

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054316.D
 Acq On : 15 Mar 2019 18:15
 Operator : JC/SP
 Sample : K1899-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

Quant Time: Mar 16 03:22:38 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	1337330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2266175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2386927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1188493	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	719272	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	688745	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	2804269	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	1129286	59.79	ug/l	0.00
Spiked Amount			Recovery	=	119.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	262	1.510	ug/l #	45
13) Acrolein	3.60	56	253	0.274	ug/l #	70
16) Acetone	3.82	43	22599	5.557	ug/l	100
18) Methyl Acetate	4.33	43	4627	0.562	ug/l #	85
25) 2-Butanone	6.86	43	2492	0.522	ug/l	94
29) Tetrahydrofuran	7.23	42	705	0.230	ug/l #	53
31) Cyclohexane	7.67	56	18070	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	76066	3.645	ug/l #	49
38) Carbon Tetrachloride	7.67	117	108656	4.965	ug/l #	15
40) Benzene	8.04	78	979392	16.400	ug/l	100
51) 4-Methyl-2-Pentanone	10.00	43	3194	0.287	ug/l	93
52) Toluene	10.16	92	826288	21.821	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	8827	2.355	ug/l #	1
55) 1,1,2-Trichloroethane	10.42	97	5827	0.421	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.92	63	30	16.832	ug/l #	44
67) Ethyl Benzene	11.51	91	786939	9.058	ug/l	99
68) m/p-Xylenes	11.62	106	613178	18.058	ug/l	98
69) o-Xylene	11.95	106	348069	10.515	ug/l	100
70) Styrene	11.96	104	71871	1.384	ug/l #	26
71) Bromoform	12.41	173	6586	2.783	ug/l #	1
73) Isopropylbenzene	12.25	105	79397	0.835	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	532982	30.496	ug/l #	100
77) Bromobenzene	12.54	156	116300	4.622	ug/l #	1
78) n-propylbenzene	12.59	91	41110	0.398	ug/l	99
79) 2-Chlorotoluene	12.65	91	41732	0.673	ug/l	84
80) 1,3,5-Trimethylbenzene	12.73	105	177932	2.250	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	532982	104.248	ug/l #	11
82) 4-Chlorotoluene	12.65	91	41732	0.674	ug/l	86
83) tert-Butylbenzene	13.04	119	80896	1.111	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.04	105	646628	8.334	ug/l	100
85) sec-Butylbenzene	13.04	105	646628	6.849	ug/l #	55
86) p-Isopropyltoluene	13.29	119	159679	1.928	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	10820	0.260	ug/l #	16
89) n-Butylbenzene	13.54	91	495104	7.867	ug/l #	42

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

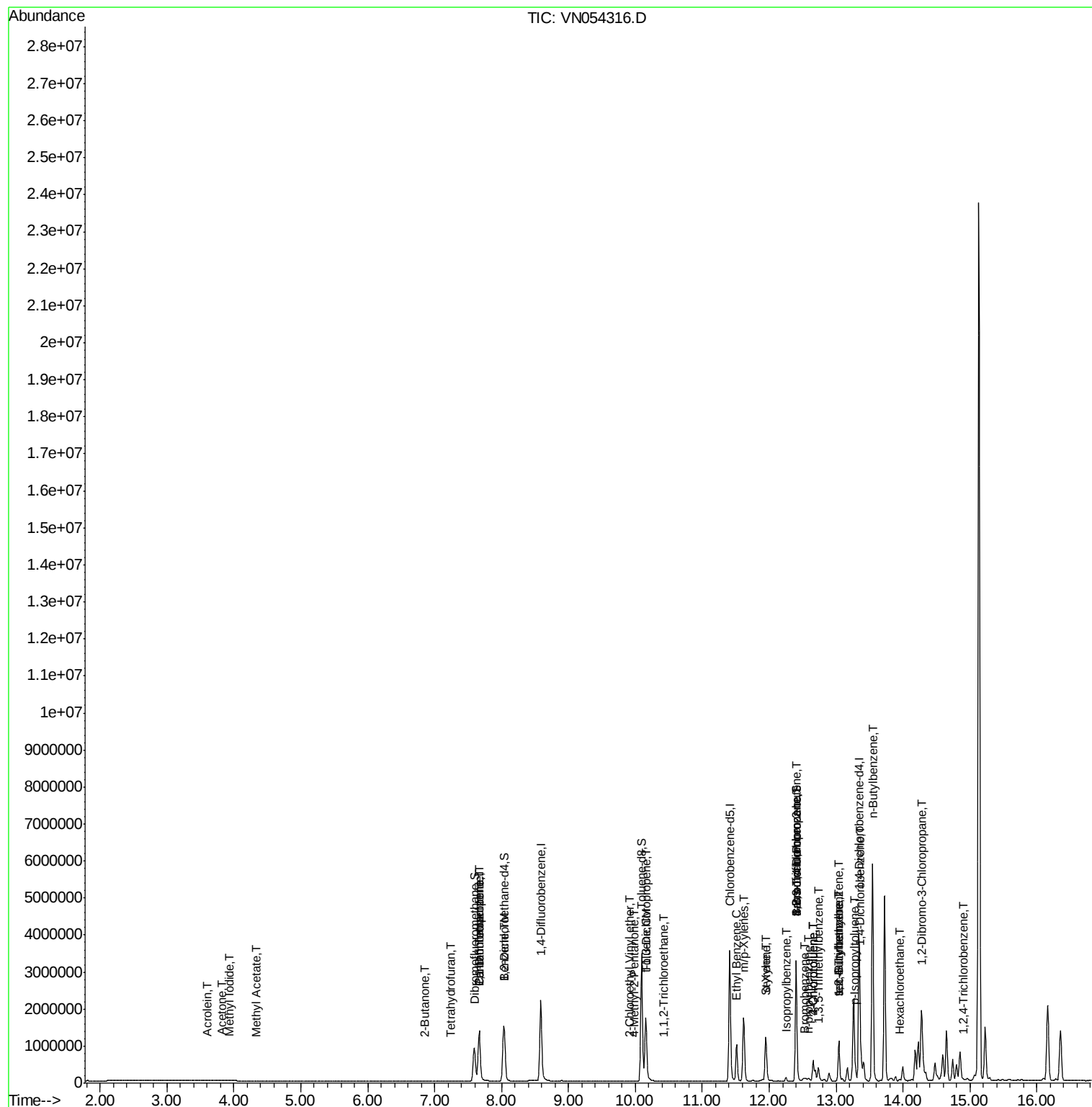
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.95	117	22880	1.668	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.28	75	45358	14.469	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	863	2.549	ug/l #	59

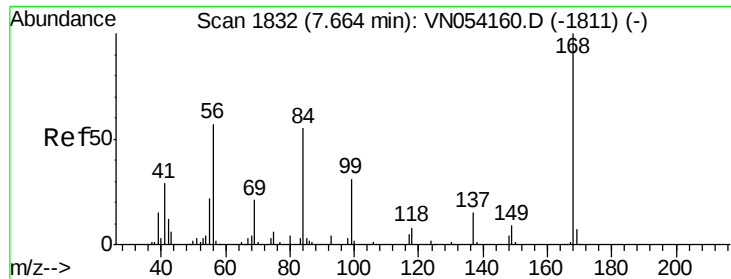
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

