.995	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.88	63	342	16.869	ug/l #	44
59) 2-Hexanone	10.61	43	11987	1.492	ug/l	80
68) m/p-Xylenes	11.62	106	9920	0.276	ug/l	86
69) o-Xylene	11.95	106	10959	0.313	ug/l	97
71) Bromoform	12.40	173	7015	2.786	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.39	83	13229	0.716	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	537135	33.707	ug/l #	100
77) Bromobenzene	12.55	156	209849	9.147	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	537135	115.225	ug/l #	29
84) 1,2,4-Trimethylbenzene	13.04	105	17479	0.247	ug/l	100

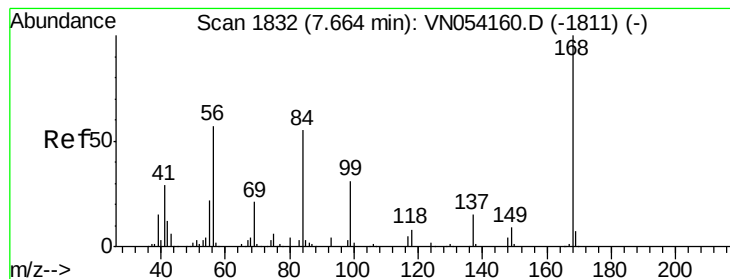
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
Data File : VN054268.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.04	75	770	0.269	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1030	2.559	ug/l #	34
95) Naphthalene	15.13	128	433448	11.957	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

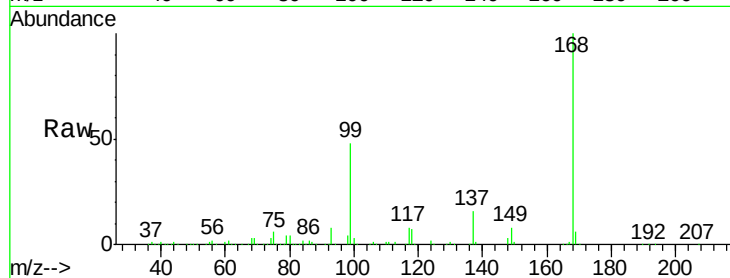
MW-1

Tot Ion:168 Resp: 1475761

Ion Ratio Lower Upper

168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

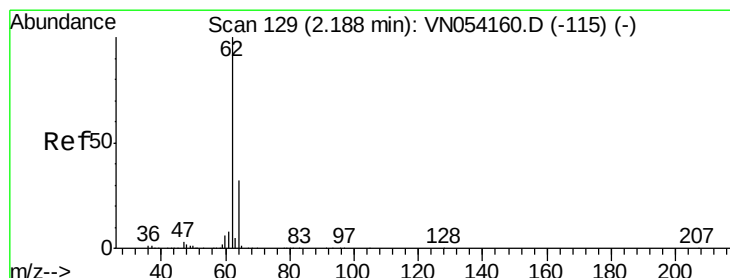
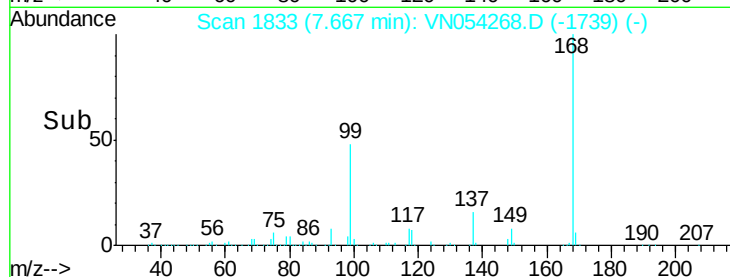
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 24.981 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054268.D

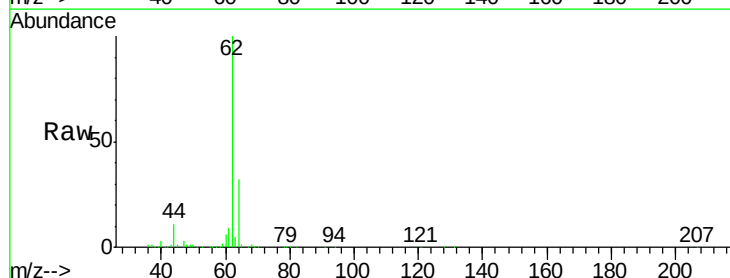
Acq: 14 Mar 2019 18:04

Tgt Ion: 62 Resp: 387911

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

300000

250000

200000

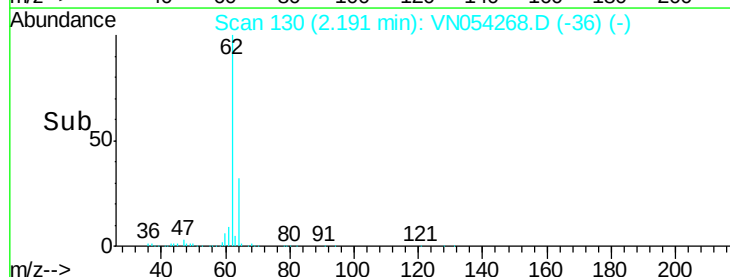
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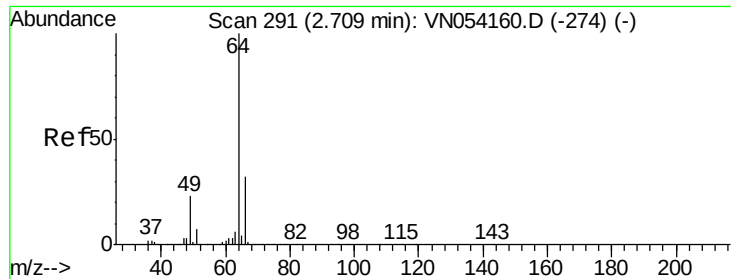
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50000

0

Time-->





#6

Chloroethane

Concen: 63.249 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

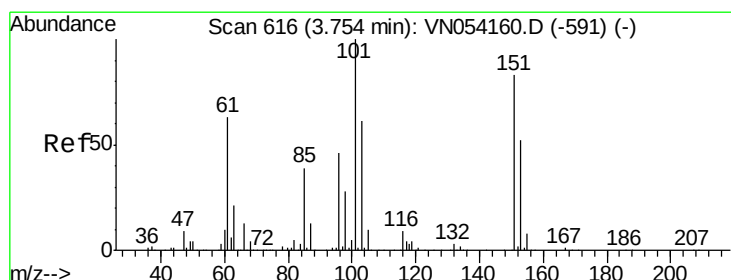
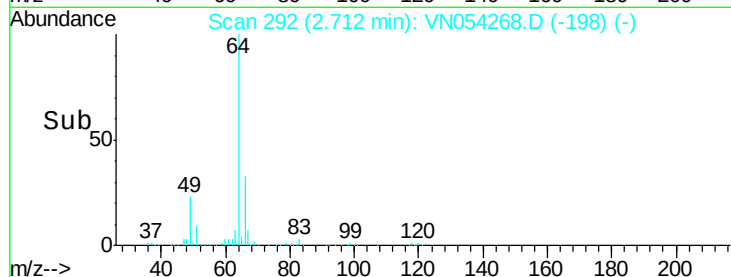
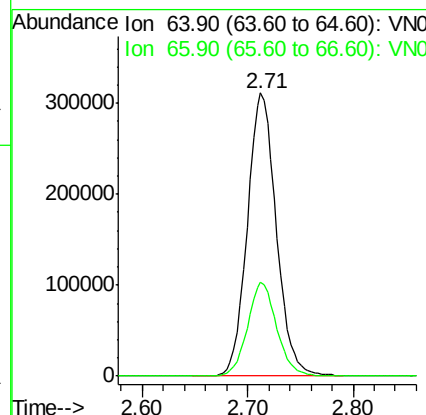
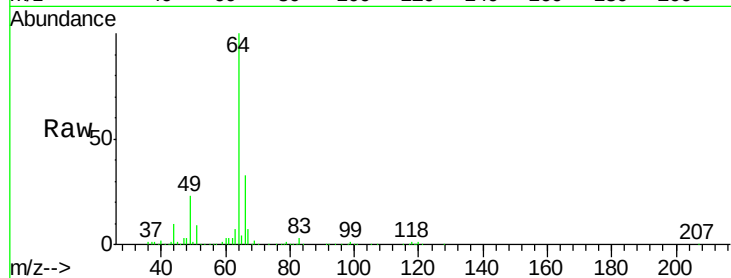
MW-1

Tot Ion: 64 Resp: 594254

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.300 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.02 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

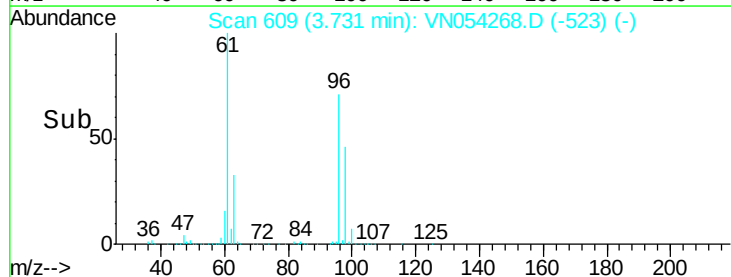
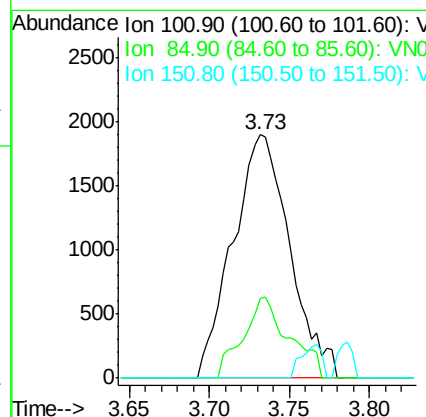
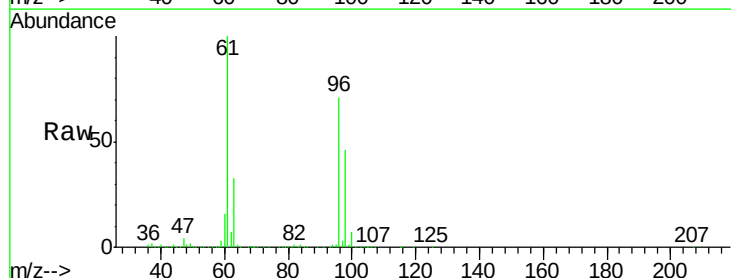
Tgt Ion: 101 Resp: 4635

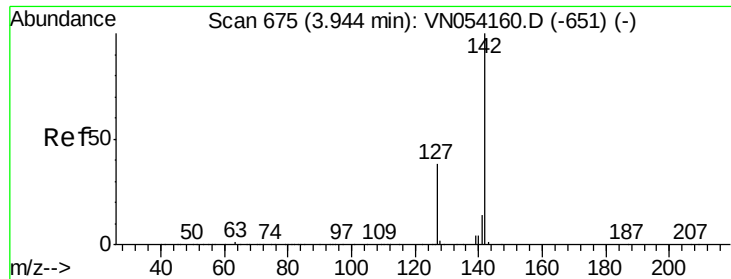
Ion Ratio Lower Upper

101 100

85 0.0 32.4 48.6#

151 0.0 68.2 102.2#

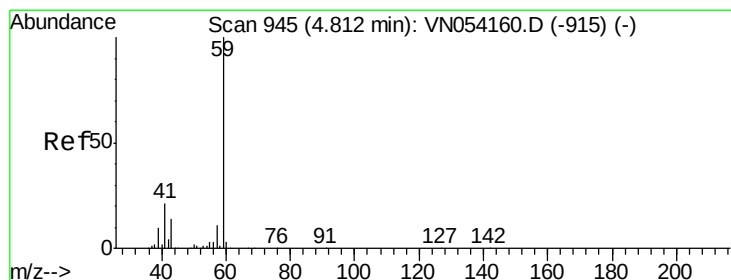
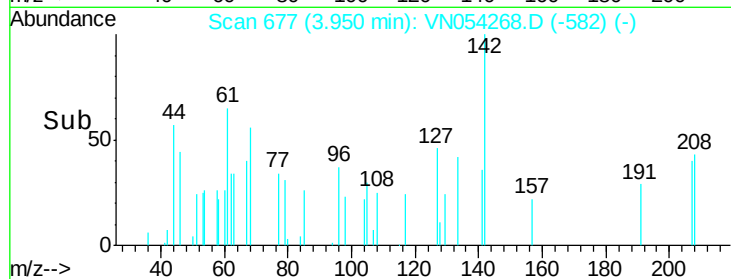
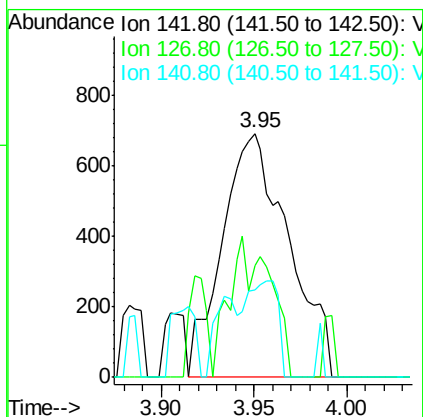
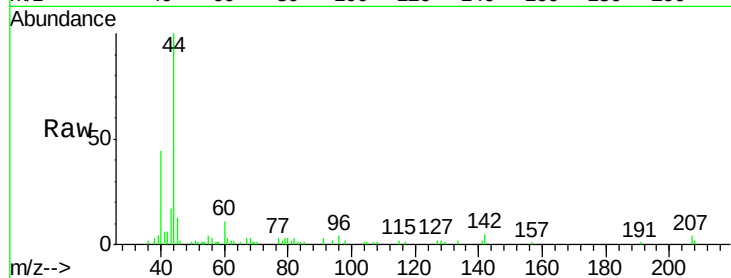




#10
Methvl Iodide
Concen: 1.573 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

