

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054344.D
 Acq On : 16 Mar 2019 18:35
 Operator : JC/SP
 Sample : K1960-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

Quant Time: Mar 18 04:52:55 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	1880715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2675764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2233022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	968659	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	893855	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
35) Dibromofluoromethane	7.59	113	789798	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
50) Toluene-d8	10.09	98	3073141	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	967366	43.38	ug/l	0.00
Spiked Amount			Recovery	=	86.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	360	1.509	ug/l #	55
11) Tert butyl alcohol	4.82	59	7627	5.570	ug/l #	70
13) Acrolein	3.60	56	367	0.283	ug/l #	14
14) Allyl chloride	4.52	41	19872	0.793	ug/l #	70
15) Acrylonitrile	5.05	53	13341	2.372	ug/l #	37
16) Acetone	3.82	43	52321	9.149	ug/l	96
18) Methyl Acetate	4.58	43	285003	24.633	ug/l #	49
19) Methyl tert-butyl Ether	5.05	73	257815	5.323	ug/l #	1
23) Vinyl Acetate	5.92	43	9438	0.256	ug/l #	70
25) 2-Butanone	6.85	43	6218	0.926	ug/l	93
30) Chloroform	7.32	83	35477	1.058	ug/l #	17
31) Cyclohexane	7.65	56	775131	25.199	ug/l	99
36) 1,1-Dichloropropene	7.67	75	113572	4.609	ug/l #	55
37) Ethyl Acetate	6.85	43	6351	0.449	ug/l #	69
38) Carbon Tetrachloride	7.67	117	153287	5.932	ug/l #	16
39) Methylcyclohexane	9.08	83	884685	29.180	ug/l	99
40) Benzene	8.04	78	82001	1.163	ug/l	99
41) Methacrylonitrile	7.19	41	3400	0.421	ug/l #	1
43) Isopropyl Acetate	8.15	43	33059	1.330	ug/l #	60
47) Bromodichloromethane	9.39	83	14293	0.603	ug/l #	24
48) Methyl methacrylate	9.27	41	56871	4.509	ug/l #	43
49) 1,4-Dioxane	9.19	88	64	0.359	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5985	0.455	ug/l #	60
52) Toluene	10.16	92	37939	0.849	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	213	1.993	ug/l #	47
55) 1,1,2-Trichloroethane	10.53	97	59495	3.644	ug/l #	20
56) Ethyl methacrylate	10.43	69	8244	0.424	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.67	63	2810	17.138	ug/l #	44
67) Ethyl Benzene	11.51	91	143891	1.770	ug/l	99
68) m/p-Xylenes	11.62	106	16527	0.520	ug/l	95
69) o-Xylene	11.95	106	15992	0.516	ug/l	98
71) Bromoform	12.40	173	5475	2.735	ug/l #	1
73) Isopropylbenzene	12.25	105	4219879	54.451	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	80883	5.678	ug/l #	100

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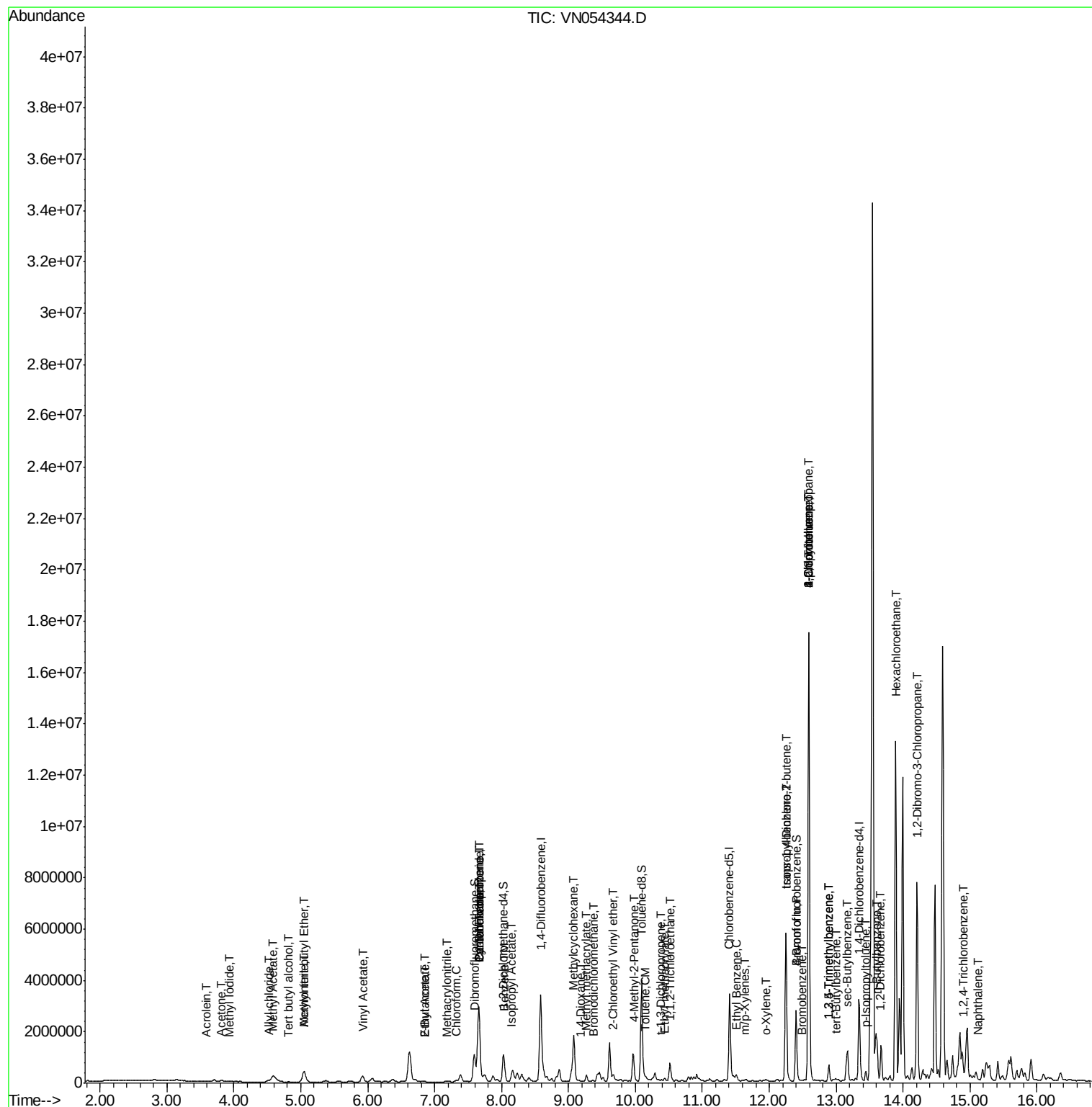
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.49	156	5427	0.265	ug/l #	1
78) n-propylbenzene	12.59	91	14505587	172.498	ug/l	100
79) 2-Chlorotoluene	12.59	91	14505587	286.890	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.89	105	447169	6.937	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.25	75	46076	11.057	ug/l #	67
82) 4-Chlorotoluene	12.59	91	14505587	287.312	ug/l #	39
83) tert-Butylbenzene	12.99	119	54853	0.924	ug/l	96
84) 1,2,4-Trimethylbenzene	12.89	105	447169	7.071	ug/l	78
85) sec-Butylbenzene	13.17	105	776086	10.086	ug/l #	72
86) p-Isopropyltoluene	13.44	119	237087	3.512	ug/l #	77
89) n-Butylbenzene	13.61	91	910335	17.748	ug/l #	76
90) Hexachloroethane	13.89	117	684422	61.229	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	13522	0.400	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.21	75	29530	11.558	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	1158	2.570	ug/l #	1
95) Naphthalene	15.13	128	11199	3.715	ug/l #	69

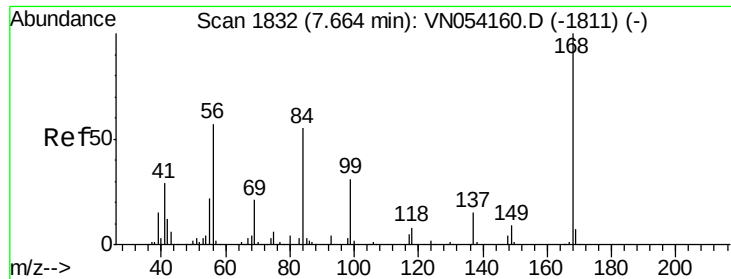
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

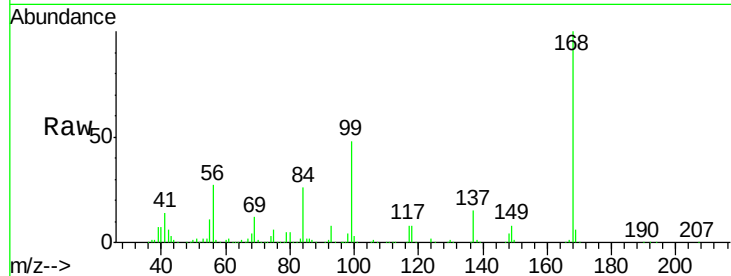
T11-MW-5-9.0-031419

Tot Ion:168 Resp: 1880715

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

800000

600000

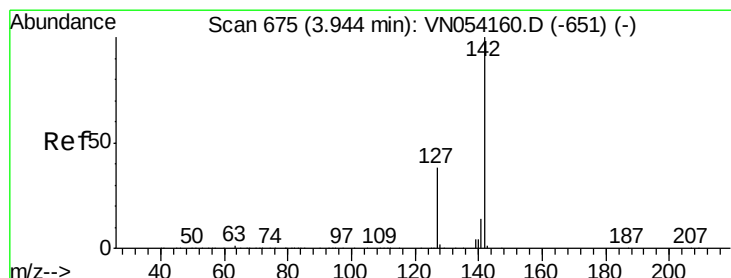
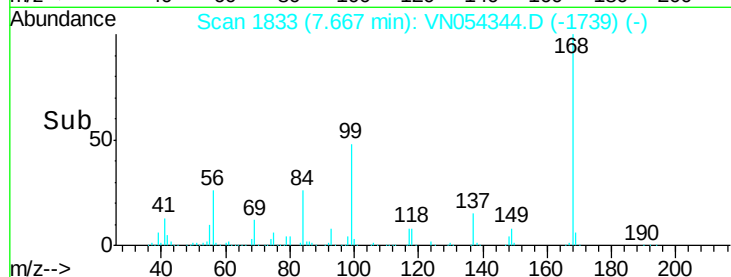
400000

200000

0

Time-->

7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.509 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

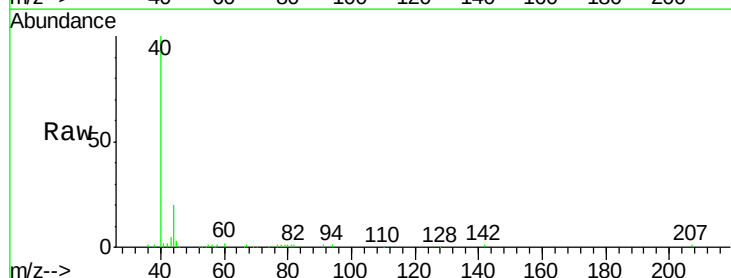
Tgt Ion:142 Resp: 360

Ion Ratio Lower Upper

142 100

127 8.3 30.3 45.5#

141 0.0 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

3.93

400

300

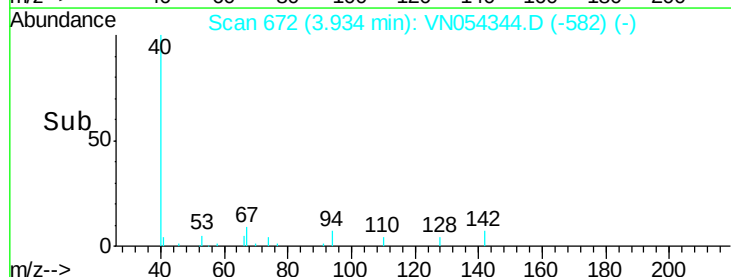
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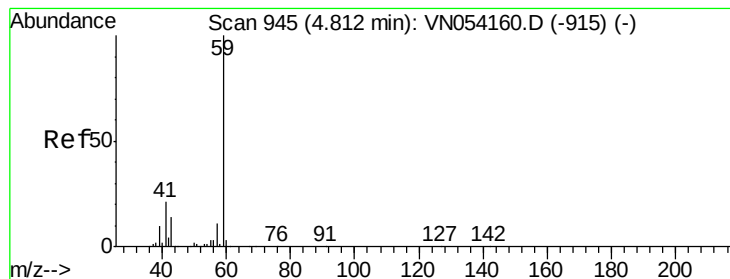
100

0

Time-->

3.92 3.94





#11

Tert butyl alcohol

Concen: 5.570 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.01 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

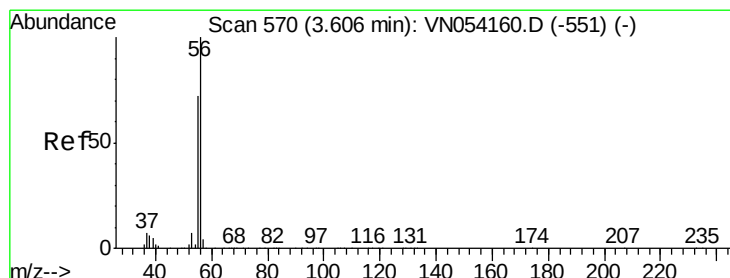
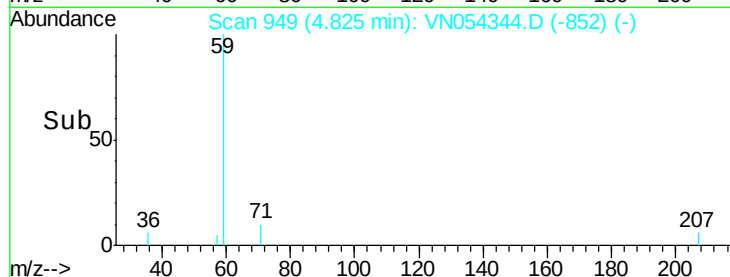
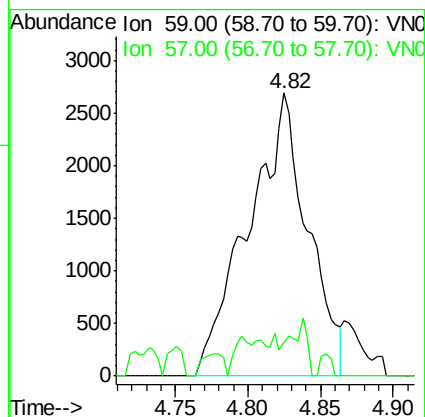
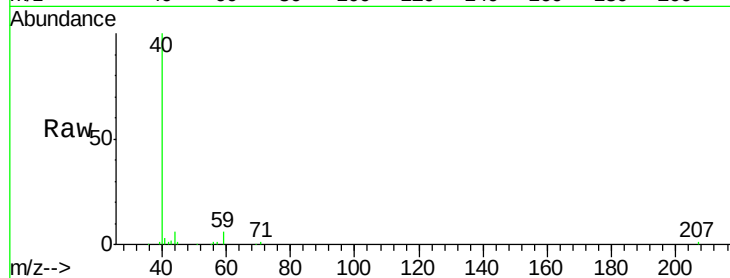
T11-MW-5-9.0-031419

Tot Ion: 59 Resp: 7627

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



#13

Acrolein

Concen: 0.283 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054344.D

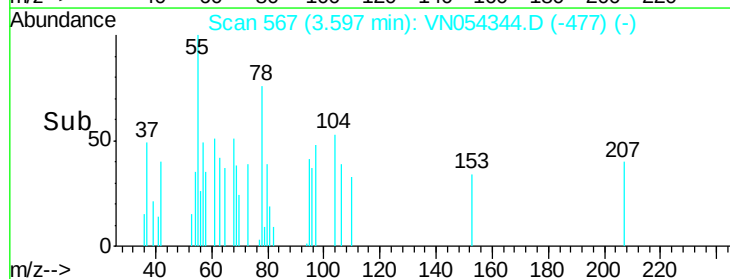
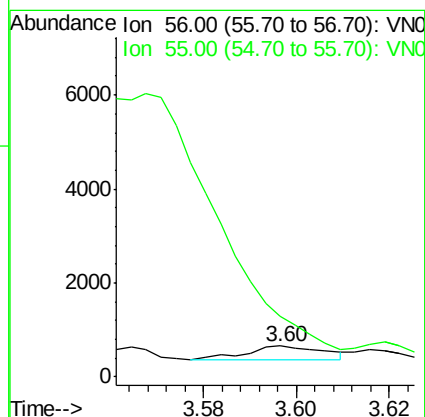
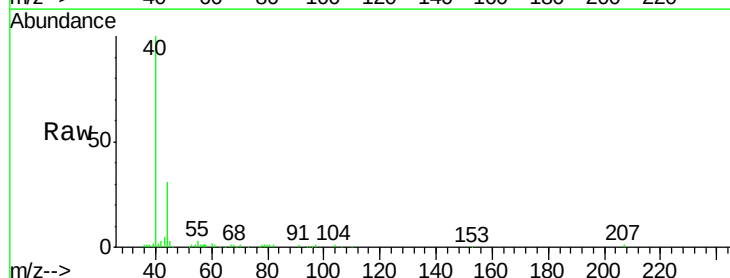
Acq: 16 Mar 2019 18:35

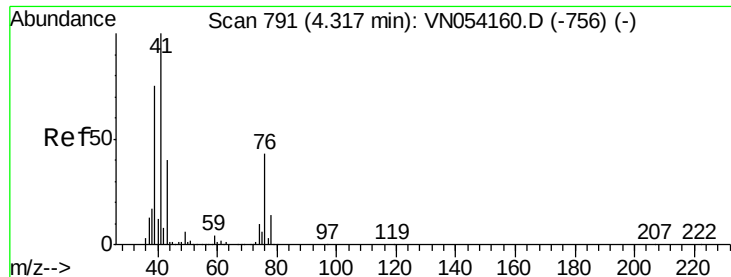
Tgt Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#

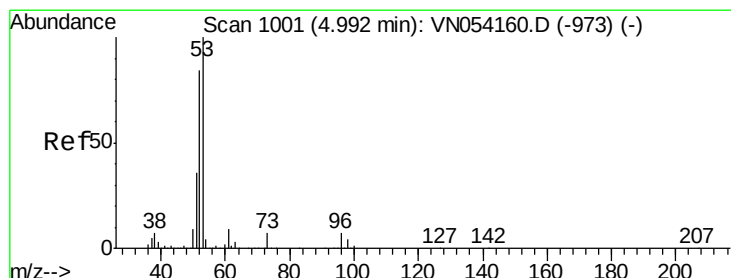
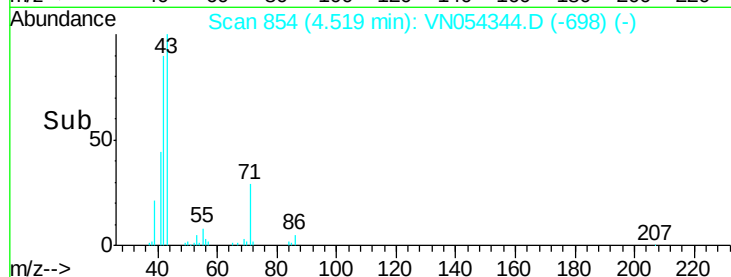
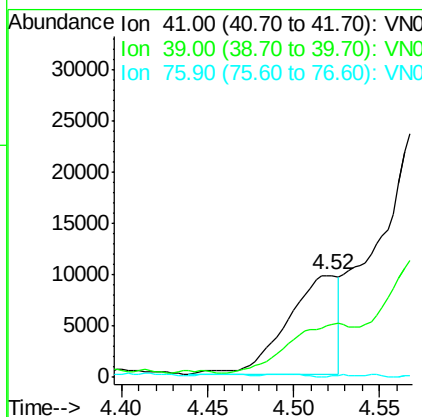
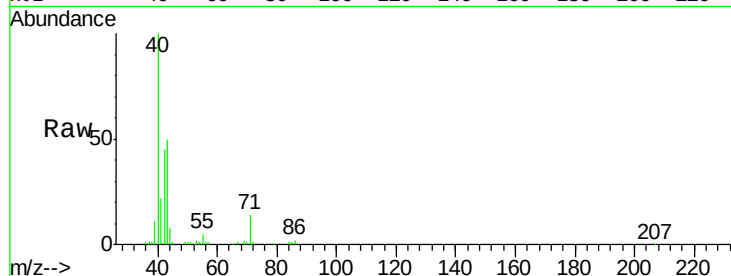