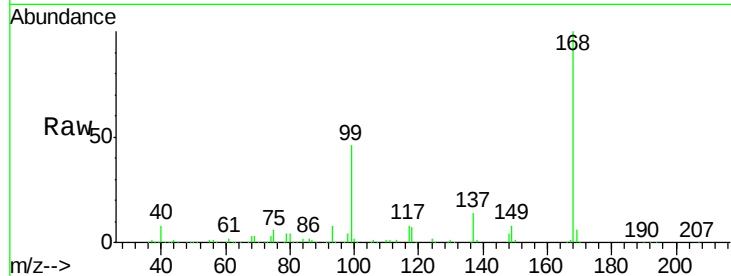
MW-1ADL

Tot Ion:168 Resp: 1337330

Ion Ratio Lower Upper

168 100

99 45.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

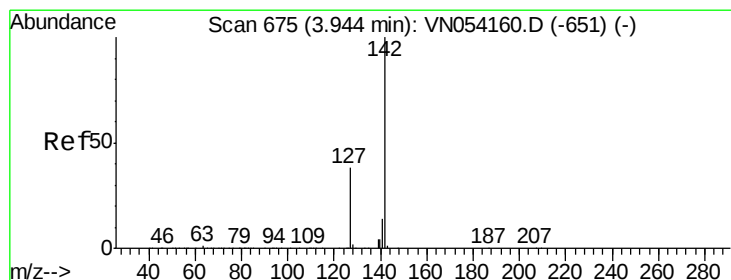
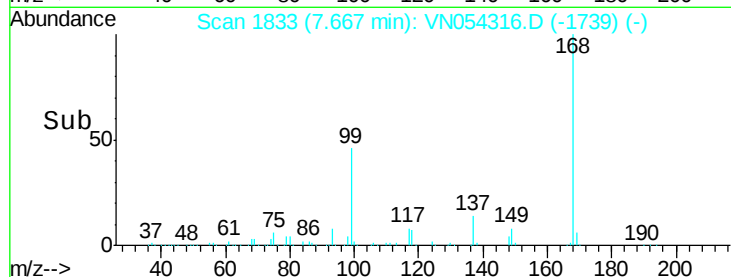
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.510 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

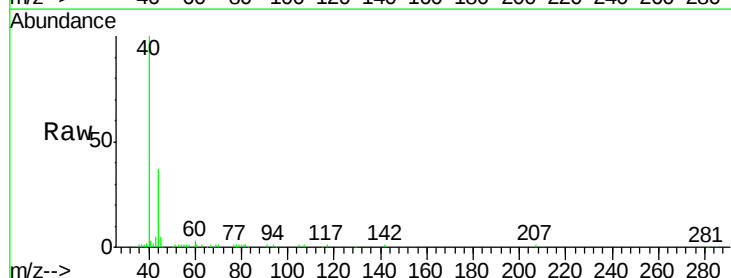
Tgt Ion:142 Resp: 262

Ion Ratio Lower Upper

142 100

127 0.0 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

3.94

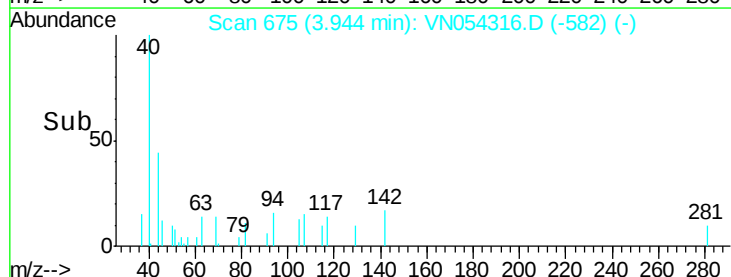
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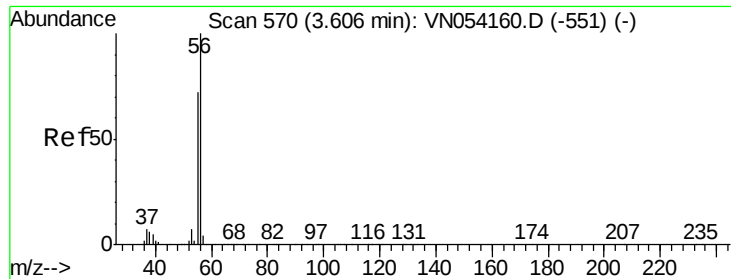
200

100

0

Time-->





#13

Acrolein

Concen: 0.274 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

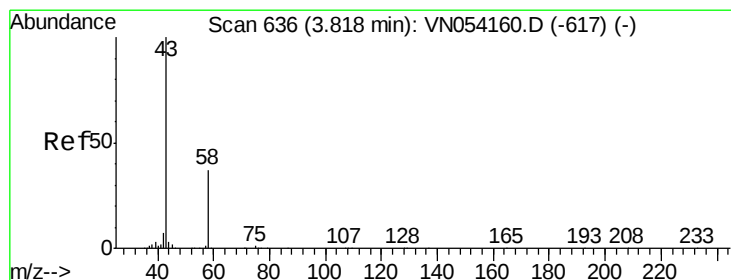
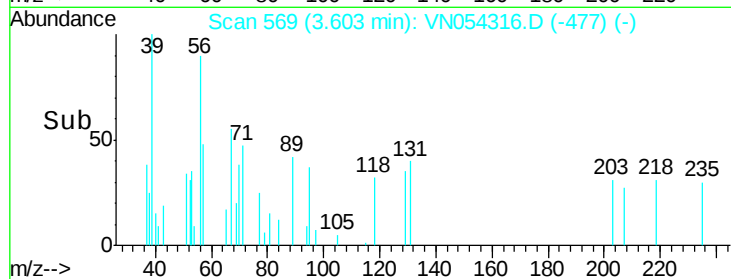
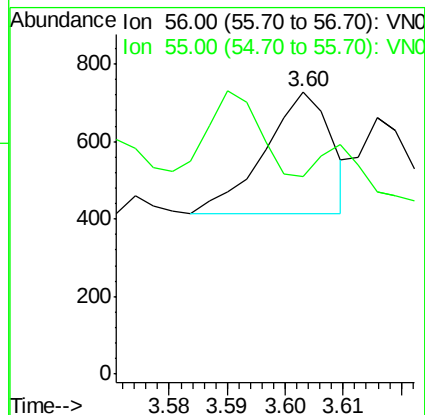
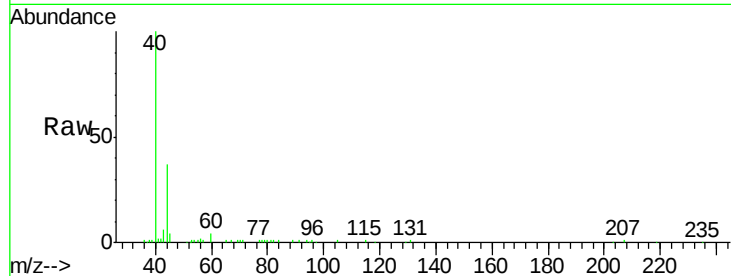
MW-1ADL

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 46.2 56.7 85.1#



#16

Acetone

Concen: 5.557 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054316.D

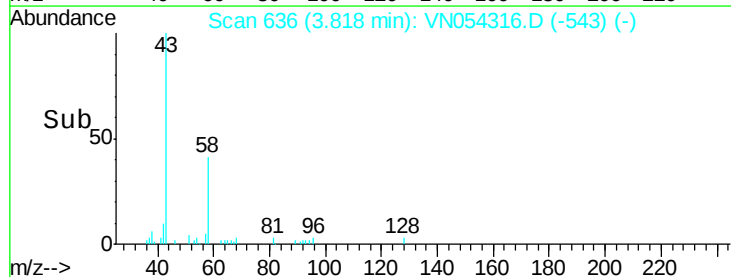
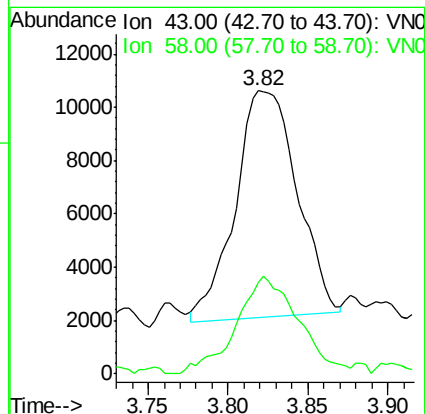
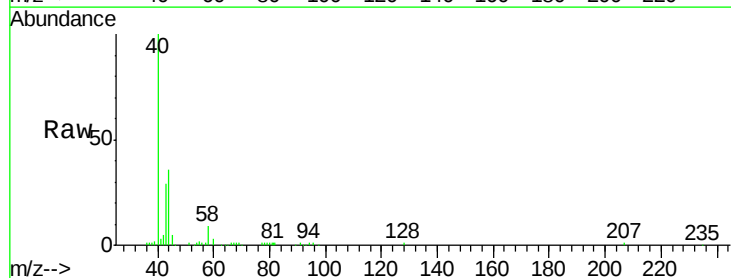
Acq: 15 Mar 2019 18:15

