

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054052.D
 Acq On : 2 Mar 2019 1:29
 Operator : JC/SP
 Sample : K1675-26
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-12-A

Quant Time: Mar 02 04:50:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1107130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1083437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	388051	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	392616	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	7.59	113	354009	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1410126	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	465045	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	113	0.245	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	2563	0.418	ug/l	92
14) Allyl chloride	4.50	41	1920877	178.404	ug/l #	26
16) Acetone	3.82	43	13358	Below Cal		96
18) Methyl Acetate	4.50	43	209831	41.165	ug/l #	1
21) trans-1,2-Dichloroethene	5.05	96	7242	1.090	ug/l	85
25) 2-Butanone	6.85	43	2276	0.795	ug/l #	47
28) Bromochloromethane	7.20	49	5980	1.026	ug/l #	76
29) Tetrahydrofuran	7.23	42	1437	0.754	ug/l #	41
30) Chloroform	7.38	83	2542	0.206	ug/l #	83
31) Cyclohexane	7.66	56	12211	0.643	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42428	4.121	ug/l #	47
38) Carbon Tetrachloride	7.66	117	53154	4.964	ug/l #	16
43) Isopropyl Acetate	8.33	43	639152	51.492	ug/l #	58
45) 1,2-Dichloropropane	9.27	63	2230	0.261	ug/l #	44
48) Methyl methacrylate	9.18	41	12111	2.121	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	10821	1.696	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	74130	6.190	ug/l #	68
56) Ethyl methacrylate	10.54	69	1750	2.139	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	14601	1.242	ug/l #	43
59) 2-Hexanone	10.76	43	224966	54.229	ug/l #	47
67) Ethyl Benzene	11.51	91	8438	0.220	ug/l	89
68) m/p-Xylenes	11.62	106	15298	1.057	ug/l	99
69) o-Xylene	11.95	106	8358	0.588	ug/l	95
71) Bromoform	12.40	173	3588	0.626	ug/l #	1
74) N-amyl acetate	11.88	43	21477	2.713	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	228852	36.763	ug/l #	100
78) n-propylbenzene	12.59	91	12979	0.378	ug/l	98
79) 2-Chlorotoluene	12.65	91	6503	0.315	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	25448	1.029	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	228852	116.195	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	84038	3.404	ug/l	99
90) Hexachloroethane	13.89	117	1536	0.314	ug/l #	2
95) Naphthalene	15.13	128	11341	3.903	ug/l	98

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QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

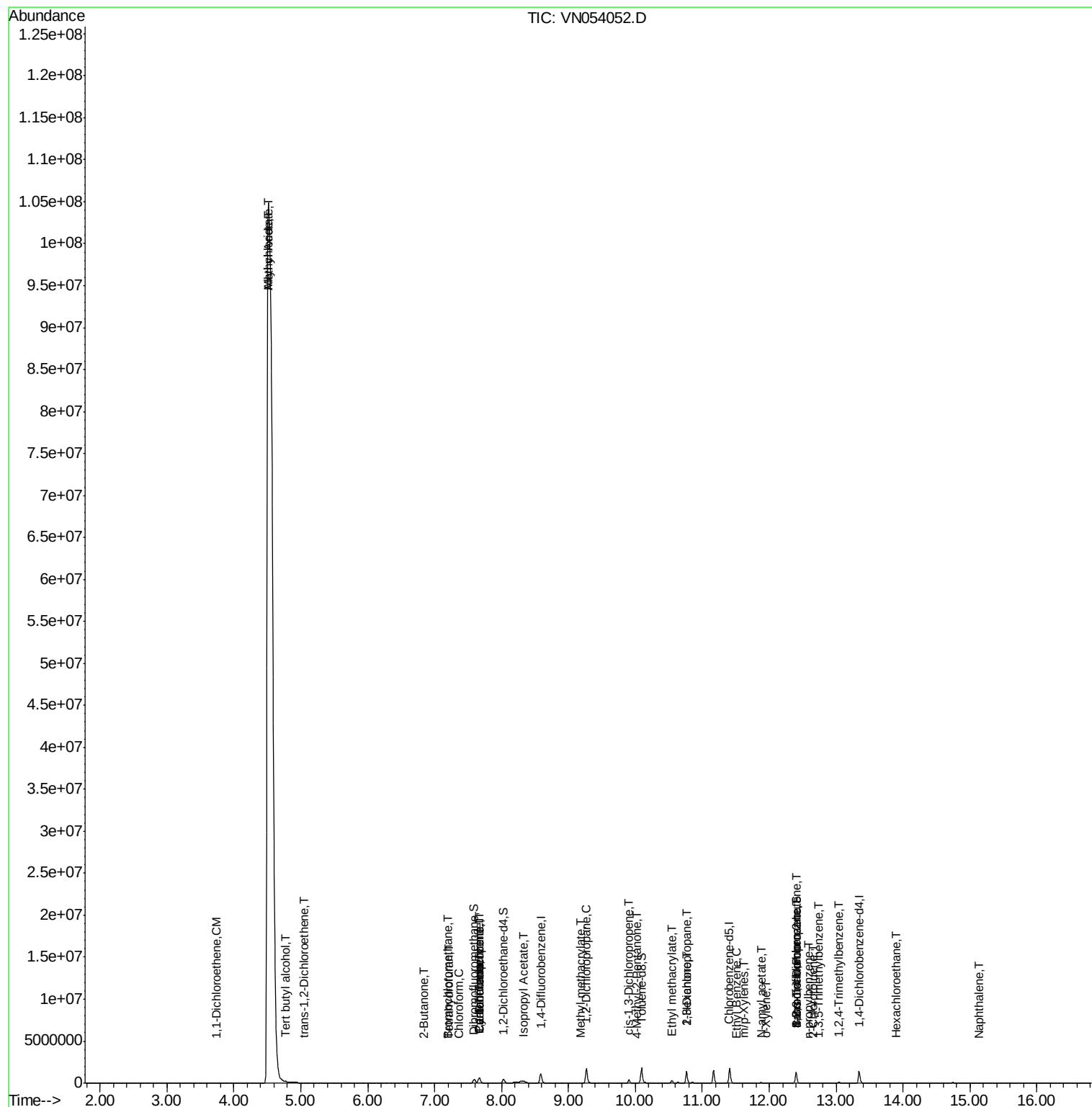
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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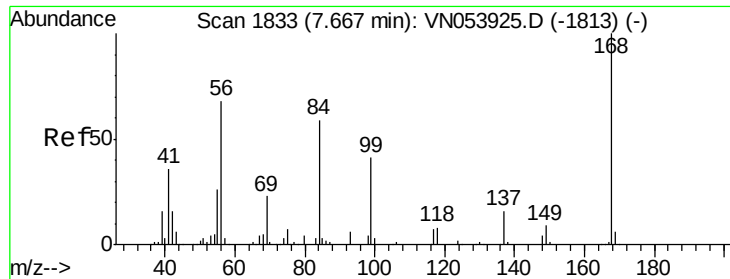
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampleId :

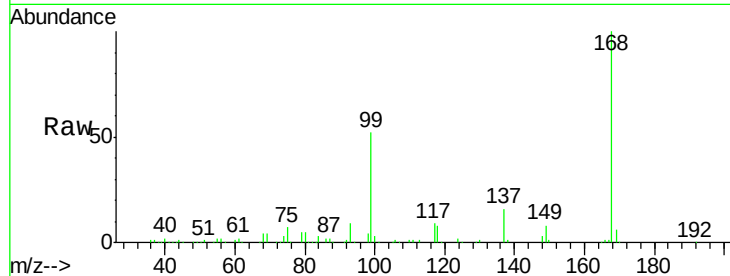
Z-3-12-A

Tot Ion:168 Resp: 621874

Ion Ratio Lower Upper

168 100

99 52.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

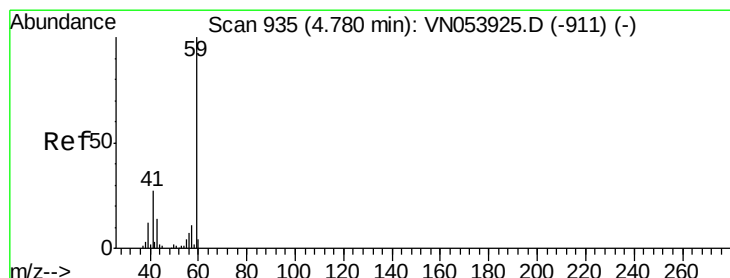
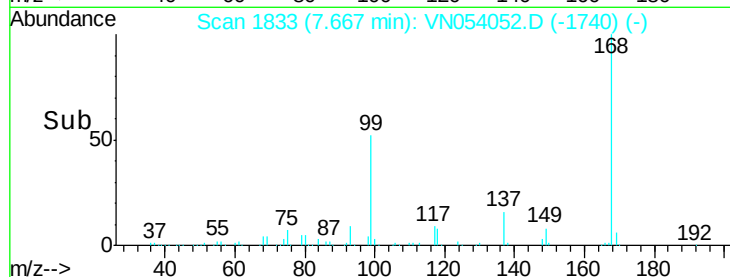
100000

50000

0

7.60 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.245 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN054052.D

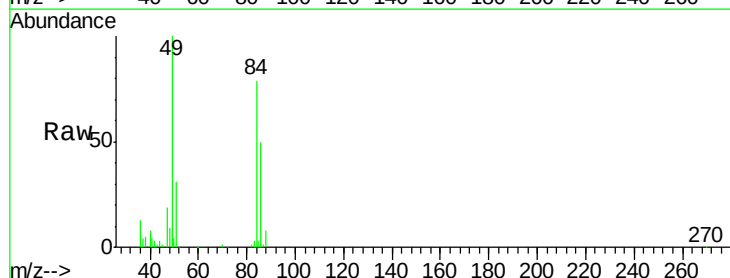
Acq: 2 Mar 2019 1:29

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

250

200

150

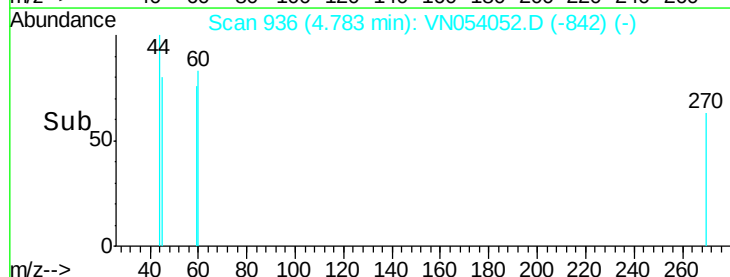
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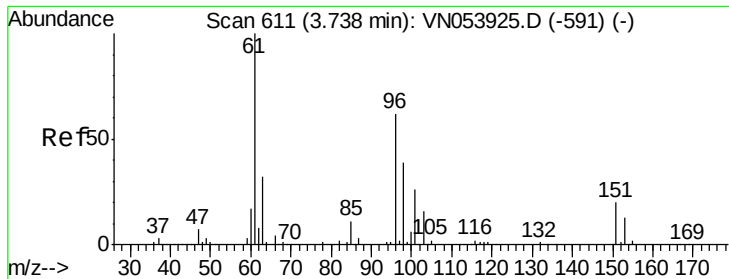
50

0

4.77 4.78 4.79

Time-->



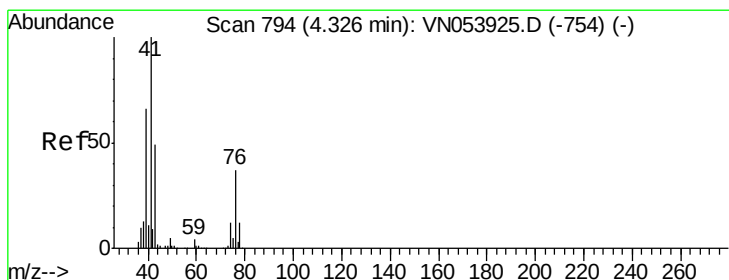
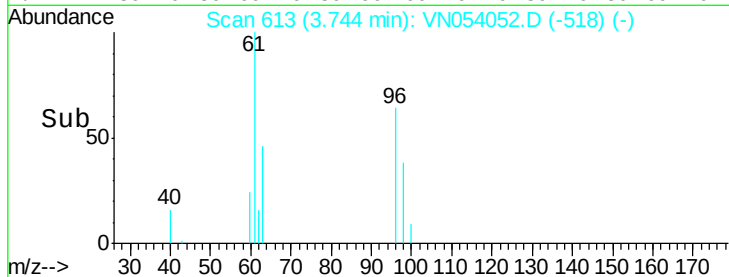
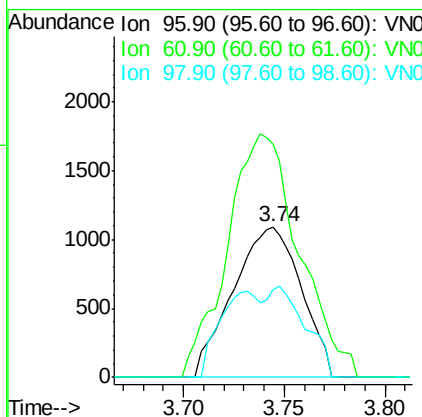
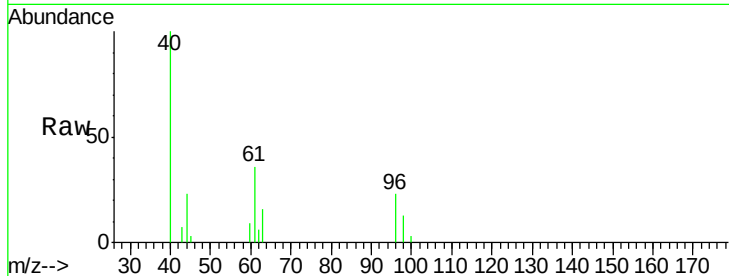


#12
 1,1-Dichloroethene
 Concen: 0.418 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-12-A