#14
 Allvl chloride
 Concen: 0.793 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. 0.20 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

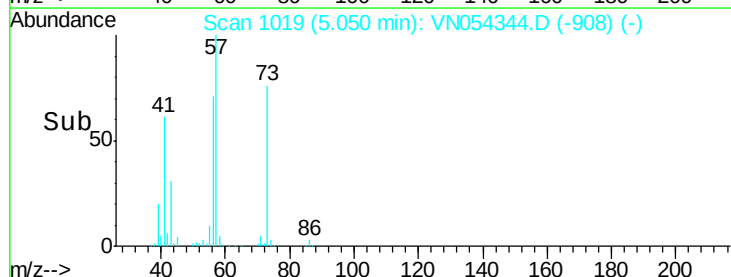
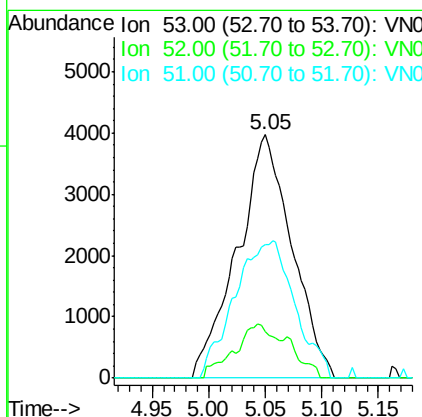
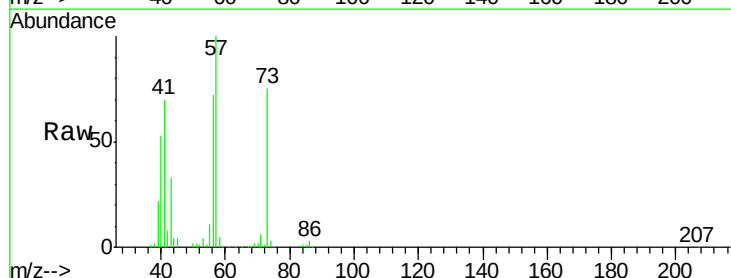
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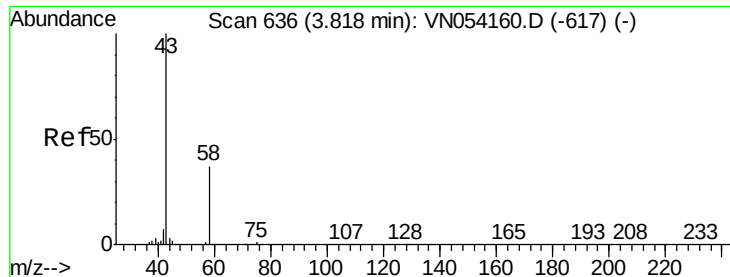
Tot Ion: 41 Resp: 19872
 Ion Ratio Lower Upper
 41 100
 39 62.0 58.2 87.4
 76 1.1 31.7 47.5#



#15
 Acrylonitrile
 Concen: 2.372 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.06 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Tgt Ion: 53 Resp: 13341
 Ion Ratio Lower Upper
 53 100
 52 17.4 66.4 99.6#
 51 61.9 29.6 44.4#





#16

Acetone

Concen: 9.149 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

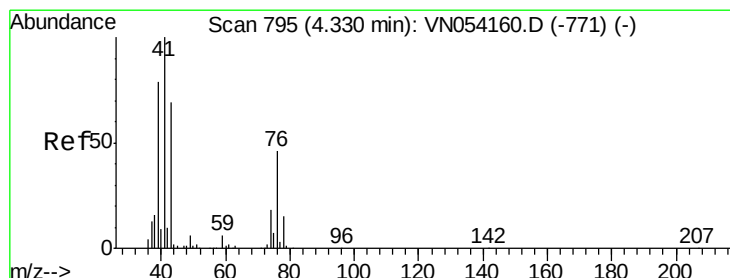
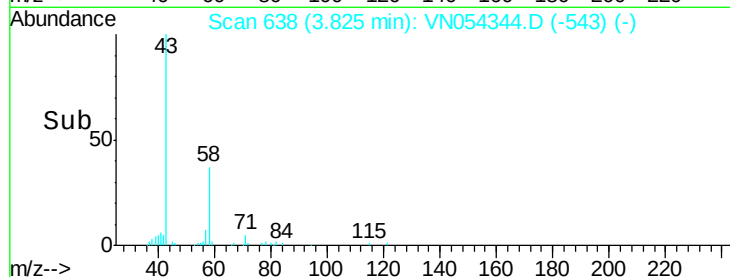
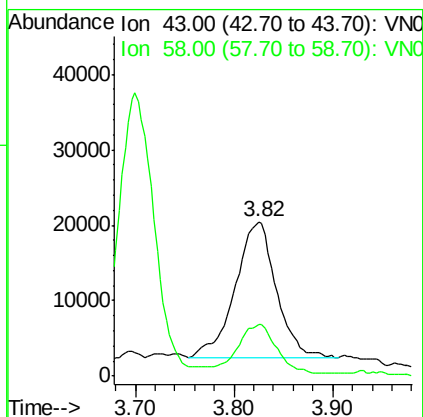
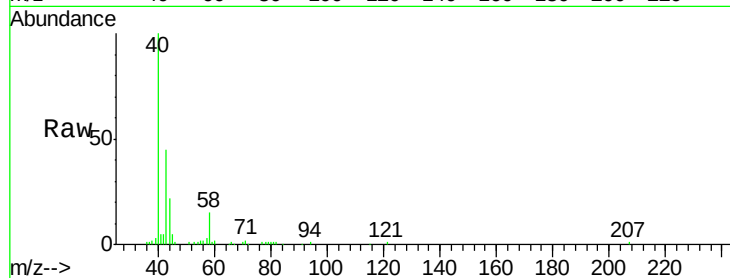
T11-MW-5-9.0-031419

Tot Ion: 43 Resp: 52321

Ion Ratio Lower Upper

43 100

58 35.0 29.9 44.9



#18

Methyl Acetate

Concen: 24.633 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.25 min

Lab File: VN054344.D

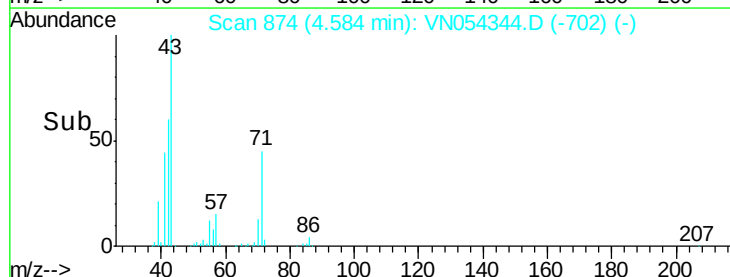
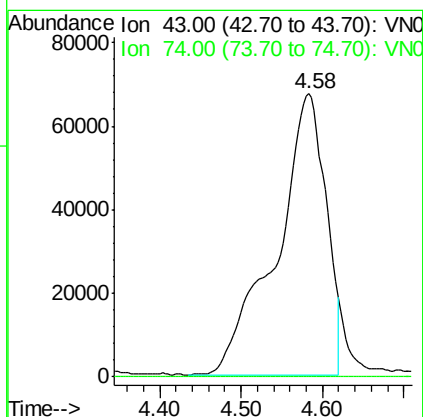
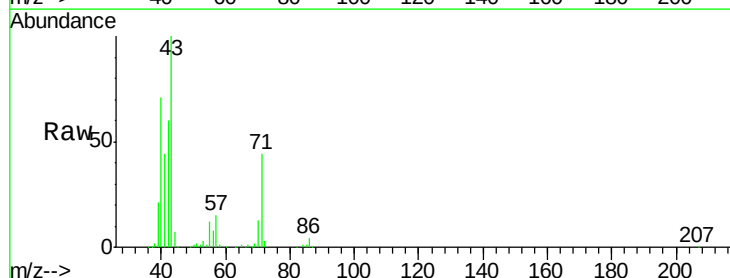
Acq: 16 Mar 2019 18:35

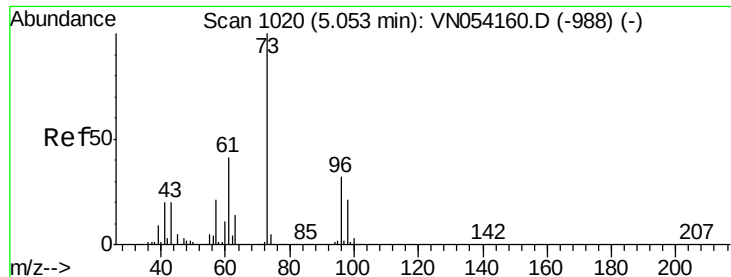
Tgt Ion: 43 Resp: 285003

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#

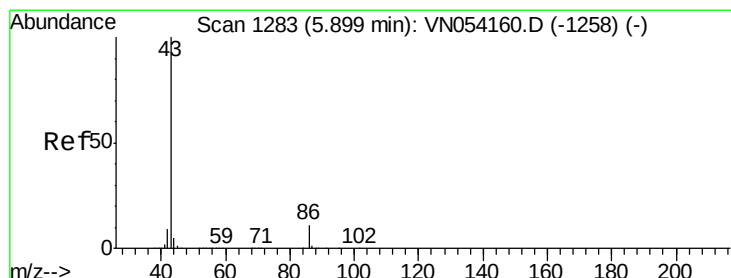
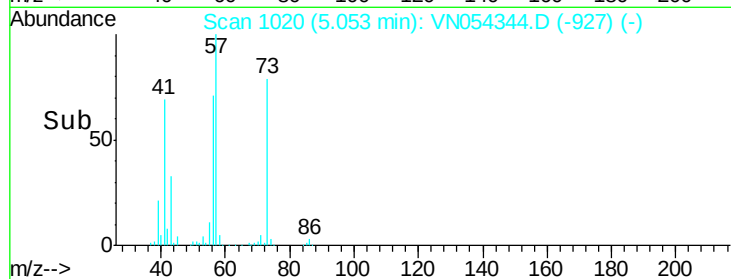
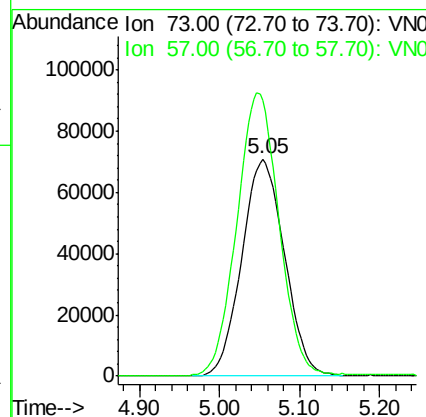
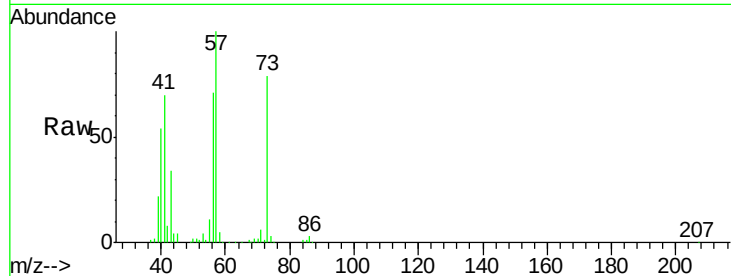




#19
Methyl tert-butyl Ether
Concen: 5.323 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

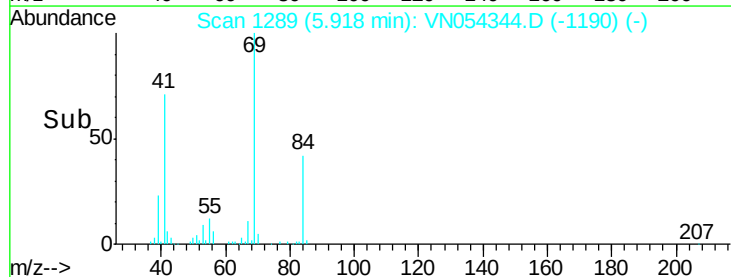
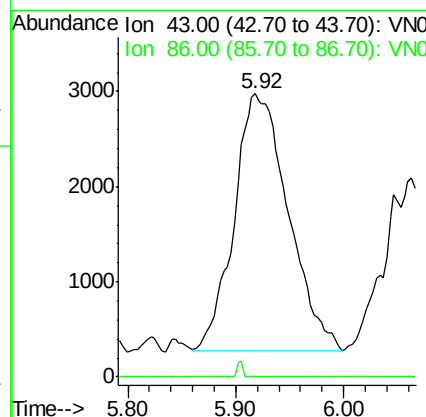
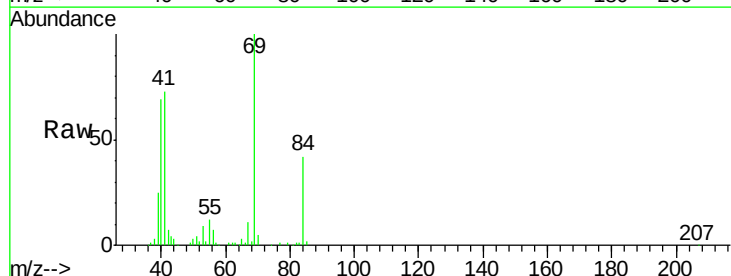
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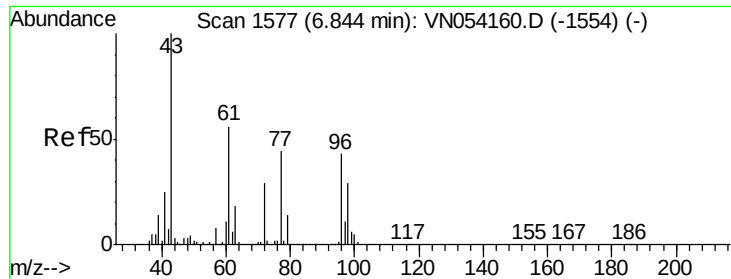
Tot Ion: 73 Resp: 257815
Ion Ratio Lower Upper
73 100
57 126.7 16.8 25.2#



#23
Vinyl Acetate
Concen: 0.256 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.02 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

Tgt Ion: 43 Resp: 9438
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#





#25

2-Butanone

Concen: 0.926 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

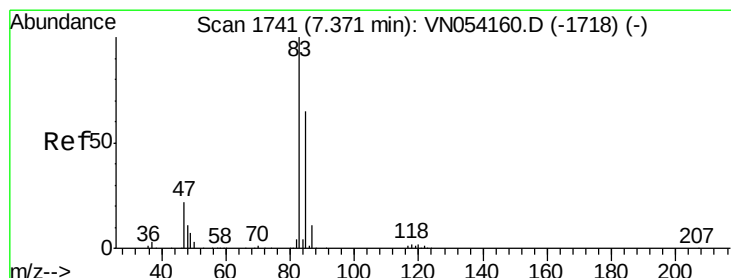
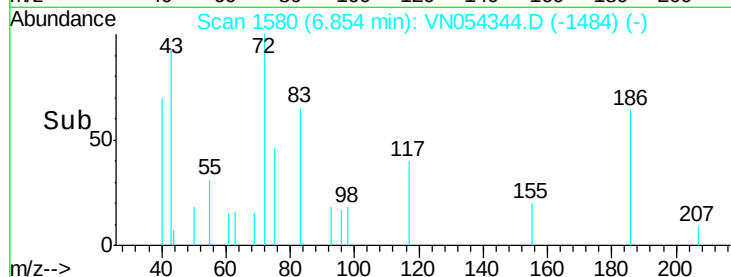
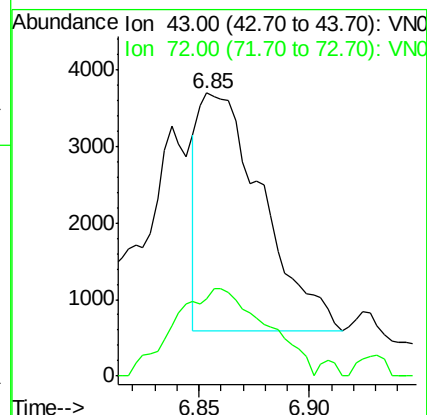
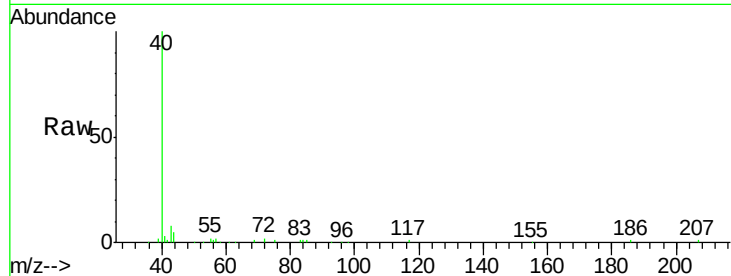
T11-MW-5-9.0-031419

Tot Ion: 43 Resp: 6218

Ion Ratio Lower Upper

43 100

72 32.6 23.0 34.6



#30

Chloroform

Concen: 1.058 ug/l

RT: 7.32 min Scan# 1726

Delta R.T. -0.05 min

Lab File: VN054344.D

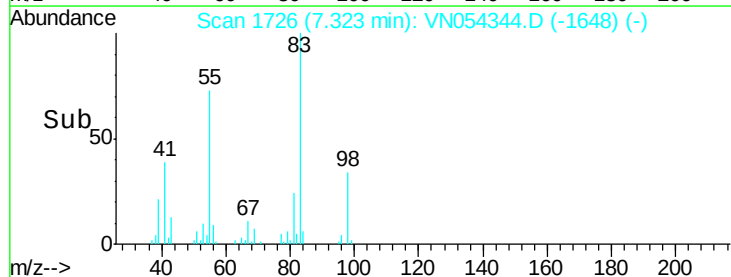
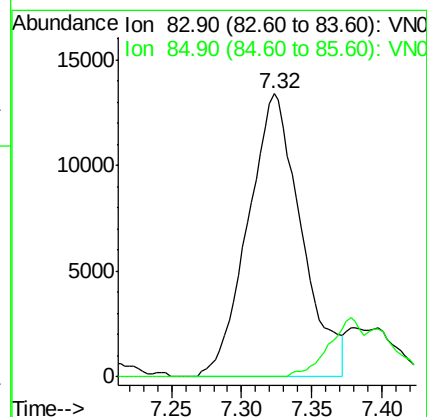
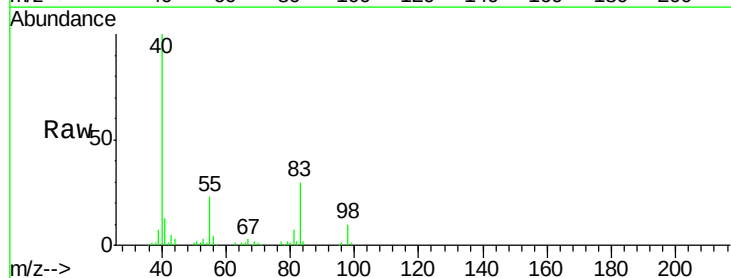
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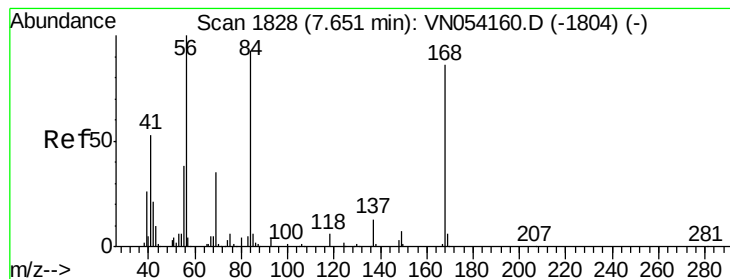
Tgt Ion: 83 Resp: 35477