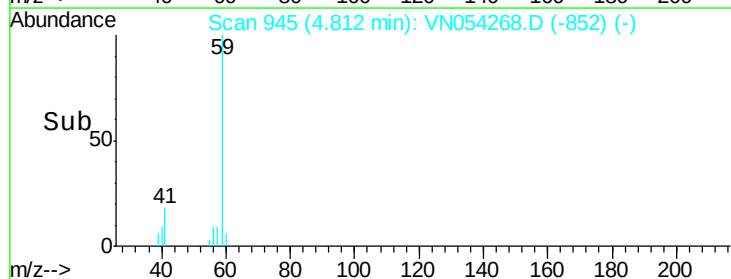
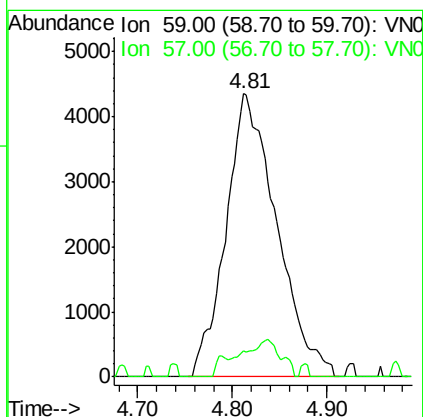
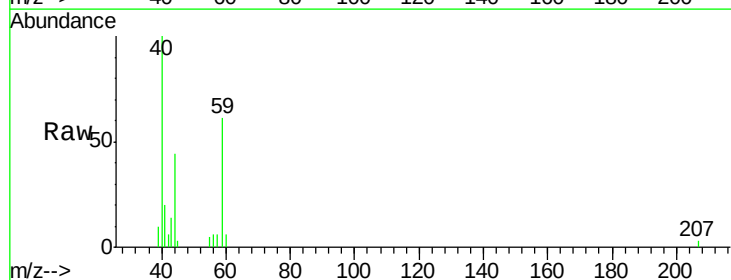
Instrument :
MSVOA_N
ClientSampleId :
MW-1

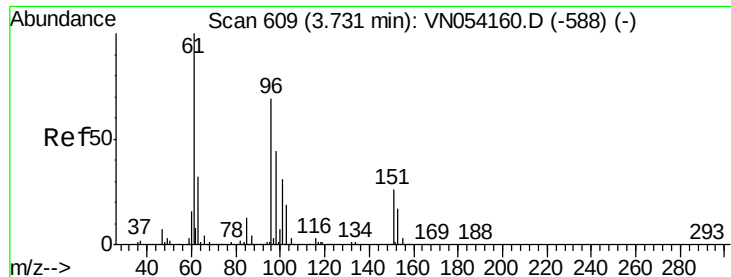
Tot Ion:142 Resp: 1722
Ion Ratio Lower Upper
142 100
127 17.7 30.3 45.5#
141 17.2 11.2 16.8#



#11
Tert butyl alcohol
Concen: 15.109 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

Tgt Ion: 59 Resp: 16234
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#12

1,1-Dichloroethene

Concen: 133.141 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-1

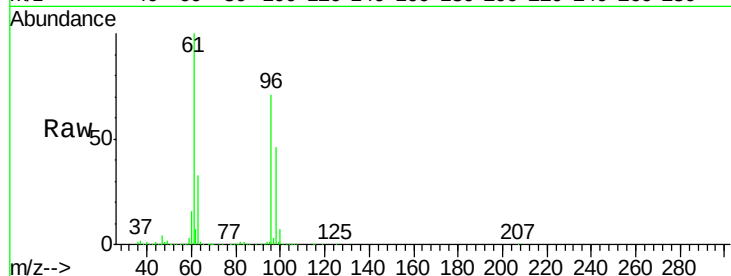
Tot Ion: 96 Resp: 2041251

Ion Ratio Lower Upper

96 100

61 141.3 116.5 174.7

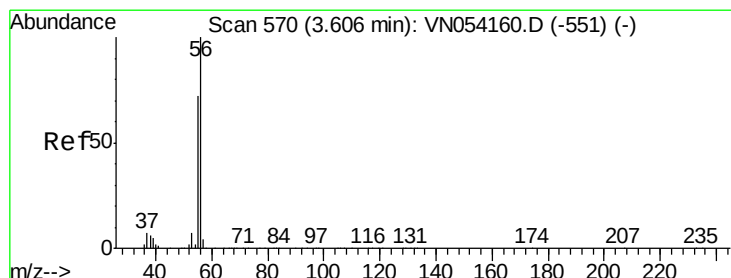
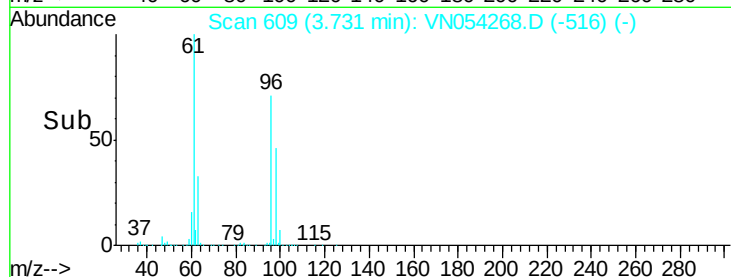
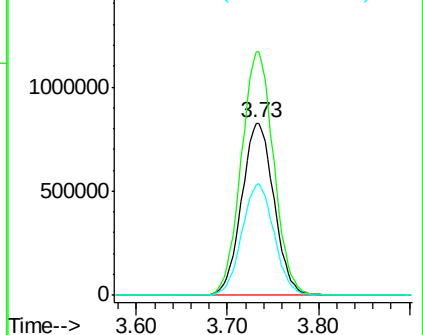
98 64.4 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#13

Acrolein

Concen: 0.337 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054268.D

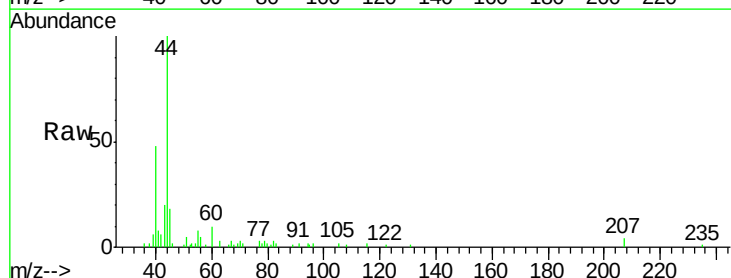
Acq: 14 Mar 2019 18:04

Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

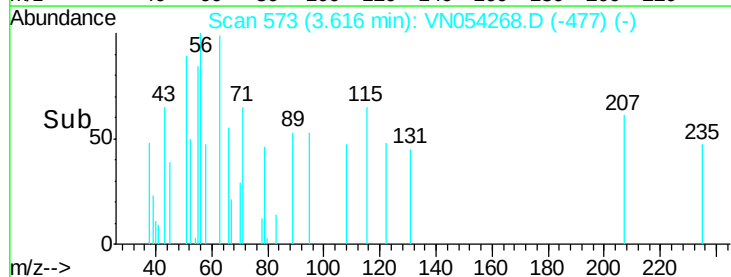
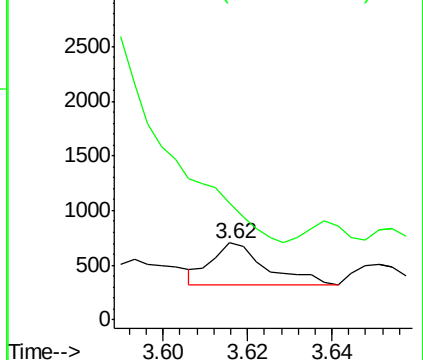
56 100

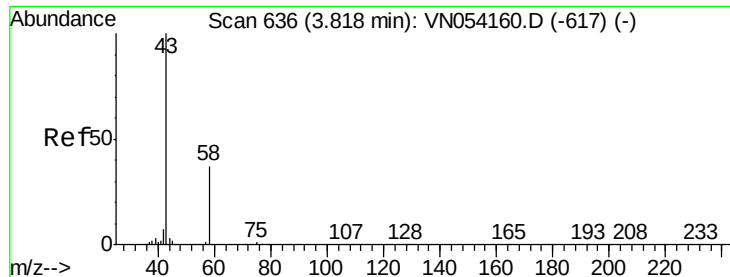
55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 0.589 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

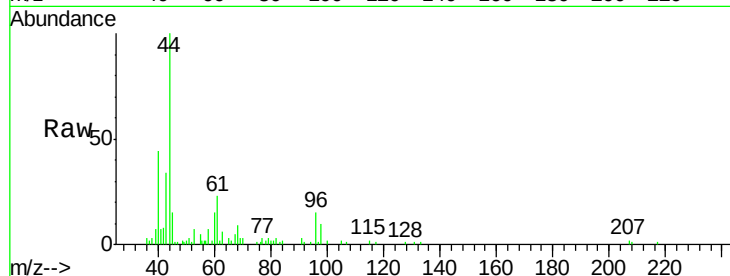
MW-1

Tot Ion: 43 Resp: 2643

Ion Ratio Lower Upper

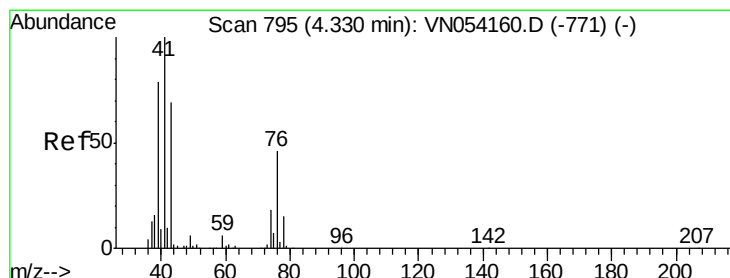
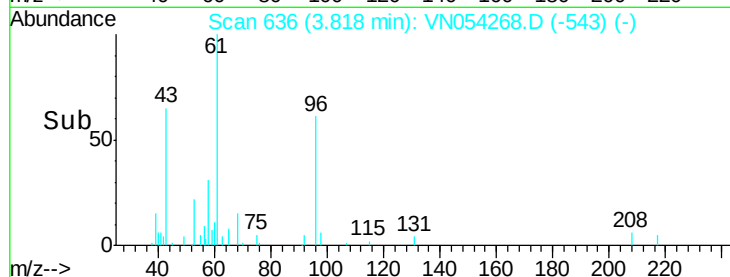
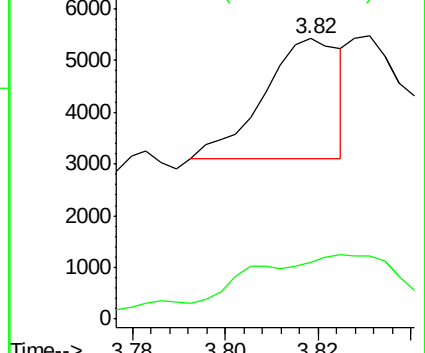
43 100

58 33.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.396 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054268.D

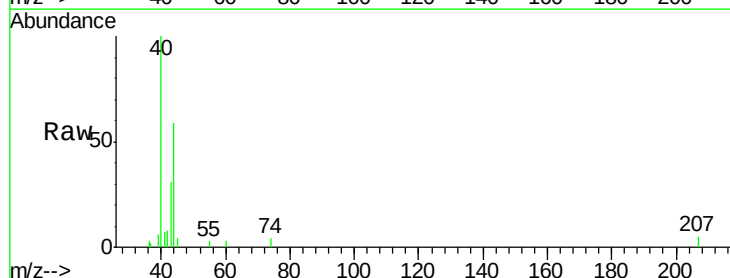
Acq: 14 Mar 2019 18:04

Tgt Ion: 43 Resp: 3596

Ion Ratio Lower Upper

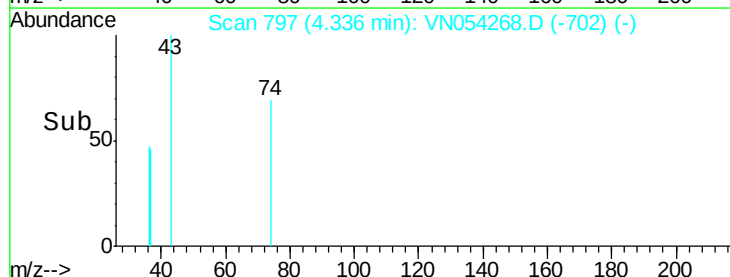
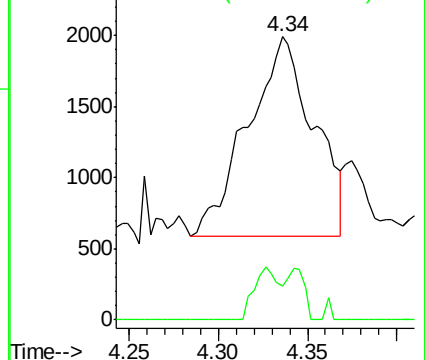
43 100

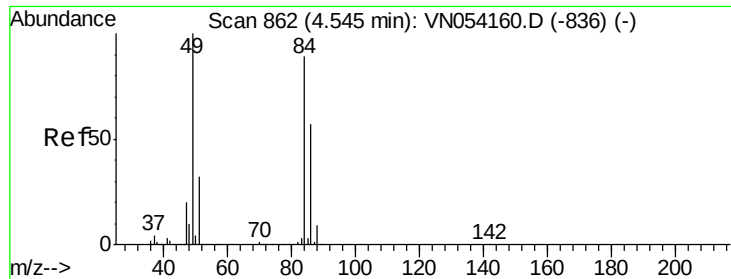
74 6.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

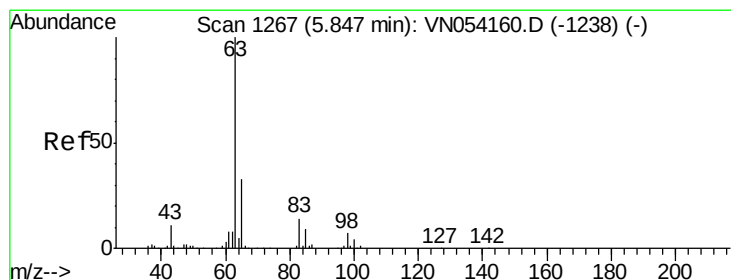
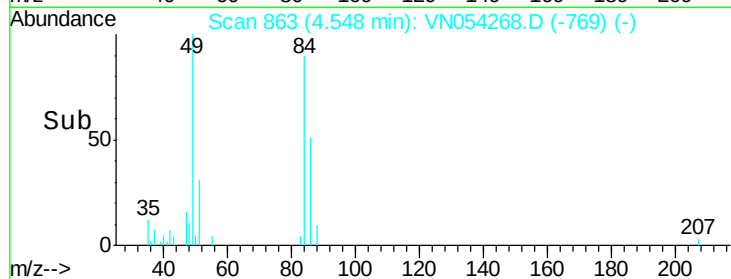
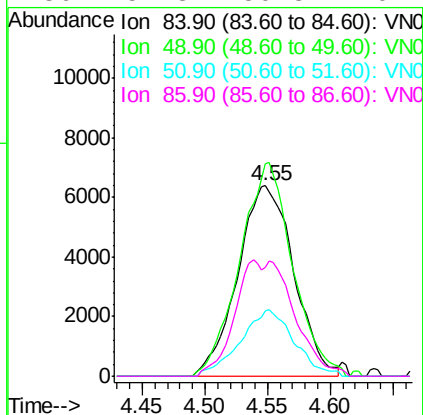
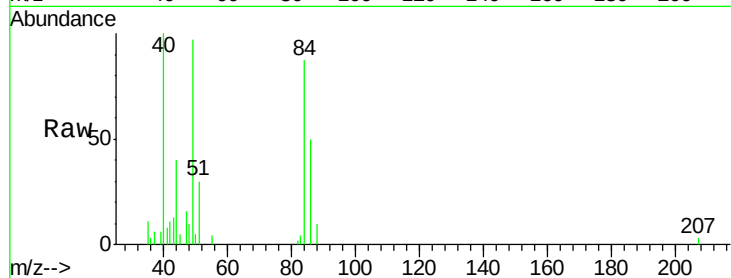