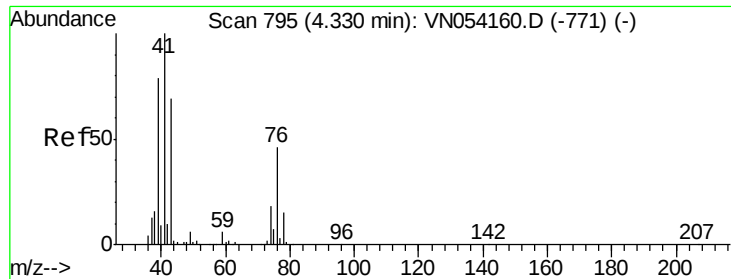
Tgt Ion: 43 Resp: 22599

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9

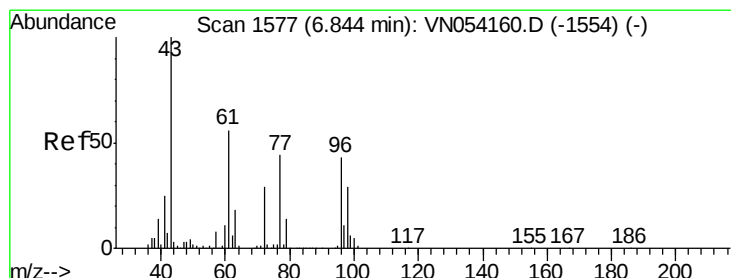
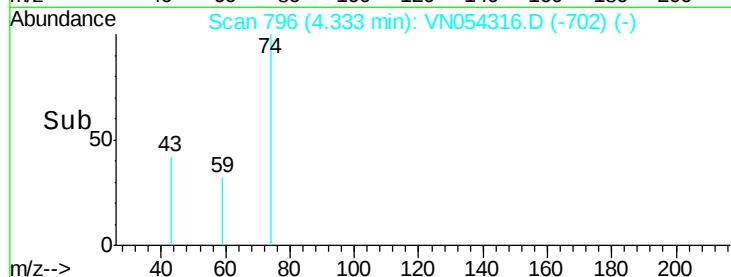
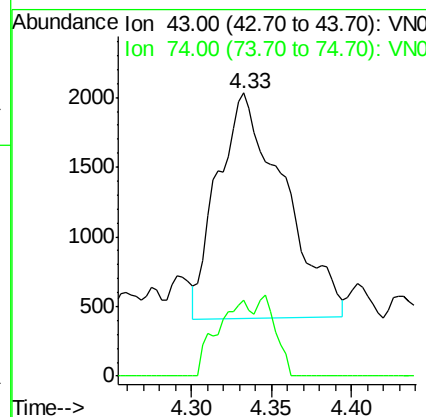
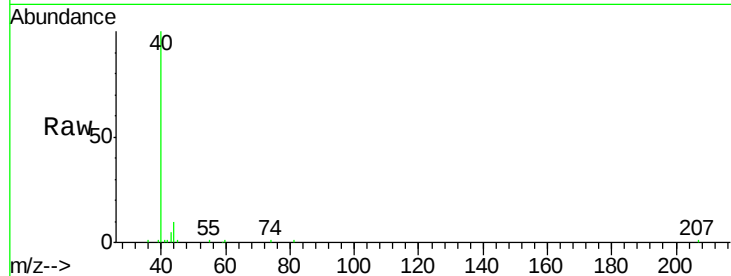




#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

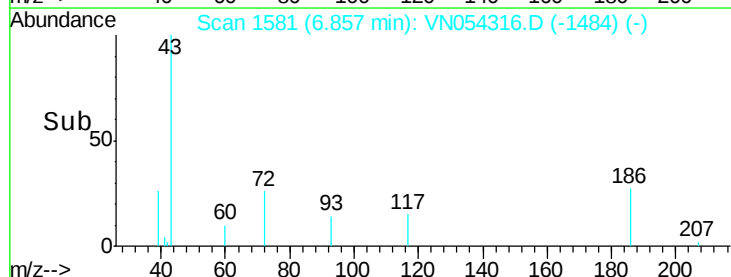
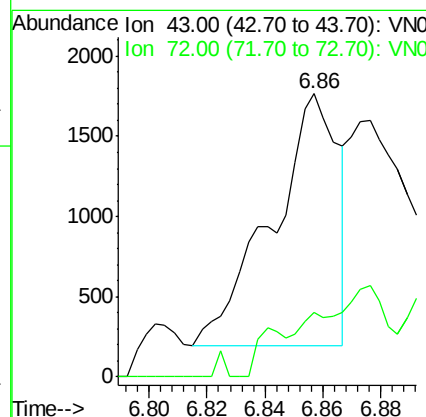
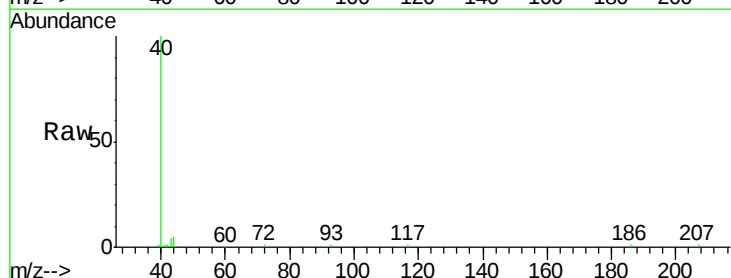
Instrument :
MSVOA_N
ClientSampled :
MW-1ADL

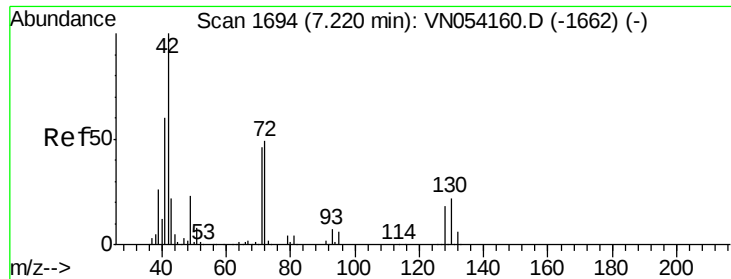
Tot Ion: 43 Resp: 4627
Ion Ratio Lower Upper
43 100
74 18.5 20.8 31.2#



#25
2-Butanone
Concen: 0.522 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
72 25.6 23.0 34.6

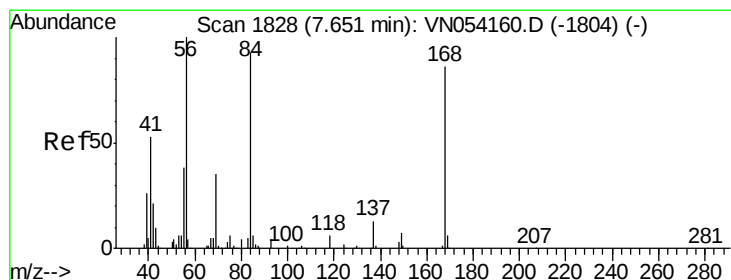
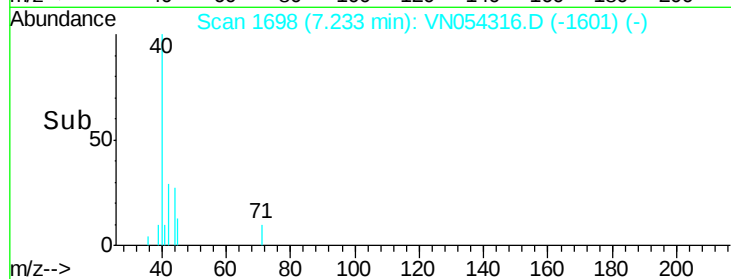
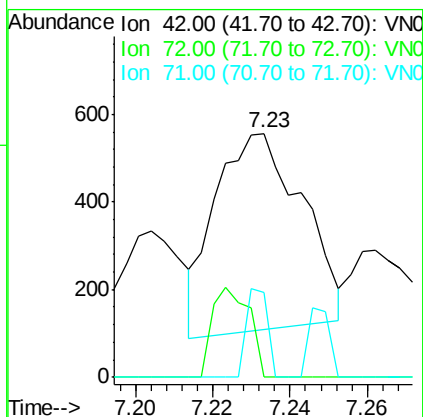
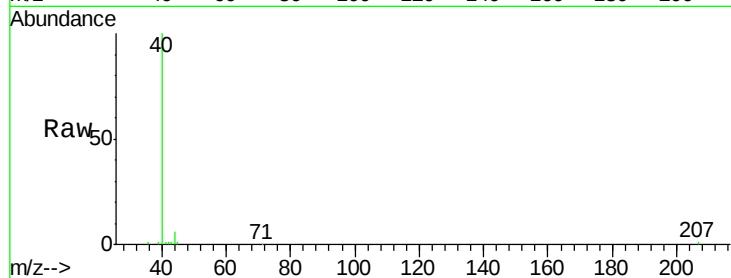