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#





#31

Cyclohexane

Concen: 25.199 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

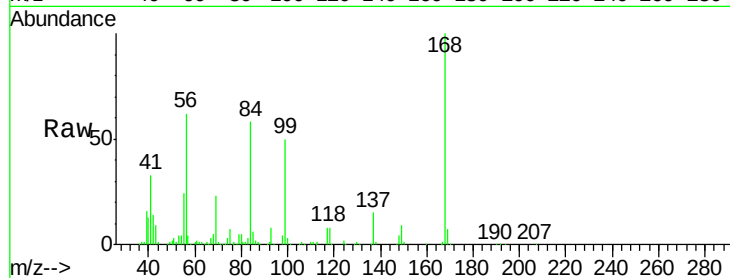
Tot Ion: 56 Resp: 775131

Ion Ratio Lower Upper

56 100

69 35.8 27.8 41.6

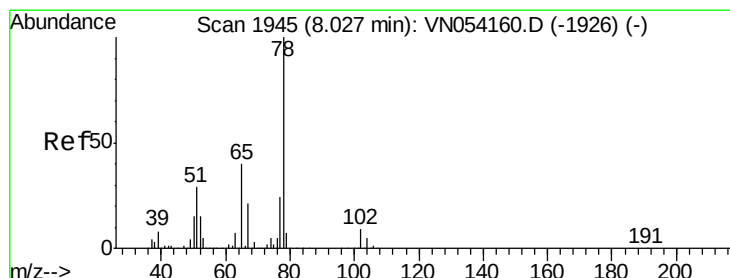
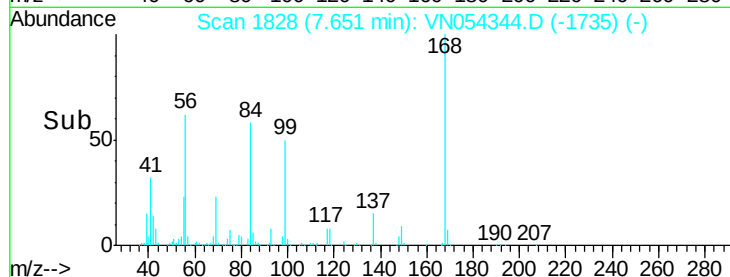
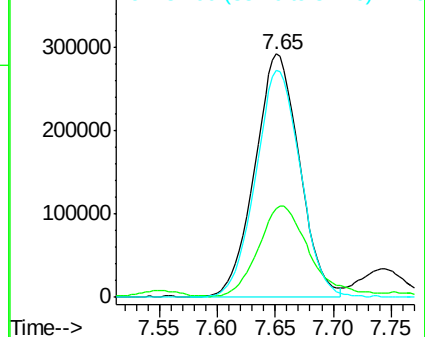
84 93.5 74.6 111.8



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: 44.753 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054344.D

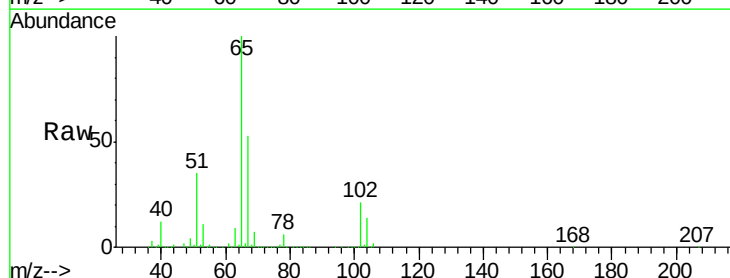
Acq: 16 Mar 2019 18:35

Tgt Ion: 65 Resp: 893855

Ion Ratio Lower Upper

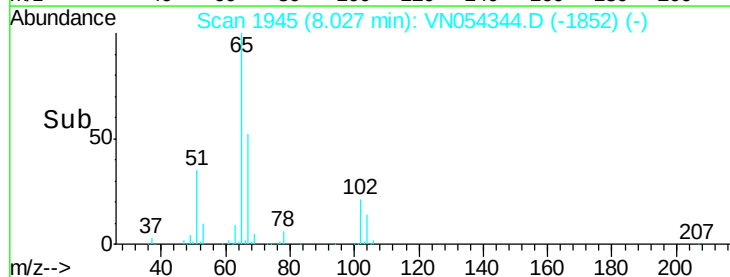
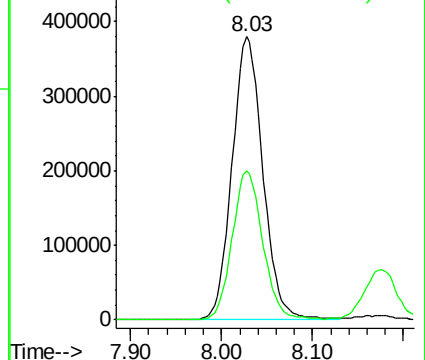
65 100

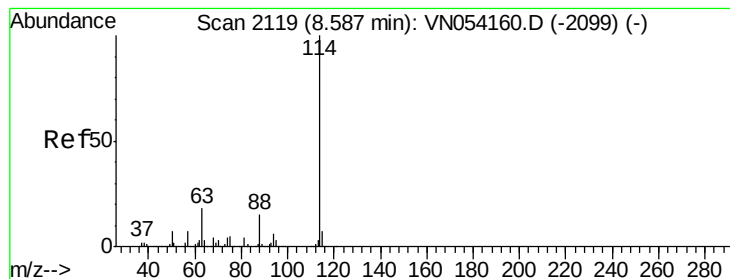
67 51.8 0.0 104.6



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: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

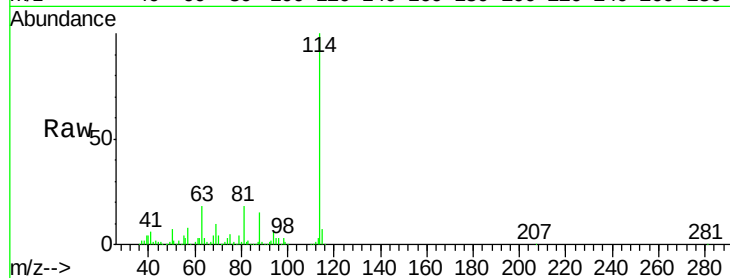
Tot Ion:114 Resp: 2675764

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

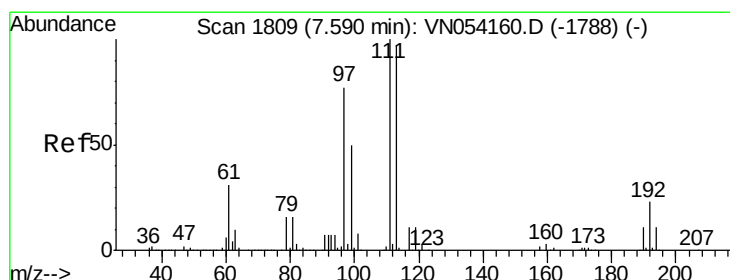
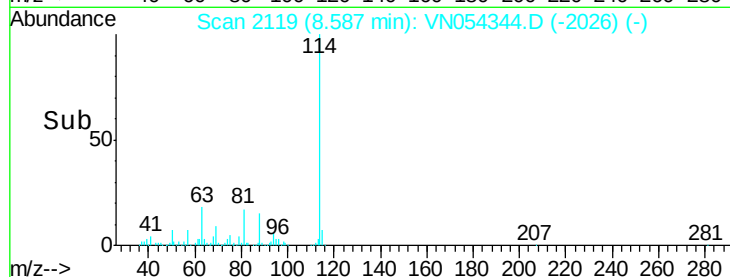
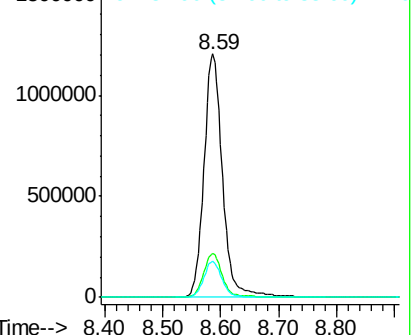
88 14.7 0.0 30.2



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: 45.765 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

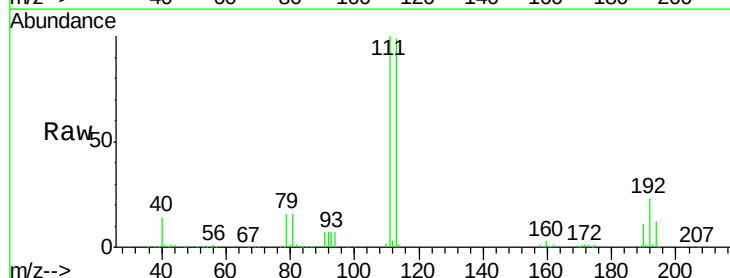
Tgt Ion:113 Resp: 789798

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

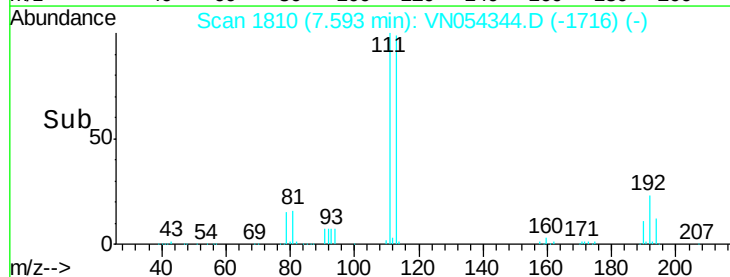
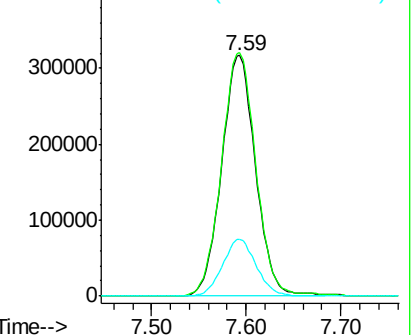
192 23.7 19.2 28.8

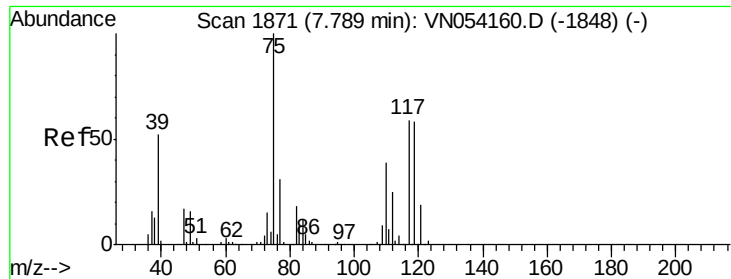


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.609 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

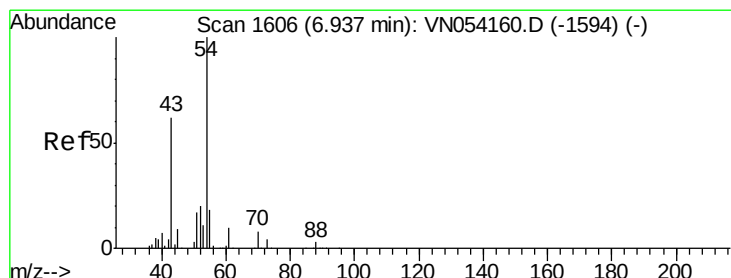
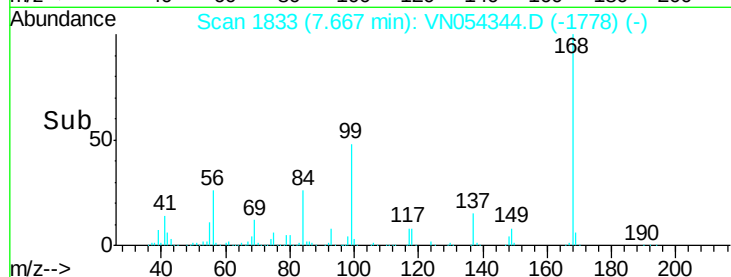
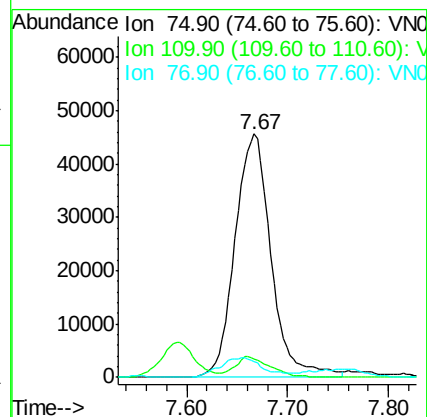
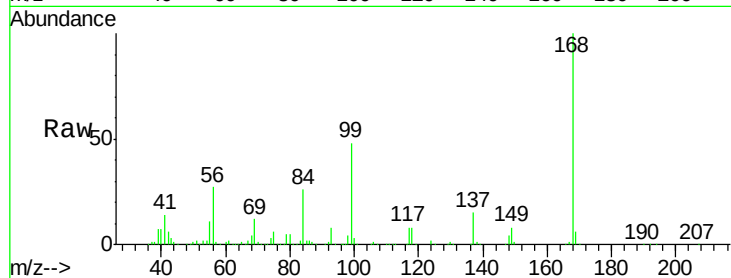
Tot Ion: 75 Resp: 113572

Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.5#

77 9.8 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.449 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. -0.08 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

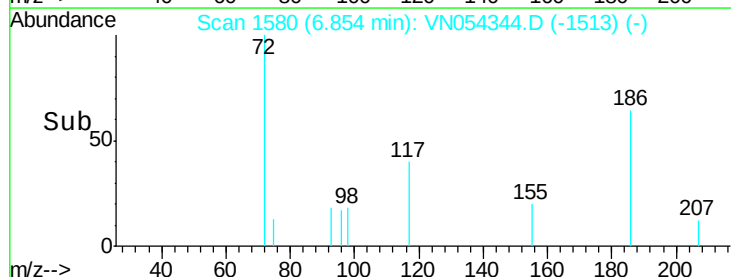
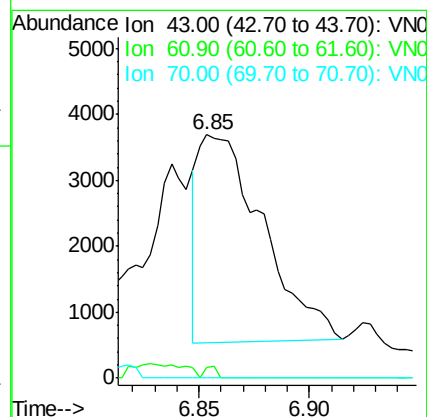
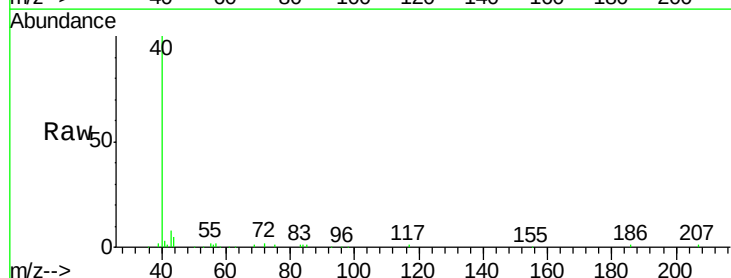
Tgt Ion: 43 Resp: 6351

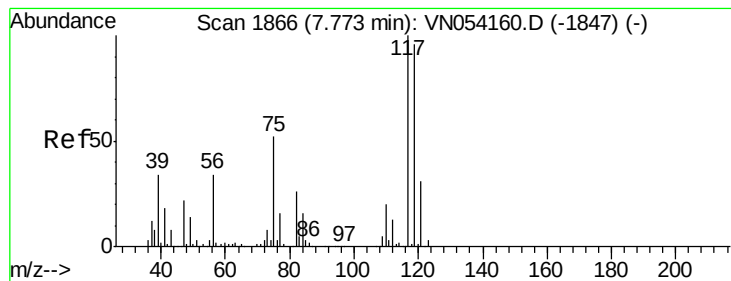
Ion Ratio Lower Upper

43 100

61 1.0 11.8 17.6#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 5.932 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

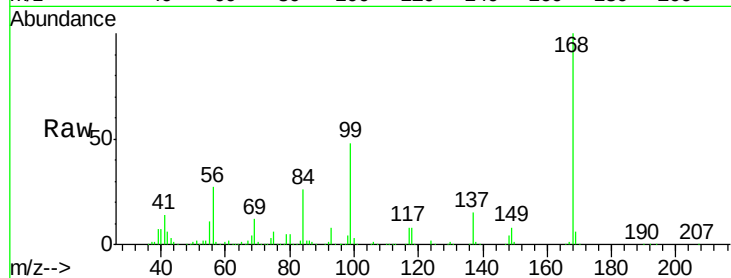
Tot Ion:117 Resp: 153287

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

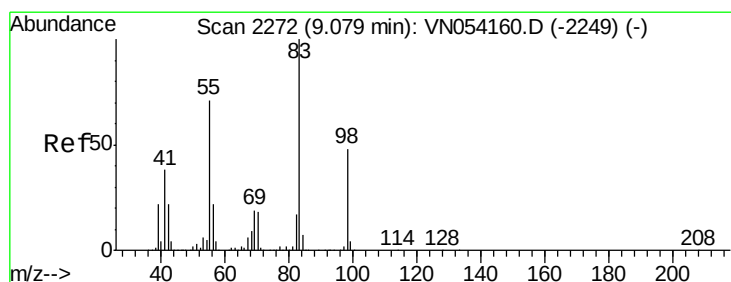
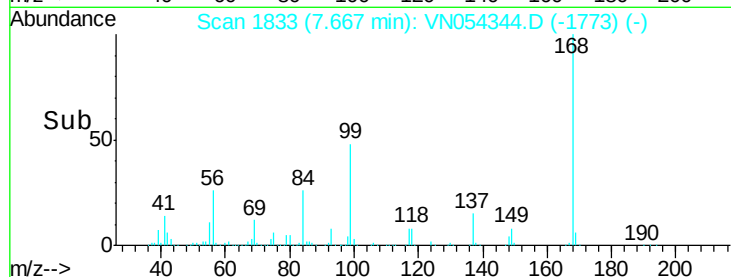
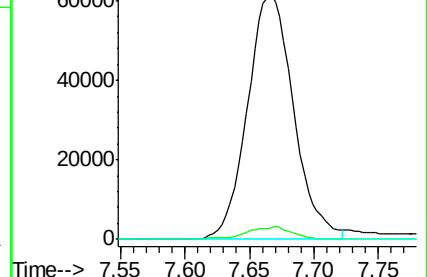
121 0.0 24.6 36.8#



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: 29.180 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

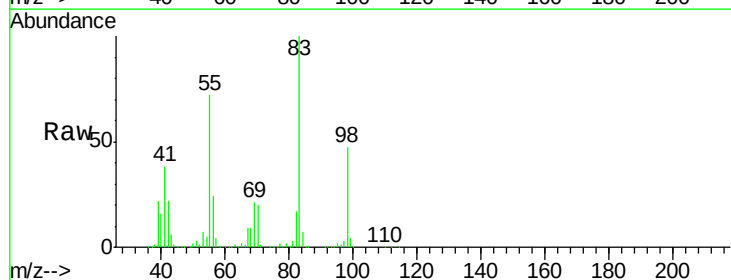
Tgt Ion: 83 Resp: 884685

Ion Ratio Lower Upper

83 100

55 71.9 56.6 84.8

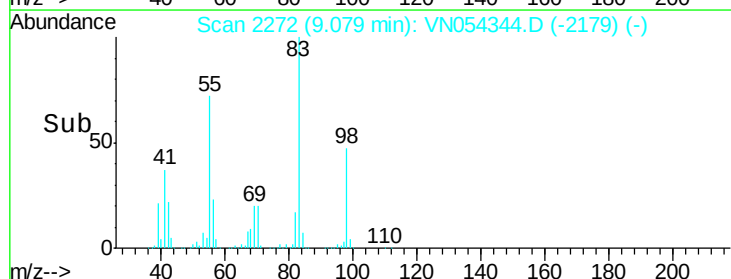
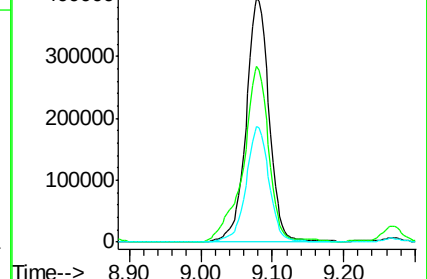
98 47.5 38.4 57.6