Tot Ion: 96 Resp: 2563

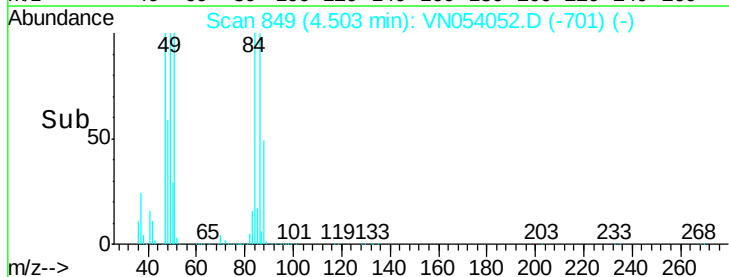
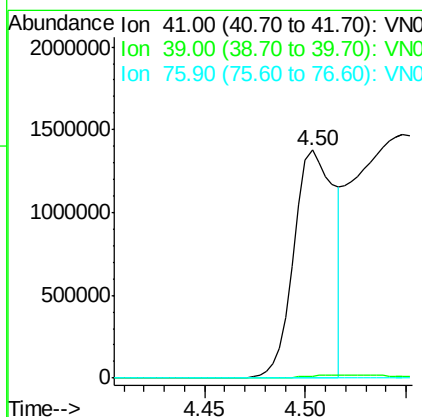
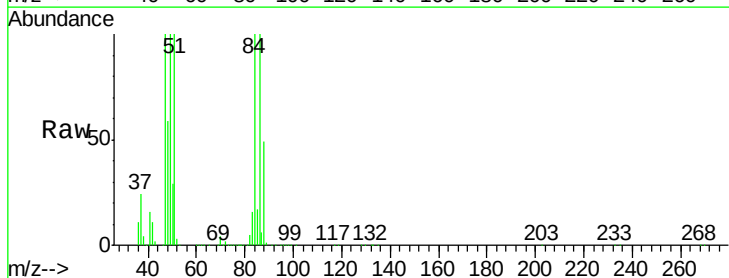
Ion	Ratio	Lower	Upper
96	100		
61	141.8	121.0	181.4
98	58.6	52.2	78.2

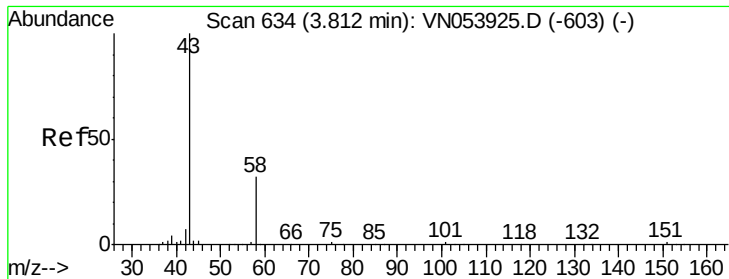


#14
 Allyl chloride
 Concen: 178.404 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.18 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Tgt Ion: 41 Resp: 1920877

Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.8	73.2#
76	0.0	30.9	46.3#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

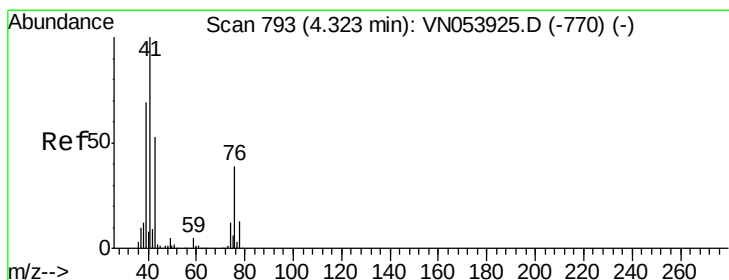
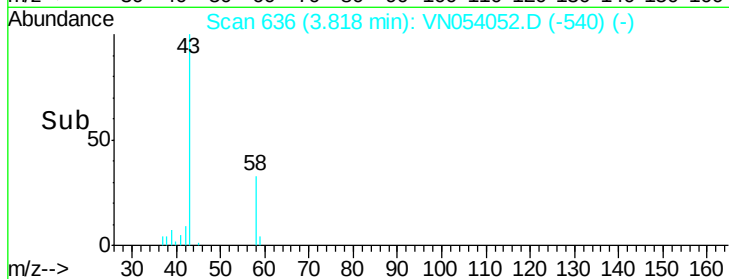
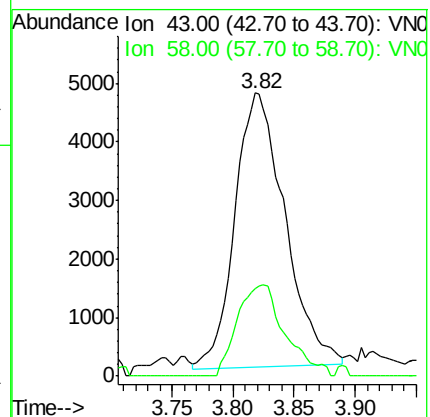
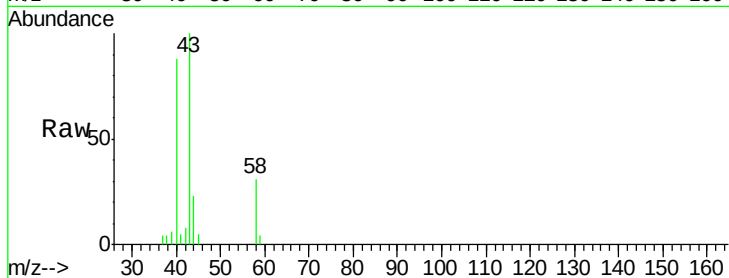
Z-3-12-A

Tot Ion: 43 Resp: 13358

Ion Ratio Lower Upper

43 100

58 32.3 27.6 41.4



#18

Methyl Acetate

Concen: 41.165 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.18 min

Lab File: VN054052.D

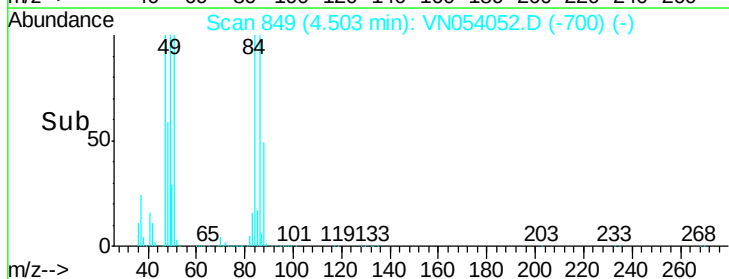
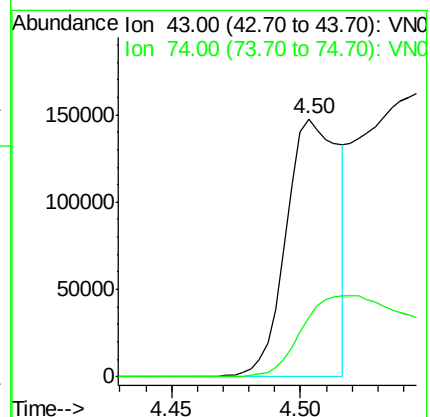
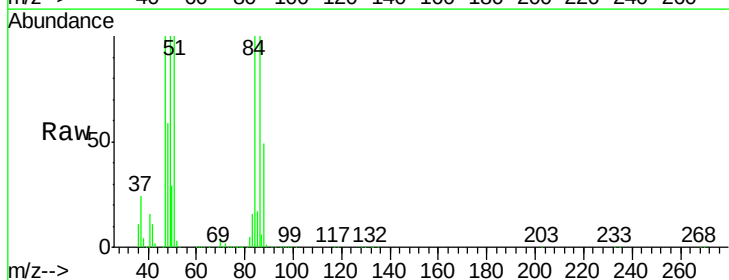
Acq: 2 Mar 2019 1:29

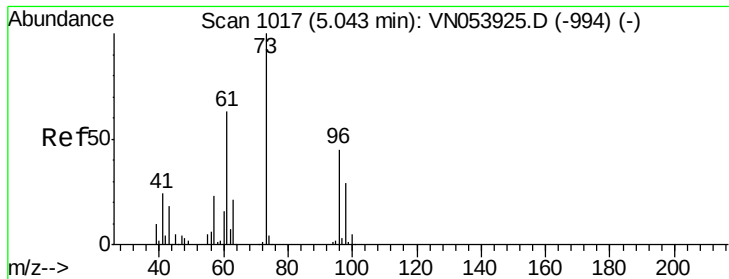
Tgt Ion: 43 Resp: 209831

Ion Ratio Lower Upper

43 100

74 85.8 20.5 30.7#





#21

trans-1,2-Dichloroethene

Concen: 1.090 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampleId :

Z-3-12-A

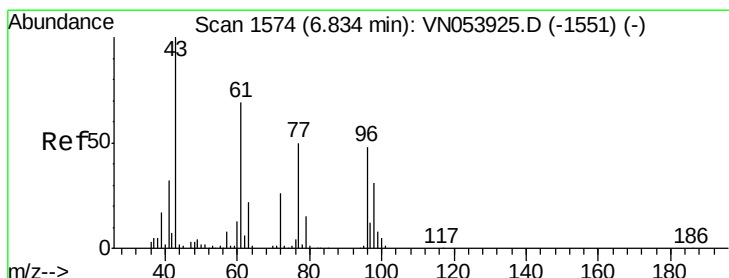
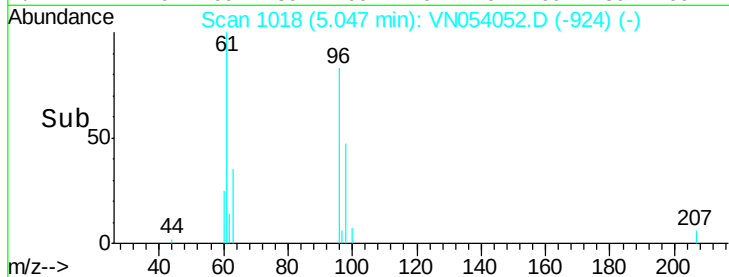
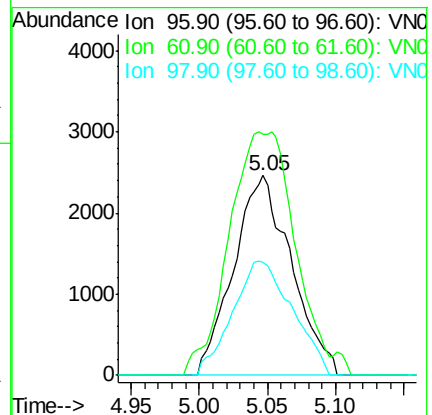
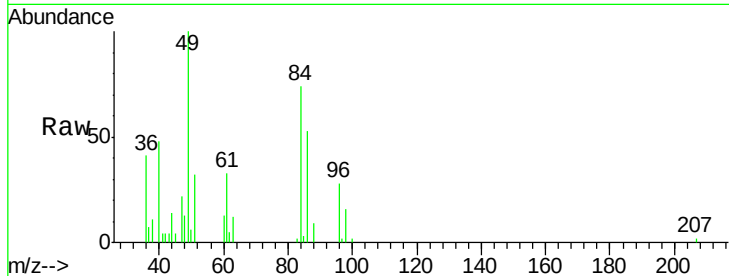
Tot Ion: 96 Resp: 7242

Ion Ratio Lower Upper

96 100

61 110.1 104.5 156.7

98 56.6 50.6 76.0



#25

2-Butanone

Concen: 0.795 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN054052.D

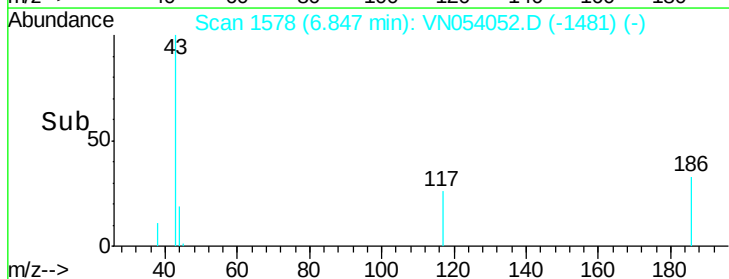
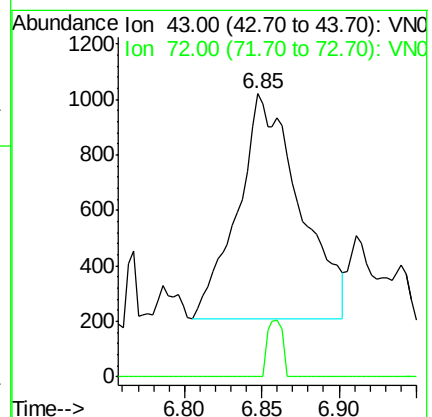
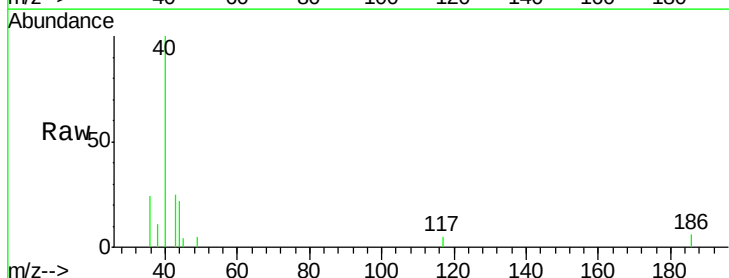
Acq: 2 Mar 2019 1:29

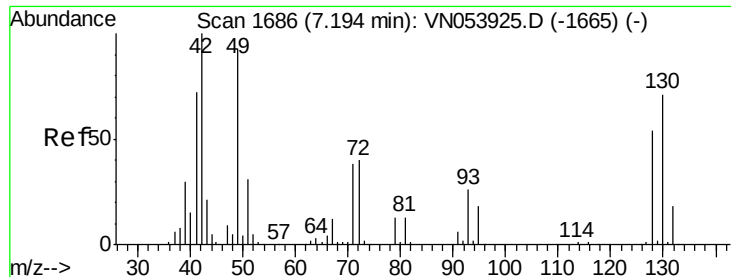
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

72 0.0 22.1 33.1#





#28

Bromochloromethane

Concen: 1.026 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

Z-3-12-A

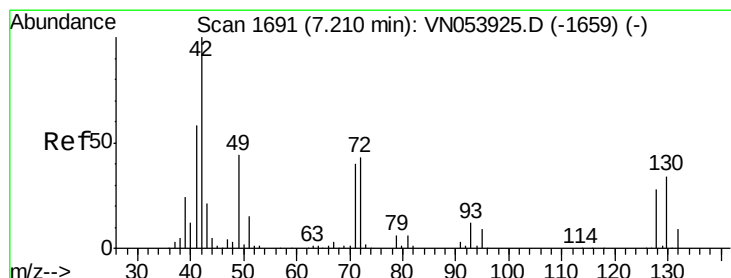
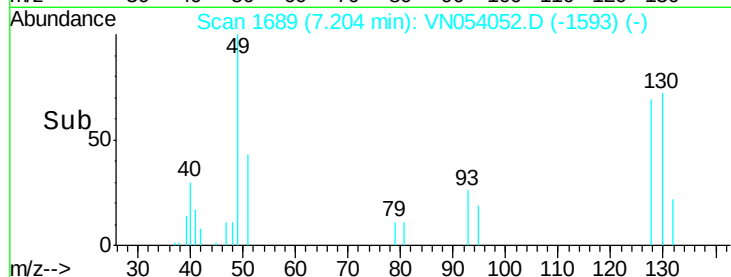
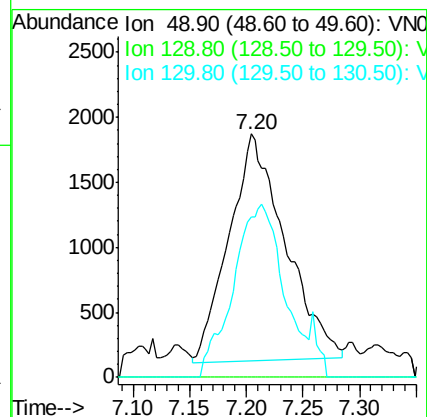
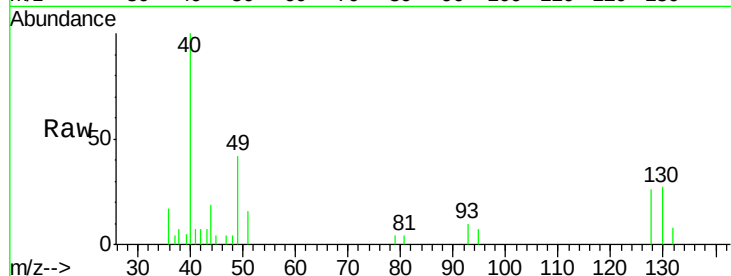
Tot Ion: 49 Resp: 5980