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

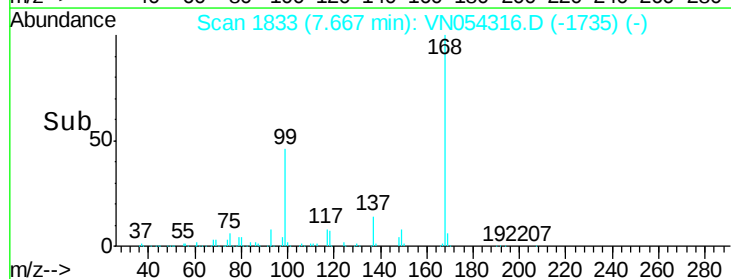
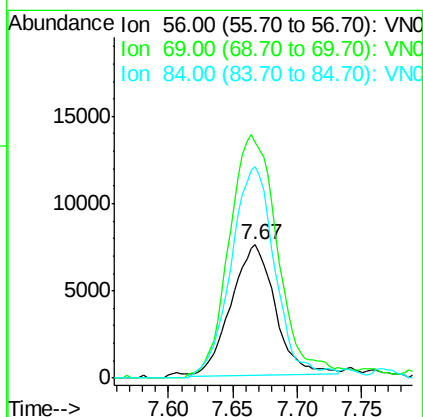
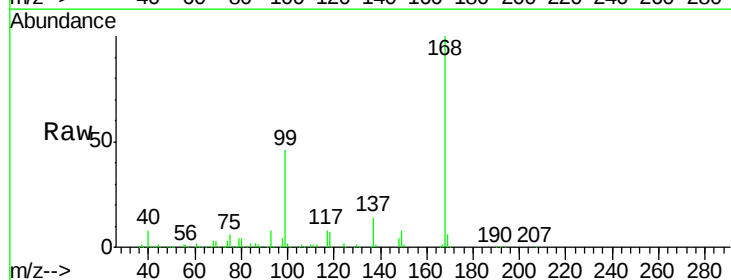
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

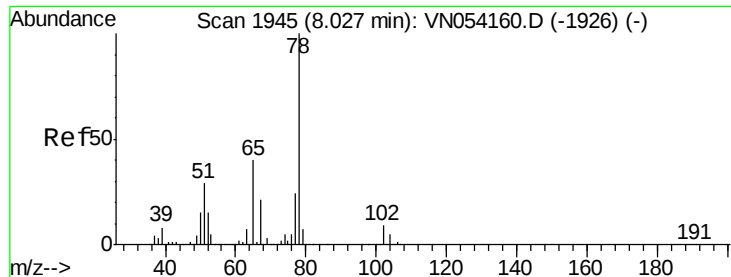
Tot Ion: 42 Resp: 705
Ion Ratio Lower Upper
42 100
72 19.1 37.8 56.6#
71 10.8 36.2 54.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

Tgt Ion: 56 Resp: 18070
Ion Ratio Lower Upper
56 100
69 180.1 27.8 41.6#
84 163.3 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 50.644 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

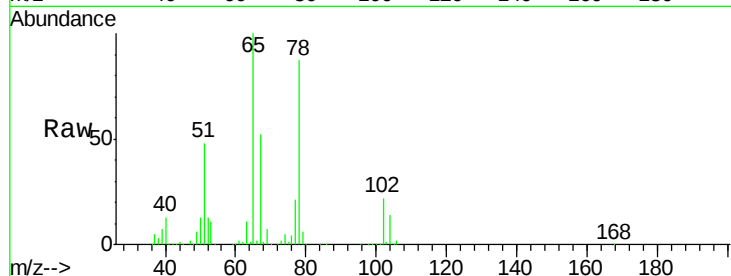
MW-1ADL

Tot Ion: 65 Resp: 719272

Ion Ratio Lower Upper

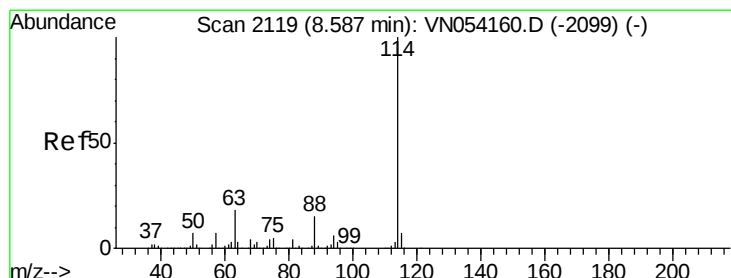
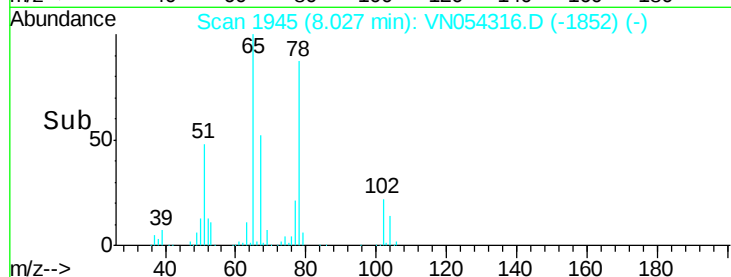
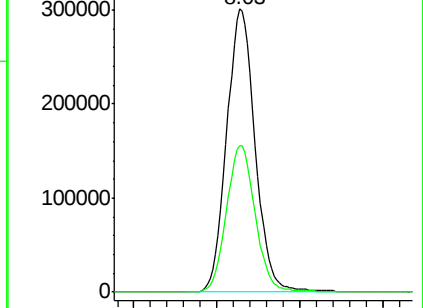
65 100

67 52.2 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: VN054316.D

Acq: 15 Mar 2019 18:15

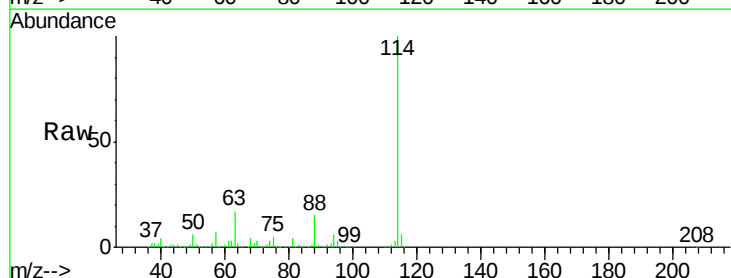
Tgt Ion: 114 Resp: 2266175

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

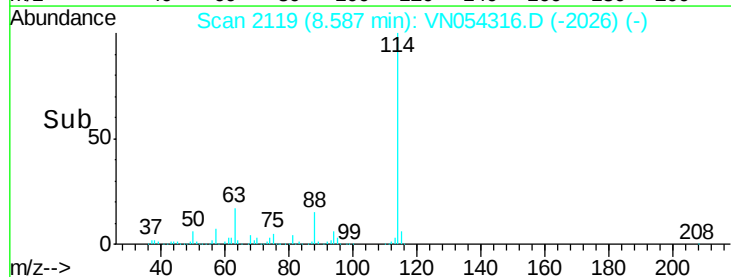
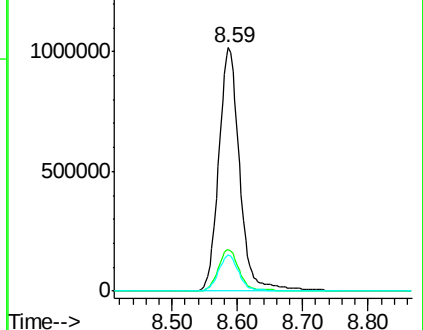
88 14.7 0.0 30.2