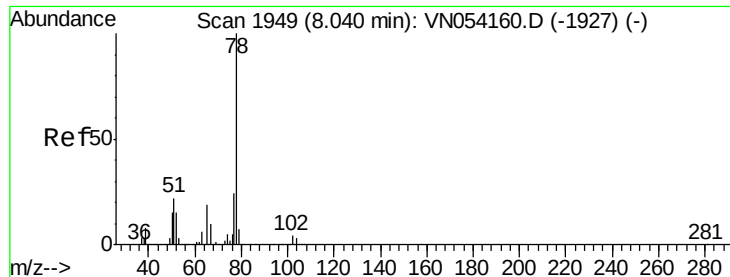


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 1.163 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

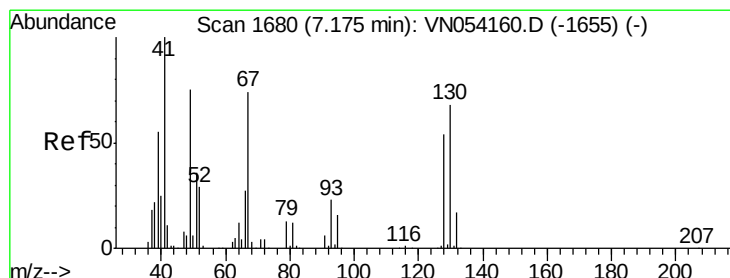
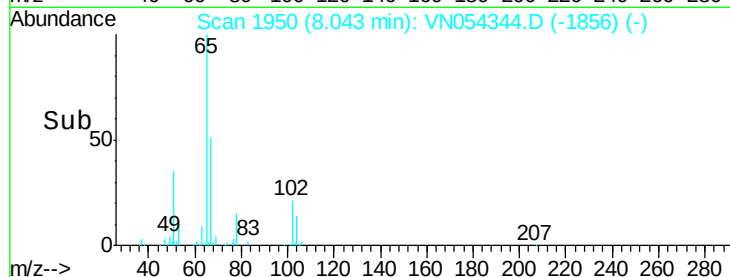
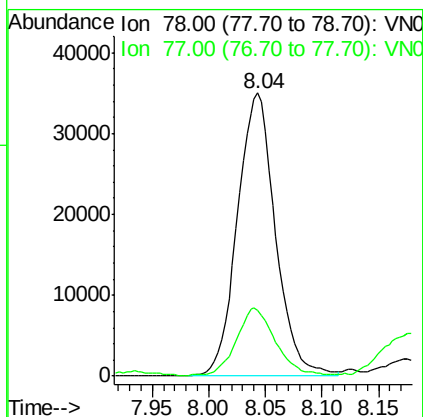
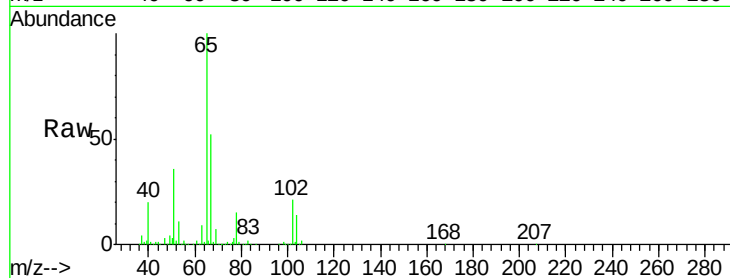
T11-MW-5-9.0-031419

Tot Ion: 78 Resp: 82001

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7



#41

Methacrylonitrile

Concen: 0.421 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Tgt Ion: 41 Resp: 3400

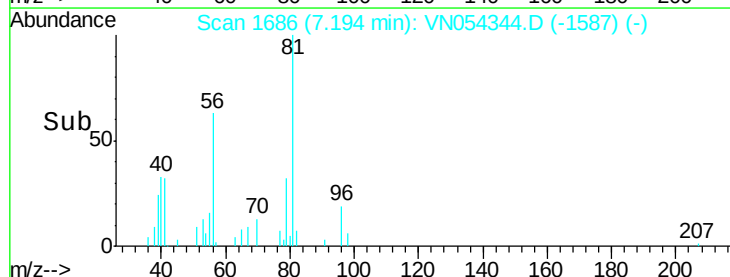
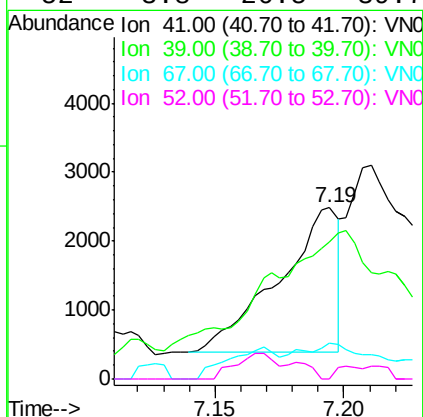
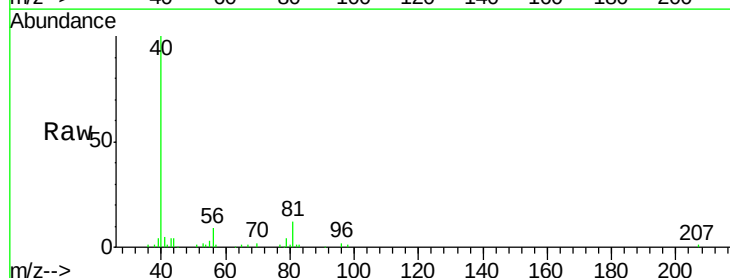
Ion Ratio Lower Upper

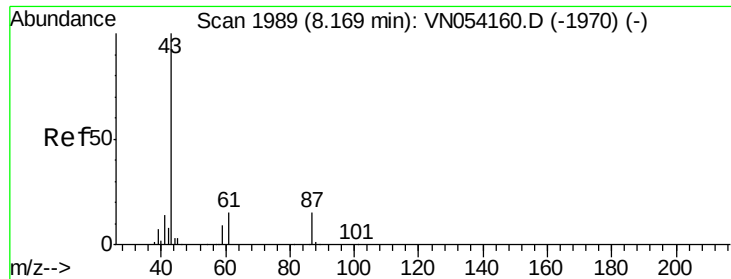
41 100

39 188.3 46.8 70.2#

67 0.0 67.0 100.4#

52 3.8 26.5 39.7#





#43

Isopropyl Acetate

Concen: 1.330 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

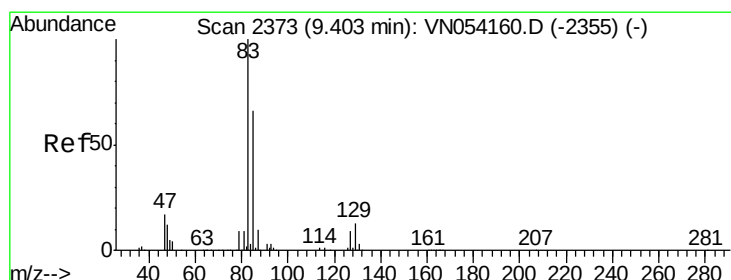
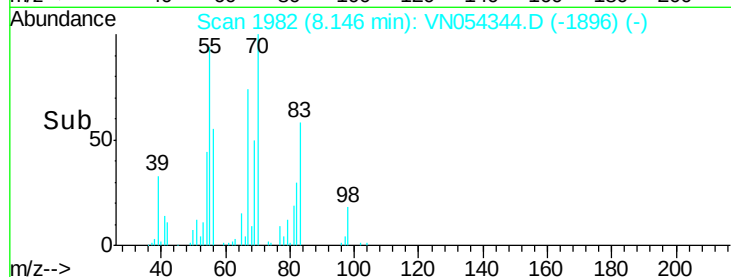
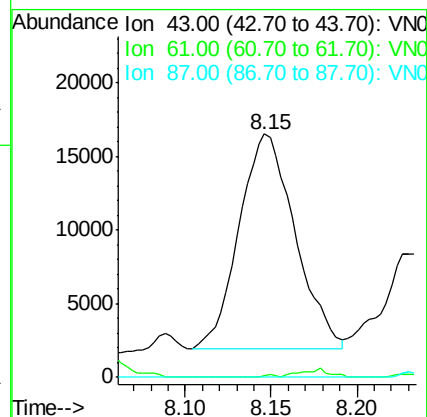
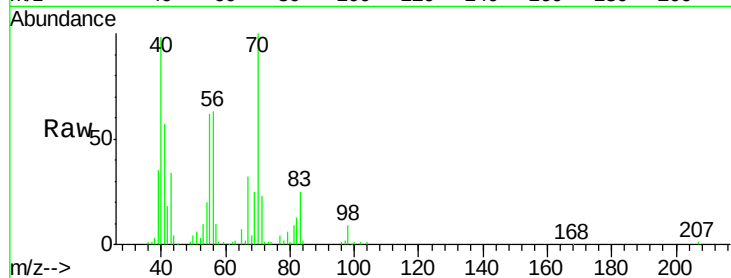
Tot Ion: 43 Resp: 33059

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#47

Bromodichloromethane

Concen: 0.603 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

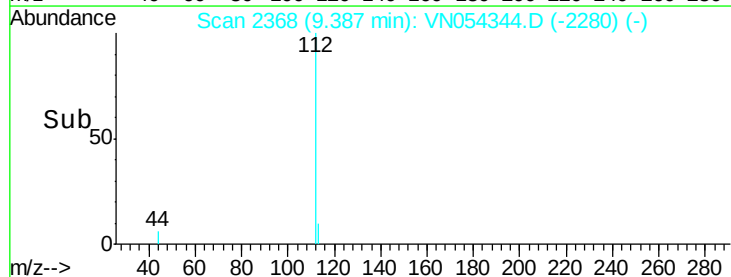
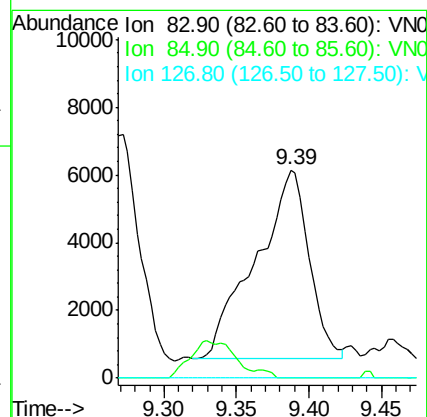
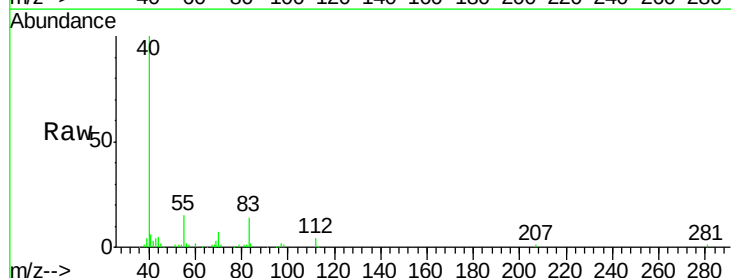
Tgt Ion: 83 Resp: 14293

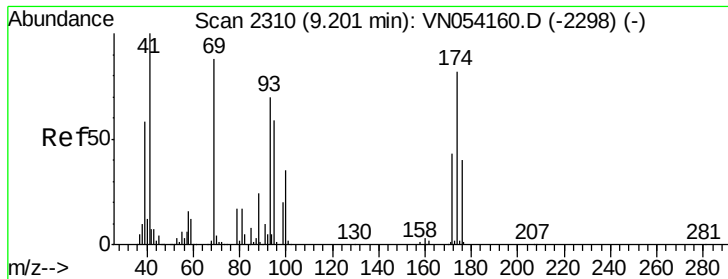
Ion Ratio Lower Upper

83 100

85 0.0 52.8 79.2#

127 0.0 7.4 11.2#

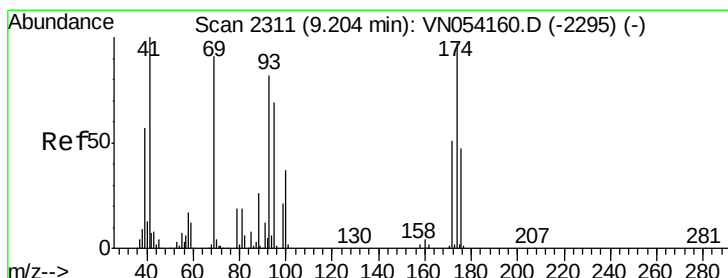
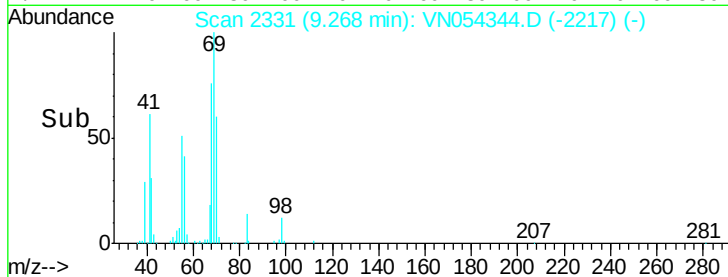
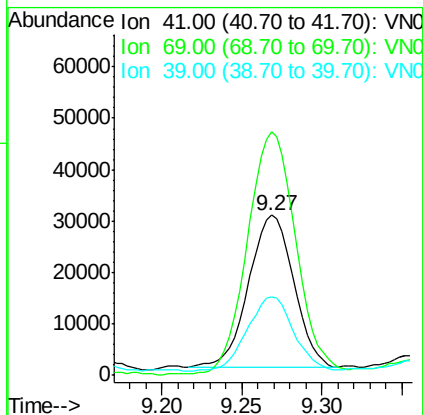
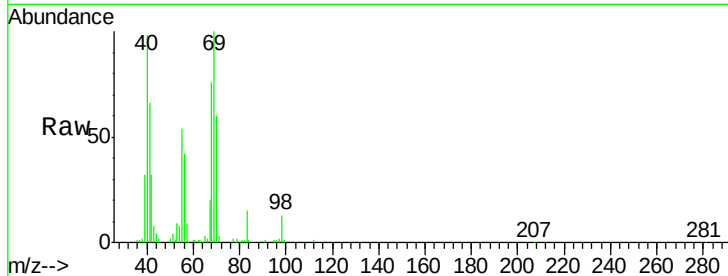




#48
Methvl methacrylate
Concen: 4.509 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

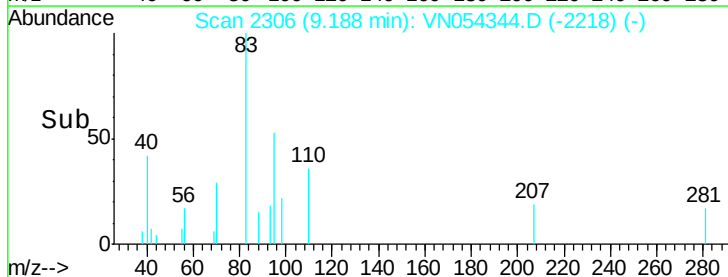
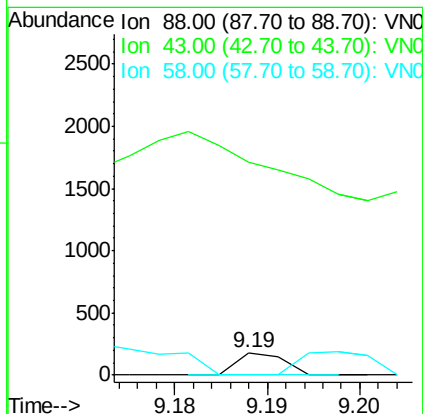
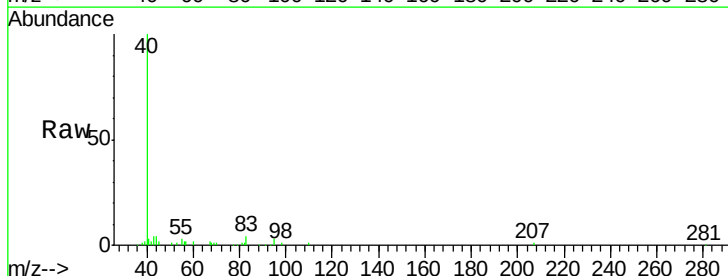
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

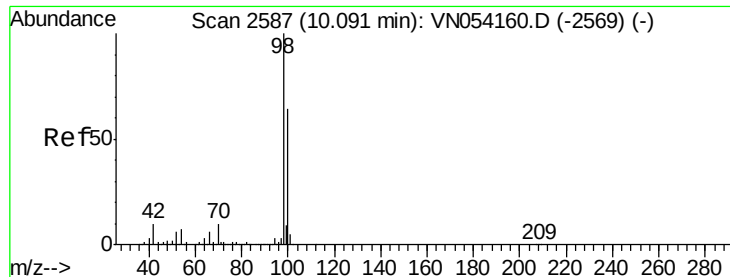
Tot Ion: 41 Resp: 56871
Ion Ratio Lower Upper
41 100
69 172.6 72.6 108.8#
39 50.0 47.5 71.3



#49
1,4-Dioxane
Concen: 0.359 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.02 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 159.4 50.8 76.2#





#50

Toluene-d8

Concen: 48.218 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

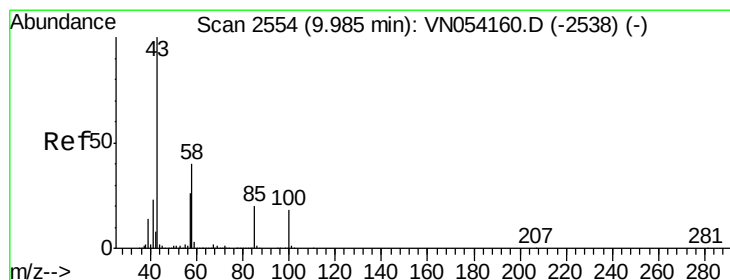
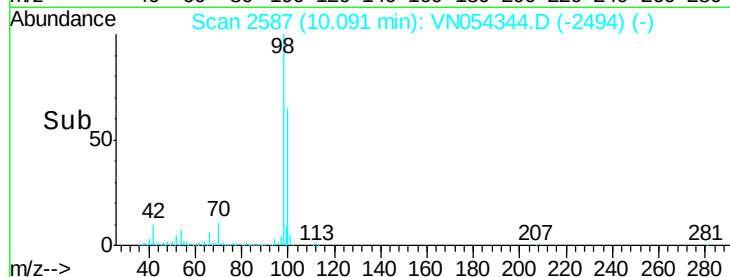
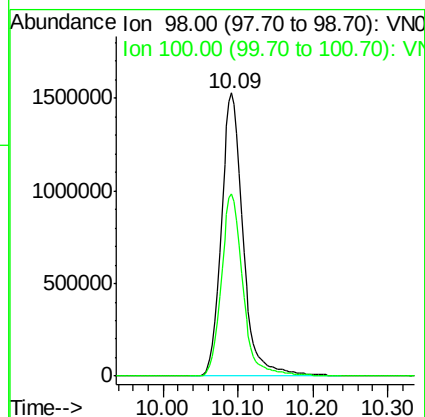
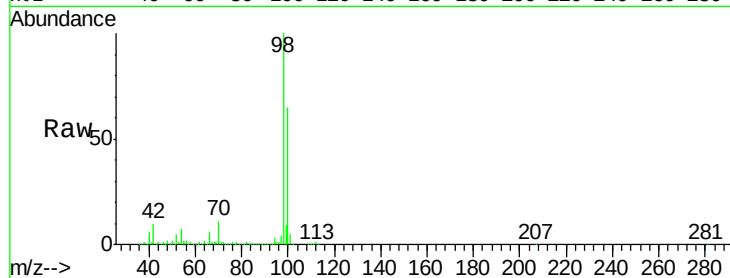
T11-MW-5-9.0-031419

Tot Ion: 98 Resp: 3073141

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.455 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054344.D