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 67.9 72.9 109.3#



#29

Tetrahydrofuran

Concen: 0.754 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

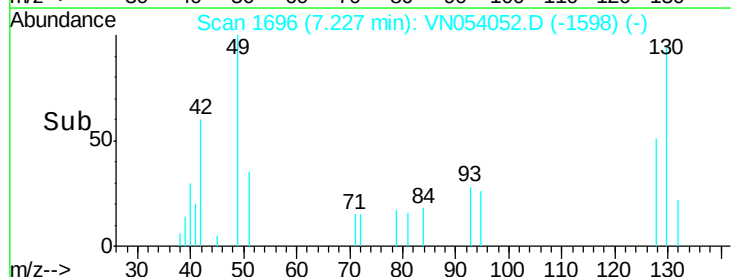
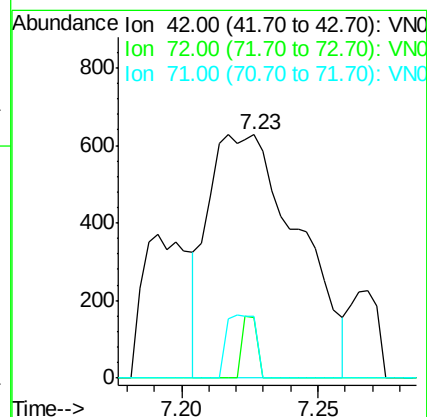
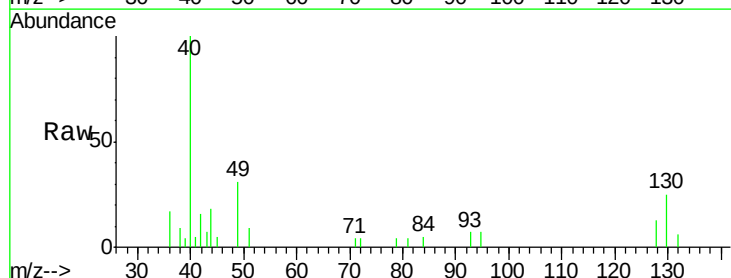
Tgt Ion: 42 Resp: 1437

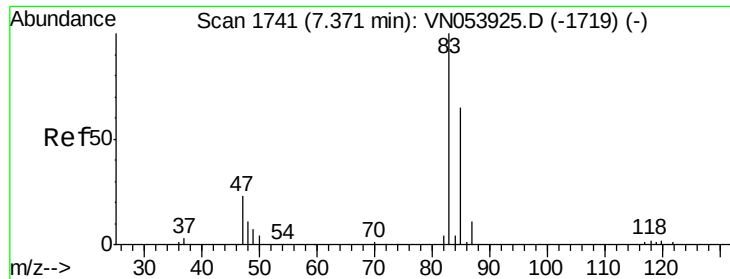
Ion Ratio Lower Upper

42 100

72 4.2 36.9 55.3#

71 8.6 34.6 52.0#

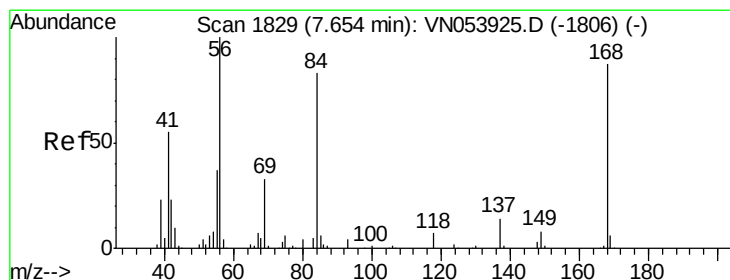
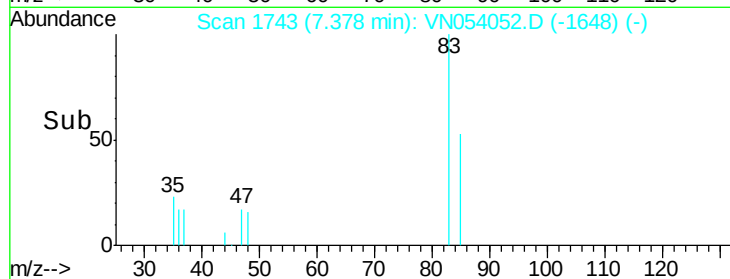
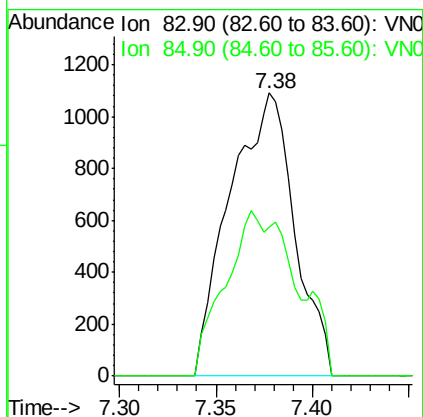
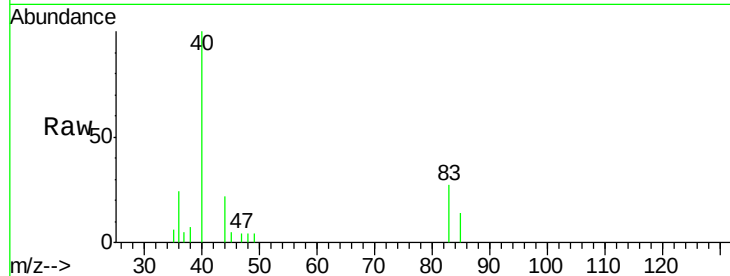




#30
Chloroform
Concen: 0.206 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

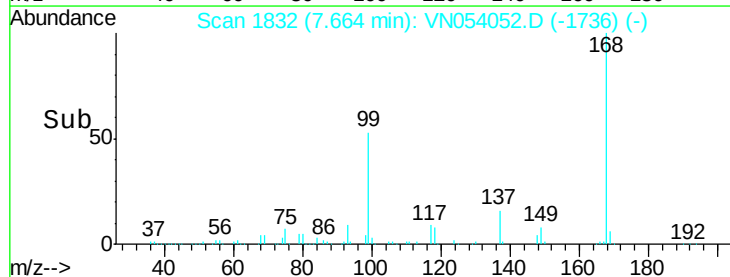
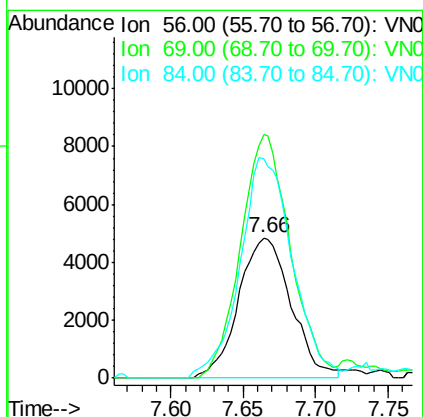
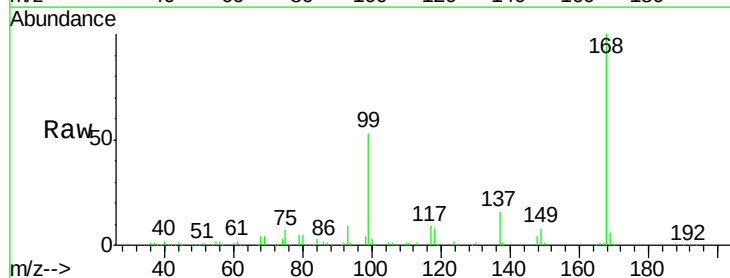
Instrument :
MSVOA_N
ClientSampled :
Z-3-12-A

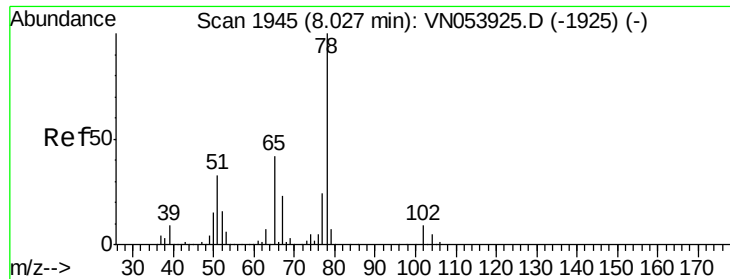
Tot Ion: 83 Resp: 2542
Ion Ratio Lower Upper
83 100
85 52.5 52.6 78.8#



#31
Cyclohexane
Concen: 0.643 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

Tgt Ion: 56 Resp: 12211
Ion Ratio Lower Upper
56 100
69 173.3 26.0 39.0#
84 156.0 69.1 103.7#

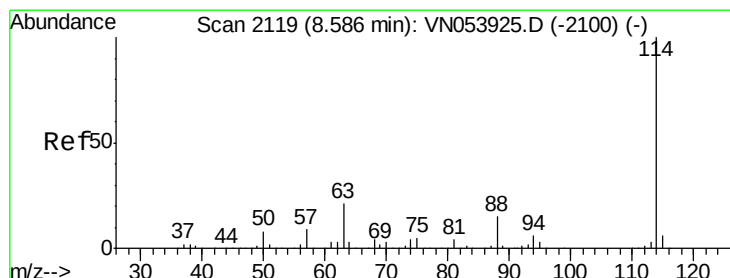
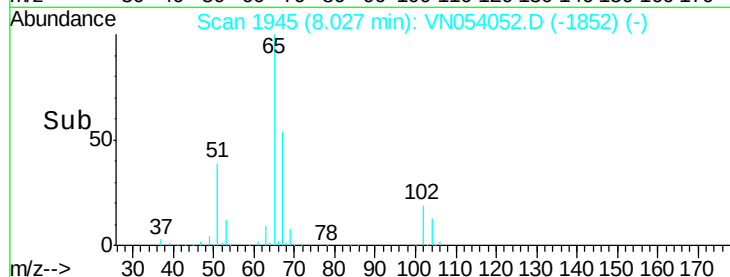
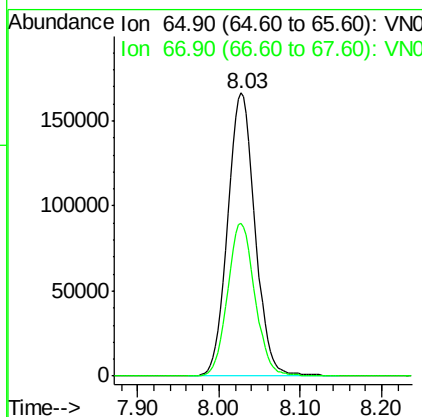
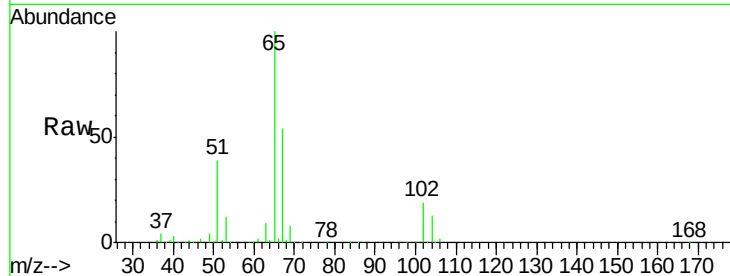




#33
 1,2-Dichloroethane-d4
 Concen: 53.859 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

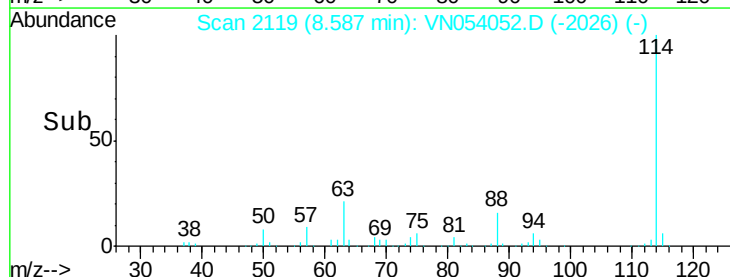
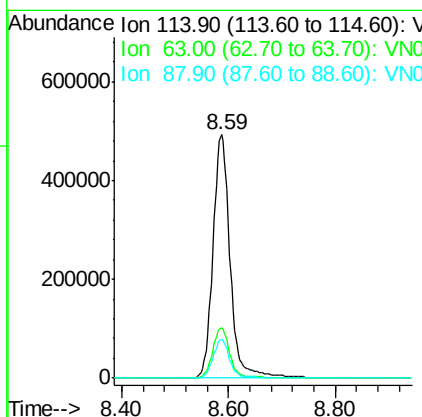
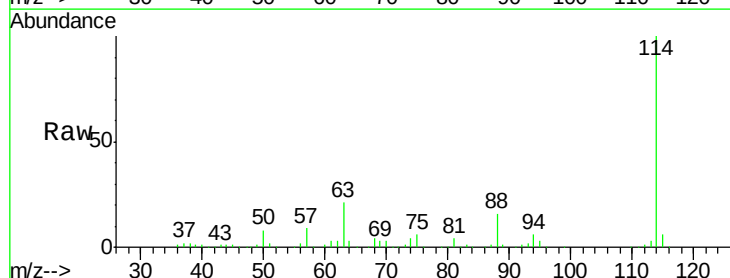
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-12-A

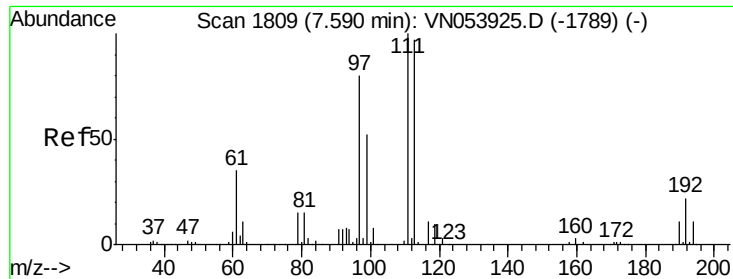
Tot Ion: 65 Resp: 392616
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Tgt Ion: 114 Resp: 1107130
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.9 0.0 30.4