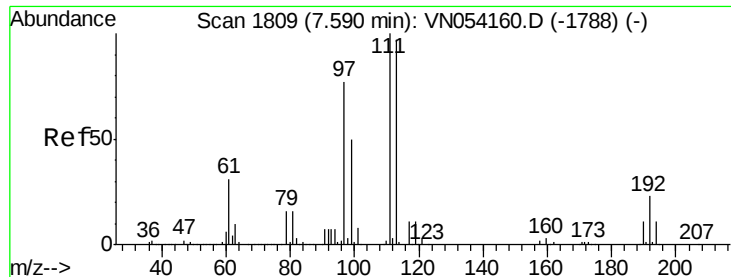


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

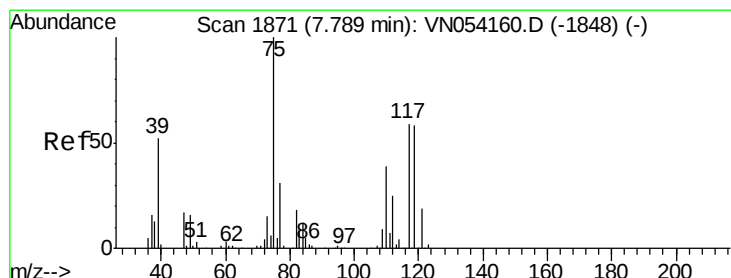
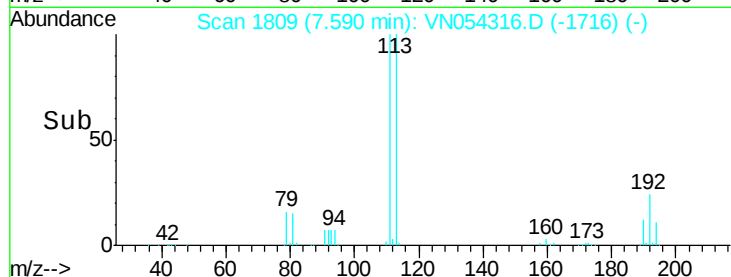
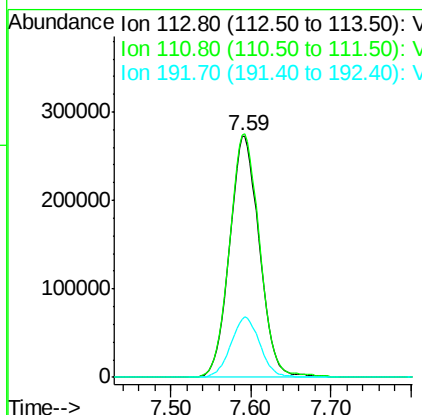
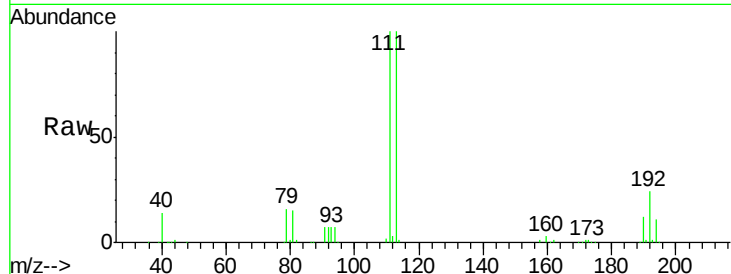




#35
 Dibromofluoromethane
 Concen: 47.123 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

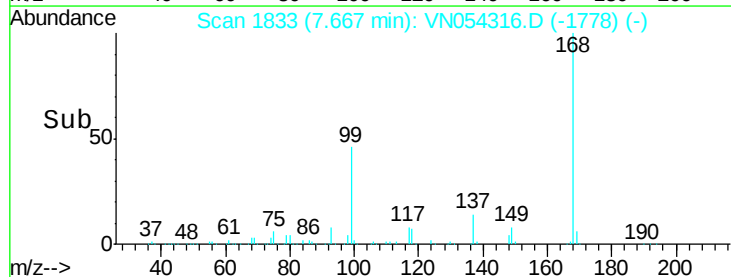
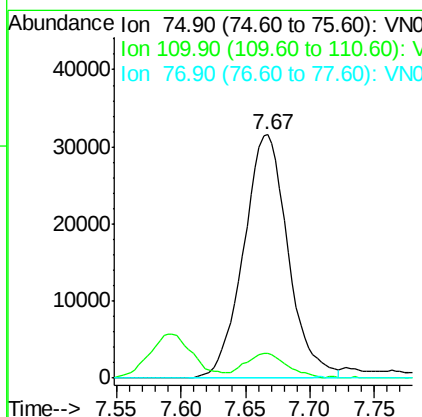
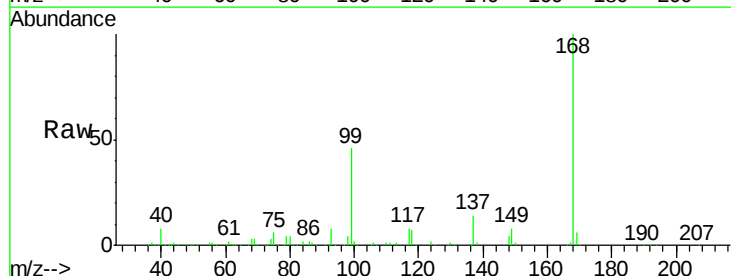
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

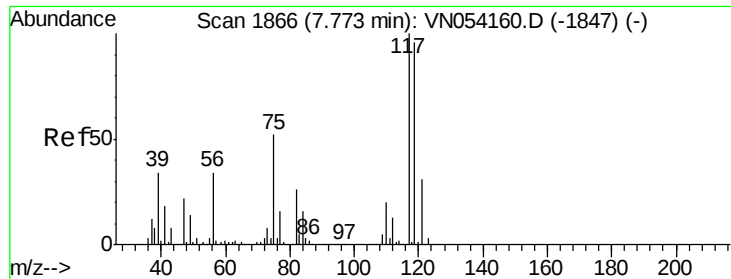
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	24.5	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.645 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 4.965 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

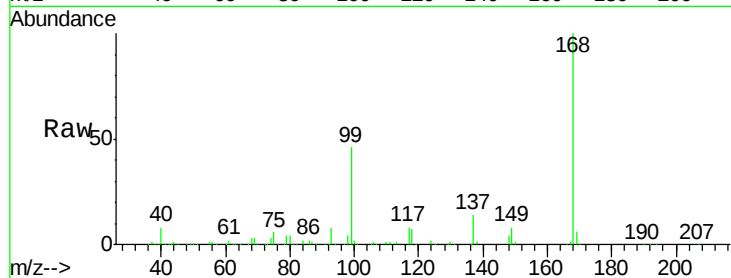
Tot Ion:117 Resp: 108656

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

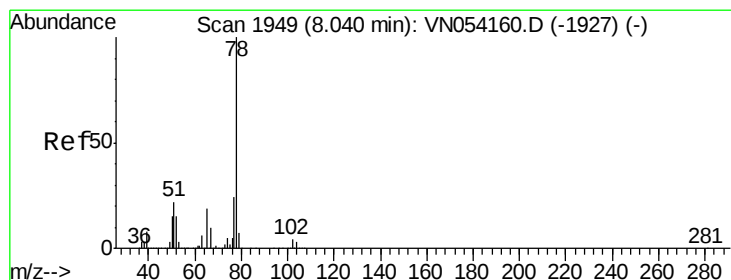
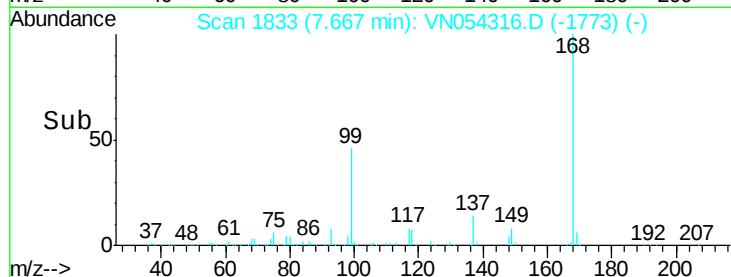
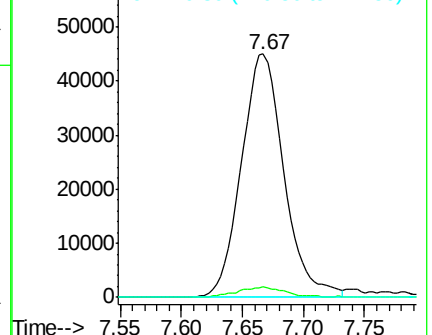
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 16.400 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054316.D