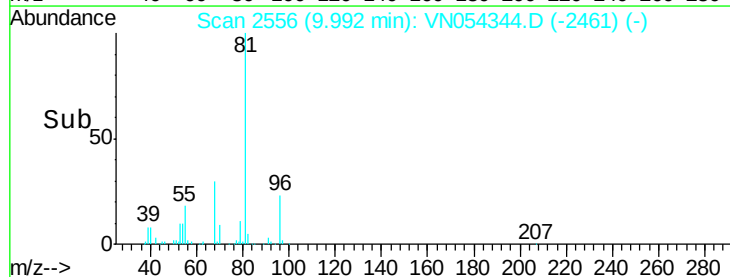
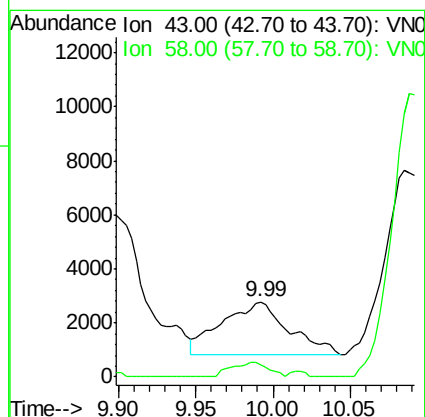
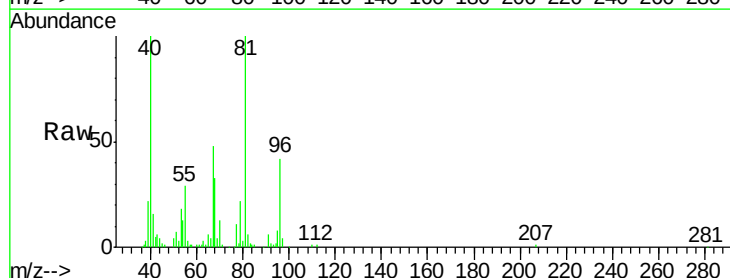
Acq: 16 Mar 2019 18:35

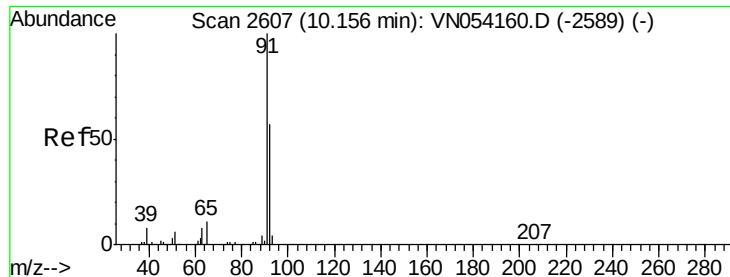
Tgt Ion: 43 Resp: 5985

Ion Ratio Lower Upper

43 100

58 14.8 31.8 47.6#





#52

Toluene

Concen: 0.849 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

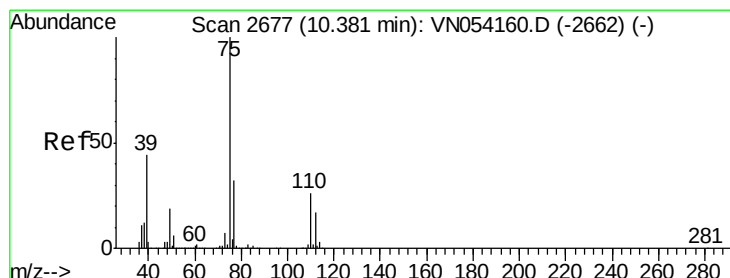
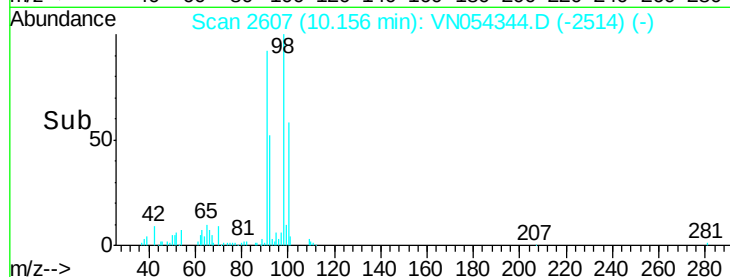
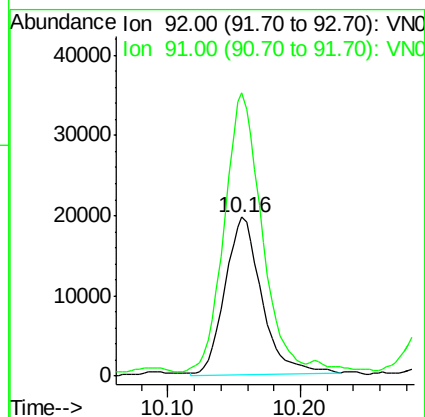
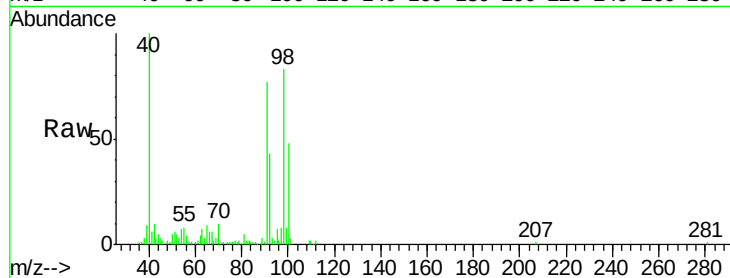
T11-MW-5-9.0-031419

Tot Ion: 92 Resp: 37939

Ion Ratio Lower Upper

92 100

91 177.1 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN054344.D

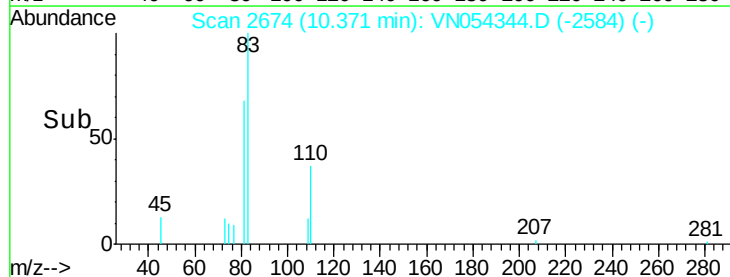
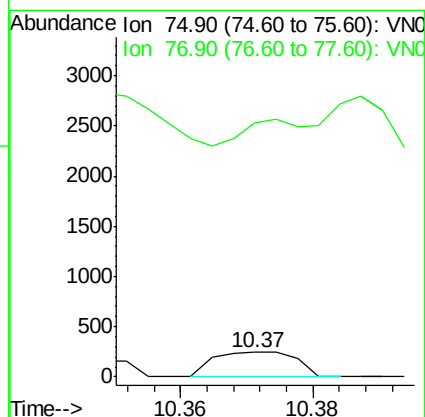
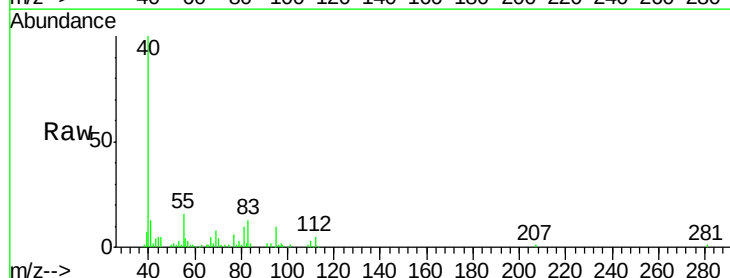
Acq: 16 Mar 2019 18:35

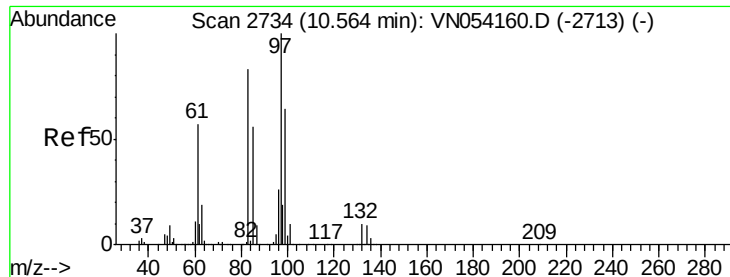
Tgt Ion: 75 Resp: 213

Ion Ratio Lower Upper

75 100

77 62.0 25.8 38.8#

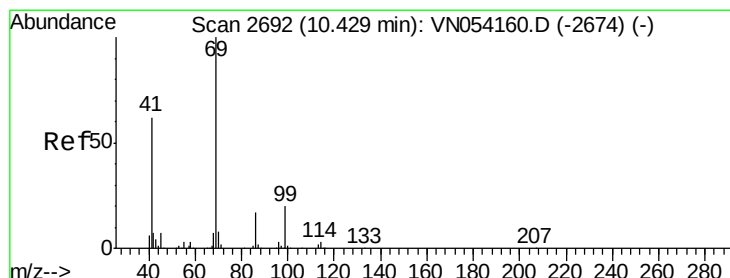
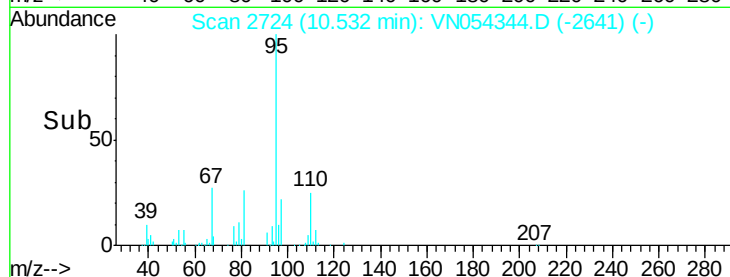
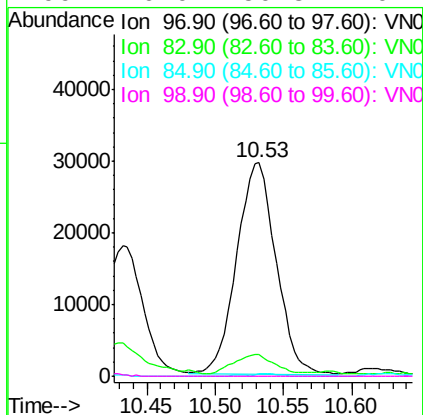
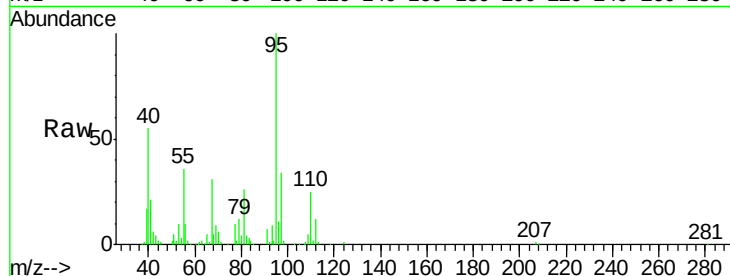




#55
 1,1,2-Trichloroethane
 Concen: 3.644 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

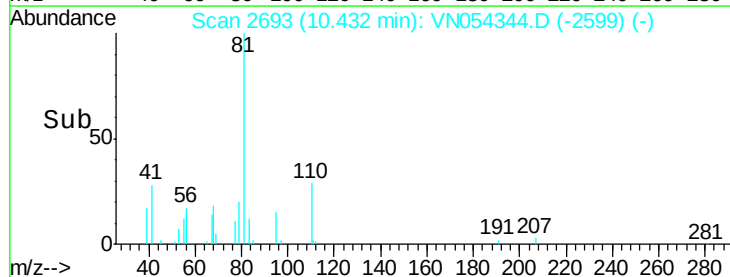
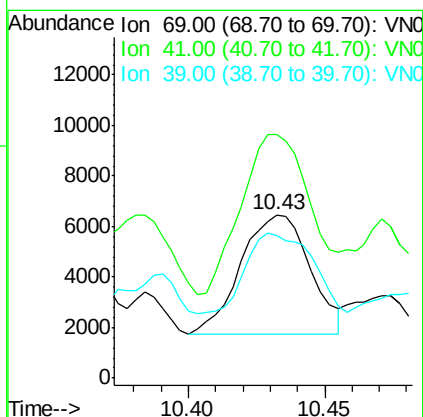
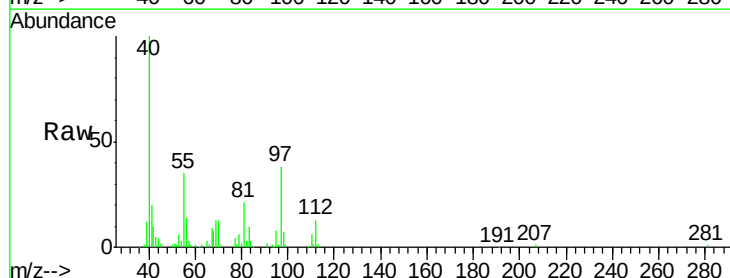
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

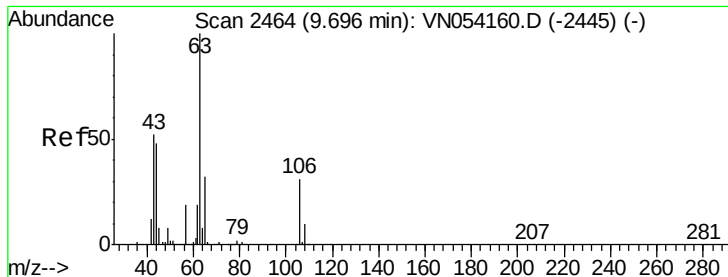
Tot Ion: 97 Resp: 59495
 Ion Ratio Lower Upper
 97 100
 83 8.1 66.6 100.0#
 85 0.9 44.4 66.6#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 0.424 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Tgt Ion: 69 Resp: 8244
 Ion Ratio Lower Upper
 69 100
 41 134.9 49.4 74.2#
 39 65.0 28.3 42.5#





#58

2-Chloroethyl Vinyl ether

Concen: 17.138 ug/l

RT: 9.67 min Scan# 2457

Delta R.T. -0.02 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

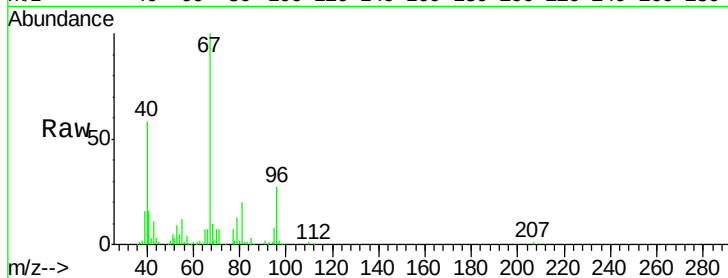
T11-MW-5-9.0-031419

Tot Ion: 63 Resp: 2810

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)

10000

8000

6000

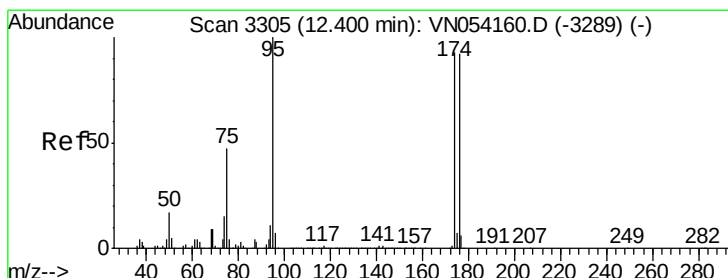
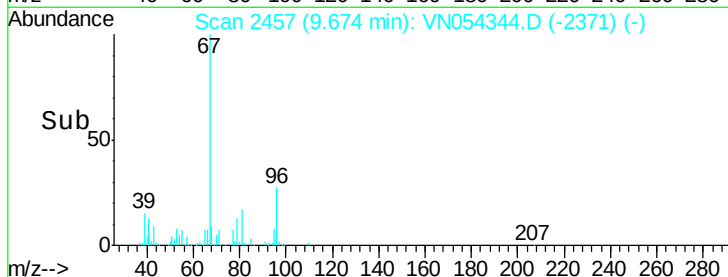
4000

2000

0

9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 43.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

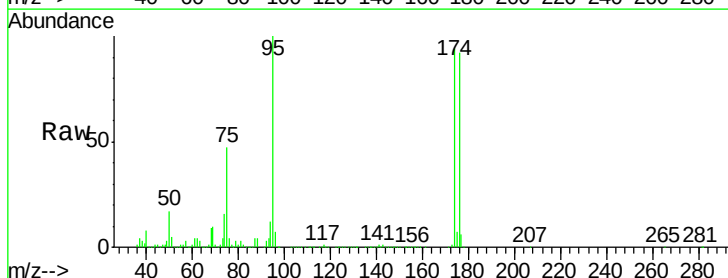
Tgt Ion: 95 Resp: 967366

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

176 93.3 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) (-)

600000

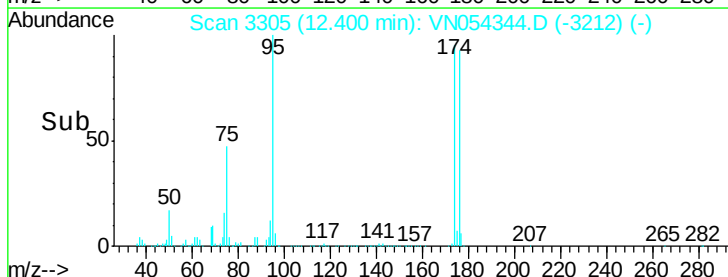
400000

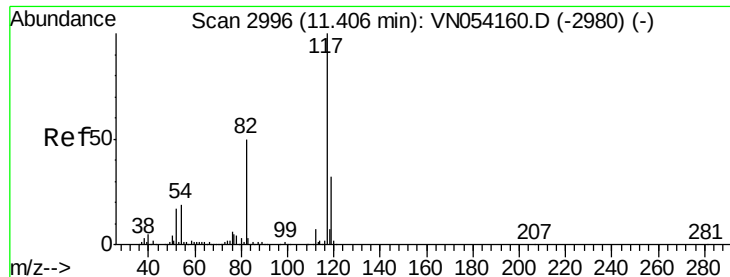
200000

0

12.30 12.40 12.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

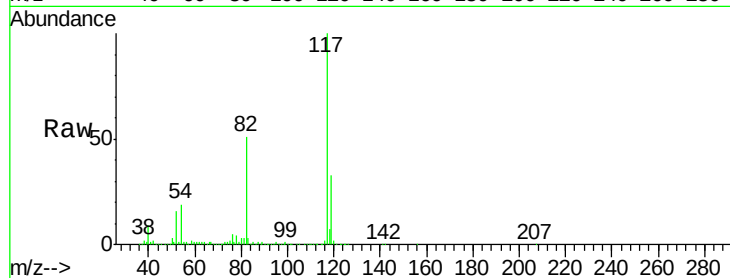
Tot Ion:117 Resp: 2233022

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

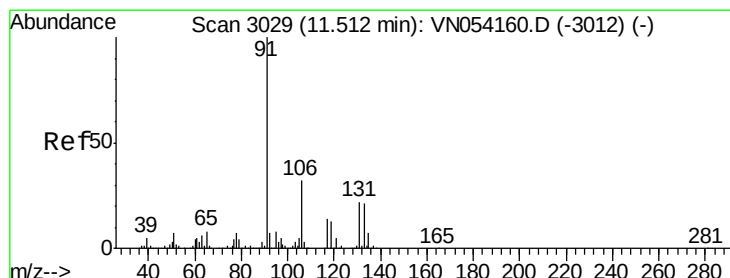
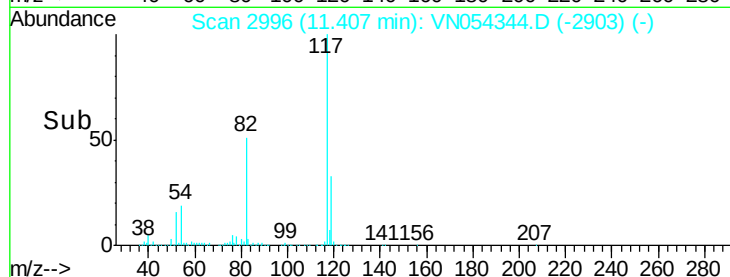
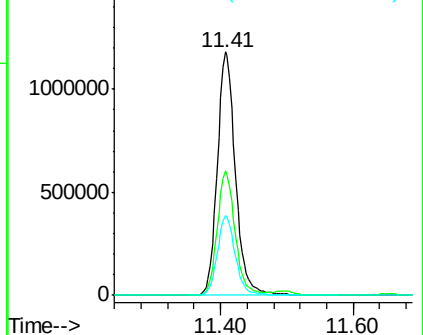
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.770 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054344.D