#20
Methylene Chloride
Concen: 1.347 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

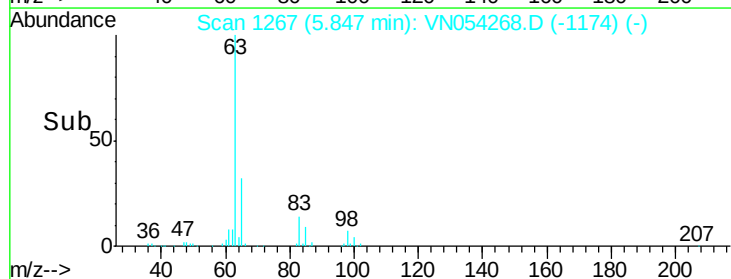
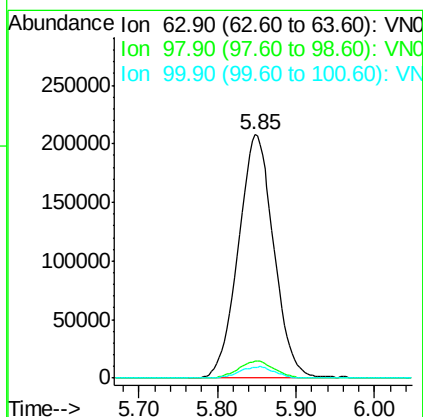
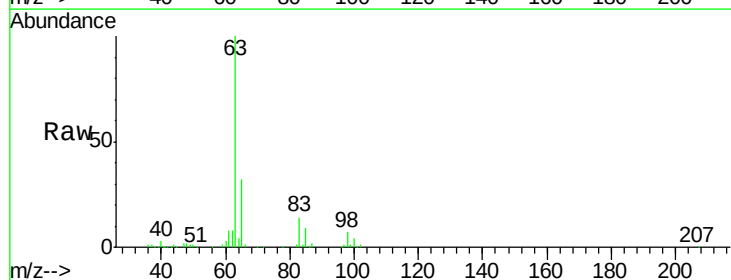
Instrument :
MSVOA_N
ClientSampled :
MW-1

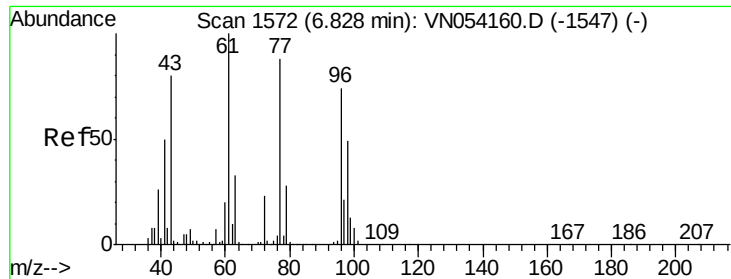
Tot Ion:	84	Resp:	19842
Ion	Ratio	Lower	Upper
84	100		
49	111.4	89.7	134.5
51	34.6	28.2	42.4
86	57.3	50.8	76.2



#24
1,1-Dichloroethane
Concen: 26.062 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

Tgt Ion:	63	Resp:	656964
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.4	2.0	6.0





#27

cis-1,2-Dichloroethene

Concen: 19.922 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-1

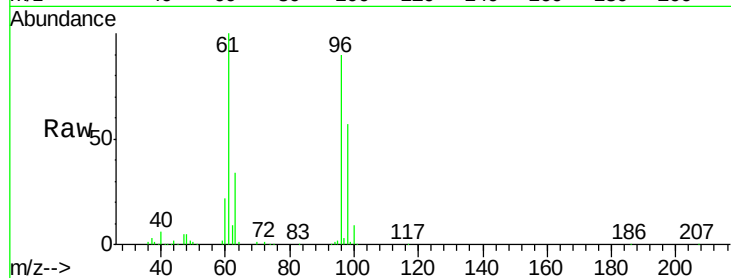
Tot Ion: 96 Resp: 326488

Ion Ratio Lower Upper

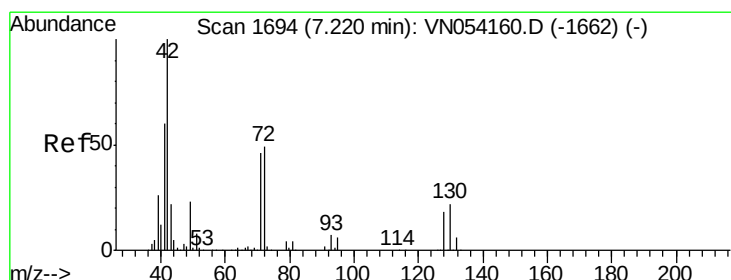
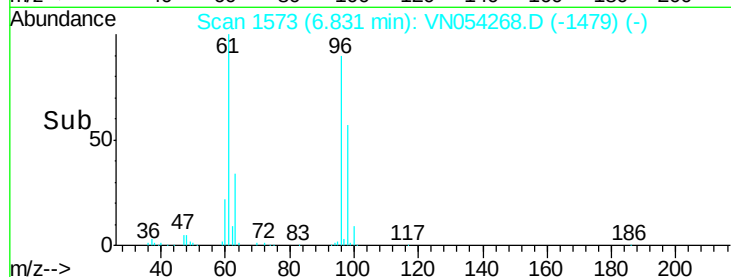
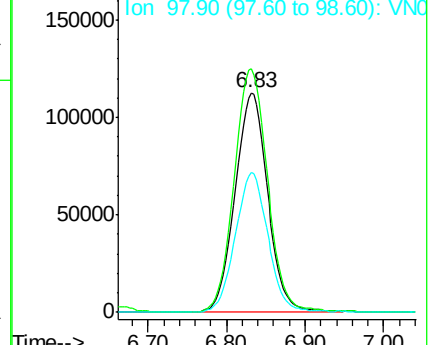
96 100

61 113.3 0.0 273.0

98 63.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#29

Tetrahydrofuran

Concen: 0.479 ug/l

RT: 7.24 min Scan# 1700

Delta R.T. 0.02 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

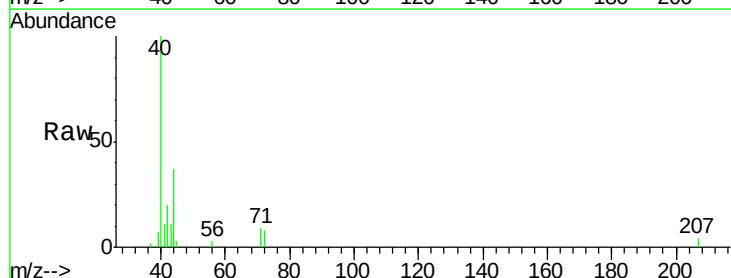
Tgt Ion: 42 Resp: 1621

Ion Ratio Lower Upper

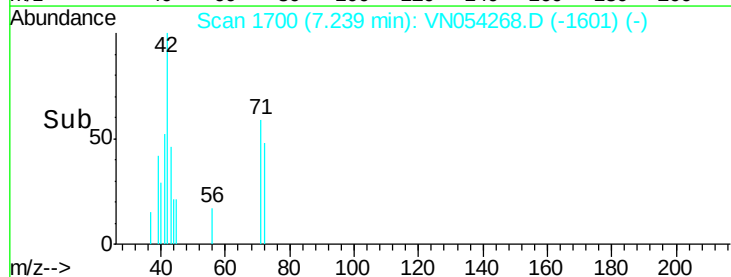
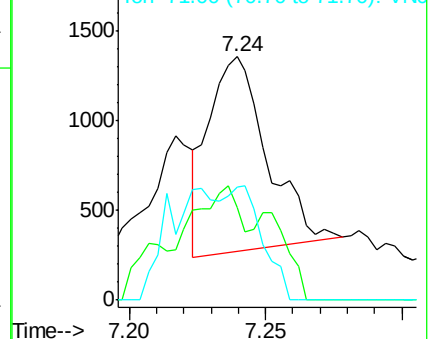
42 100

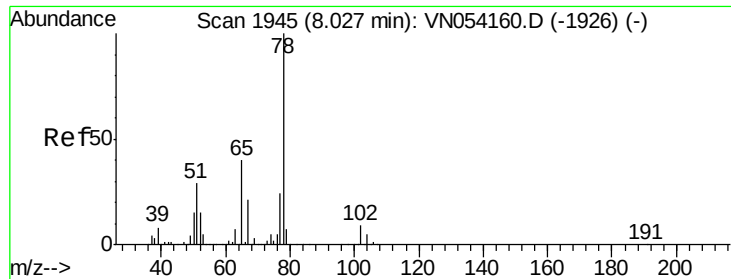
72 28.7 37.8 56.6#

71 50.0 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

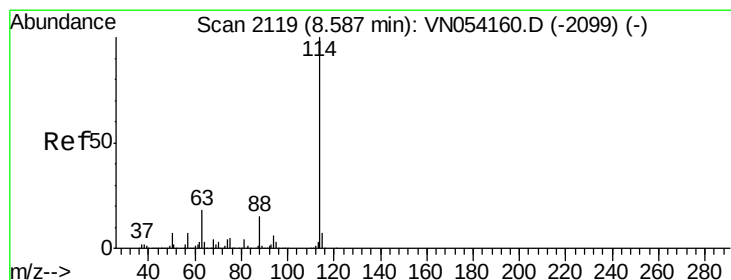
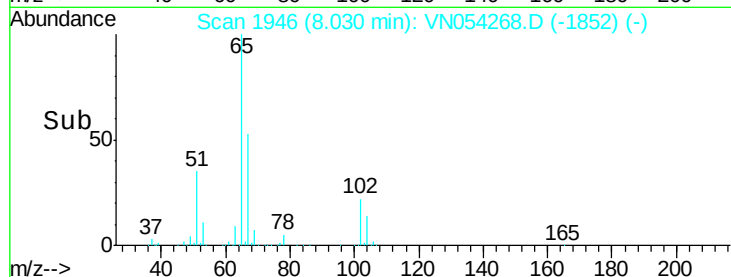
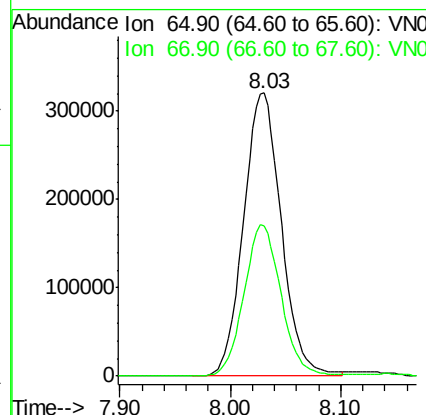
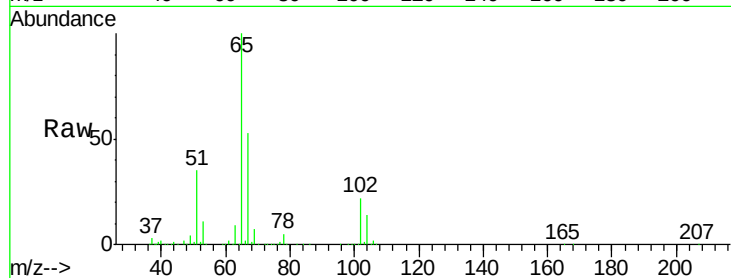




#33
 1,2-Dichloroethane-d4
 Concen: 48.484 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

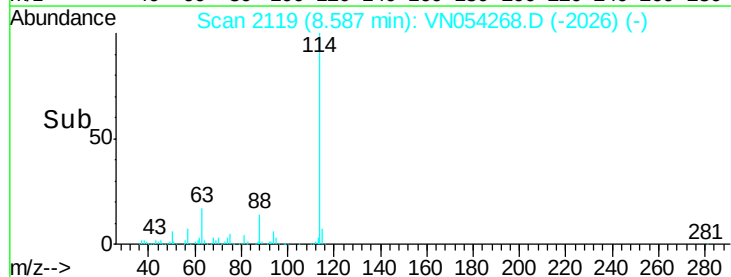
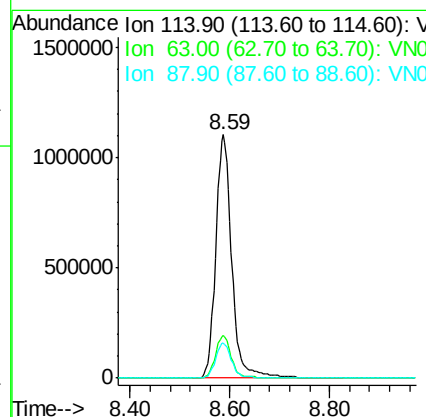
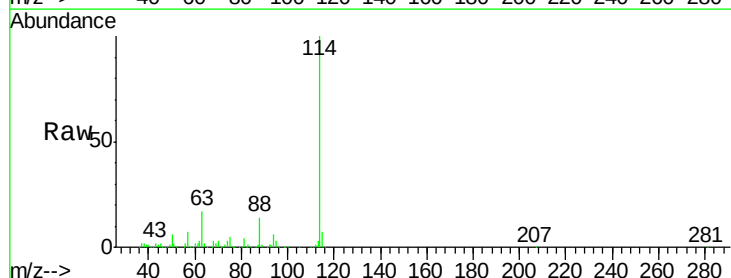
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

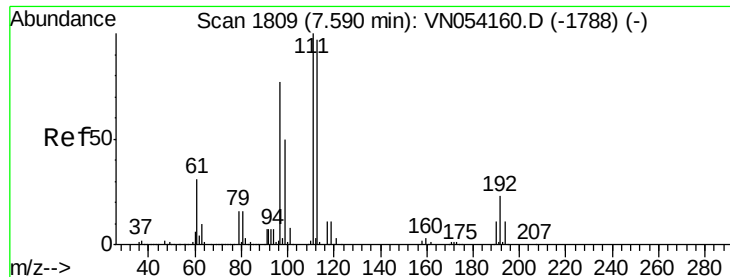
Tot Ion: 65 Resp: 759867
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

Tgt Ion: 114 Resp: 2456785
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.4 0.0 30.2