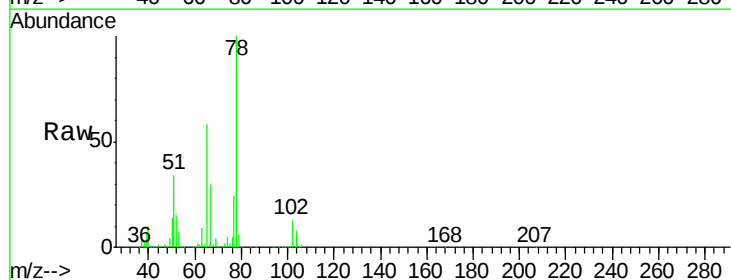
Acq: 15 Mar 2019 18:15

Tgt Ion: 78 Resp: 979392

Ion Ratio Lower Upper

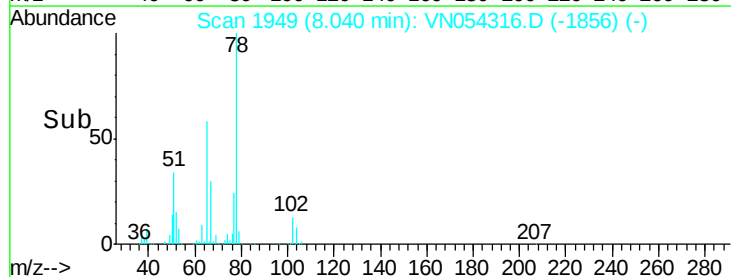
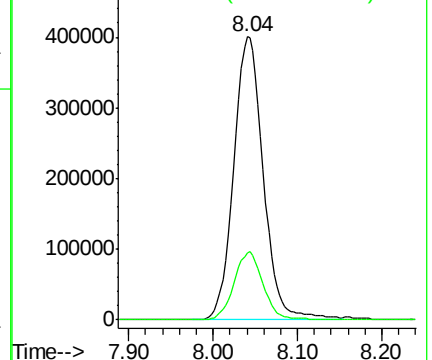
78 100

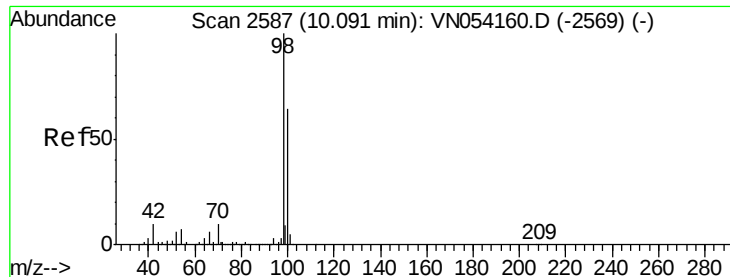
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 51.951 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

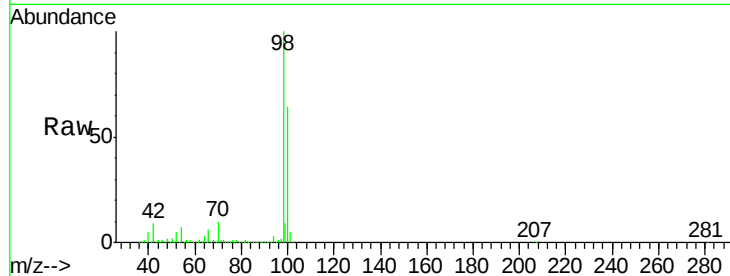
MW-1ADL

Tot Ion: 98 Resp: 2804269

Ion Ratio Lower Upper

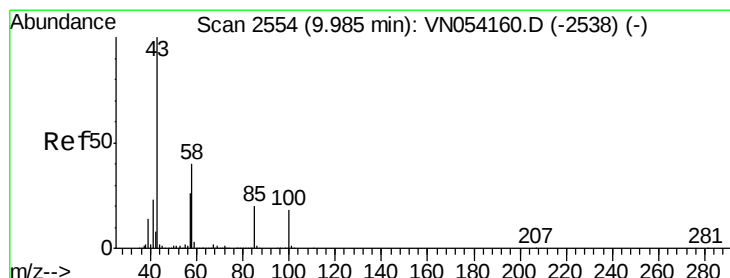
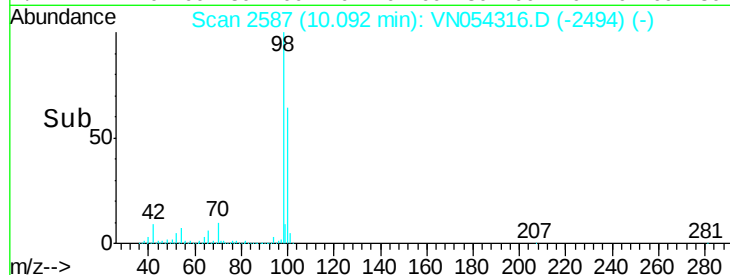
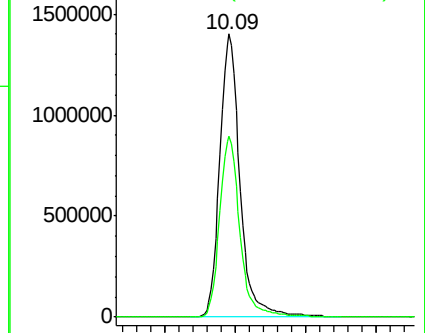
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#51

4-Methyl-2-Pentanone

Concen: 0.287 ug/l

RT: 10.00 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN054316.D

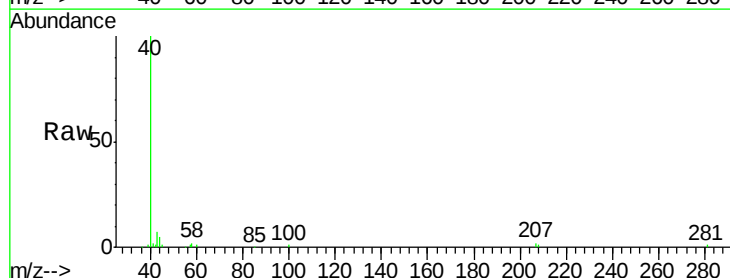
Acq: 15 Mar 2019 18:15

Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

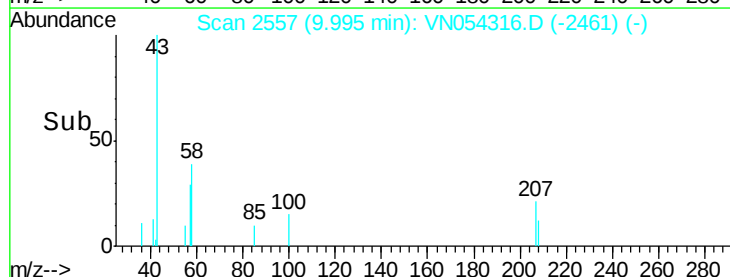
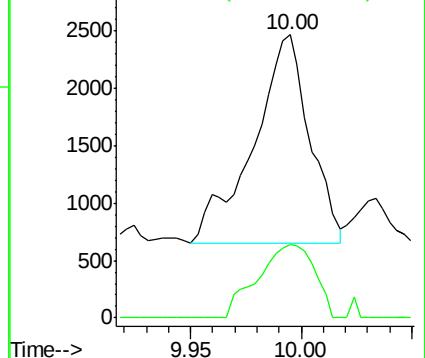
43 100