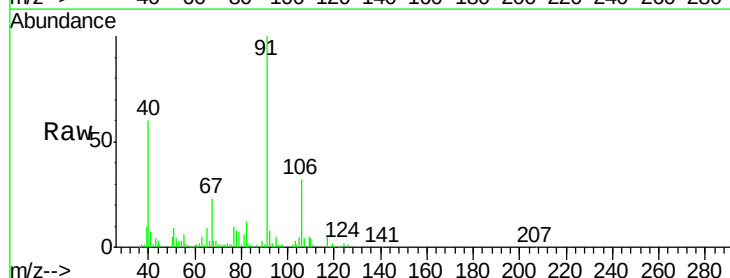
Acq: 16 Mar 2019 18:35

Tgt Ion: 91 Resp: 143891

Ion Ratio Lower Upper

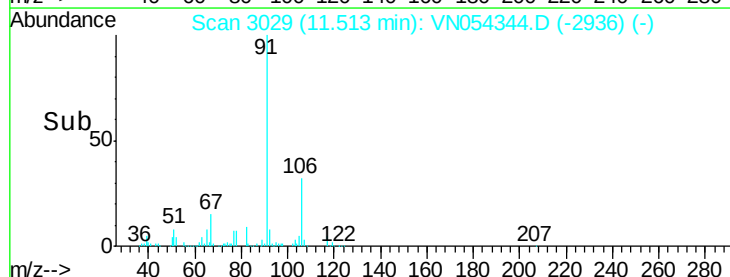
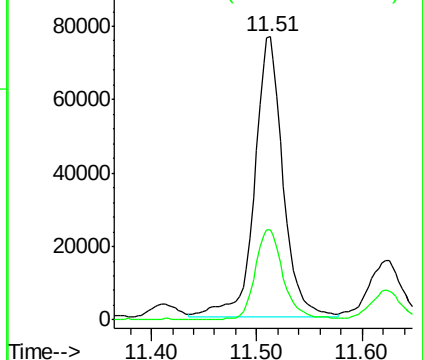
91 100

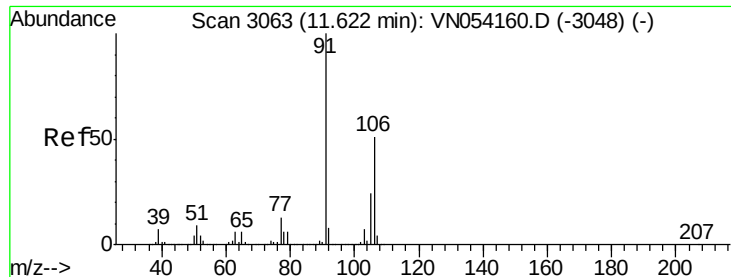
106 32.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

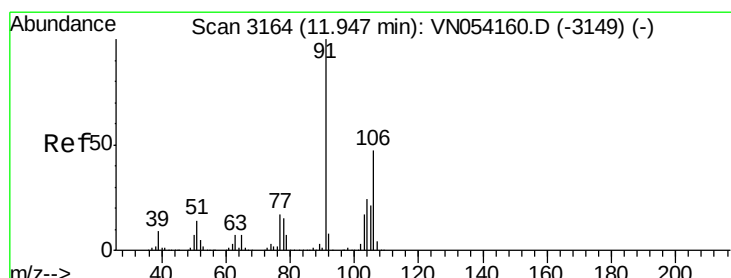
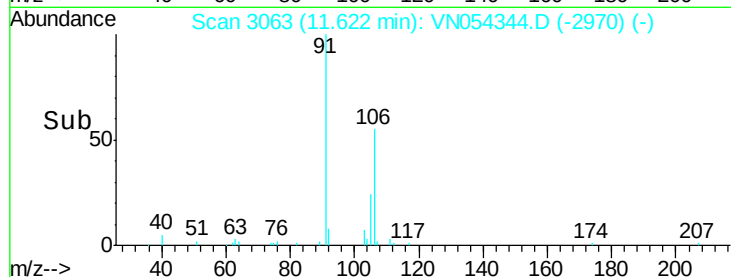
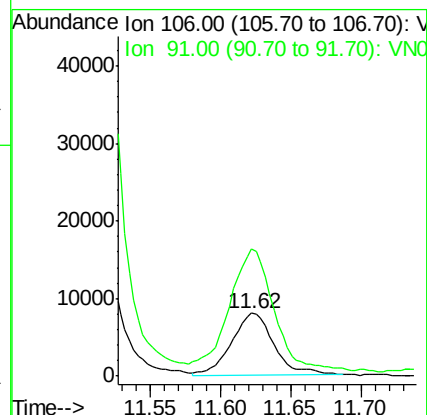
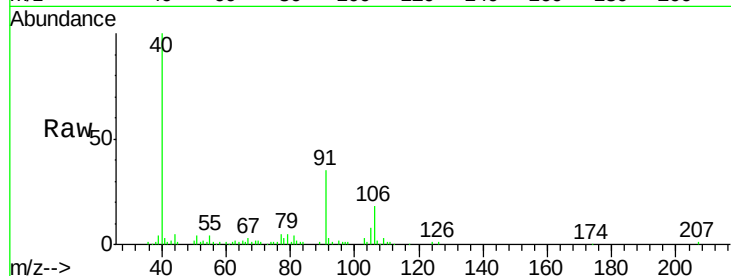




#68
m/p-Xylenes
Concen: 0.520 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

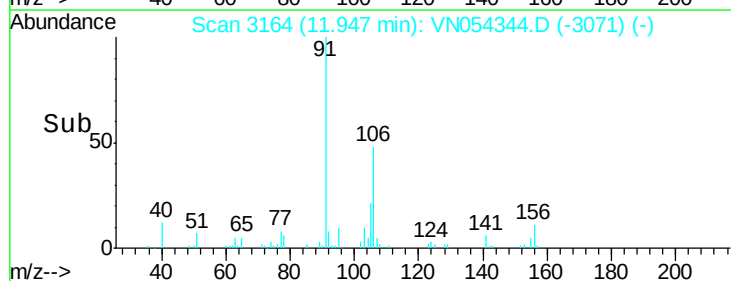
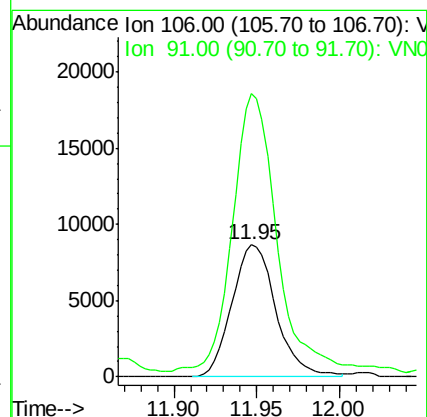
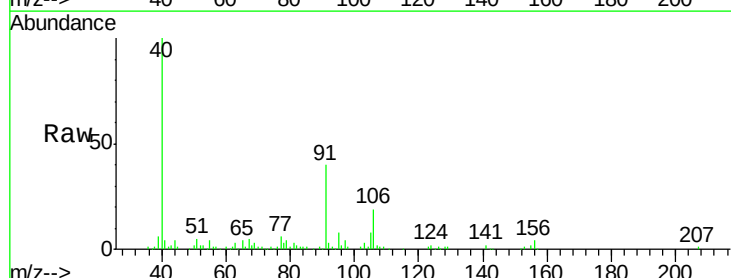
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

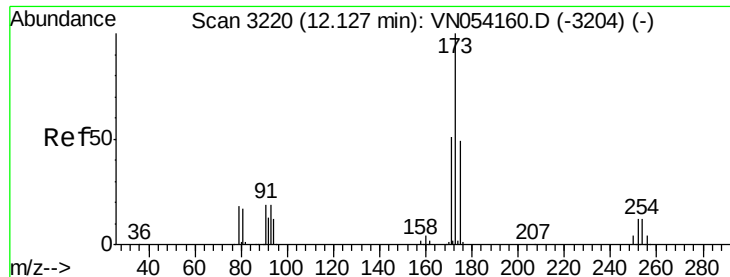
Tot Ion:106 Resp: 16527
Ion Ratio Lower Upper
106 100
91 207.1 159.4 239.2



#69
o-Xylene
Concen: 0.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

Tgt Ion:106 Resp: 15992
Ion Ratio Lower Upper
106 100
91 214.6 105.7 317.1





#71

Bromoform

Concen: 2.735 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

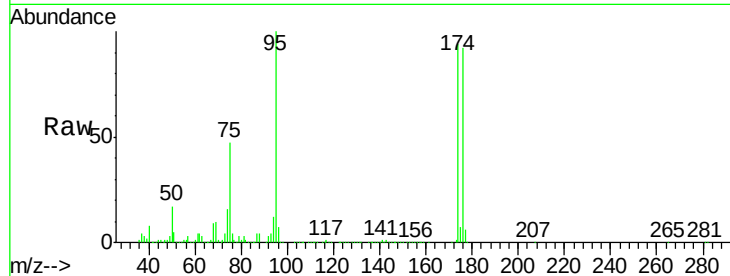
Tot Ion:173 Resp: 5475

Ion Ratio Lower Upper

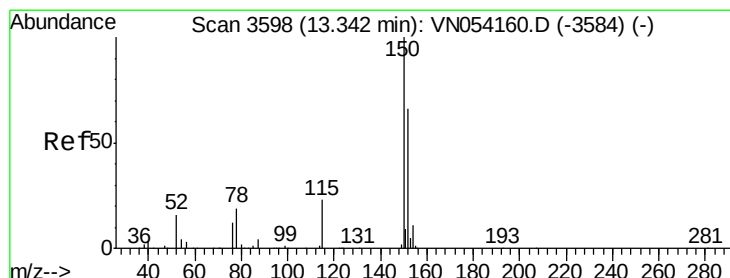
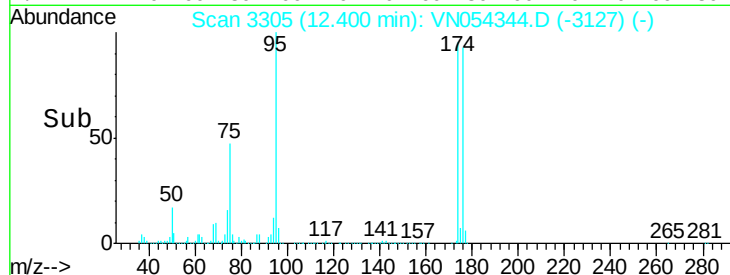
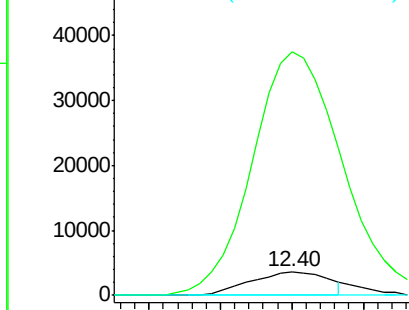
173 100

175 1019.3 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

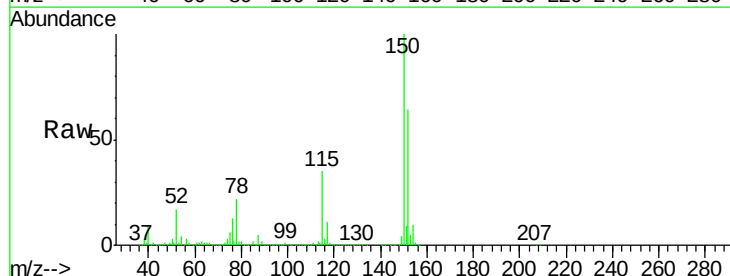
Tgt Ion:152 Resp: 968659

Ion Ratio Lower Upper

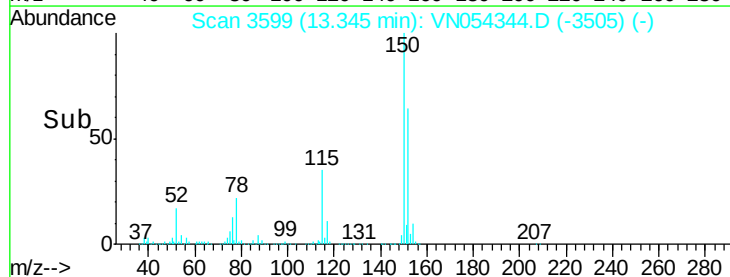
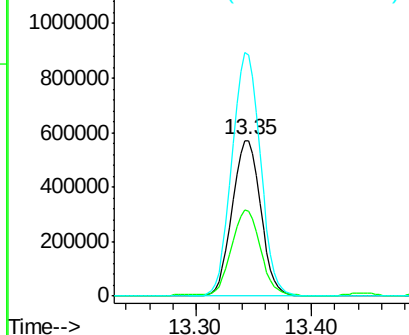
152 100

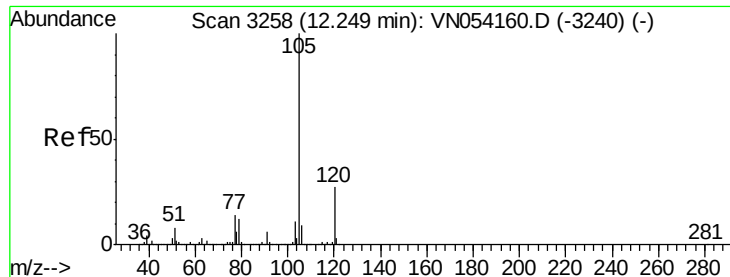
115 56.2 27.2 81.6

150 156.1 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





#73

Isopropylbenzene

Concen: 54.451 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

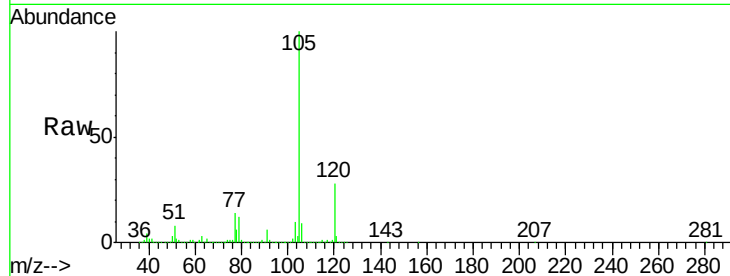
T11-MW-5-9.0-031419

Tot Ion:105 Resp: 4219879

Ion Ratio Lower Upper

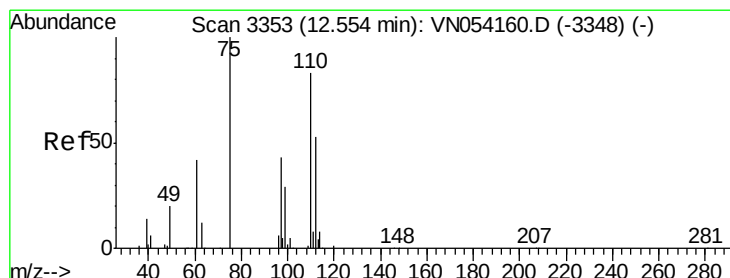
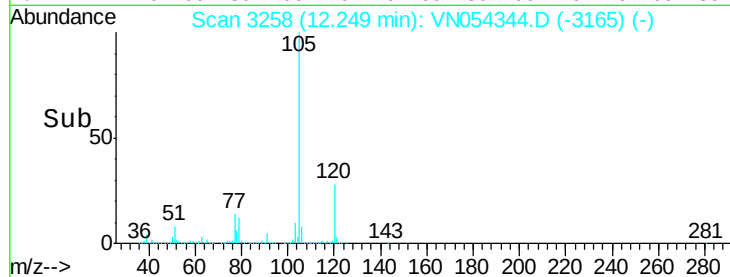
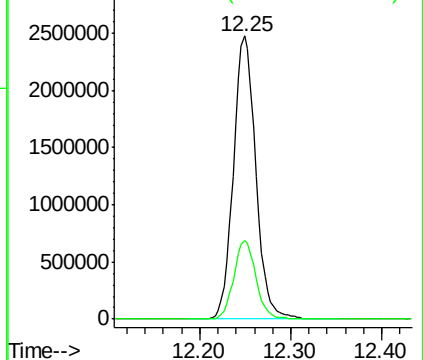
105 100

120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 5.678 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN054344.D

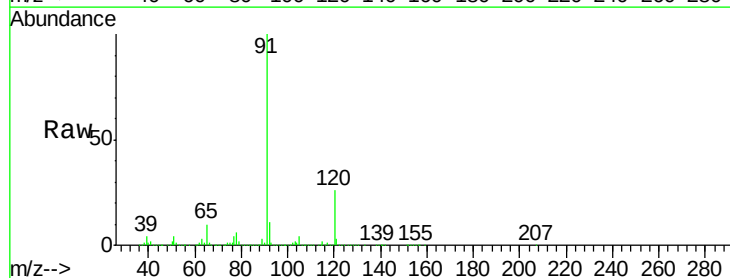
Acq: 16 Mar 2019 18:35

Tgt Ion: 75 Resp: 80883

Ion Ratio Lower Upper

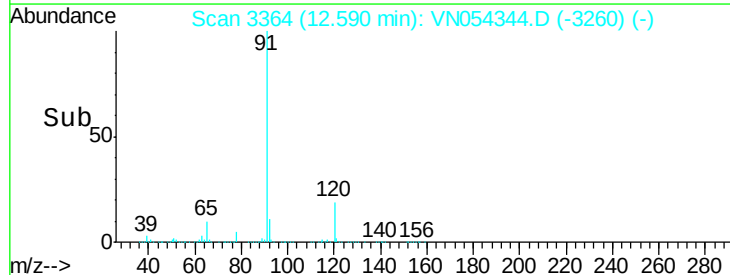
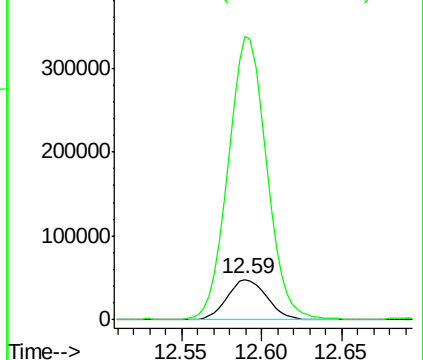
75 100

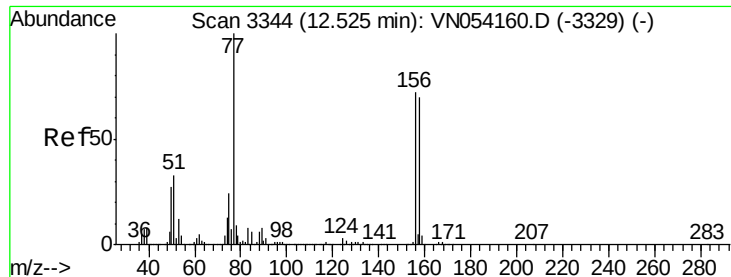
77 679.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.265 ug/l