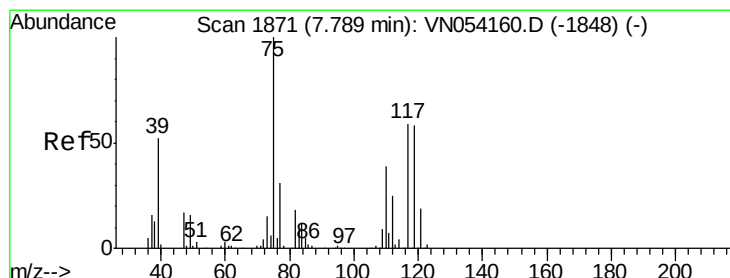
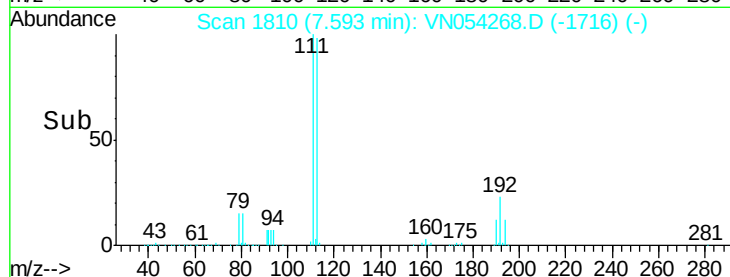
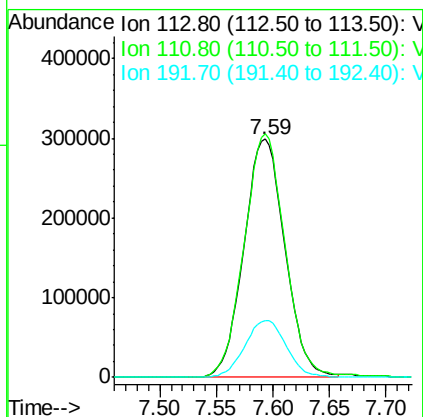
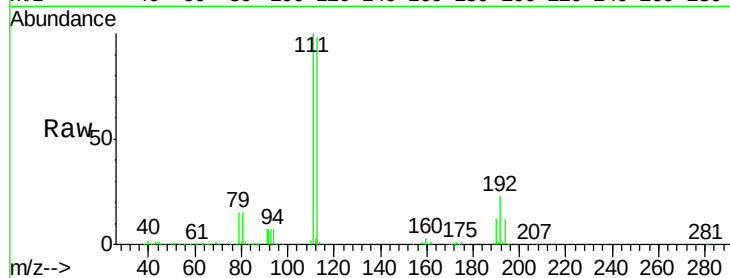




#35
 Dibromofluoromethane
 Concen: 47.624 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

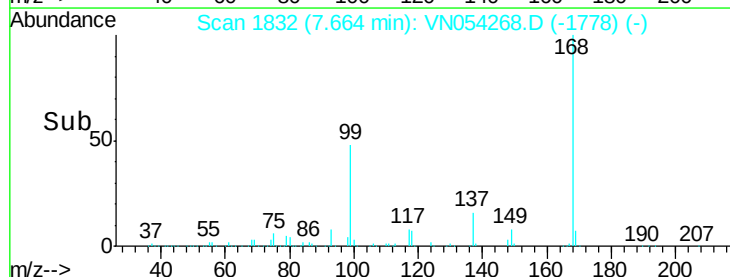
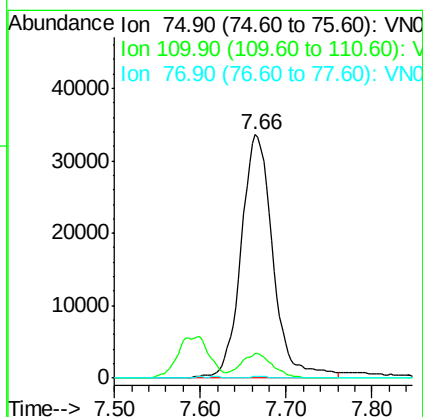
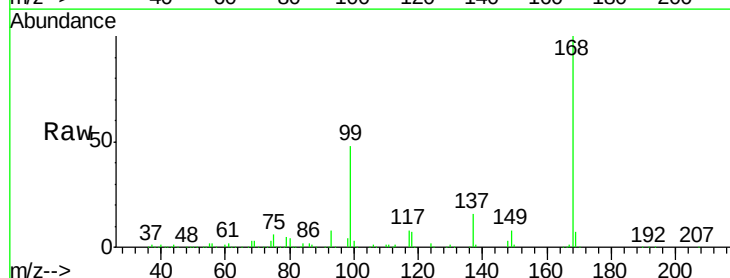
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

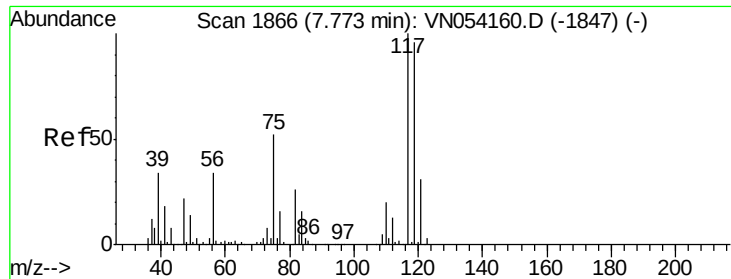
Tot Ion:113 Resp: 754611
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 24.3 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 3.836 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

Tgt Ion: 75 Resp: 86779
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.113 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-1

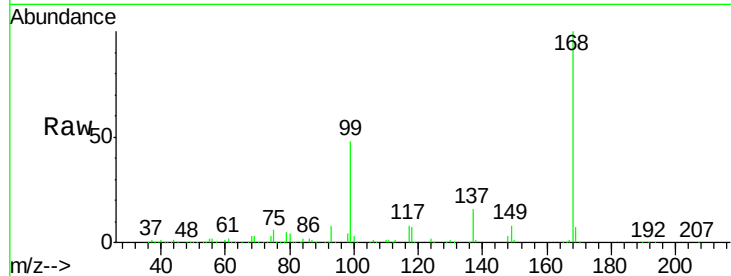
Tot Ion:117 Resp: 121321

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

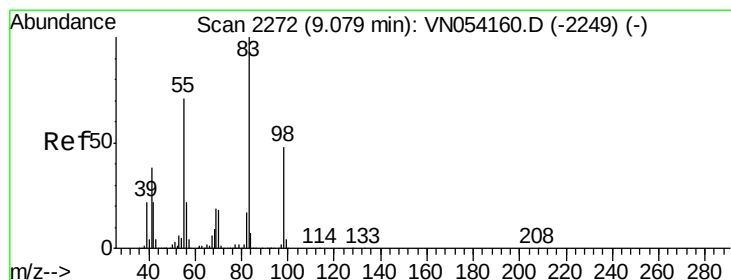
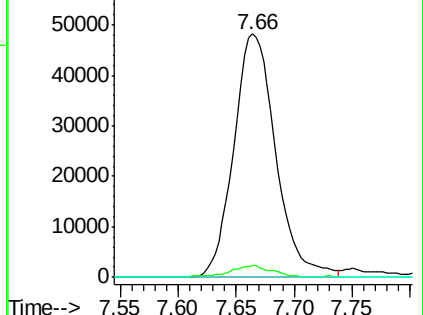
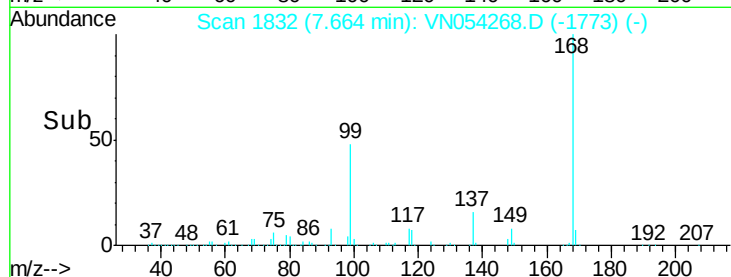
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 0.398 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

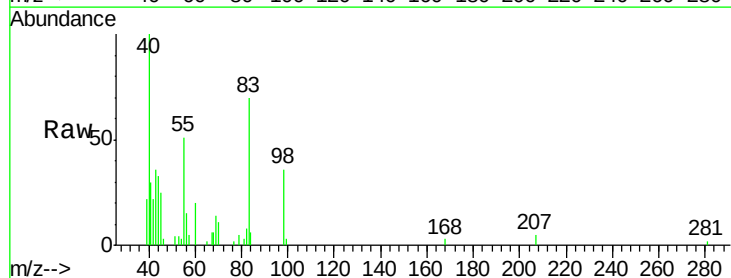
Tgt Ion: 83 Resp: 11079

Ion Ratio Lower Upper

83 100

55 68.2 56.6 84.8

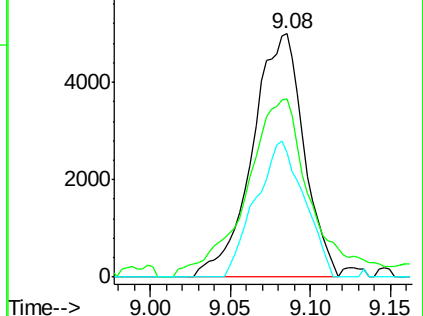
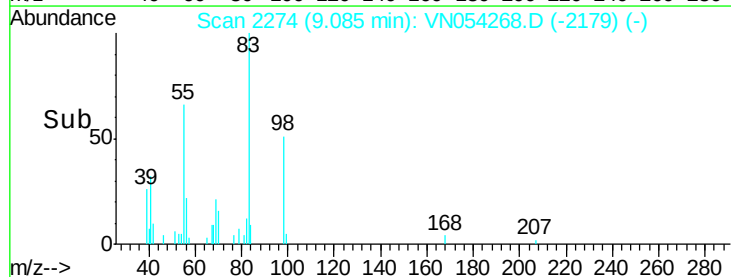
98 51.1 38.4 57.6

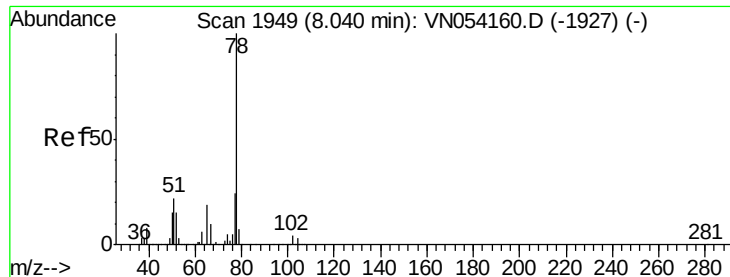


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.755 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

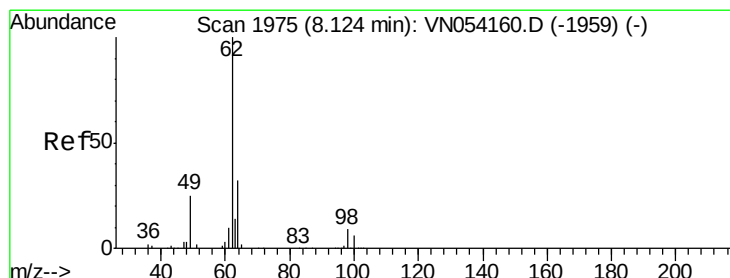
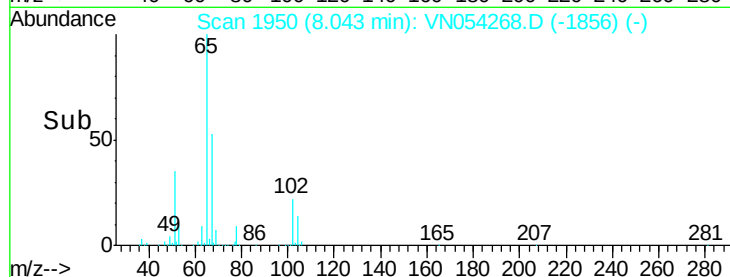
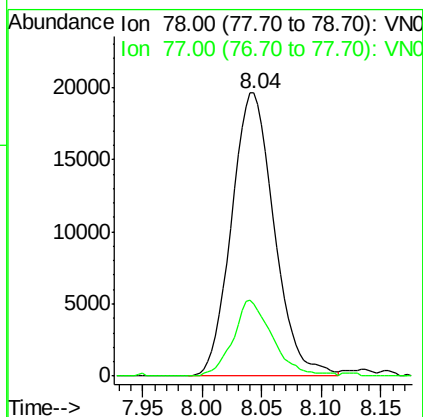
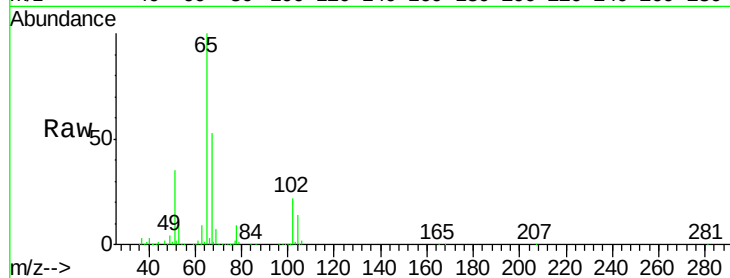
MW-1

Tot Ion: 78 Resp: 48880

Ion Ratio Lower Upper

78 100

77 25.5 19.1 28.7



#42

1,2-Dichloroethane

Concen: 6.680 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054268.D

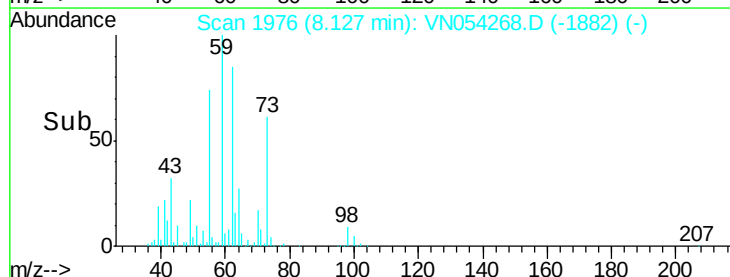
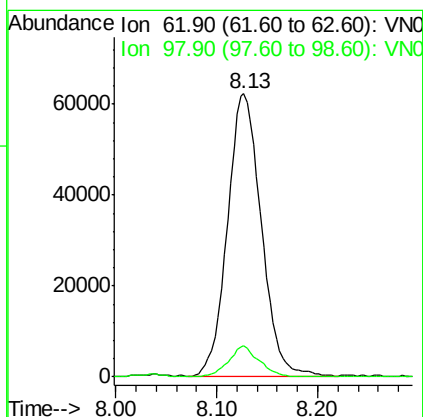
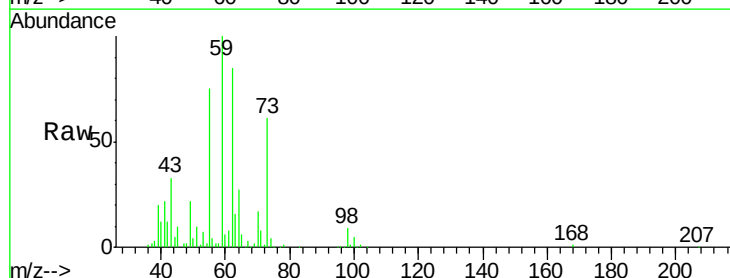
Acq: 14 Mar 2019 18:04