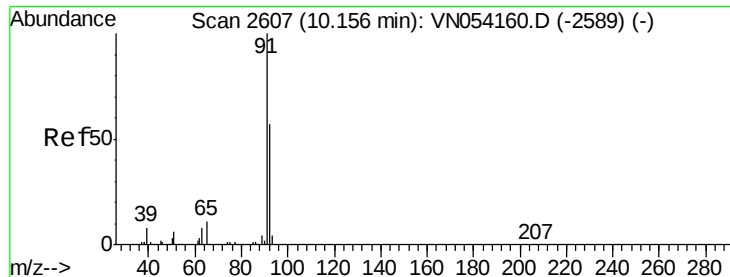
58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 21.821 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

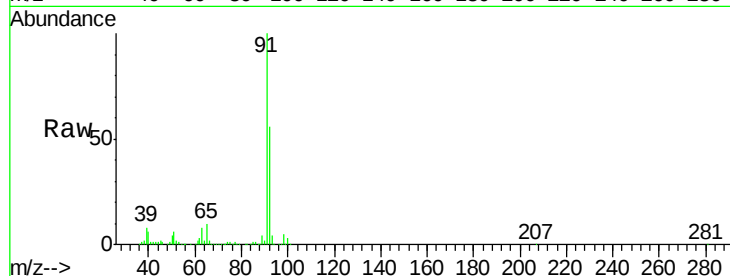
MW-1ADL

Tot Ion: 92 Resp: 826288

Ion Ratio Lower Upper

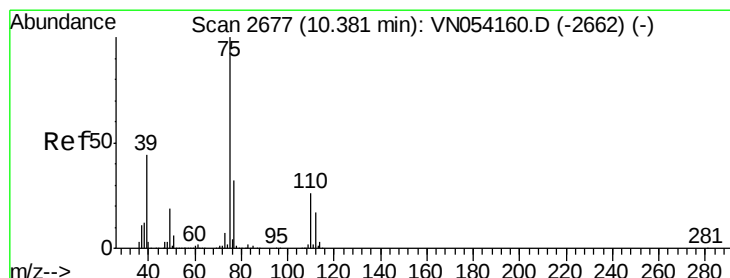
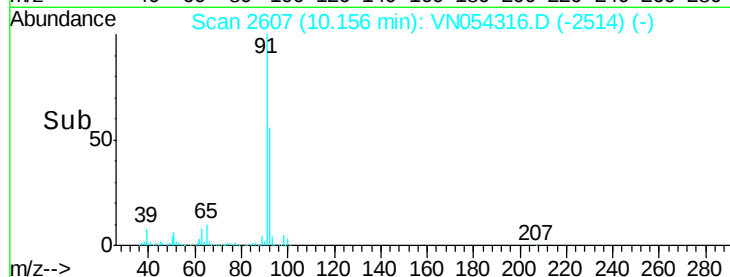
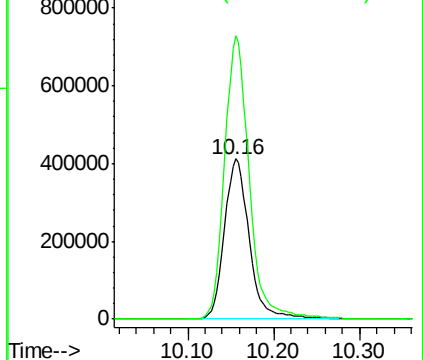
92 100

91 176.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.355 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN054316.D

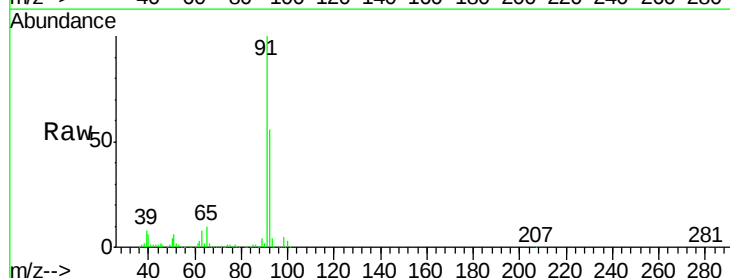
Acq: 15 Mar 2019 18:15

Tgt Ion: 75 Resp: 8827

Ion Ratio Lower Upper

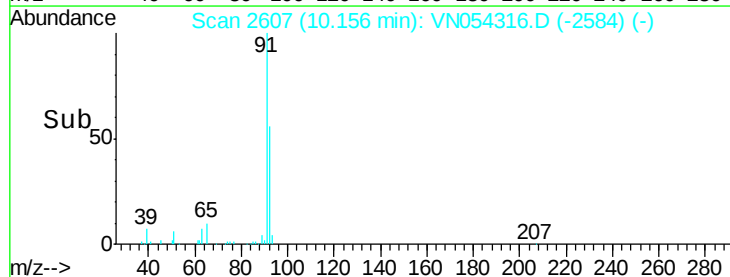
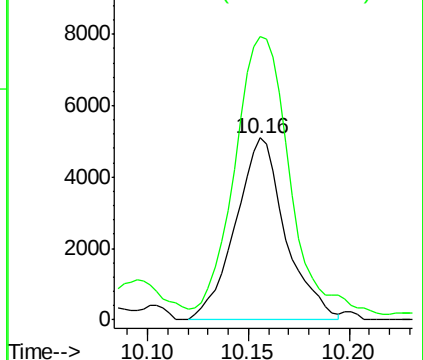
75 100

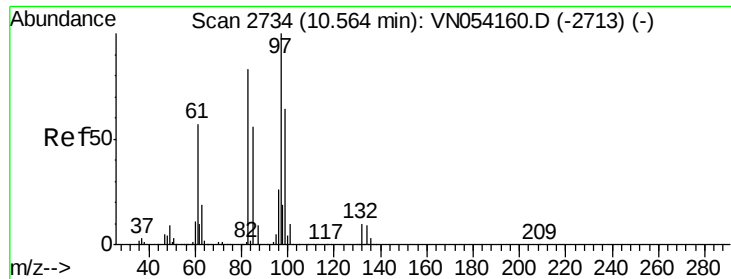
77 149.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

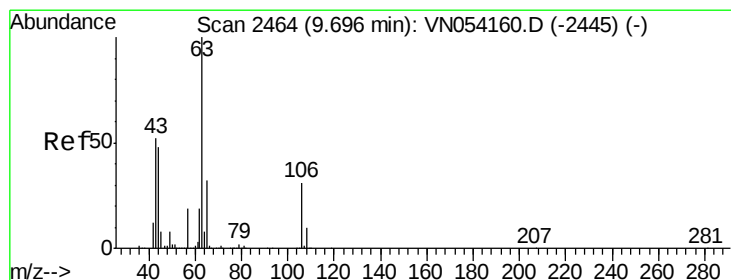
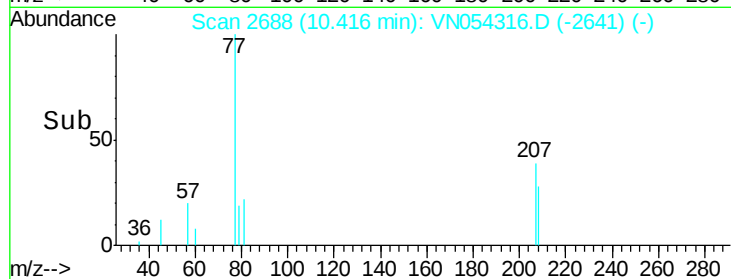
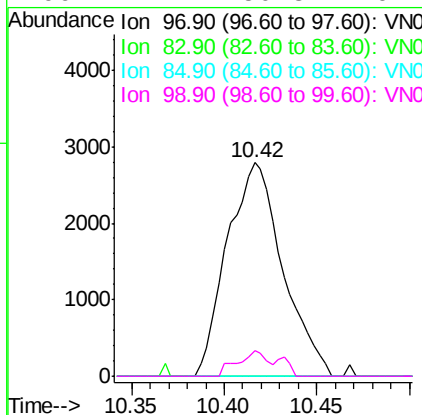
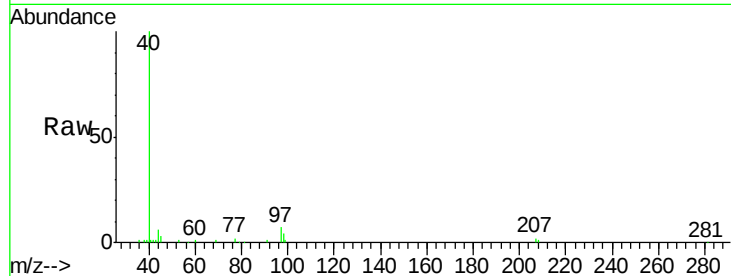