RT: 12.49 min Scan# 3334

Delta R.T. -0.03 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

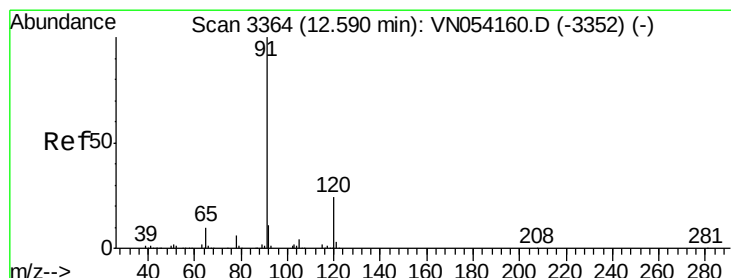
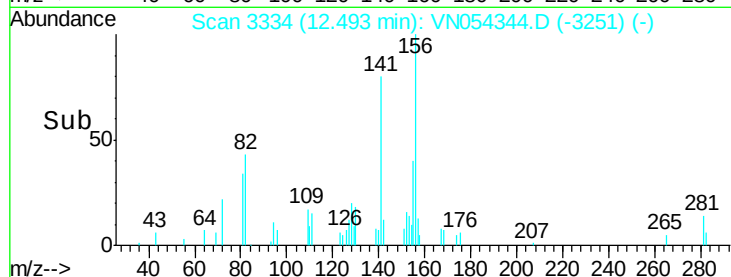
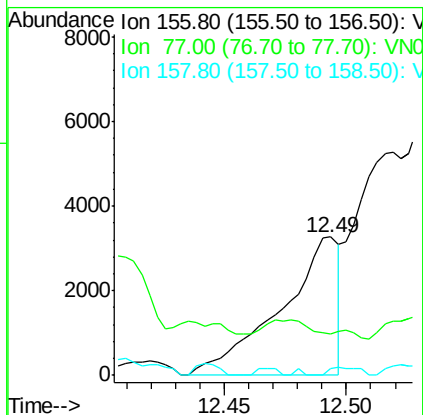
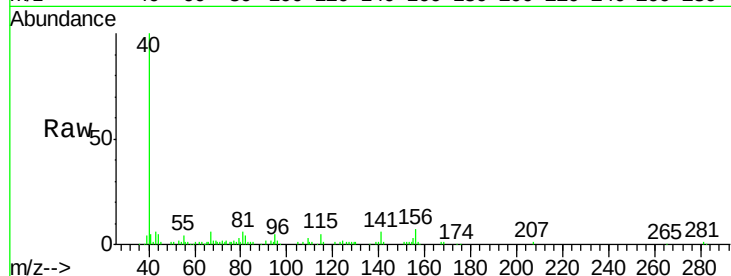
Tot Ion:156 Resp: 5427

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 3.0 49.0 147.2#



#78

n-propylbenzene

Concen: 172.498 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054344.D

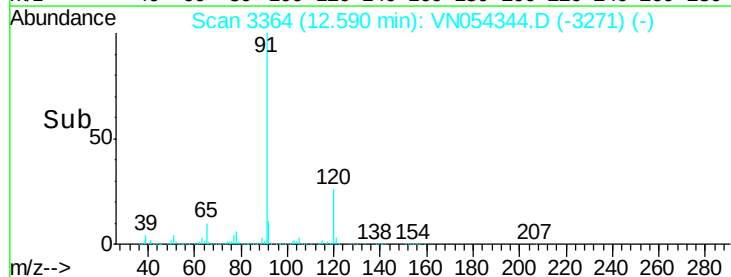
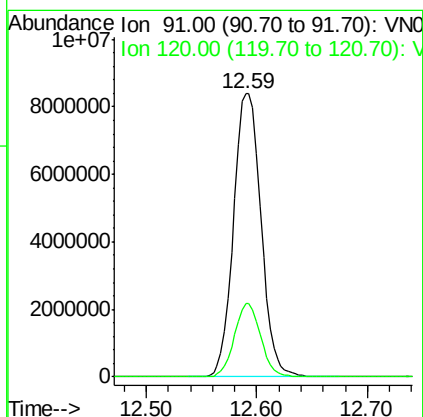
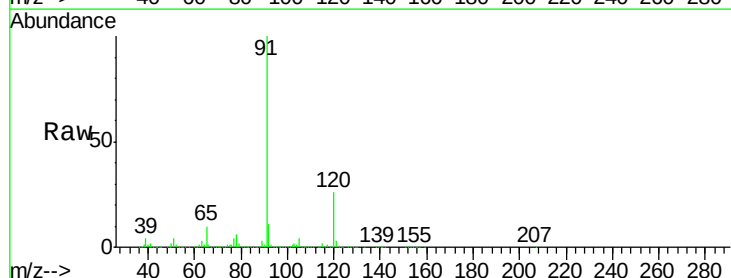
Acq: 16 Mar 2019 18:35

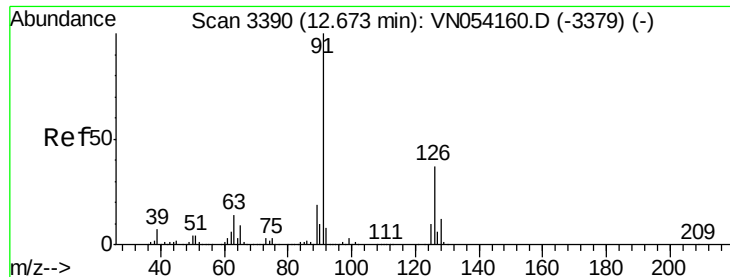
Tgt Ion: 91 Resp:14505587

Ion Ratio Lower Upper

91 100

120 24.8 12.3 36.9





#79

2-Chlorotoluene

Concen: 286.890 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

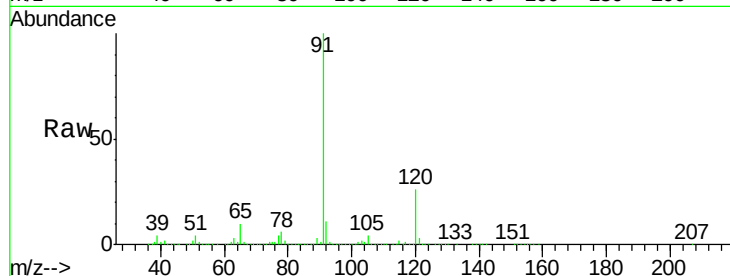
T11-MW-5-9.0-031419

Tot Ion: 91 Resp: 14505587

Ion Ratio Lower Upper

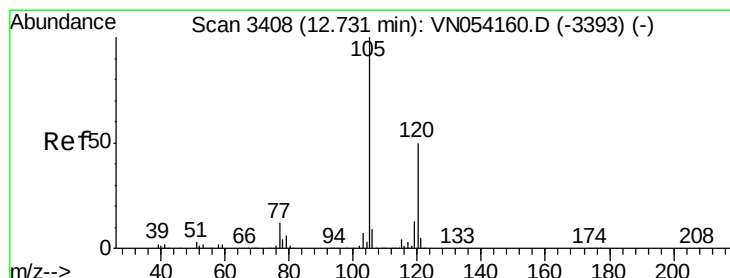
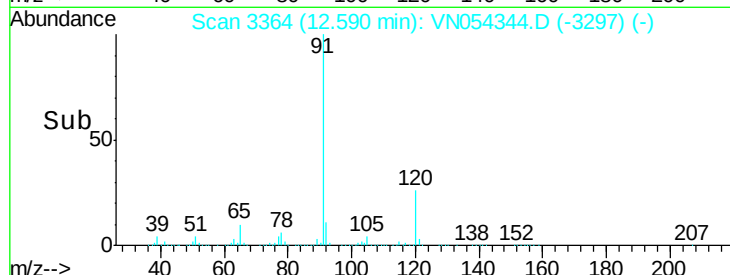
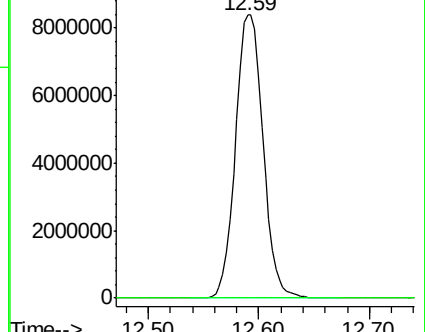
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.937 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN054344.D

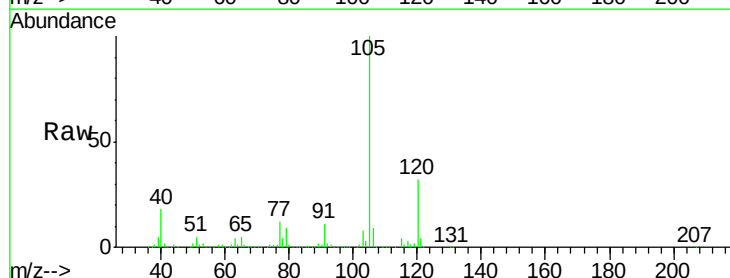
Acq: 16 Mar 2019 18:35

Tgt Ion: 105 Resp: 447169

Ion Ratio Lower Upper

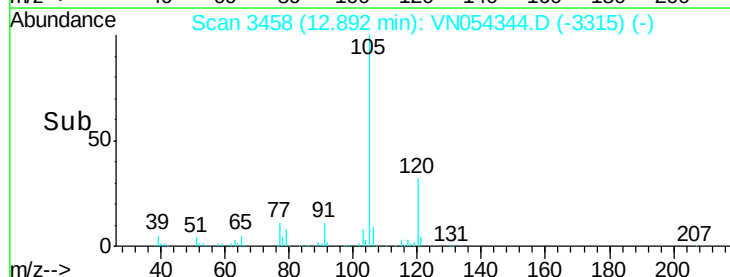
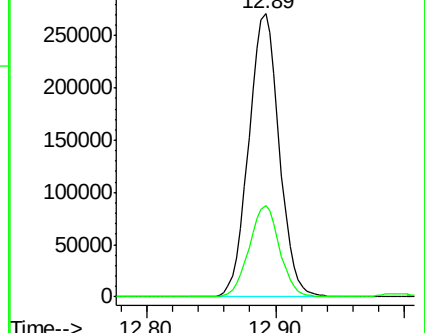
105 100

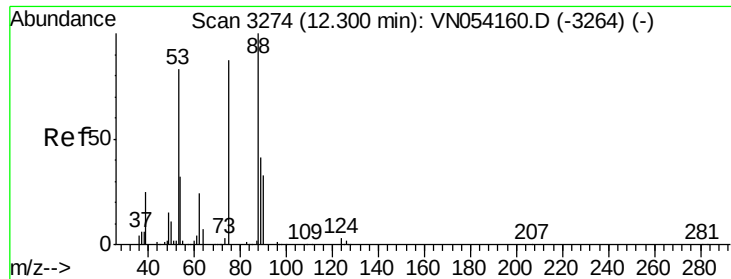
120 32.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

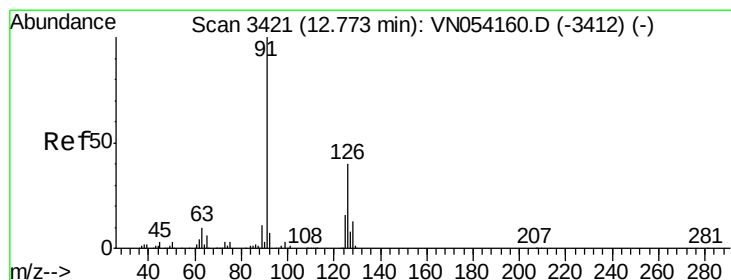
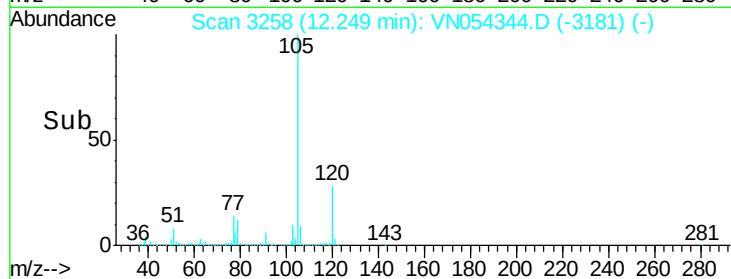
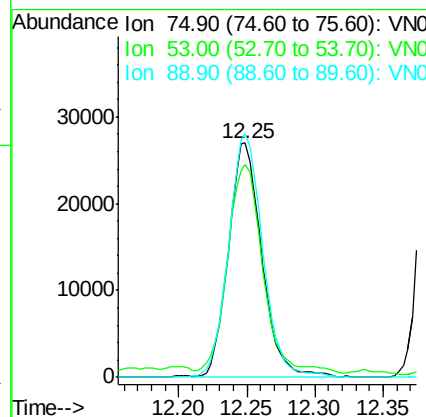
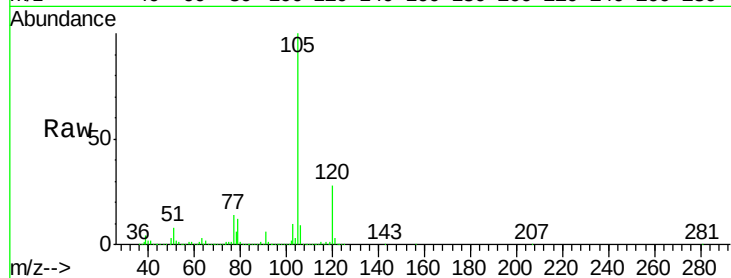




#81
trans-1,4-Dichloro-2-butene
Concen: 11.057 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.05 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

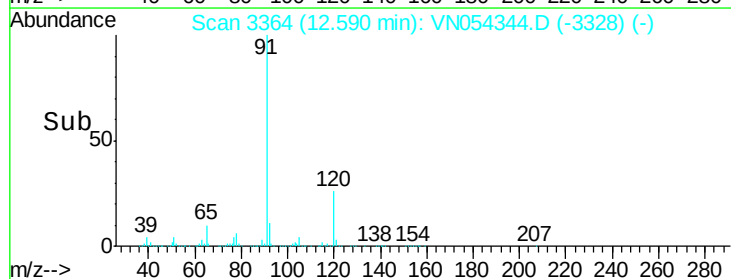
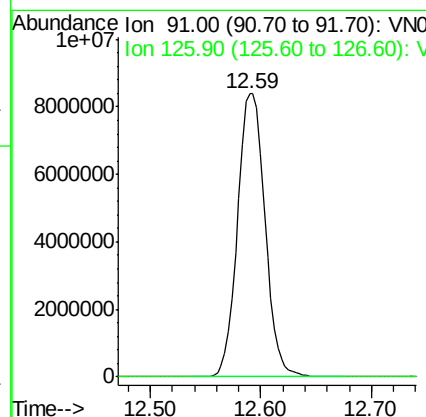
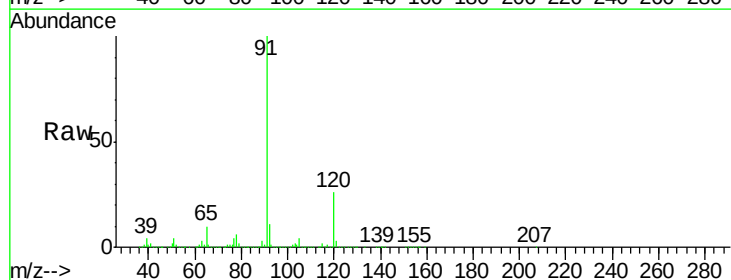
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

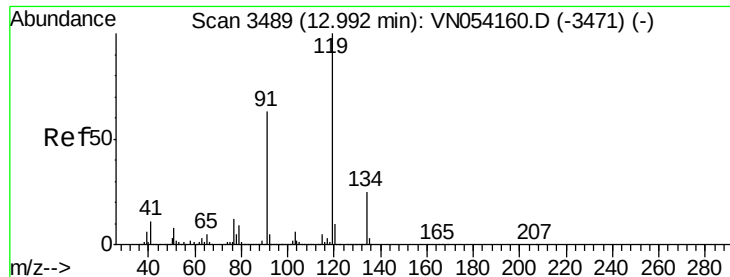
Tot Ion: 75 Resp: 46076
Ion Ratio Lower Upper
75 100
53 88.6 76.2 114.2
89 105.9 39.2 58.8#



#82
4-Chlorotoluene
Concen: 287.312 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.18 min
Lab File: VN054344.D
Acq: 16 Mar 2019 18:35

Tgt Ion: 91 Resp: 14505587
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

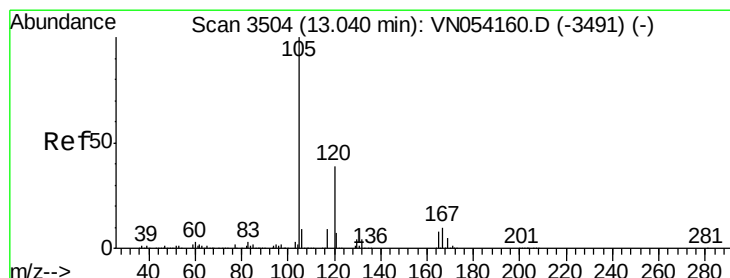
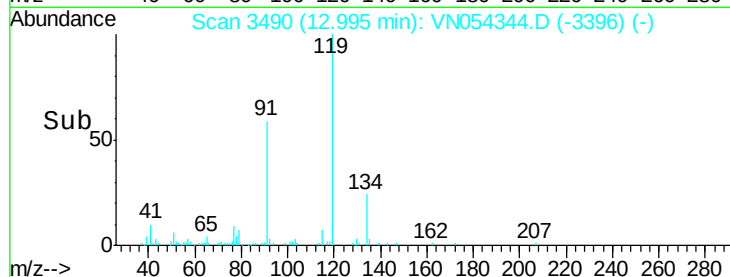
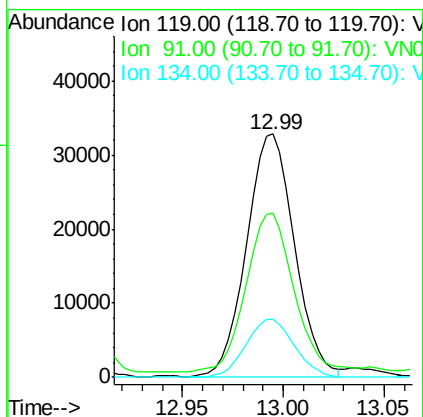
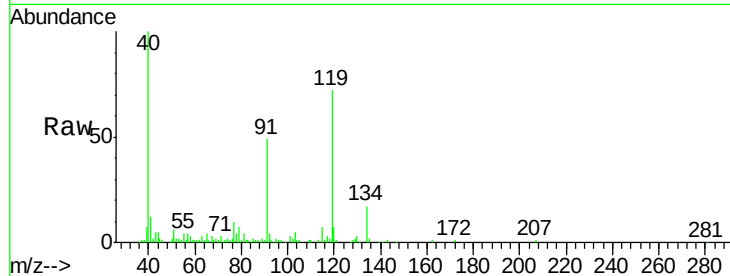




#83
 tert-Butylbenzene
 Concen: 0.924 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

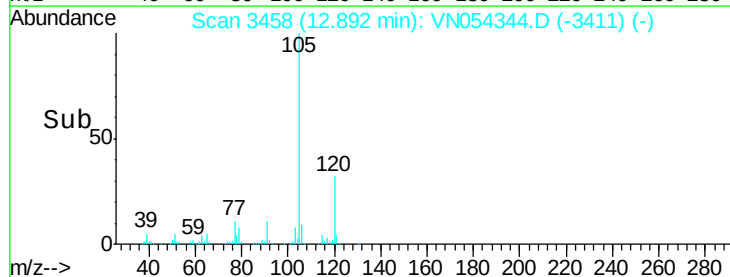
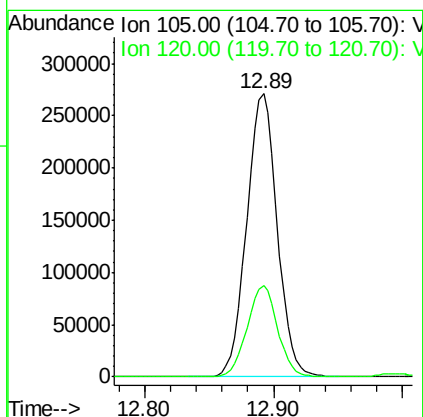
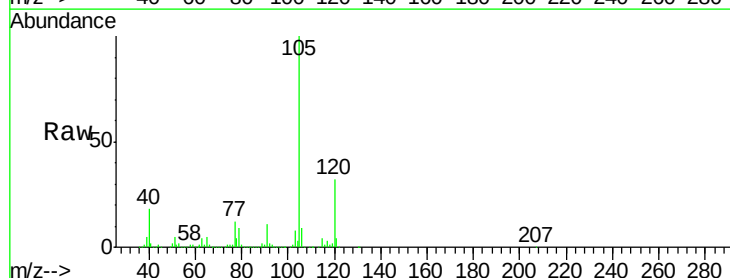
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