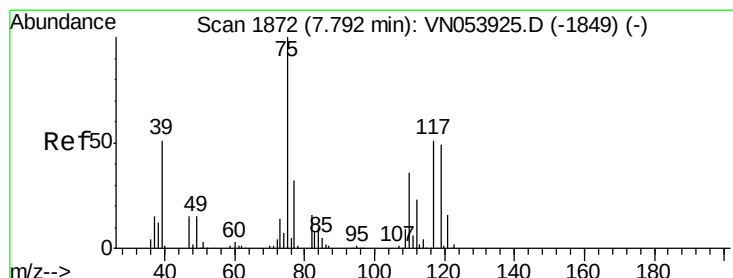
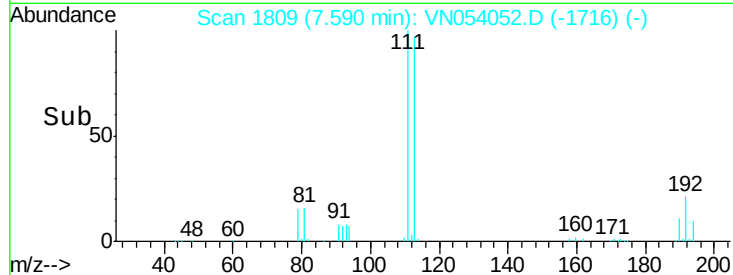
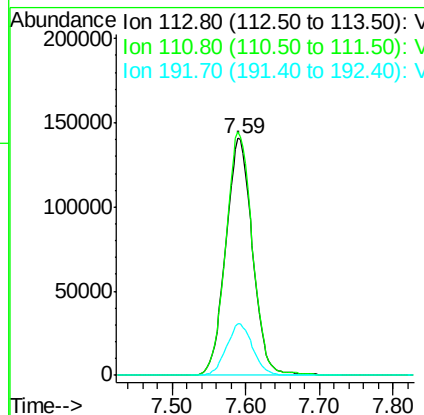
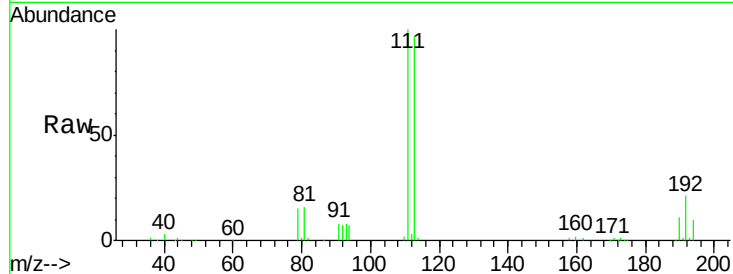




#35
 Dibromofluoromethane
 Concen: 49.447 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

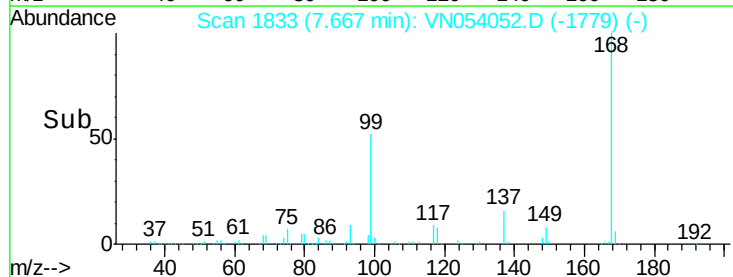
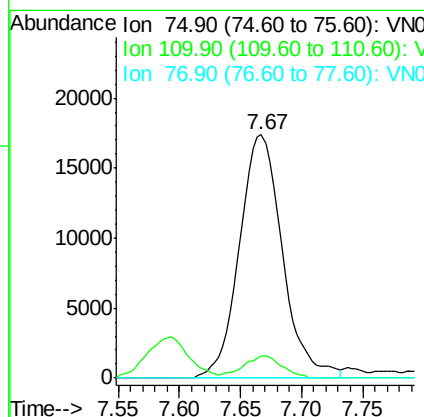
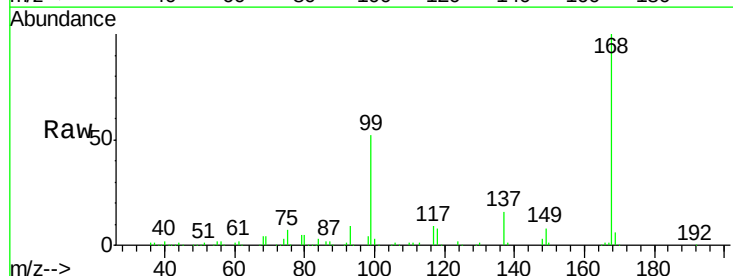
Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-12-A

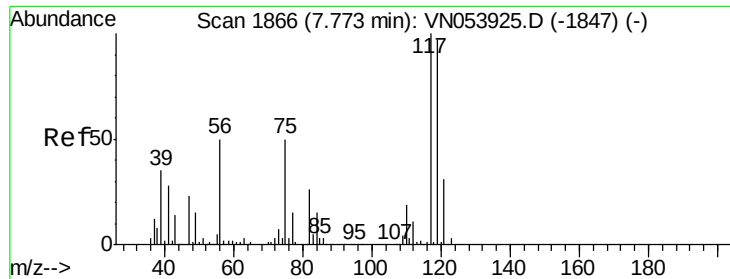
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	21.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.121 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.0	57.0#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 4.964 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

Z-3-12-A

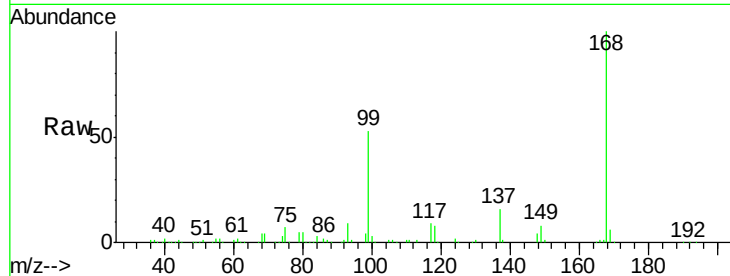
Tot Ion:117 Resp: 53154

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

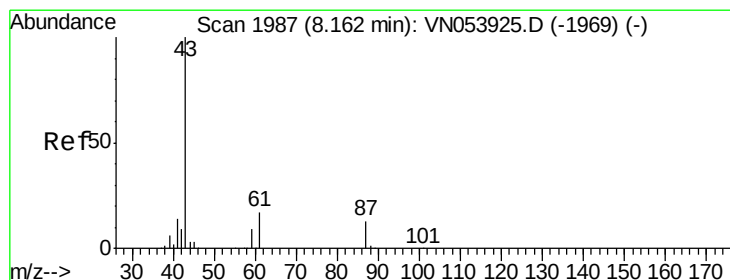
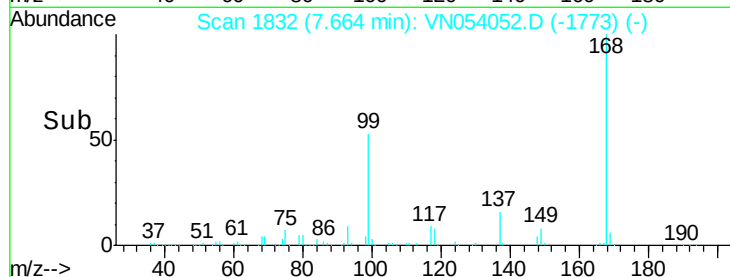
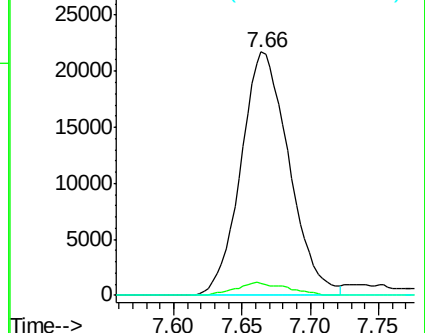
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 51.492 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

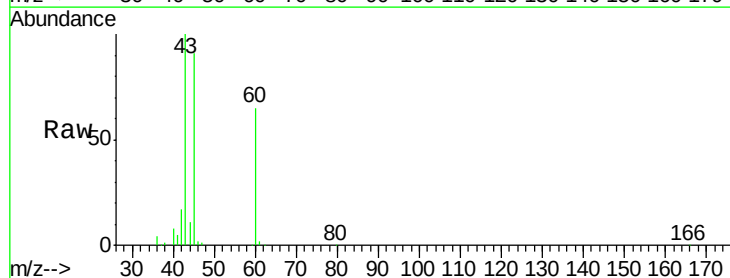
Tgt Ion: 43 Resp: 639152

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

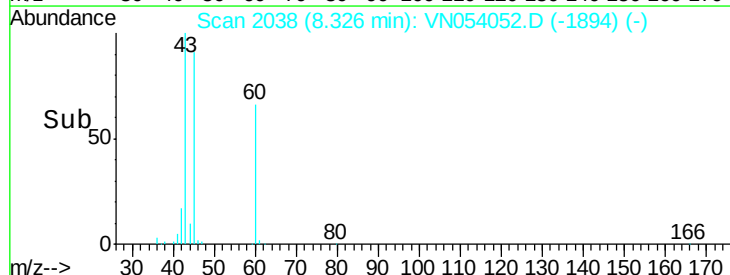
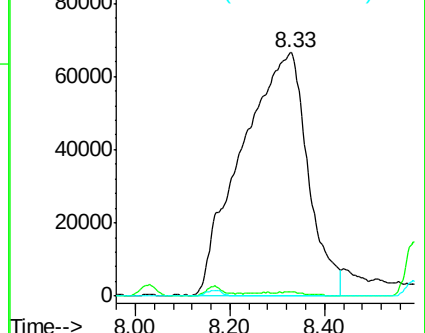
87 0.0 11.5 17.3#

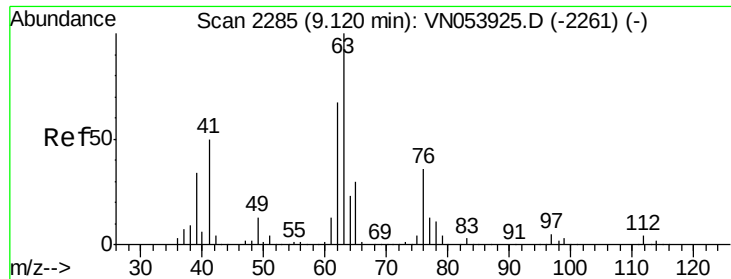


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

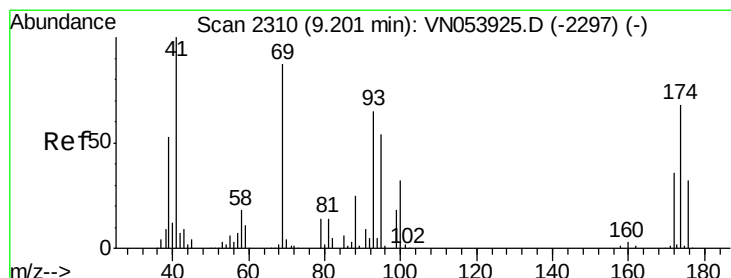
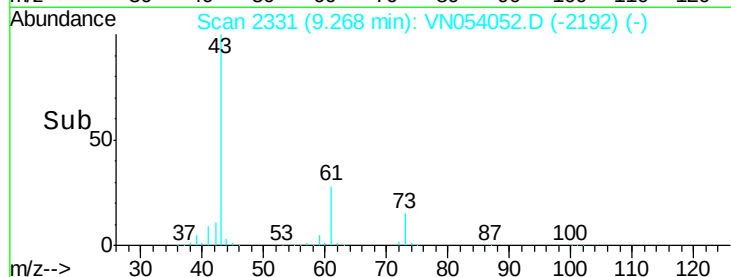
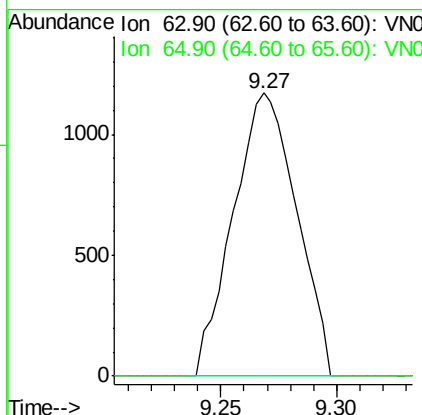
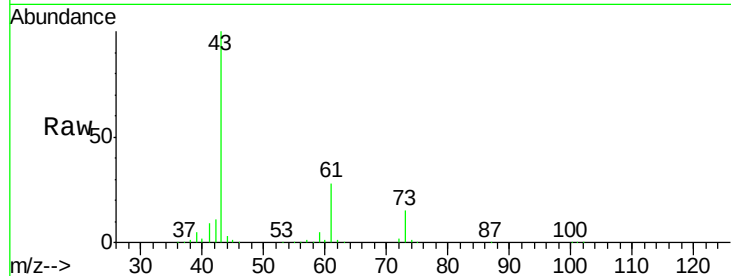




#45
 1,2-Dichloropropane
 Concen: 0.261 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

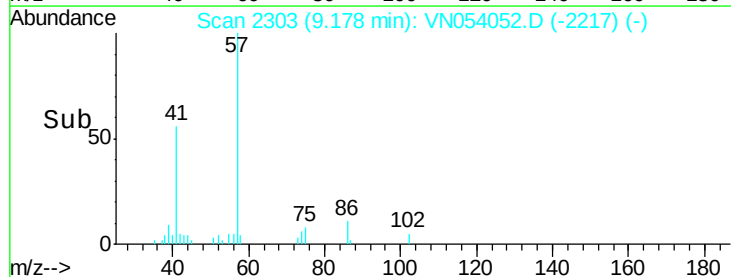
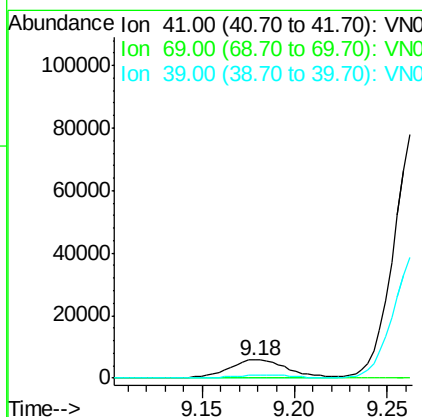
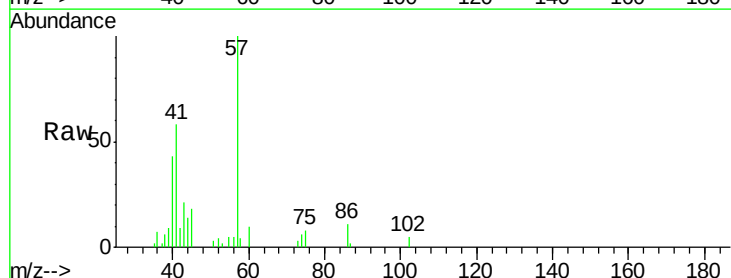
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-12-A