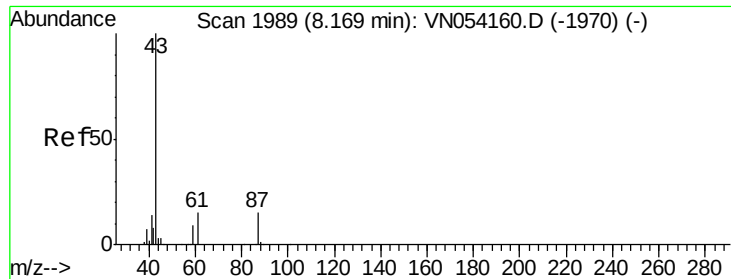
Tgt Ion: 62 Resp: 146021

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.4





#43

Isopropyl Acetate

Concen: 5.312 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-1

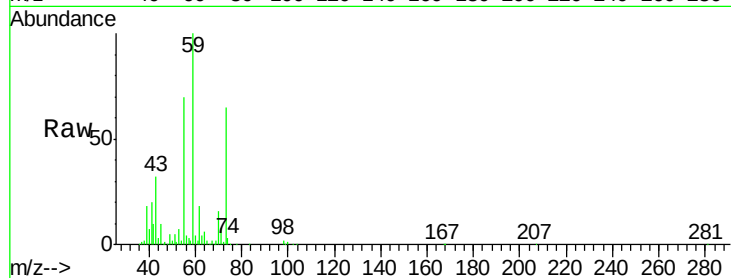
Tot Ion: 43 Resp: 121219

Ion Ratio Lower Upper

43 100

61 14.4 15.8 23.8#

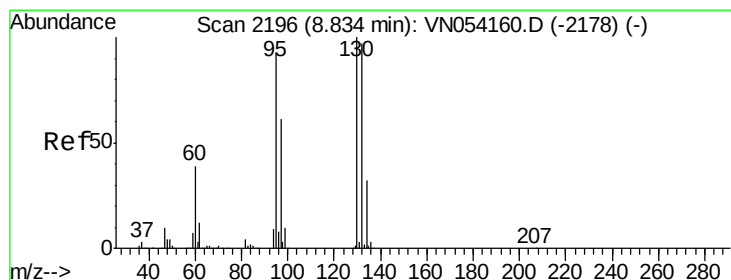
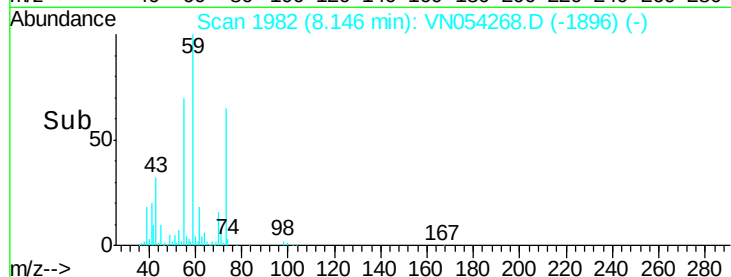
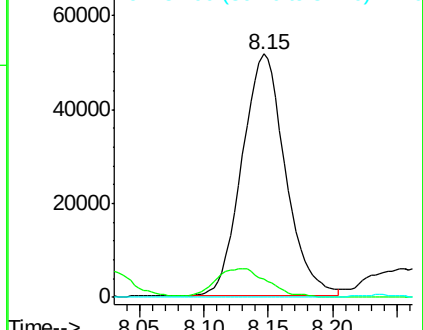
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 0.854 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054268.D

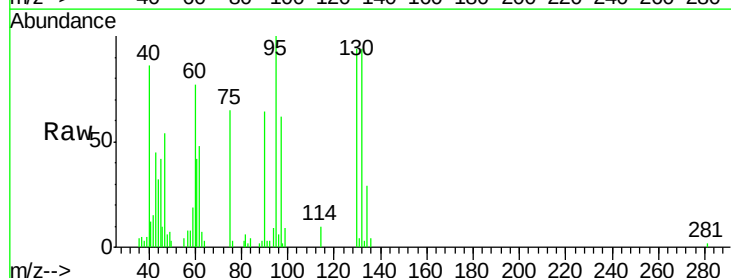
Acq: 14 Mar 2019 18:04

Tgt Ion:130 Resp: 17184

Ion Ratio Lower Upper

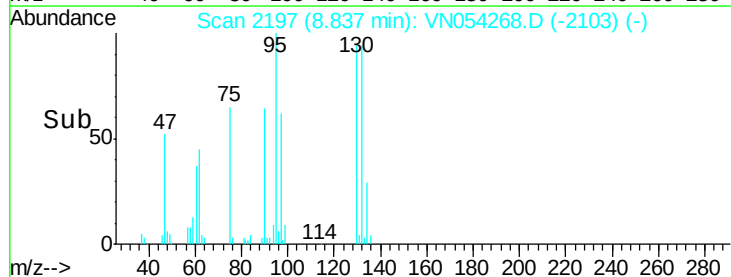
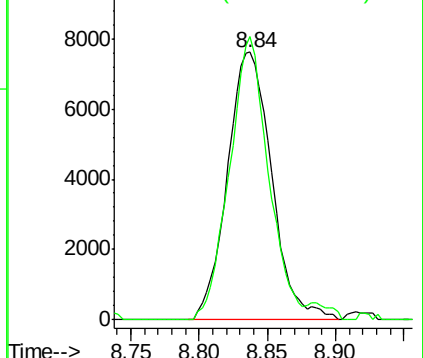
130 100

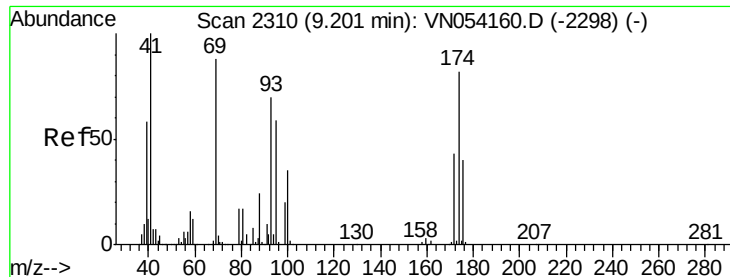
95 105.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

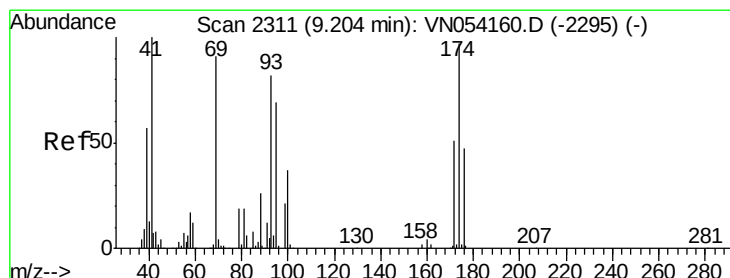
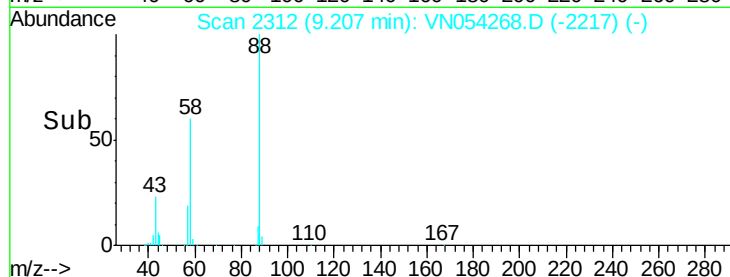
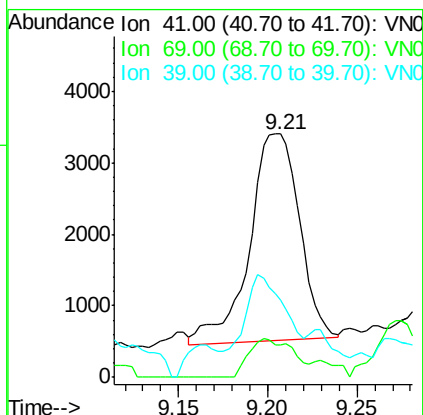
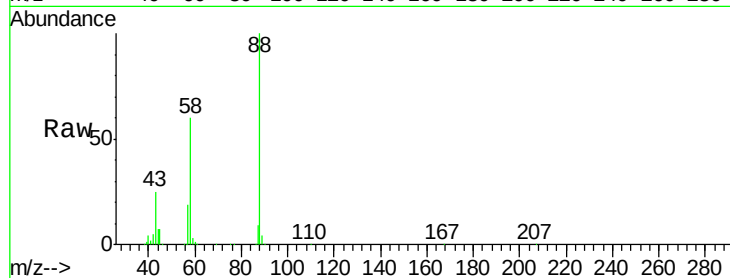




#48
Methvl methacrylate
Concen: 0.490 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

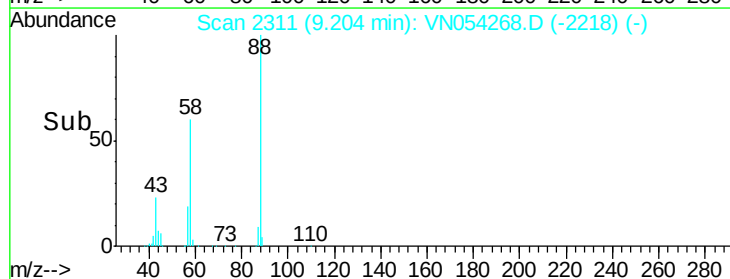
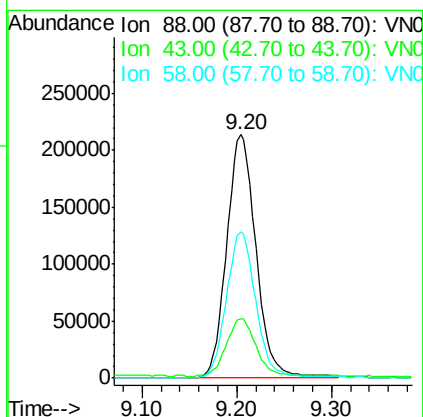
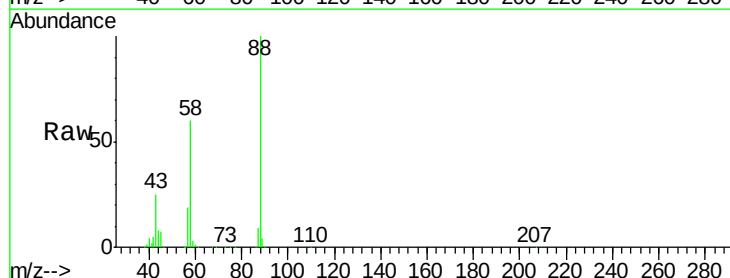
Instrument :
MSVOA_N
ClientSampled :
MW-1

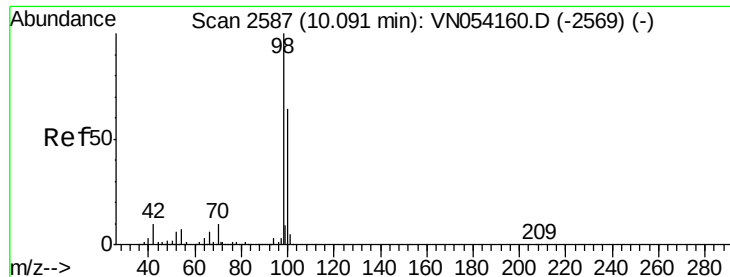
Tot Ion: 41 Resp: 5674
Ion Ratio Lower Upper
41 100
69 16.6 72.6 108.8#
39 30.5 47.5 71.3#



#49
1,4-Dioxane
Concen: 2821.036 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

Tgt Ion: 88 Resp: 462081
Ion Ratio Lower Upper
88 100
43 23.6 24.1 36.1#
58 59.7 50.8 76.2





#50

Toluene-d8

Concen: 51.557 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

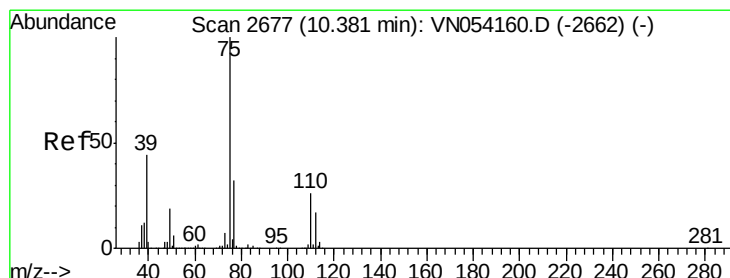
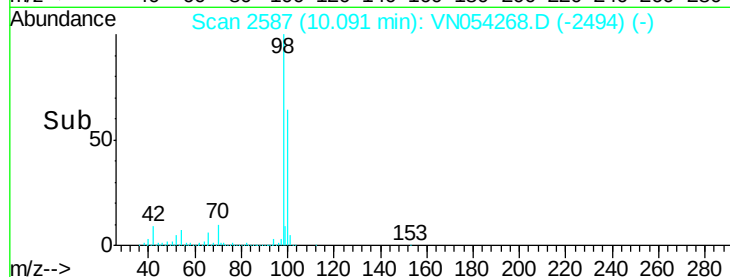
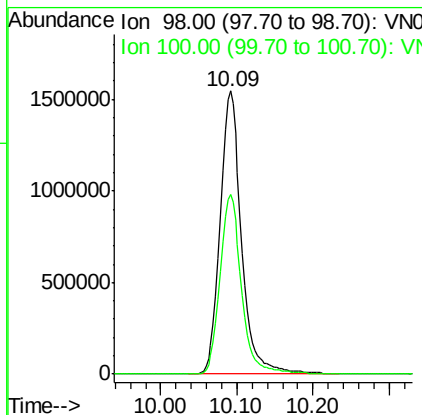
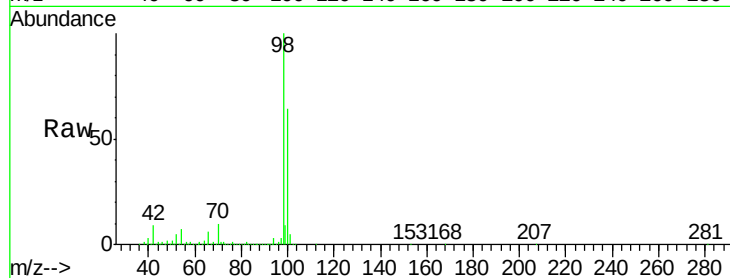
MW-1