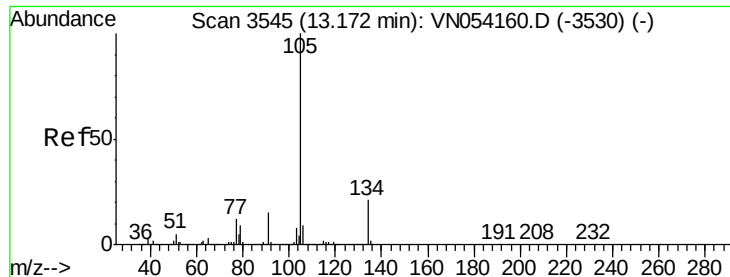
Tot Ion:119 Resp: 54853
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.9 92.8
 134 24.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 7.071 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Tgt Ion:105 Resp: 447169
 Ion Ratio Lower Upper
 105 100
 120 32.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 10.086 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

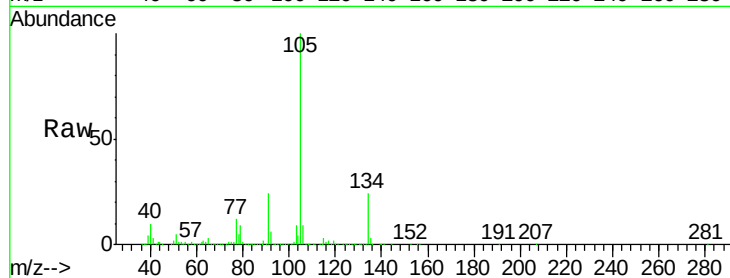
T11-MW-5-9.0-031419

Tot Ion:105 Resp: 776086

Ion Ratio Lower Upper

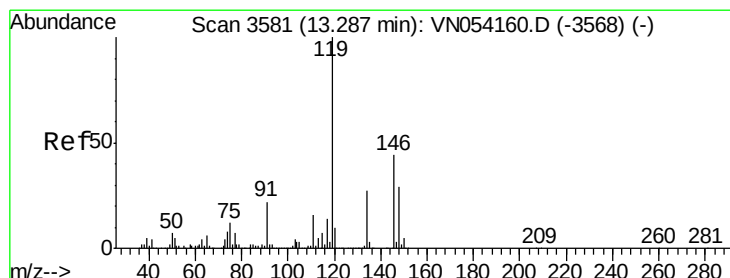
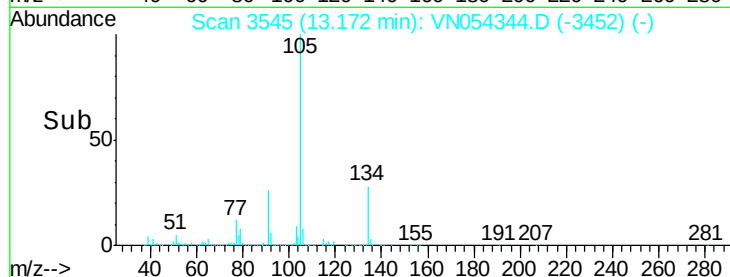
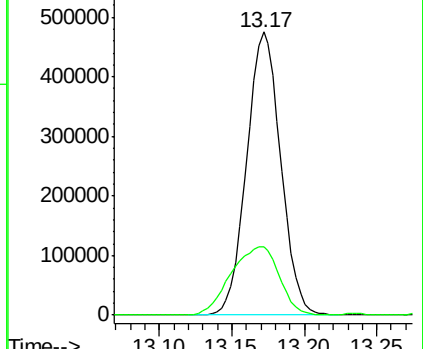
105 100

134 34.5 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.512 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

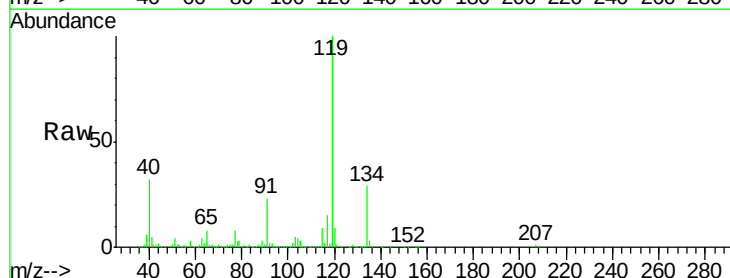
Tgt Ion:119 Resp: 237087

Ion Ratio Lower Upper

119 100

134 29.5 13.6 40.8

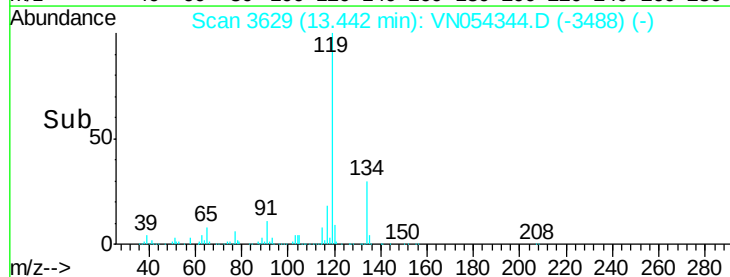
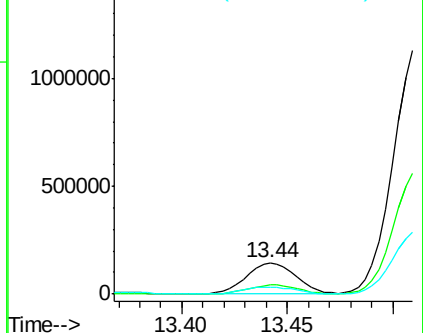
91 0.0 11.1 33.3#

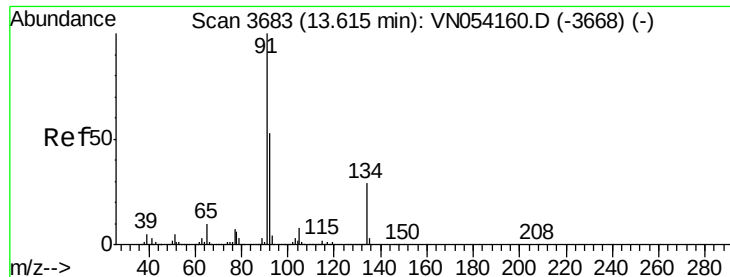


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 17.748 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

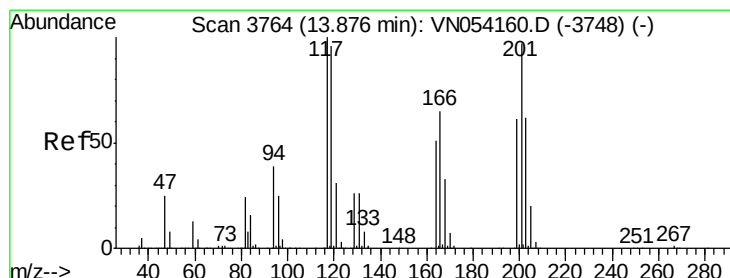
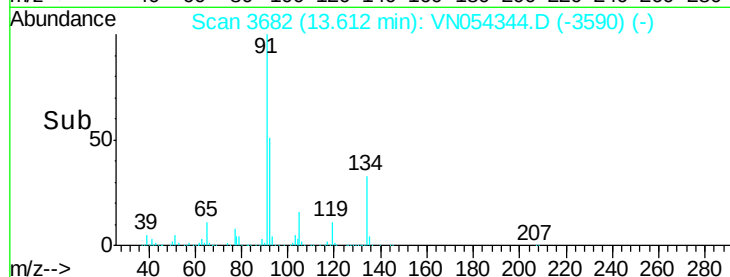
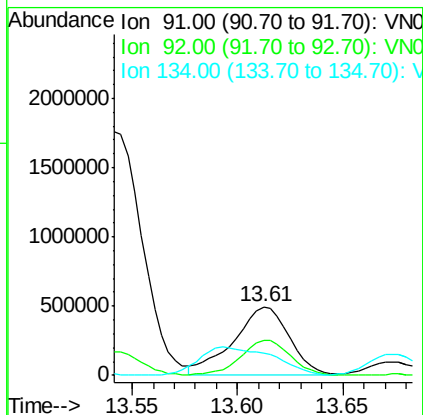
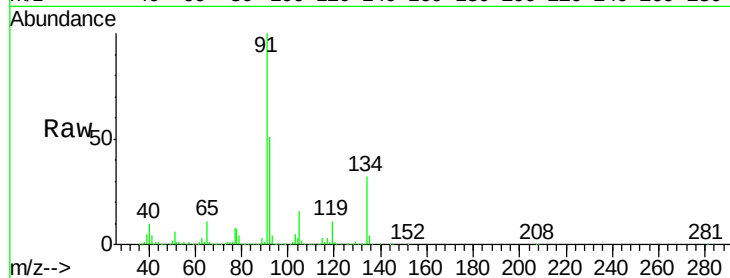
Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:	91	Resp:	910335
Ion	Ratio	Lower	Upper
91	100		
92	45.3	26.2	78.6
134	55.4	14.3	42.9#



#90

Hexachloroethane

Concen: 61.229 ug/l

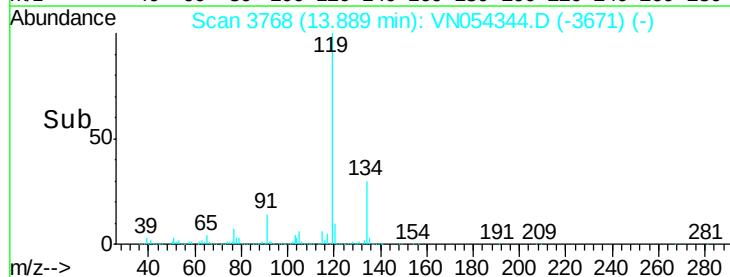
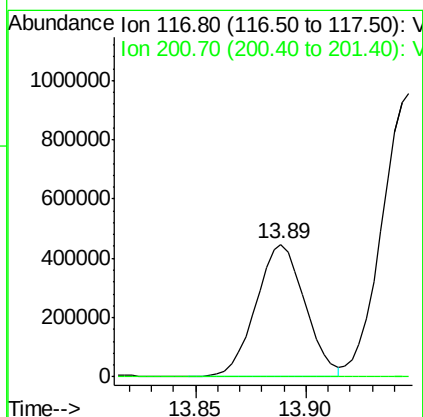
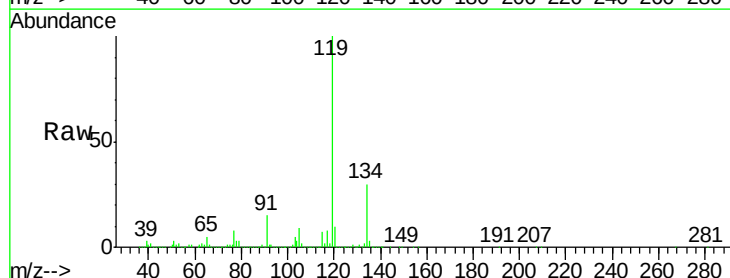
RT: 13.89 min Scan# 3768

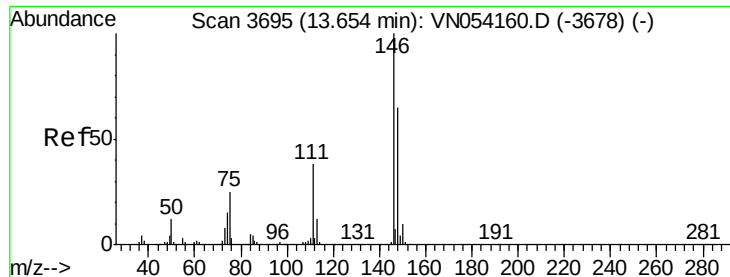
Delta R.T. 0.01 min

Lab File: VN054344.D

Acq: 16 Mar 2019 18:35

Tgt Ion:	117	Resp:	684422
Ion	Ratio	Lower	Upper
117	100		
201	0.0	48.1	144.4#

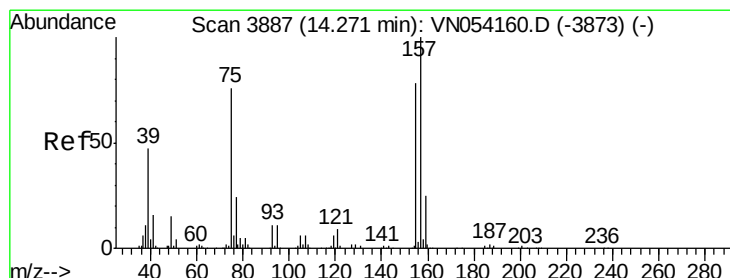
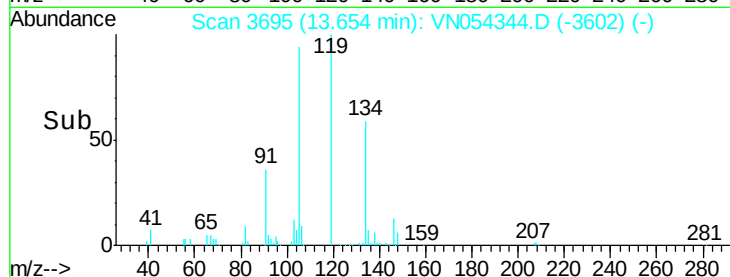
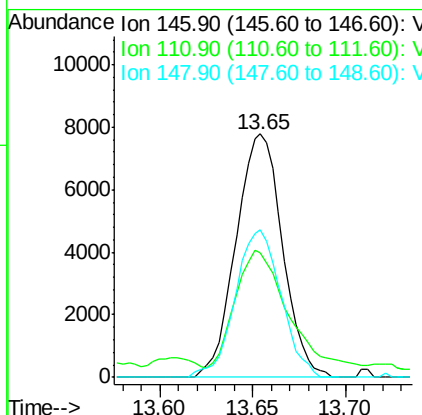
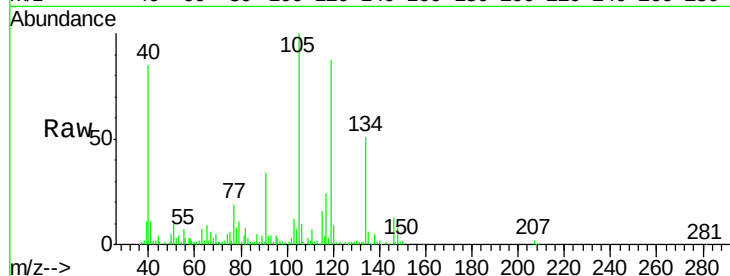




#91
 1,2-Dichlorobenzene
 Concen: 0.400 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

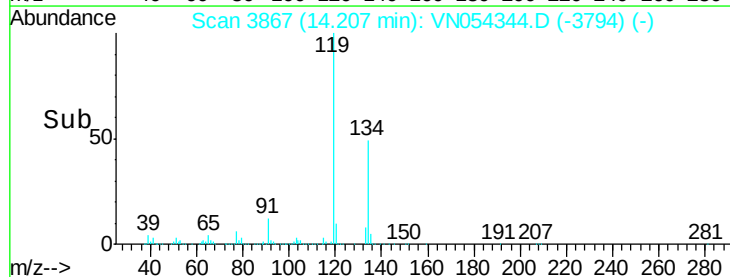
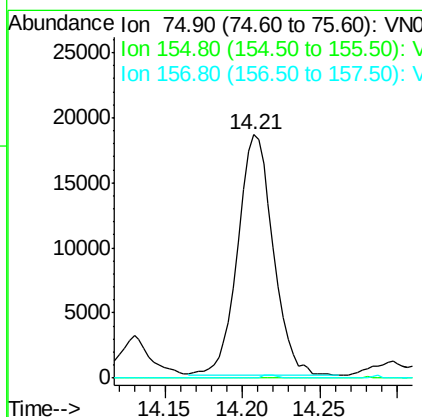
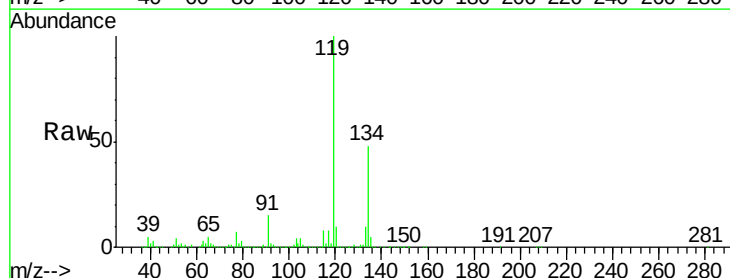
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

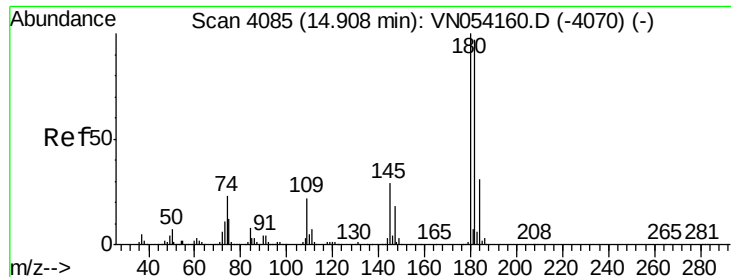
Tot Ion	Ratio	Lower	Upper
146	100		
111	53.9	19.1	57.3
148	59.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.558 ug/l
 RT: 14.21 min Scan# 3867
 Delta R.T. -0.06 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	50.1	150.3#
157	0.6	63.1	189.3#

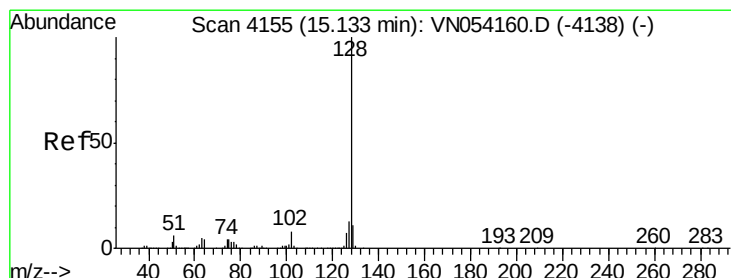
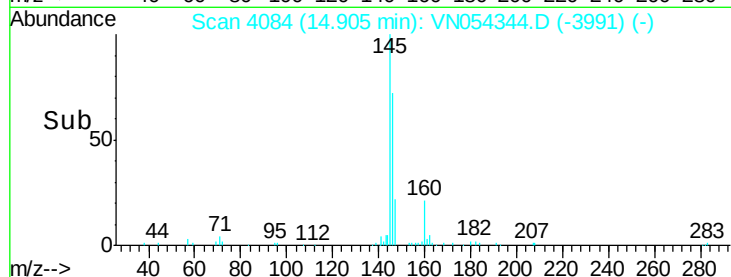
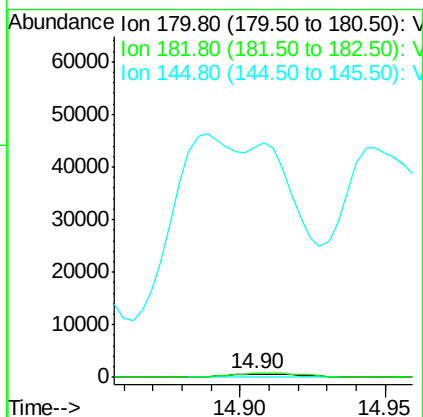
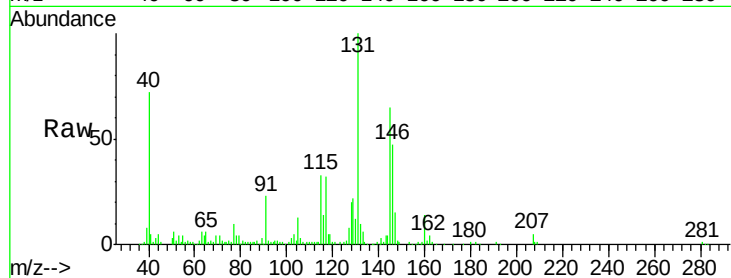




#93
 1,2,4-Trichlorobenzene
 Concen: 2.570 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

Tot Ion:180 Resp: 1158
 Ion Ratio Lower Upper
 180 100
 182 121.7 48.0 144.2
 145 4960.5 14.2 42.8#



#95
 Naphthalene
 Concen: 3.715 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054344.D
 Acq: 16 Mar 2019 18:35

Tgt Ion:128 Resp: 11199
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.7 13.1#