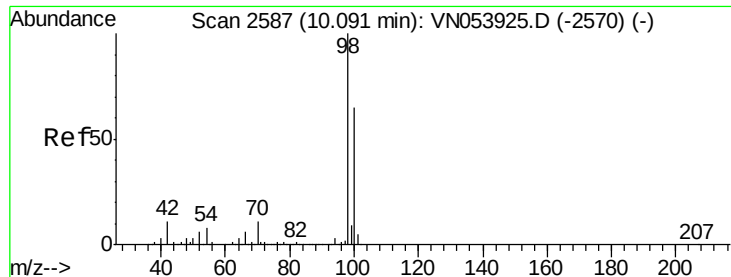
Tot Ion: 63 Resp: 2230
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.3 36.5#



#48
 Methyl methacrylate
 Concen: 2.121 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Tgt Ion: 41 Resp: 12111
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.8 112.2#
 39 0.0 39.0 58.6#

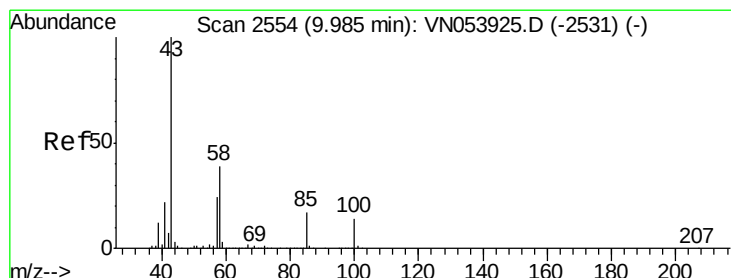
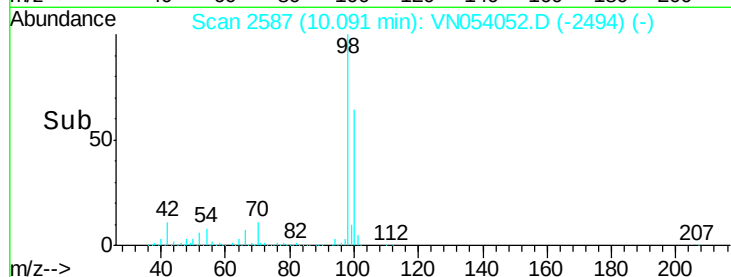
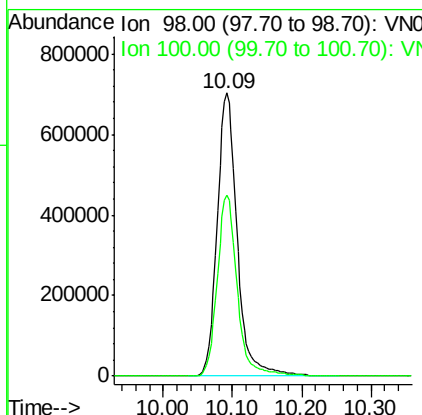
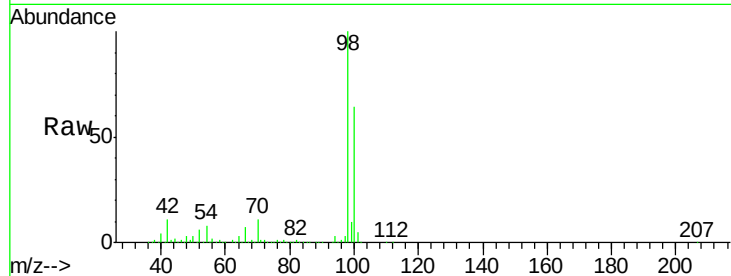




#50
Toluene-d8
Concen: 52.911 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

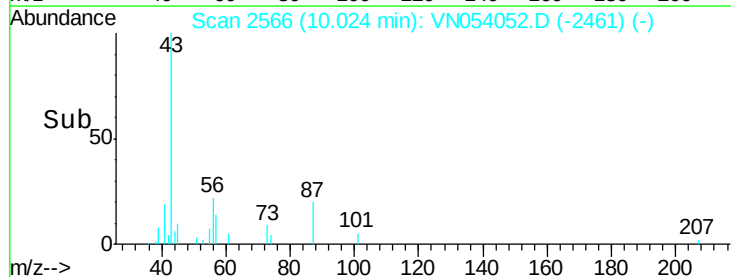
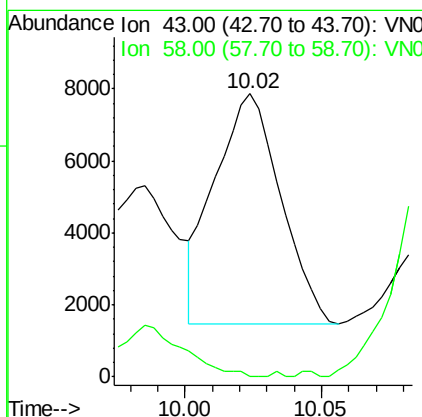
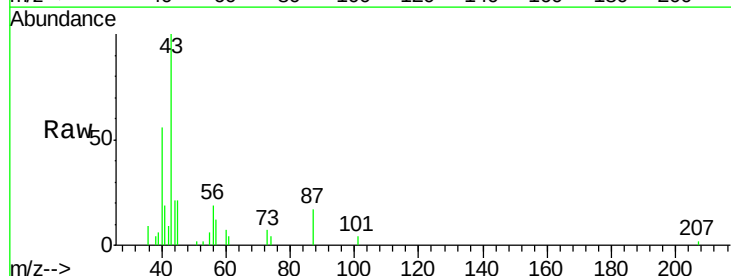
Instrument :
MSVOA_N
ClientSampleId :
Z-3-12-A

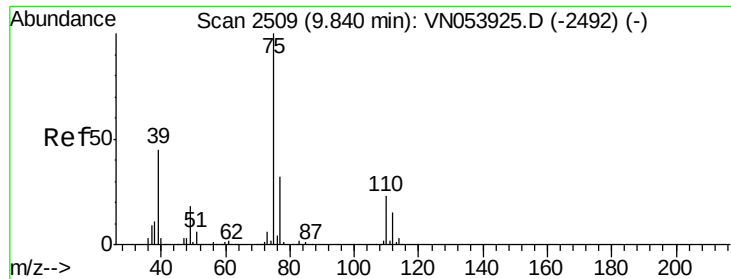
Tot Ion: 98 Resp: 1410126
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.696 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

Tgt Ion: 43 Resp: 10821
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 6.190 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

Z-3-12-A

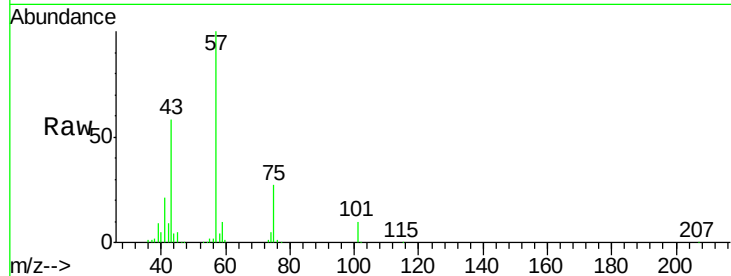
Tot Ion: 75 Resp: 74130

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

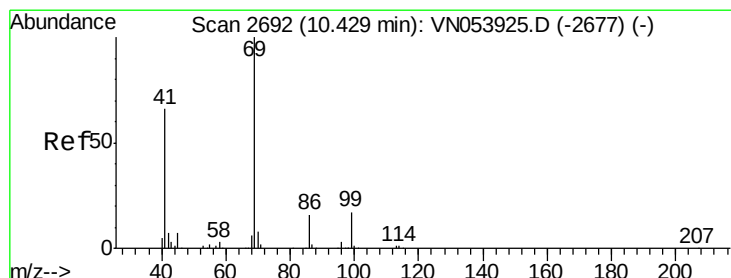
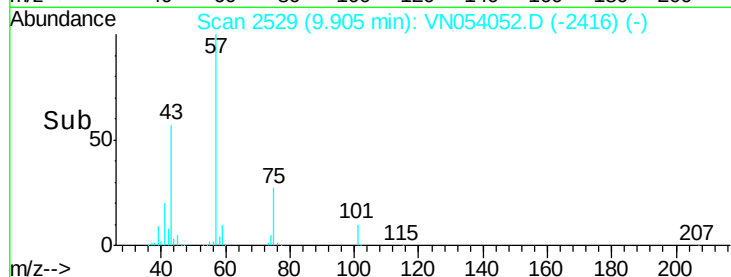
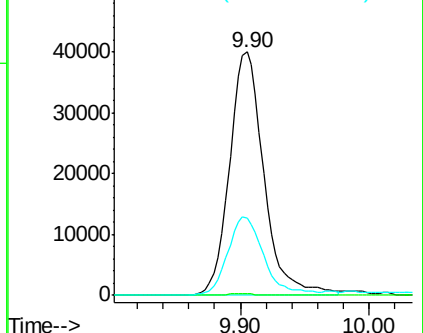
39 31.6 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.139 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

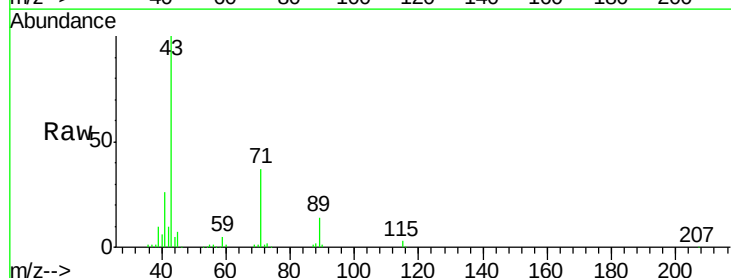
Tgt Ion: 69 Resp: 1750

Ion Ratio Lower Upper

69 100

41 3547.3 47.5 71.3#

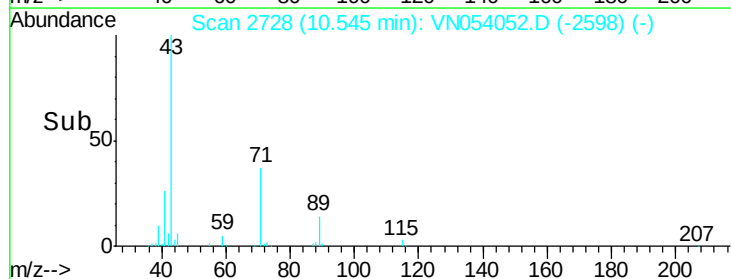
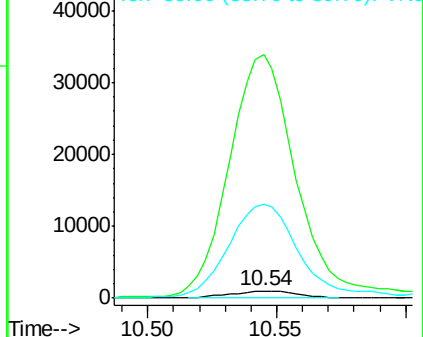
39 1444.9 23.4 35.0#

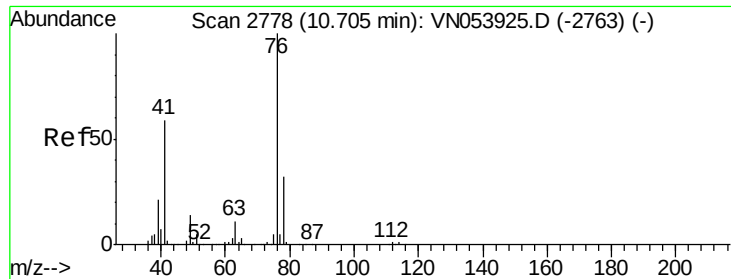


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.242 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

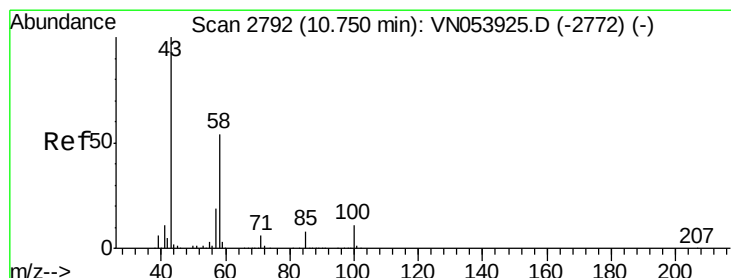
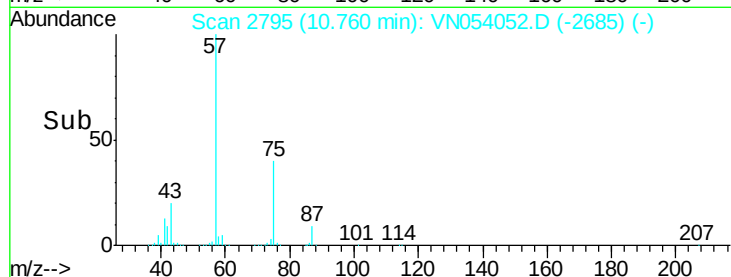
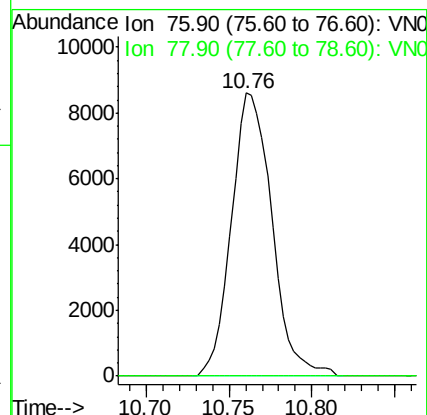
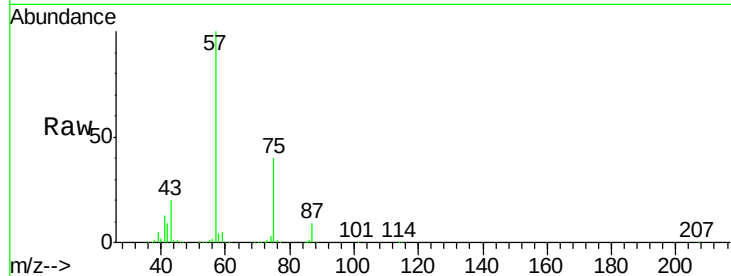
Z-3-12-A