Tot Ion: 98 Resp: 3017059

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 1.995 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054268.D

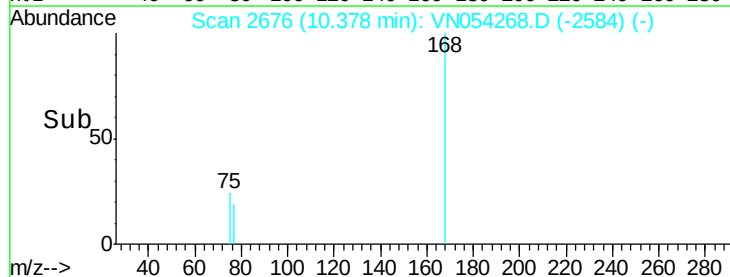
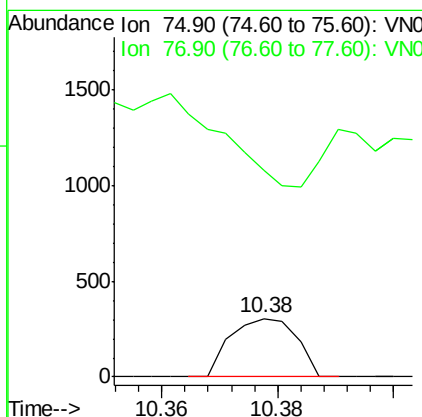
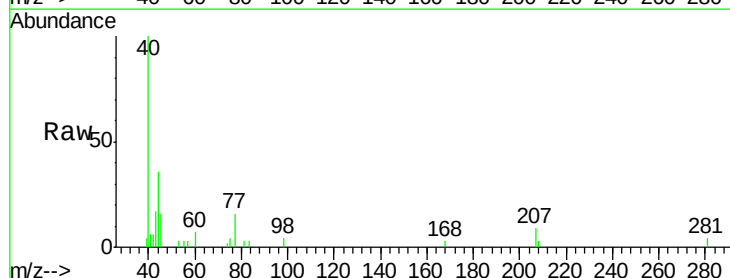
Acq: 14 Mar 2019 18:04

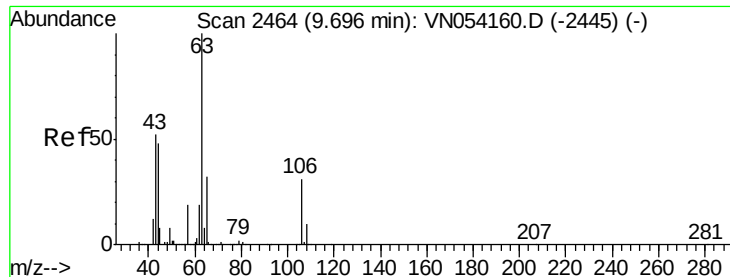
Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#58

2-Chloroethyl Vinyl ether

Concen: 16.869 ug/l

RT: 9.88 min Scan# 2521

Delta R.T. 0.18 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

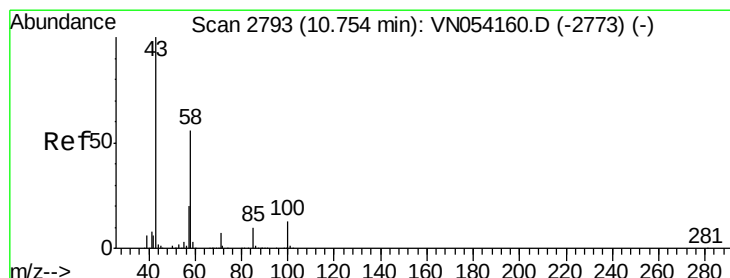
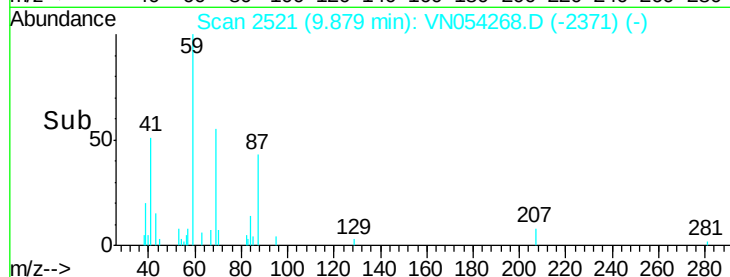
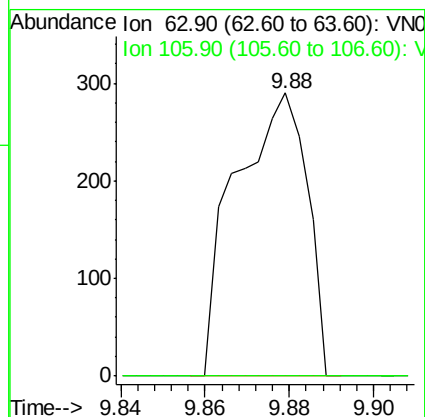
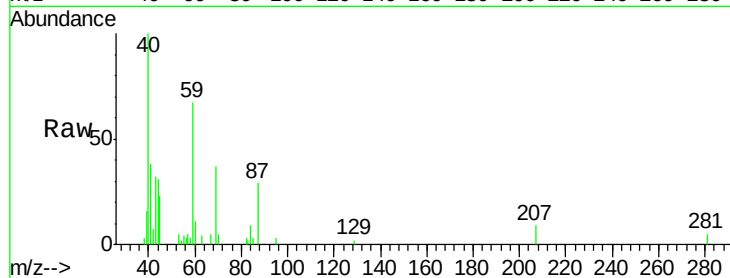
MW-1

Tot Ion: 63 Resp: 342

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



#59

2-Hexanone

Concen: 1.492 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. -0.14 min

Lab File: VN054268.D

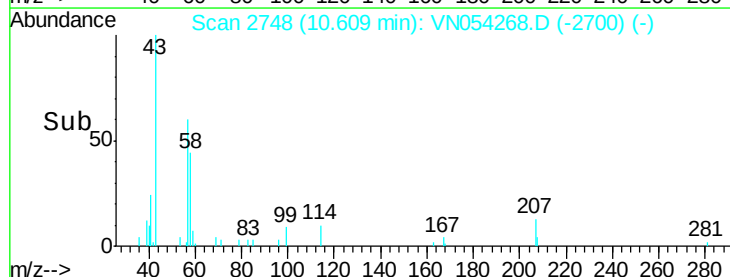
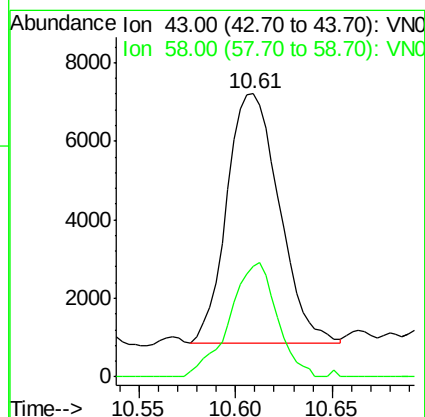
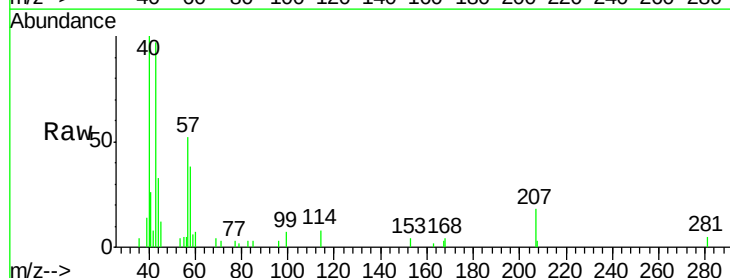
Acq: 14 Mar 2019 18:04

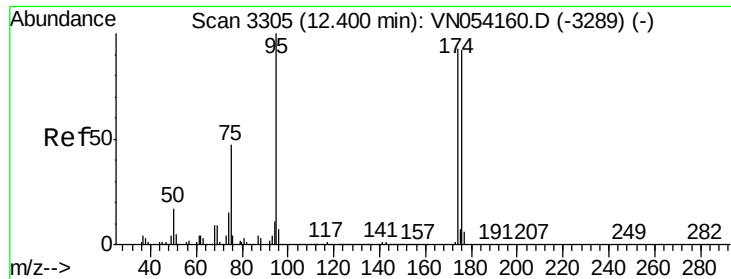
Tgt Ion: 43 Resp: 11987

Ion Ratio Lower Upper

43 100

58 41.3 28.0 83.9





#62

4-Bromofluorobenzene

Concen: 55.635 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-1

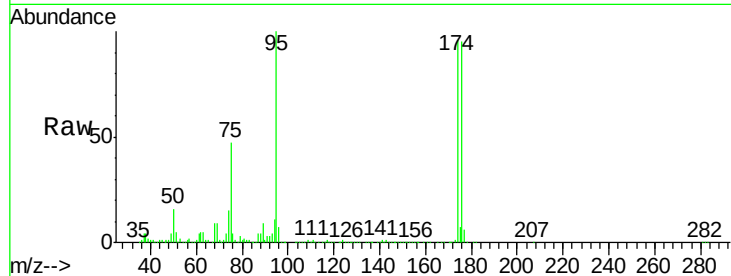
Tot Ion: 95 Resp: 1139172

Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

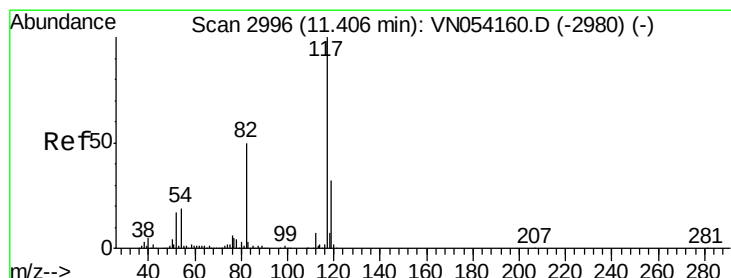
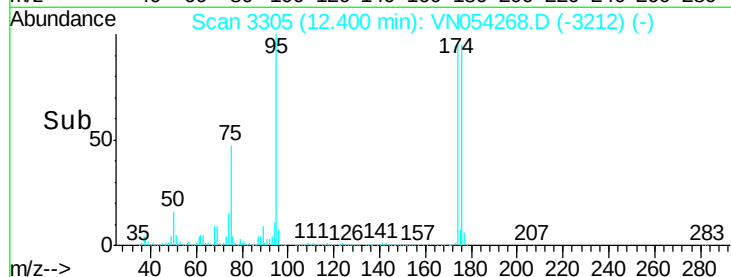
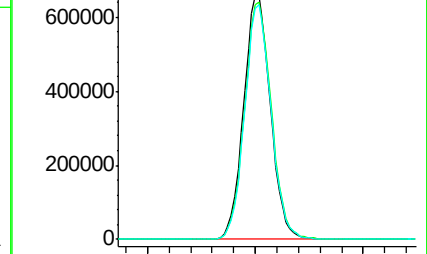
176 95.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

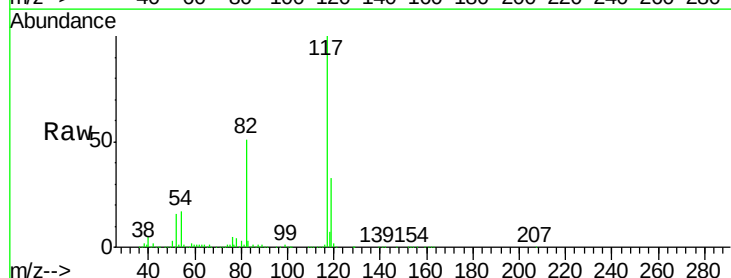
Tgt Ion: 117 Resp: 2524697

Ion Ratio Lower Upper

117 100

82 50.6 40.0 60.0

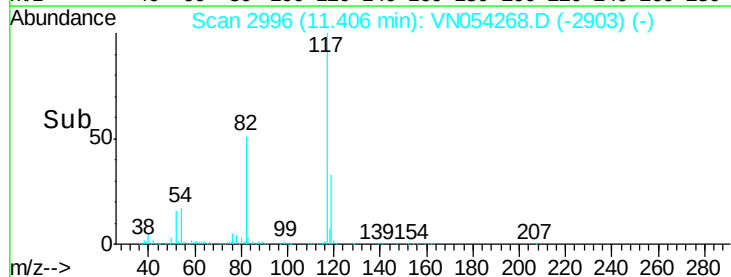
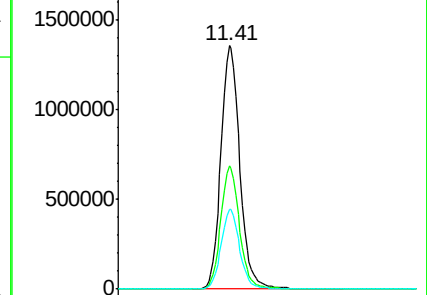
119 32.6 25.8 38.6