Tot Ion: 76 Resp: 14601

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#



#59

2-Hexanone

Concen: 54.229 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN054052.D

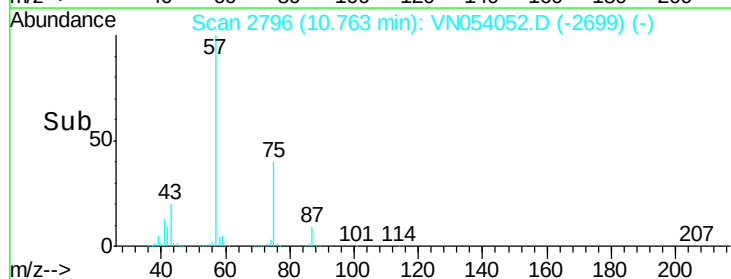
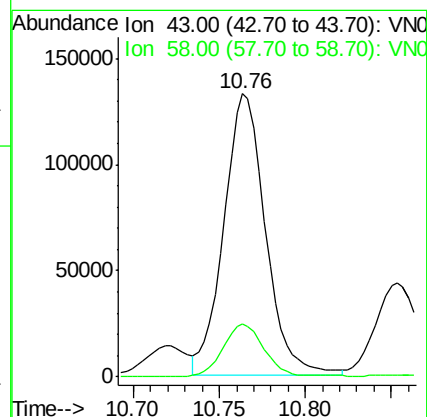
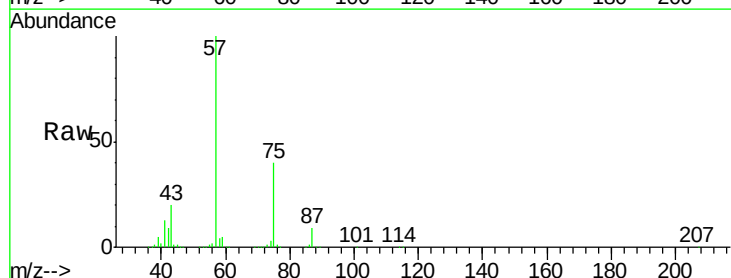
Acq: 2 Mar 2019 1:29

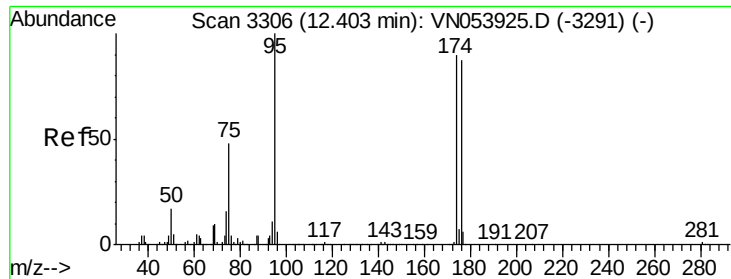
Tgt Ion: 43 Resp: 224966

Ion Ratio Lower Upper

43 100

58 18.9 29.1 87.4#

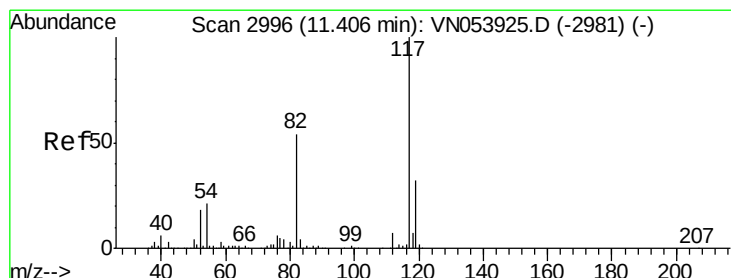
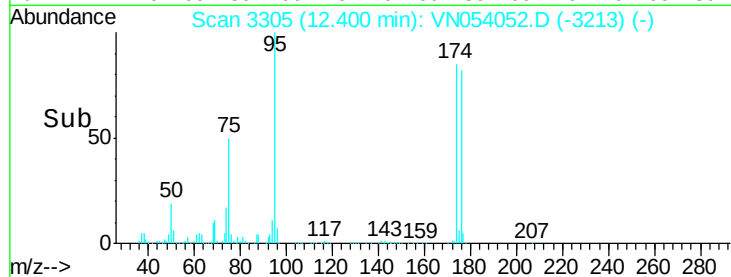
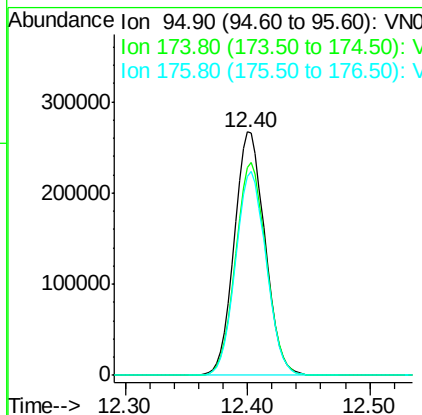
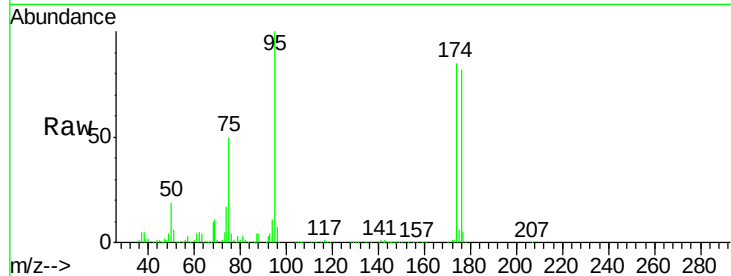




#62
4-Bromofluorobenzene
Concen: 52.374 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

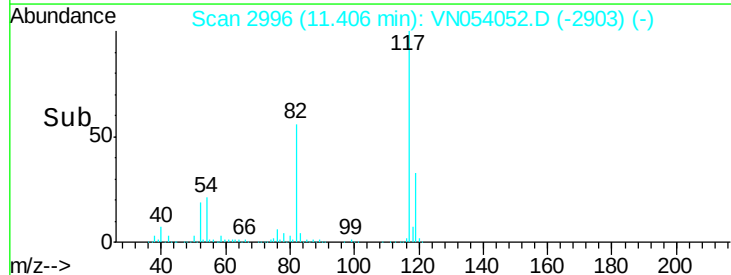
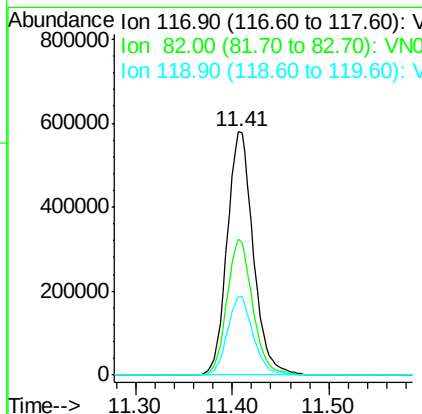
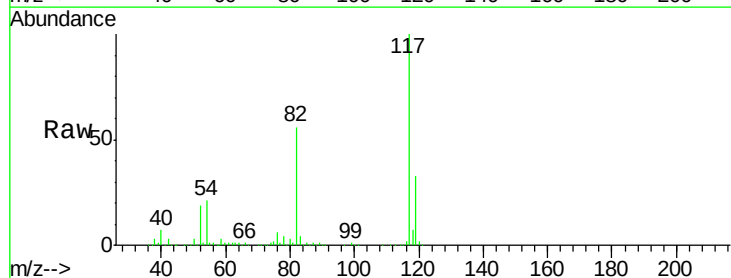
Instrument :
MSVOA_N
ClientSampled :
Z-3-12-A

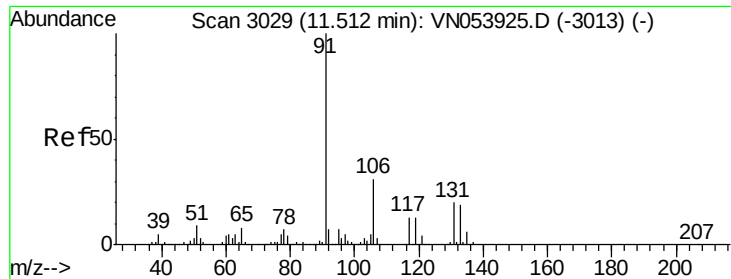
Tot Ion: 95 Resp: 465045
Ion Ratio Lower Upper
95 100
174 87.2 0.0 188.8
176 83.4 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

Tgt Ion: 117 Resp: 1083437
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.2
119 32.5 25.3 37.9

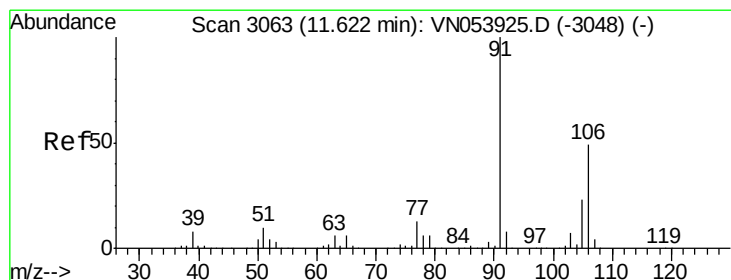
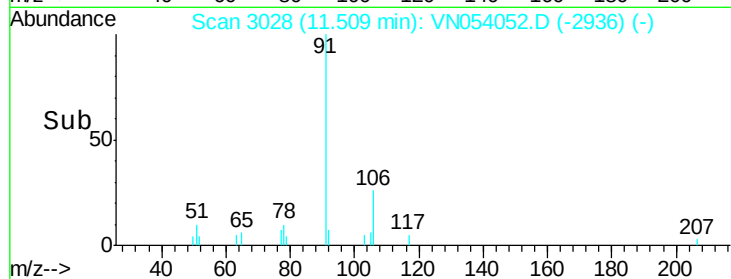
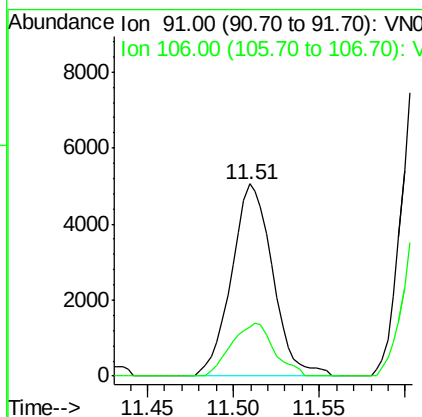
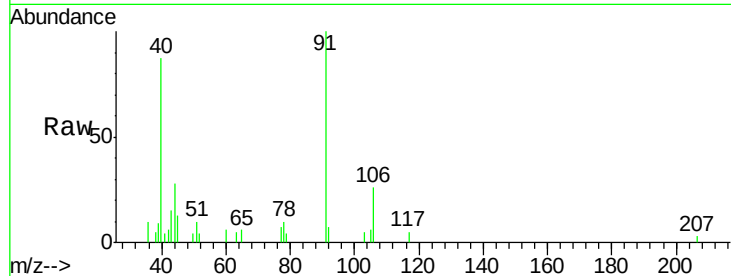




#67
Ethyl Benzene
Concen: 0.220 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

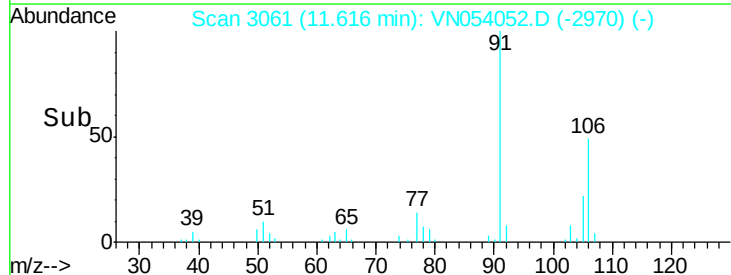
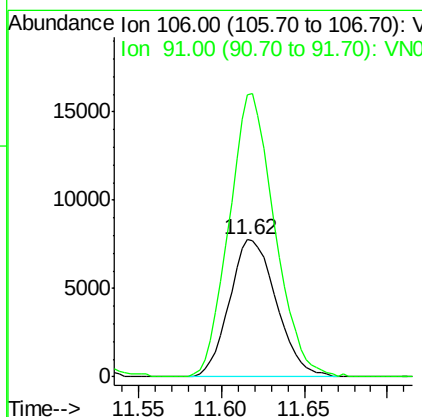
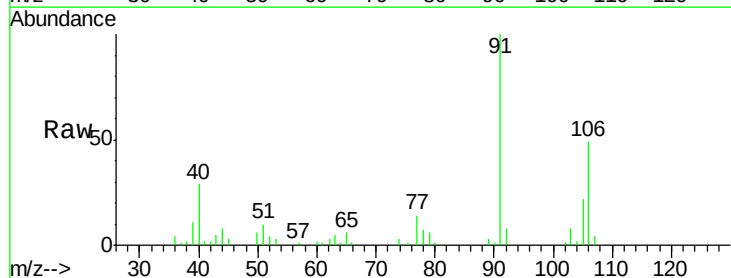
Instrument :
MSVOA_N
ClientSampled :
Z-3-12-A

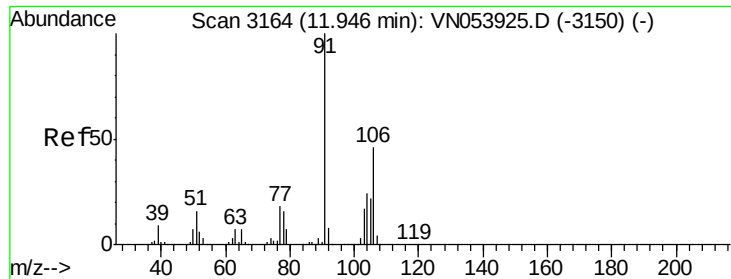
Tot Ion: 91 Resp: 8438
Ion Ratio Lower Upper
91 100
106 25.6 25.2 37.8



#68
m/p-Xylenes
Concen: 1.057 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