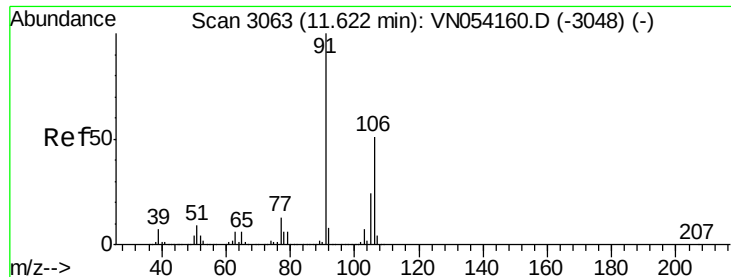


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

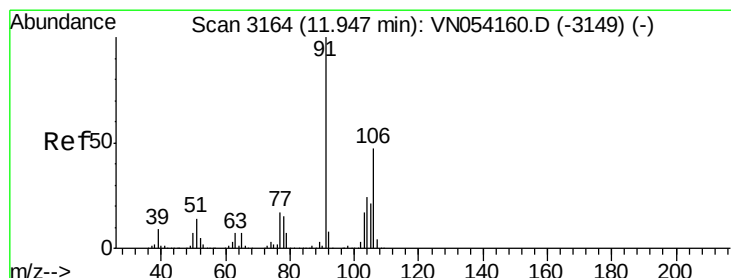
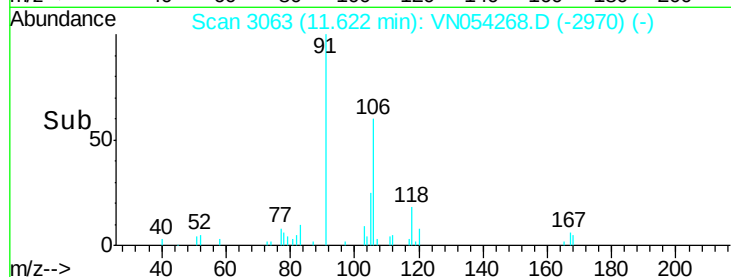
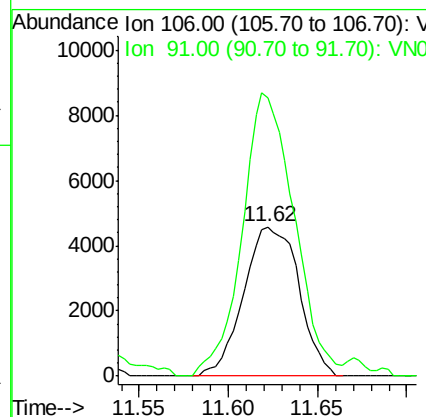
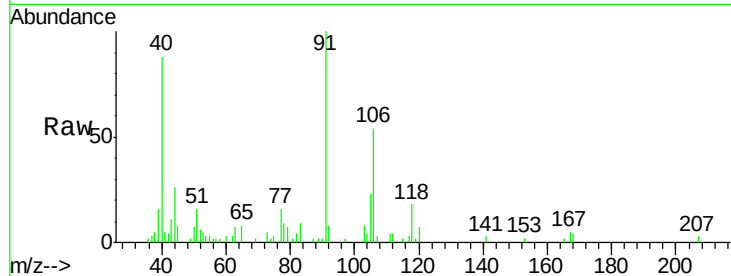




#68
m/p-Xylenes
Concen: 0.276 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

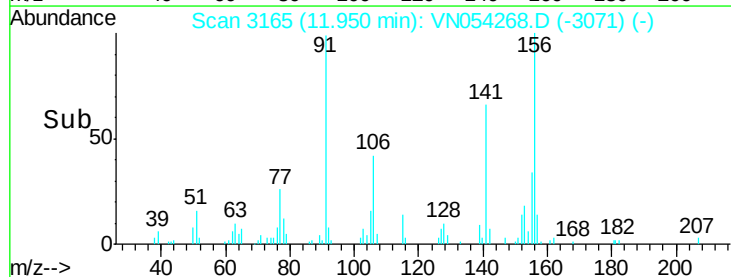
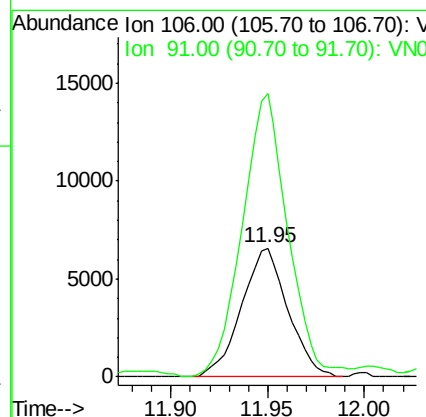
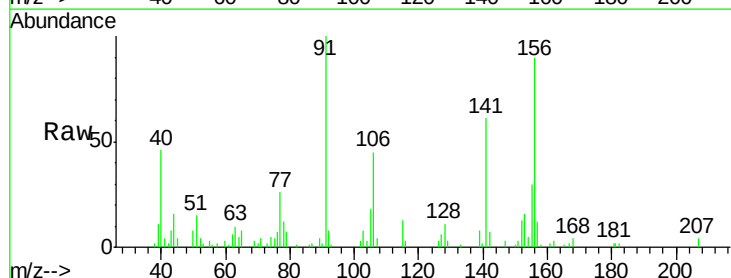
Instrument :
MSVOA_N
ClientSampled :
MW-1

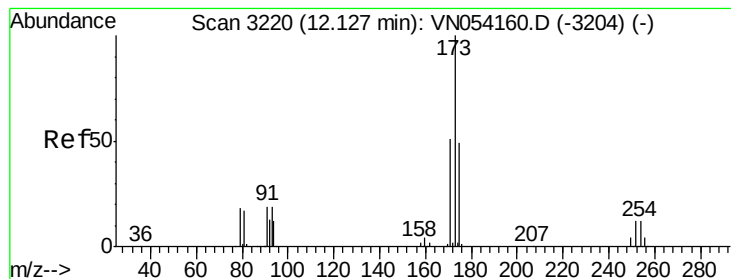
Tot Ion:106 Resp: 9920
Ion Ratio Lower Upper
106 100
91 177.9 159.4 239.2



#69
o-Xylene
Concen: 0.313 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054268.D
Acq: 14 Mar 2019 18:04

Tgt Ion:106 Resp: 10959
Ion Ratio Lower Upper
106 100
91 216.5 105.7 317.1





#71

Bromoform

Concen: 2.786 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-1

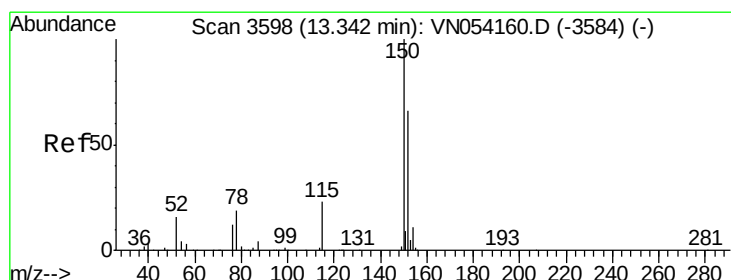
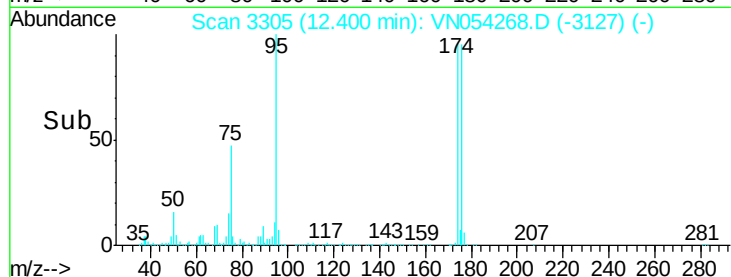
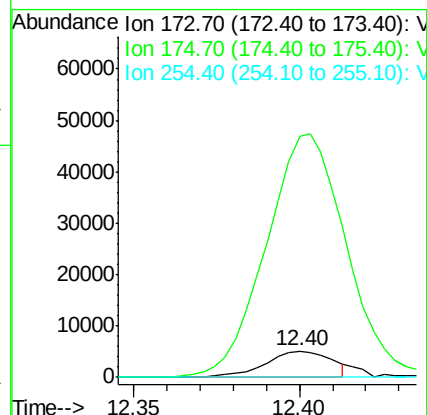
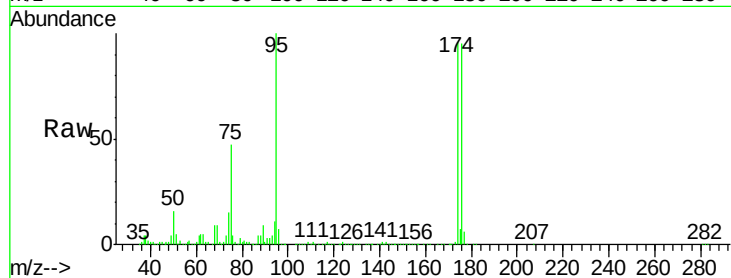
Tot Ion:173 Resp: 7015

Ion Ratio Lower Upper

173 100

175 978.3 24.4 73.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

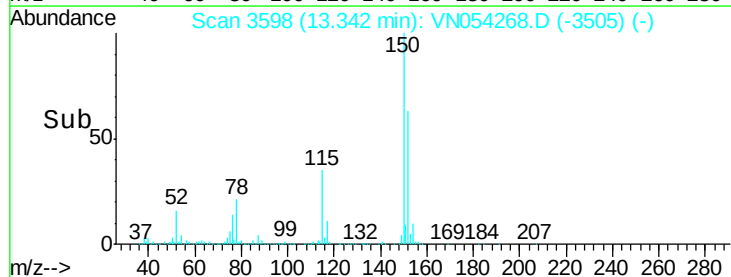
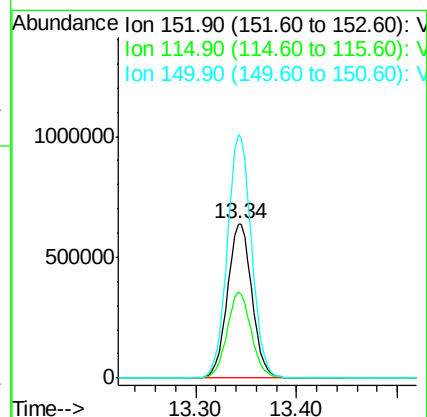
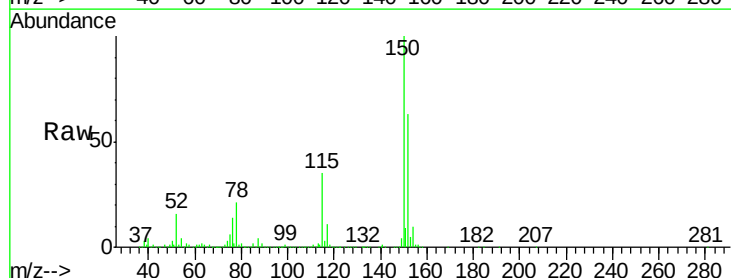
Tgt Ion:152 Resp: 1083648

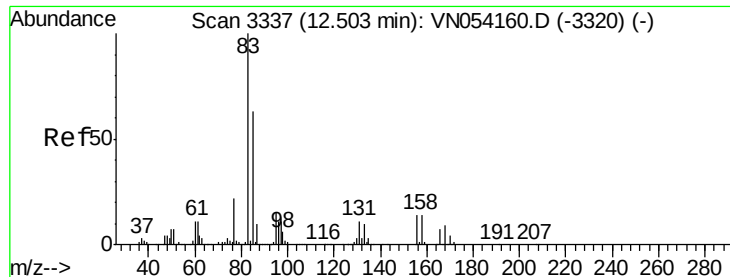
Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

150 155.5 0.0 349.2





#75

1,1,2,2-Tetrachloroethane

Concen: 0.716 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. -0.12 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-1

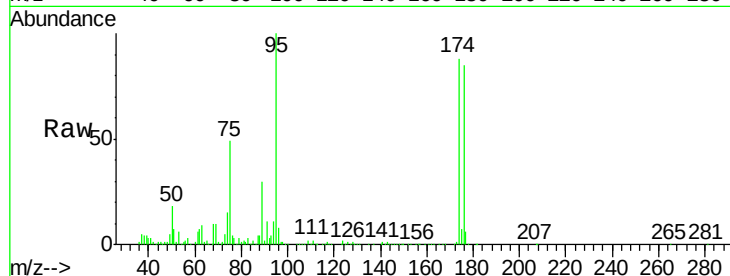
Tot Ion: 83 Resp: 13229

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

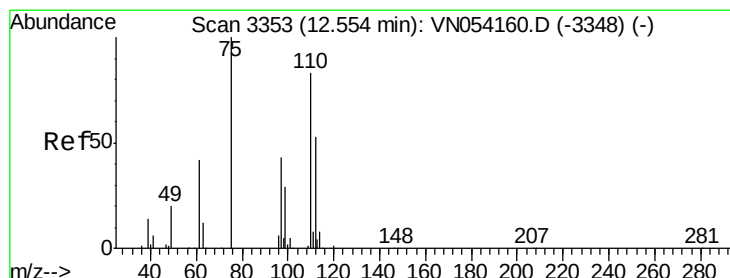
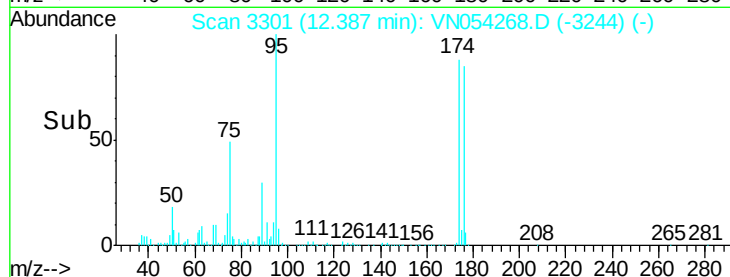
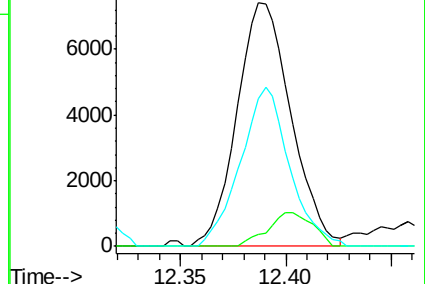
85 59.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 33.707 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054268.D

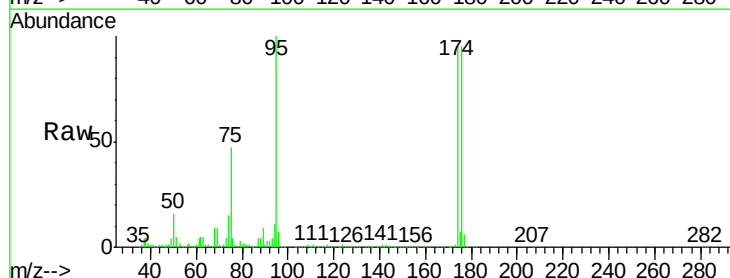
Acq: 14 Mar 2019 18:04

Tgt Ion: 75 Resp: 537135

Ion Ratio Lower Upper

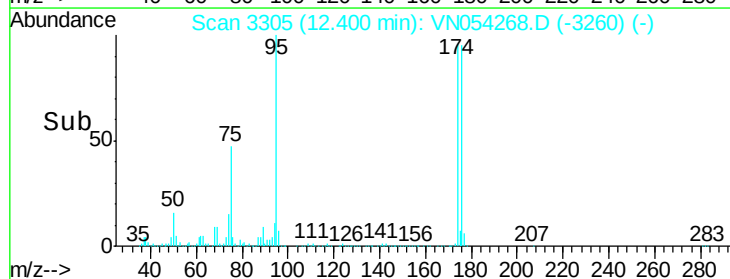
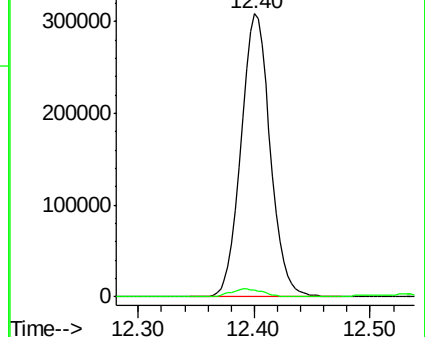
75 100

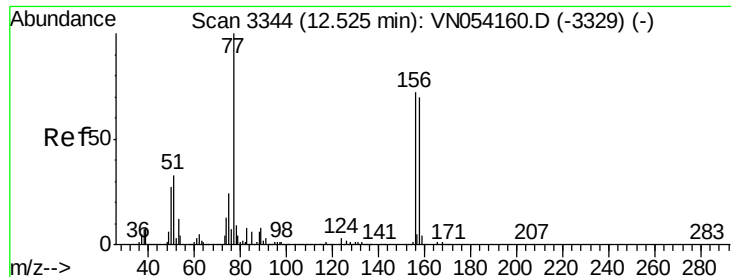
77 3.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 9.147 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

MW-1

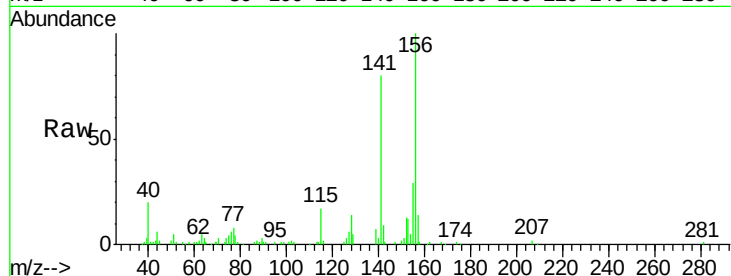
Tot Ion:156 Resp: 209849

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

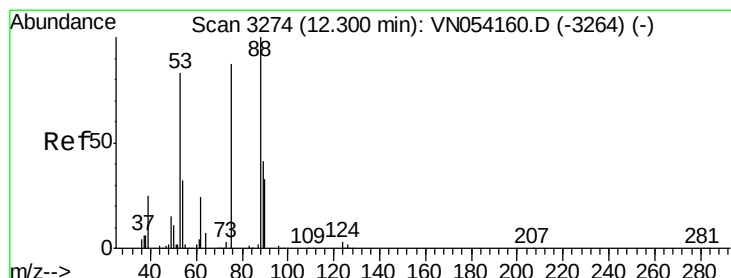
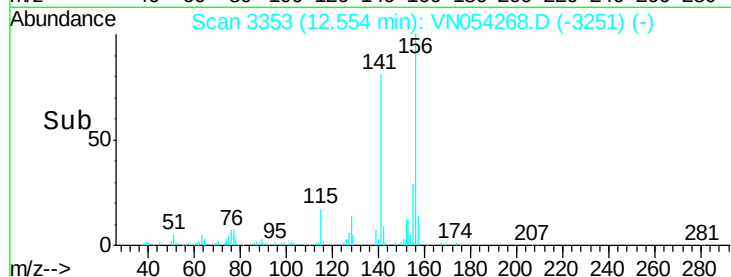
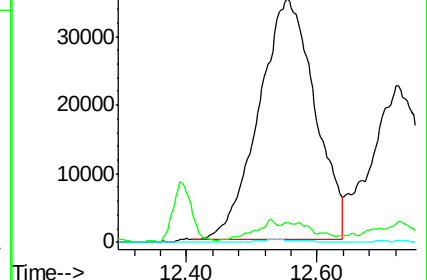
158 0.3 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 115.225 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054268.D

Acq: 14 Mar 2019 18:04

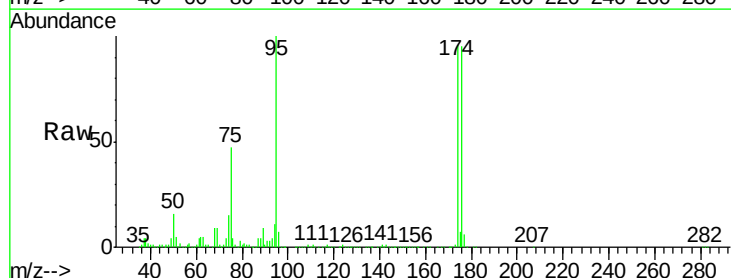
Tgt Ion: 75 Resp: 537135

Ion Ratio Lower Upper

75 100

53 5.4 76.2 114.2#

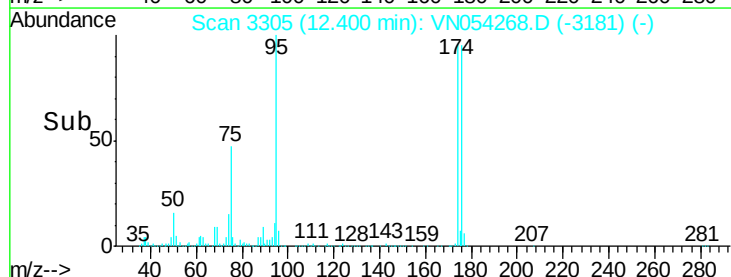
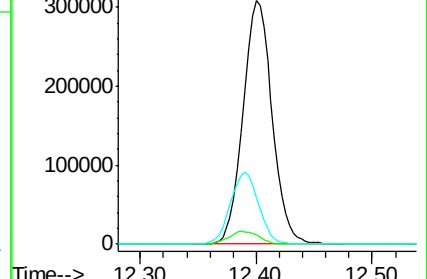
89 28.4 39.2 58.8#

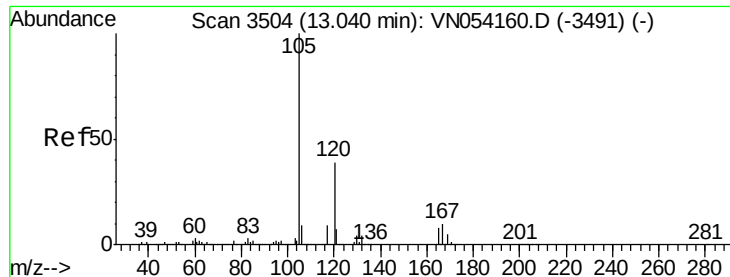


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

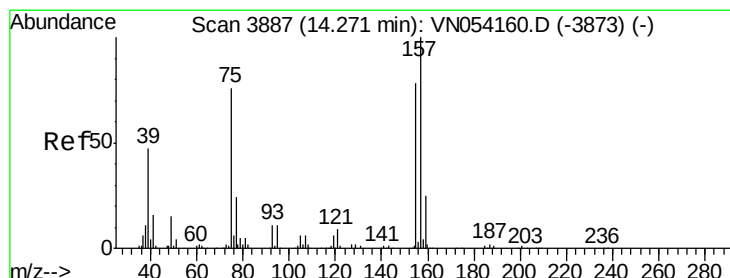
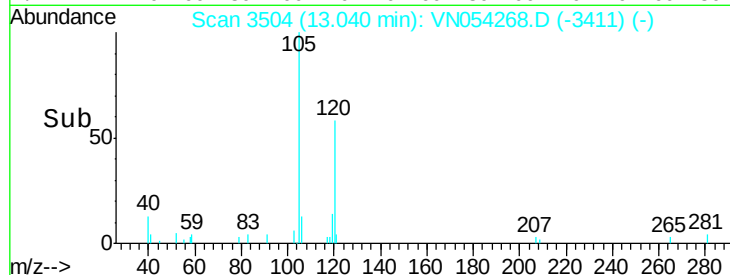
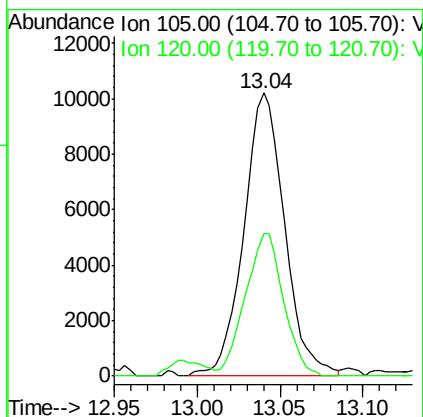
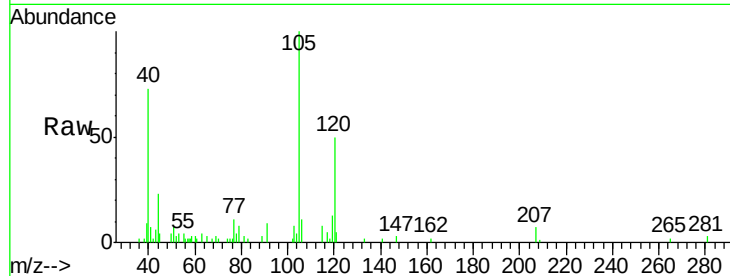




#84
 1,2,4-Trimethylbenzene
 Concen: 0.247 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

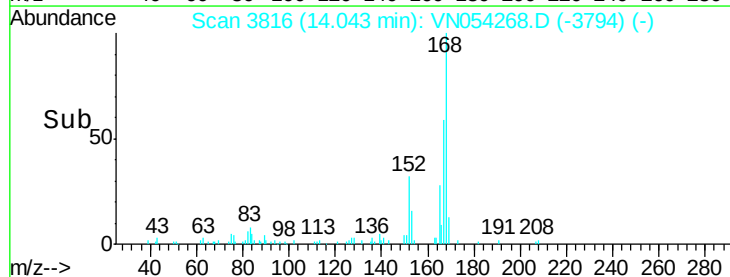
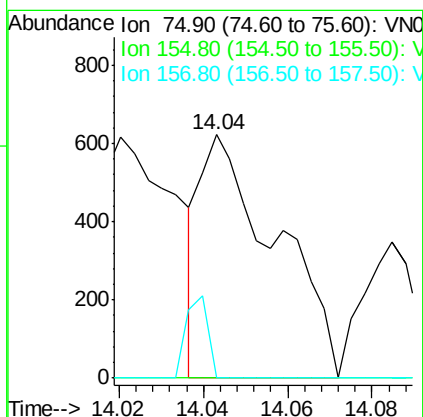
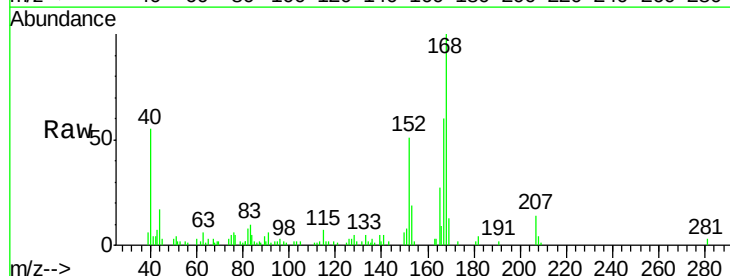
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

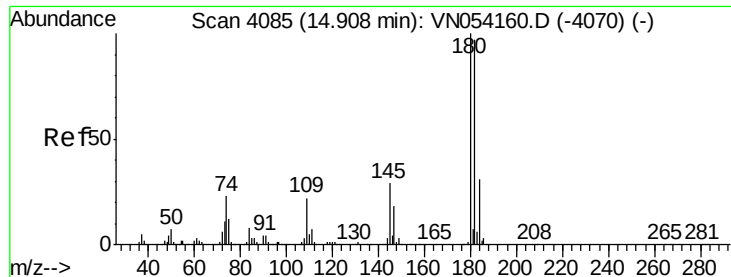
Tot Ion:105 Resp: 17479
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.269 ug/l
 RT: 14.04 min Scan# 3816
 Delta R.T. -0.23 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

Tgt Ion: 75 Resp: 770
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 9.6 63.1 189.3#

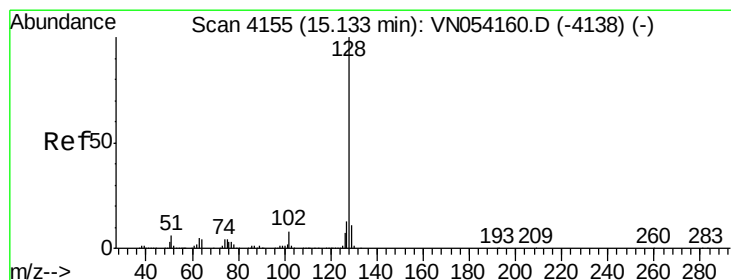
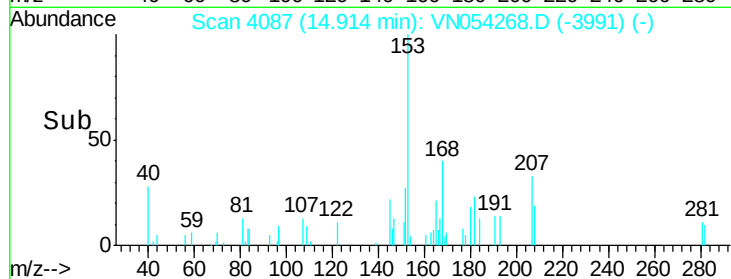
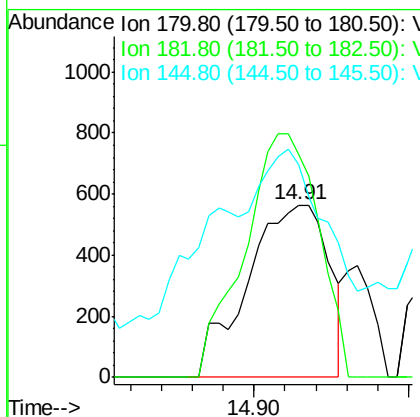
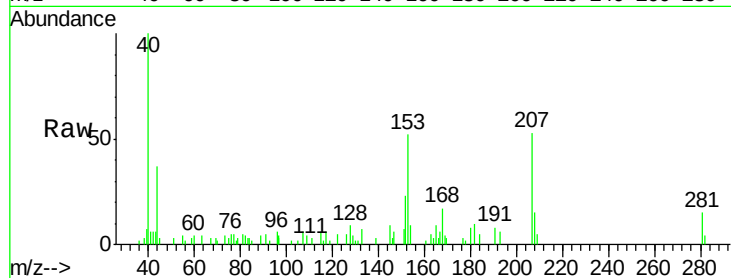




#93
 1,2,4-Trichlorobenzene
 Concen: 2.559 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion:180 Resp: 1030
 Ion Ratio Lower Upper
 180 100
 182 128.8 48.0 144.2
 145 120.6 14.2 42.8#



#95
 Naphthalene
 Concen: 11.957 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054268.D
 Acq: 14 Mar 2019 18:04

Tgt Ion:128 Resp: 433448
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.1 15.1
 129 11.0 8.7 13.1