Tgt Ion: 106 Resp: 15298
Ion Ratio Lower Upper
106 100
91 200.6 158.9 238.3

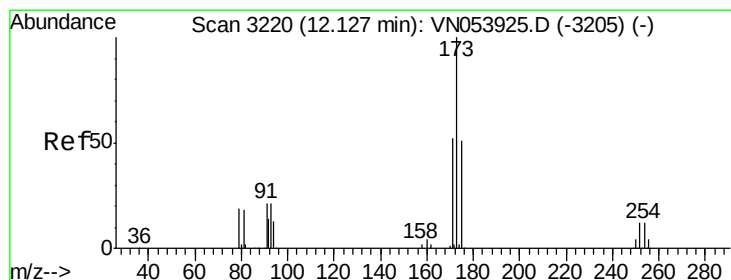
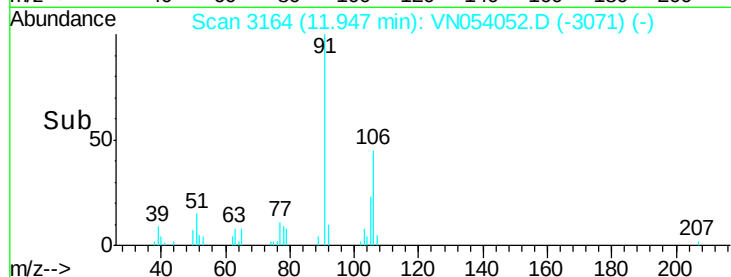
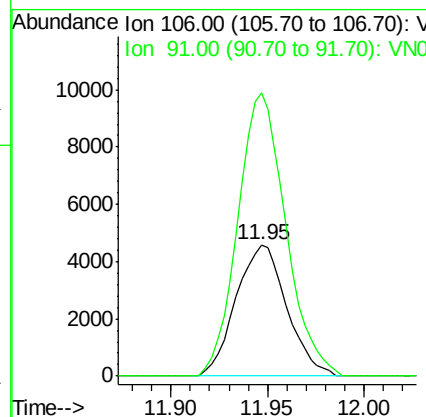
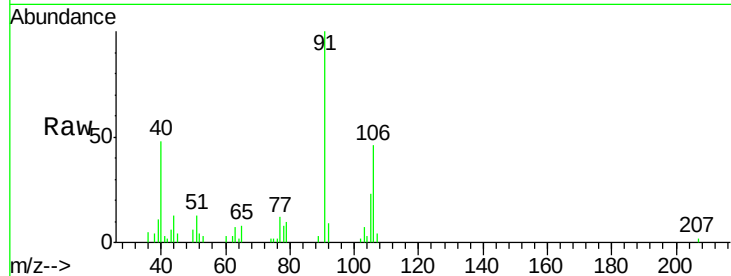




#69
o-Xylene
Concen: 0.588 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

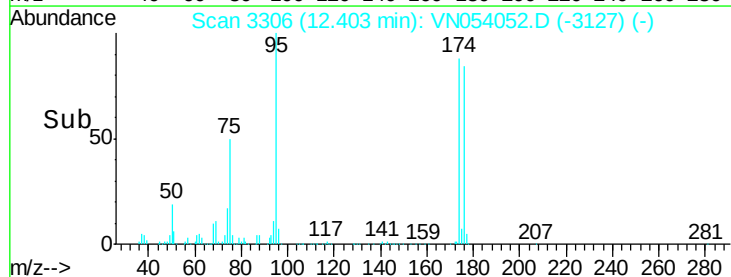
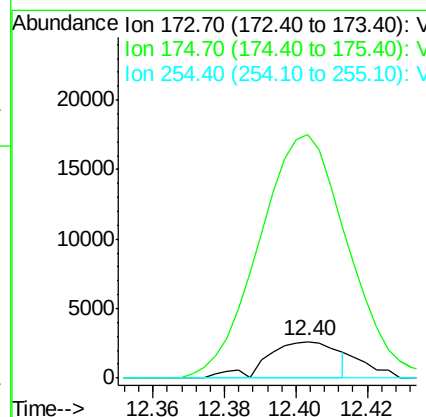
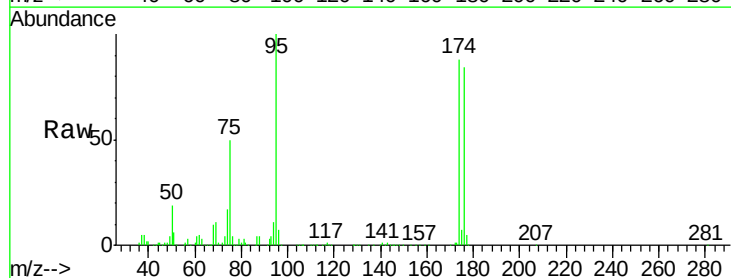
Instrument :
MSVOA_N
ClientSampled :
Z-3-12-A

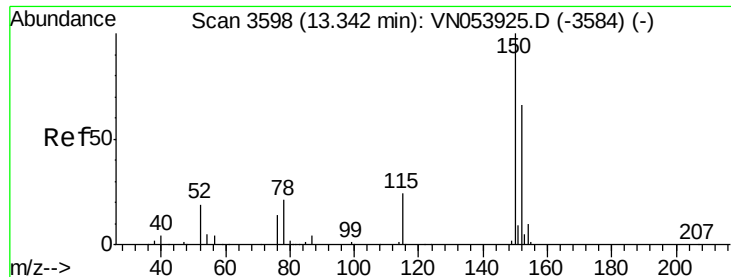
Tot Ion:106 Resp: 8358
Ion Ratio Lower Upper
106 100
91 203.7 106.0 318.0



#71
Bromoform
Concen: 0.626 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054052.D
Acq: 2 Mar 2019 1:29

Tgt Ion:173 Resp: 3588
Ion Ratio Lower Upper
173 100
175 719.1 24.3 72.8#
254 0.0 0.2 0.2#

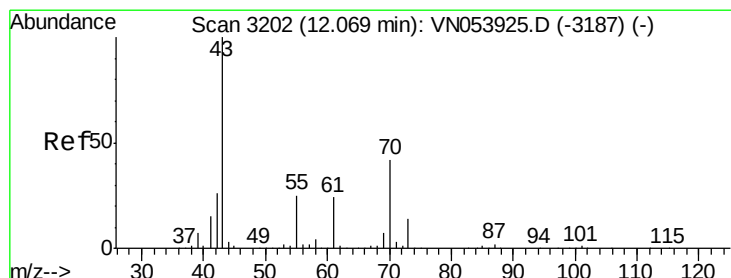
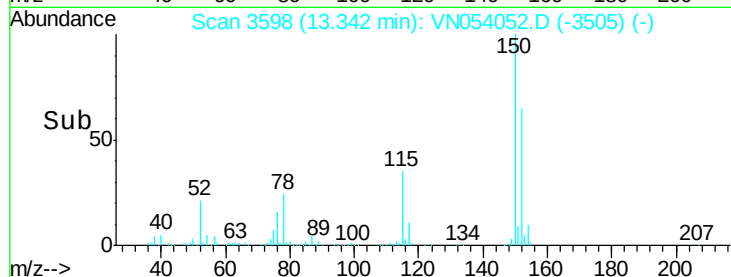
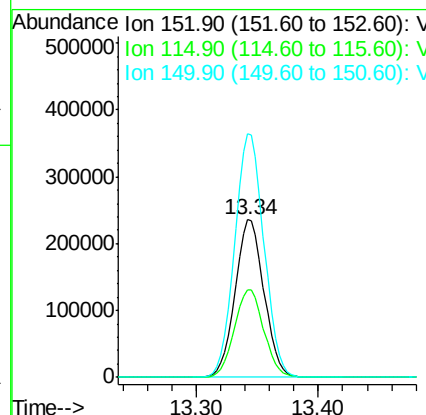
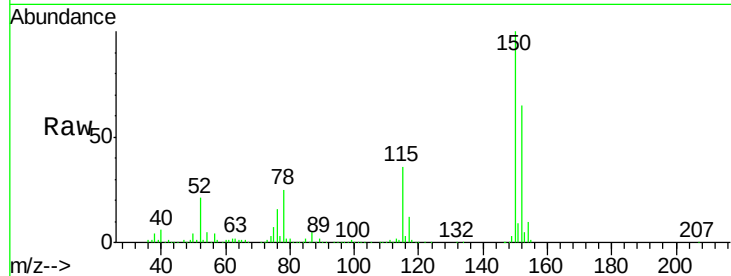




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

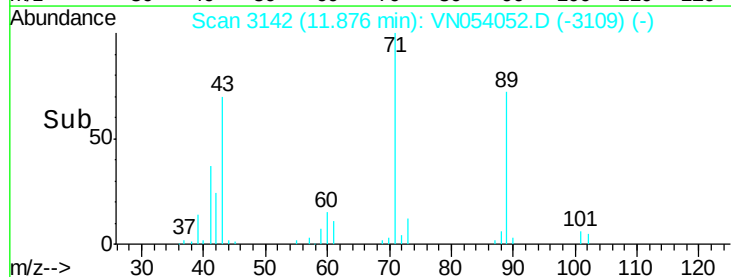
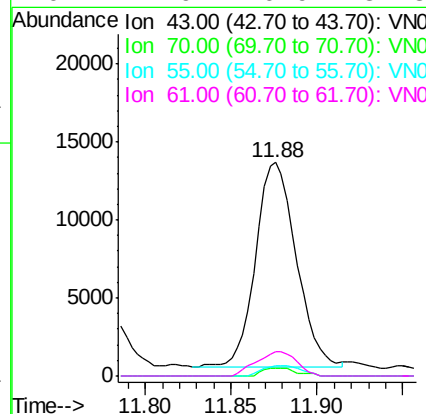
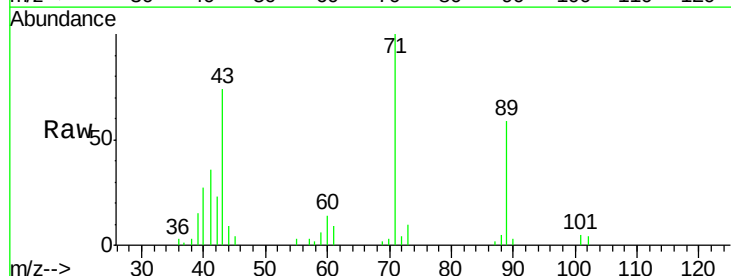
Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-12-A

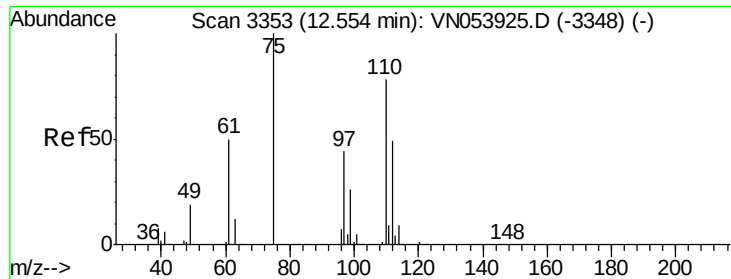
Tot Ion:152 Resp: 388051
 Ion Ratio Lower Upper
 152 100
 115 56.9 27.2 81.6
 150 156.6 0.0 348.2



#74
 N-ethyl acetate
 Concen: 2.713 ug/l
 RT: 11.88 min Scan# 3142
 Delta R.T. -0.19 min
 Lab File: VN054052.D
 Acq: 2 Mar 2019 1:29

Tgt Ion: 43 Resp: 21477
 Ion Ratio Lower Upper
 43 100
 70 3.3 37.4 56.2#
 55 4.7 21.4 32.0#
 61 11.9 20.9 31.3#





#76

1,2,3-Trichloropropane

Concen: 36.763 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampleId :

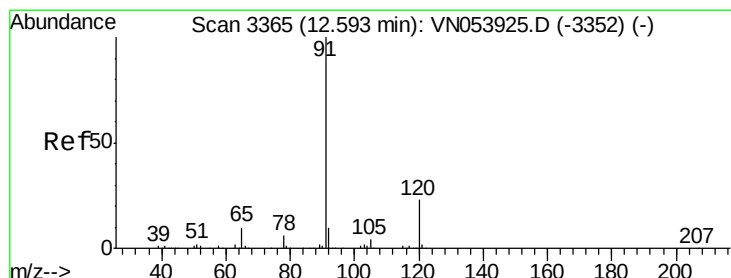
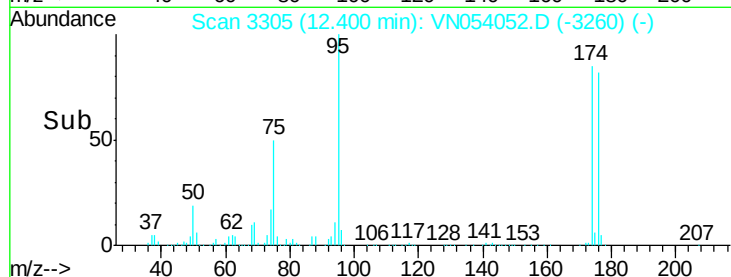
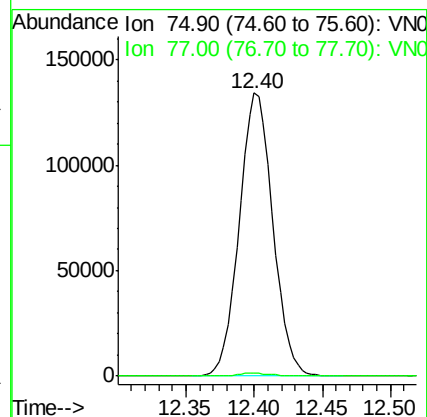
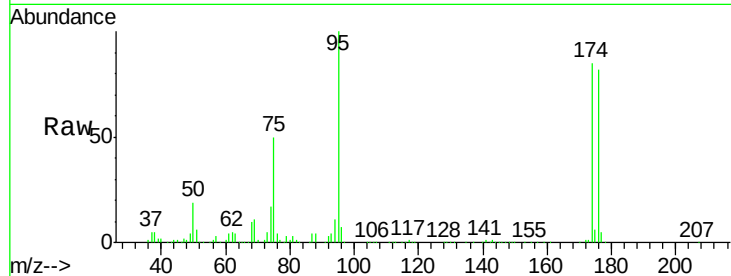
Z-3-12-A

Tot Ion: 75 Resp: 22852

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#78

n-propylbenzene

Concen: 0.378 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054052.D

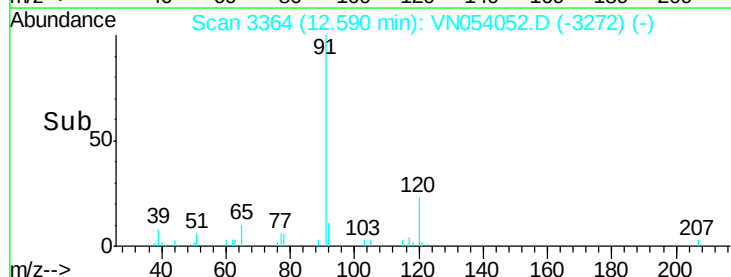
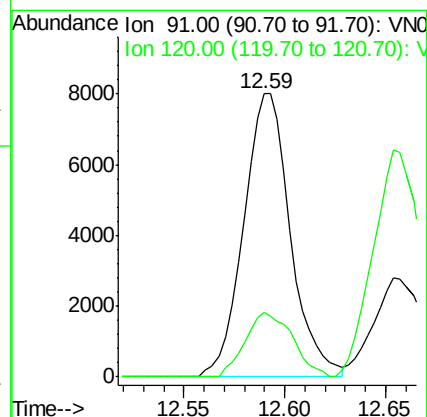
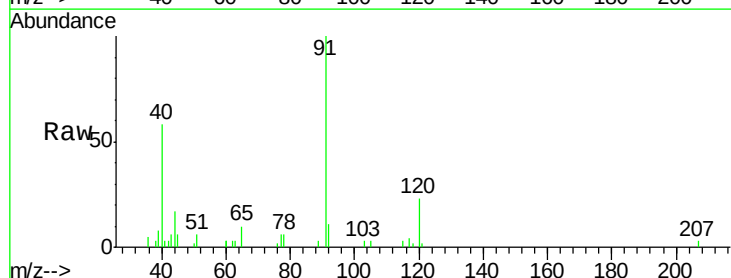
Acq: 2 Mar 2019 1:29

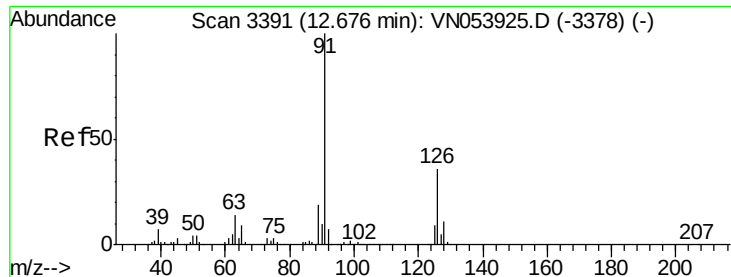
Tgt Ion: 91 Resp: 12979

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.9





#79

2-Chlorotoluene

Concen: 0.315 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

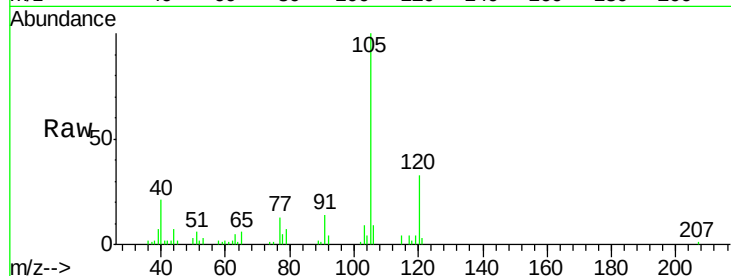
Z-3-12-A

Tot Ion: 91 Resp: 6503

Ion Ratio Lower Upper

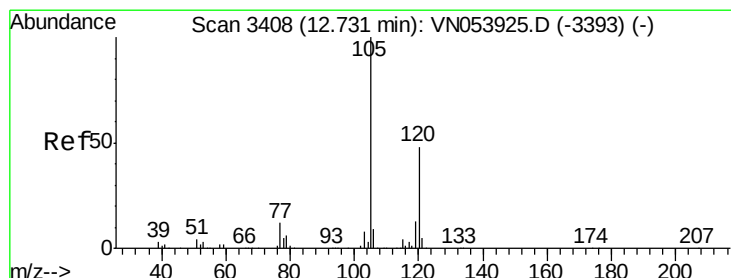
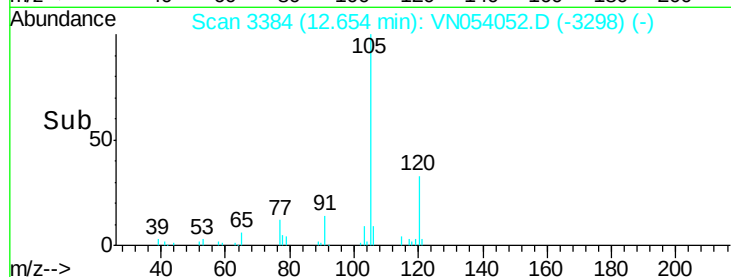
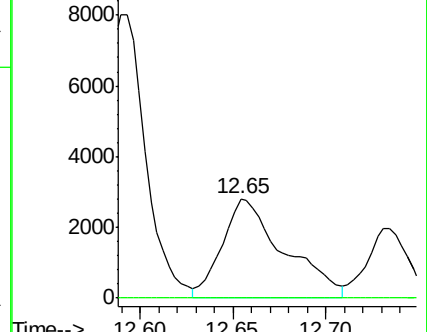
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.029 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054052.D

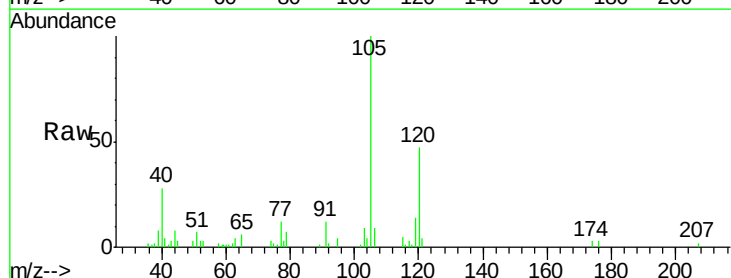
Acq: 2 Mar 2019 1:29

Tgt Ion: 105 Resp: 25448

Ion Ratio Lower Upper

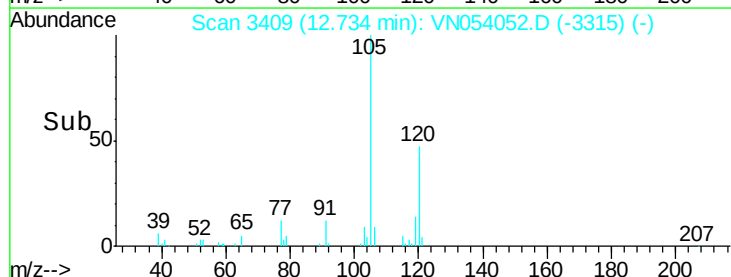
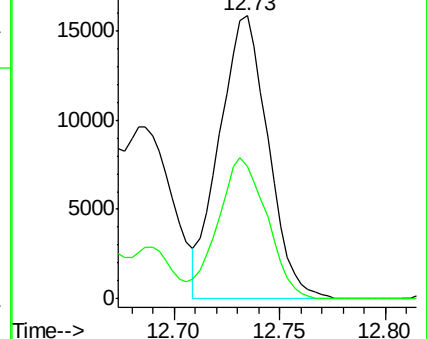
105 100

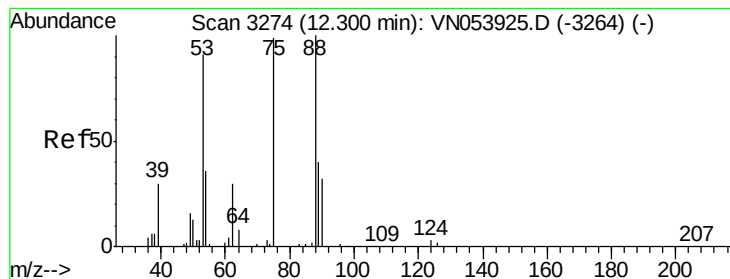
120 50.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 116.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampleId :

Z-3-12-A

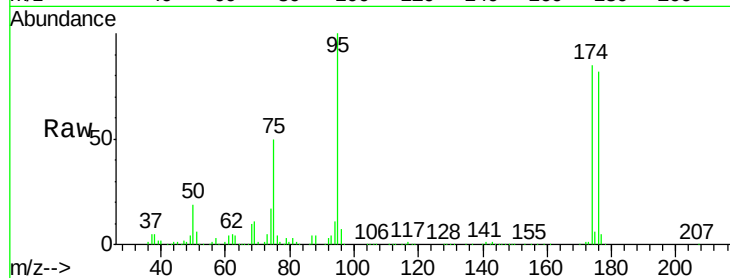
Tot Ion: 75 Resp: 228852

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

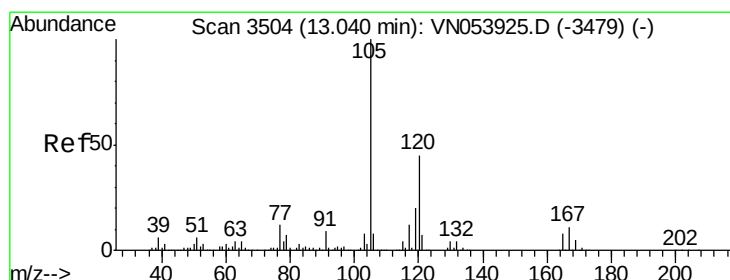
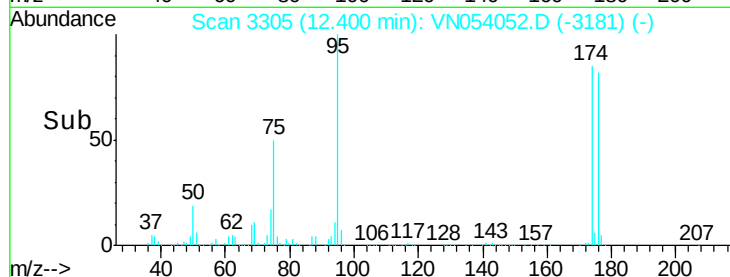
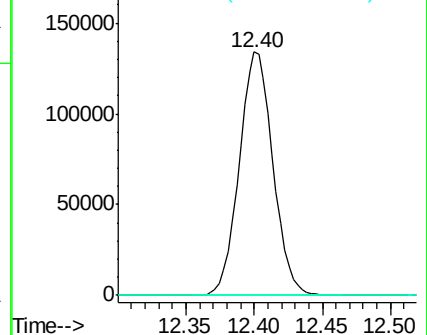
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 3.404 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054052.D

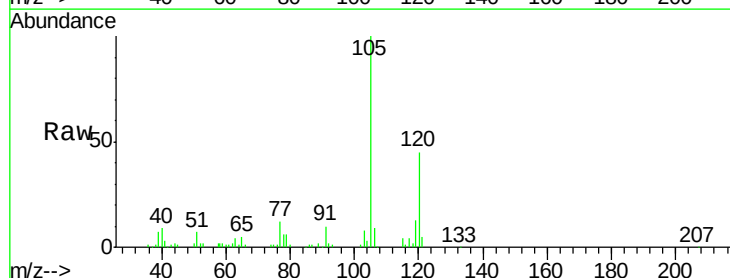
Acq: 2 Mar 2019 1:29

Tgt Ion: 105 Resp: 84038

Ion Ratio Lower Upper

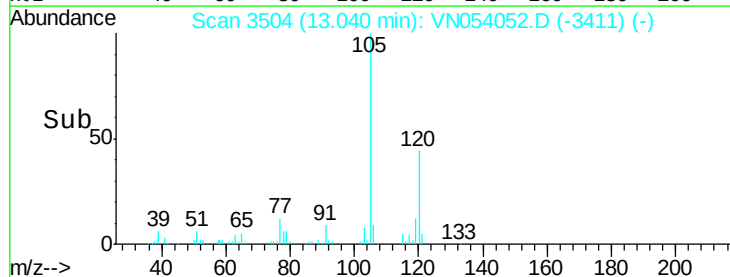
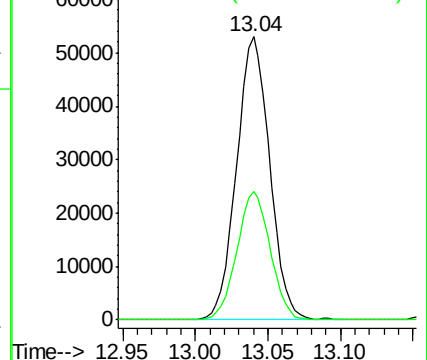
105 100

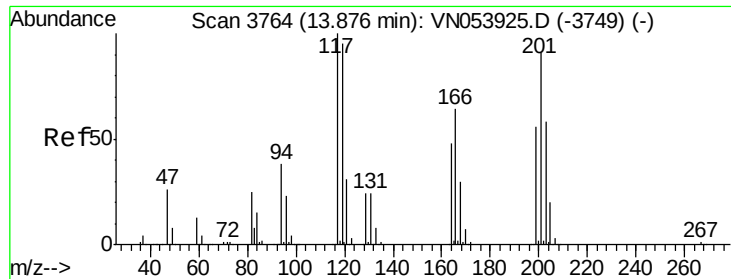
120 45.4 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.314 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Instrument :

MSVOA_N

ClientSampled :

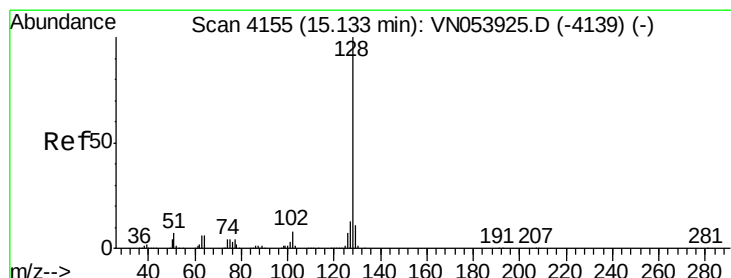
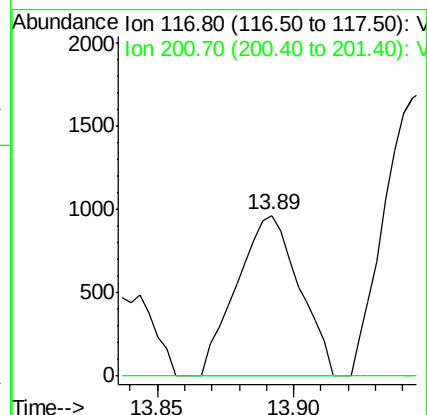
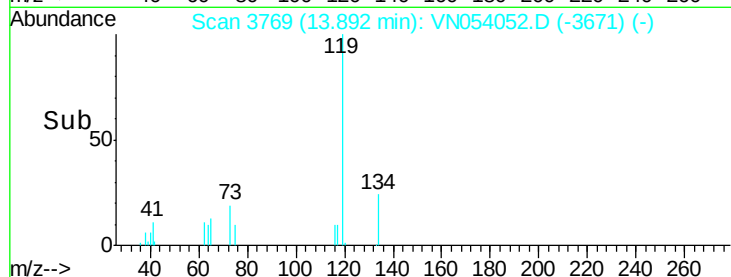
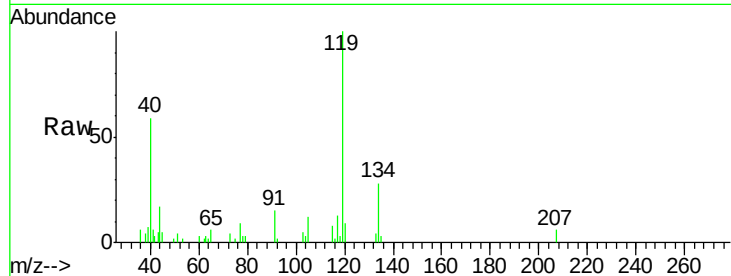
Z-3-12-A

Tot Ion:117 Resp: 1536

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.2#



#95

Naphthalene

Concen: 3.903 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054052.D

Acq: 2 Mar 2019 1:29

Tgt Ion:128 Resp: 11341

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

129 10.7 8.6 12.8