#55
 1,1,2-Trichloroethane
 Concen: 0.421 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.15 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

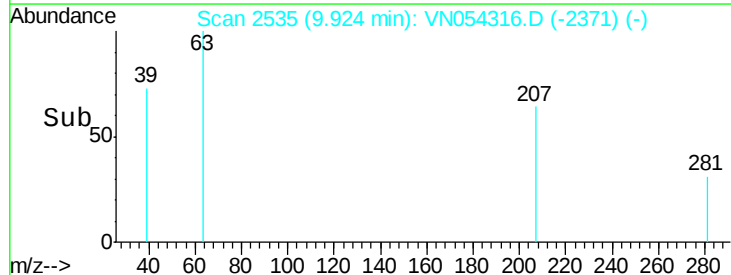
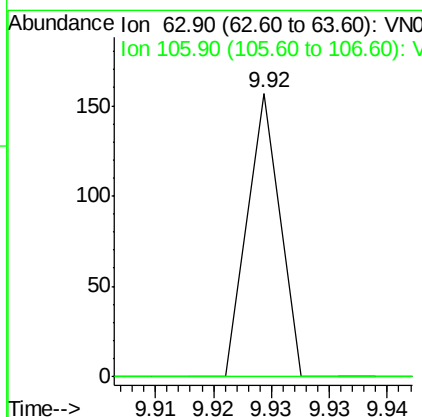
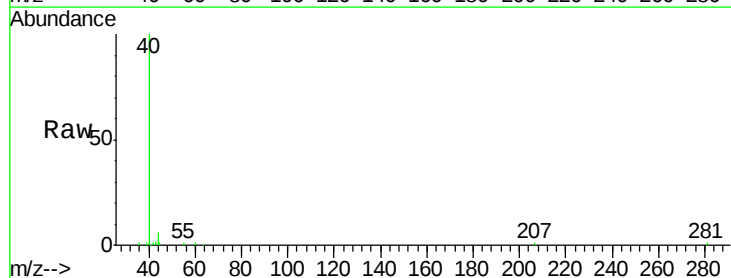
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

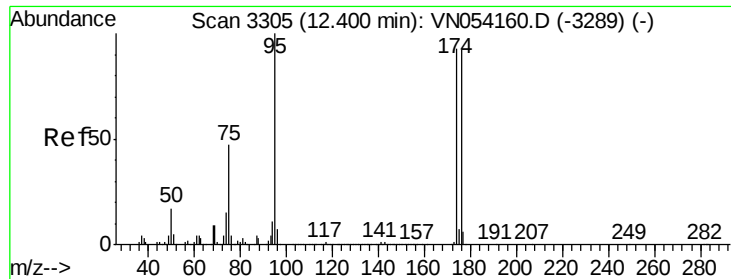
Tot Ion: 97 Resp: 5827
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.6 100.0#
 85 0.0 44.4 66.6#
 99 12.1 50.8 76.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.832 ug/l
 RT: 9.92 min Scan# 2535
 Delta R.T. 0.23 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

Tgt Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#





#62

4-Bromofluorobenzene

Concen: 59.791 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

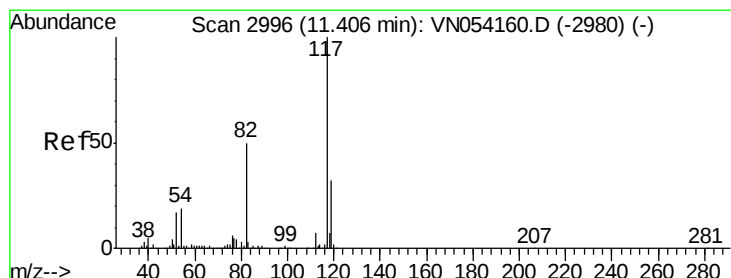
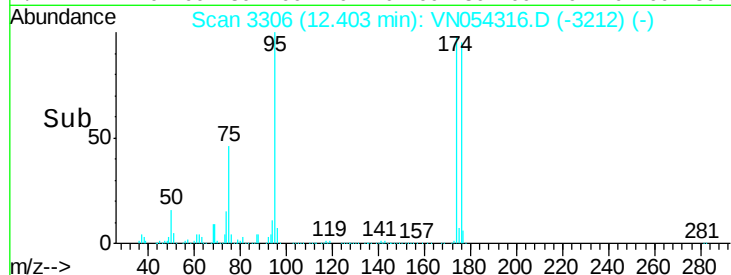
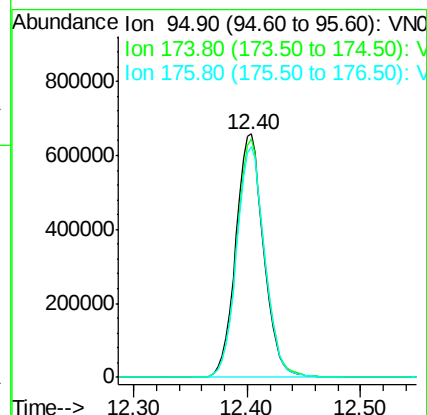
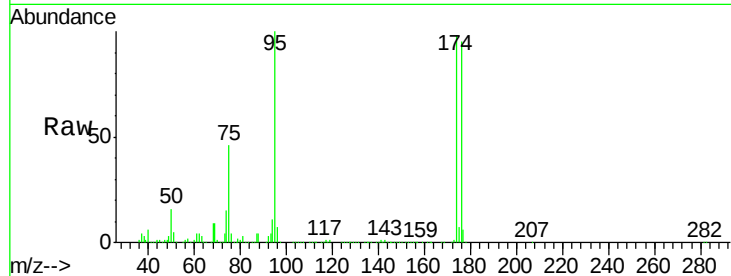
Tot Ion: 95 Resp: 1129286

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

176 95.2 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

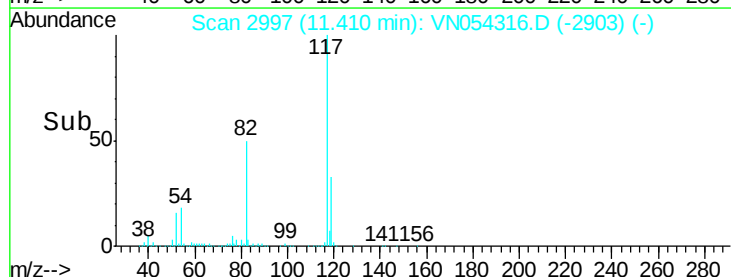
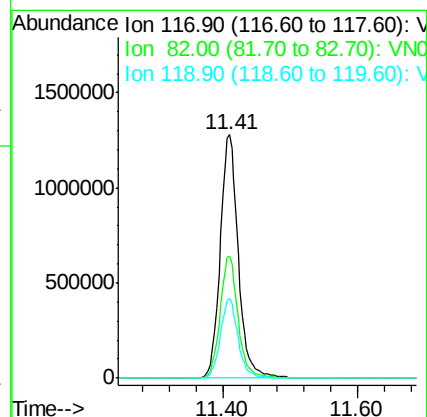
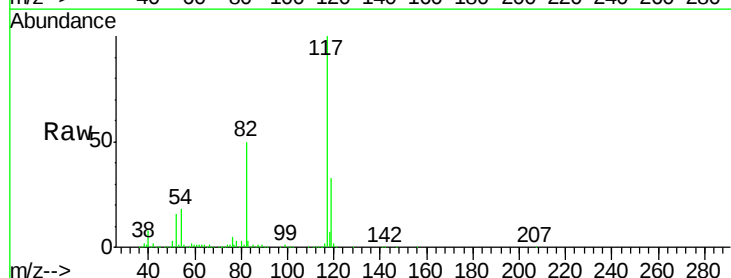
Tgt Ion: 117 Resp: 2386927

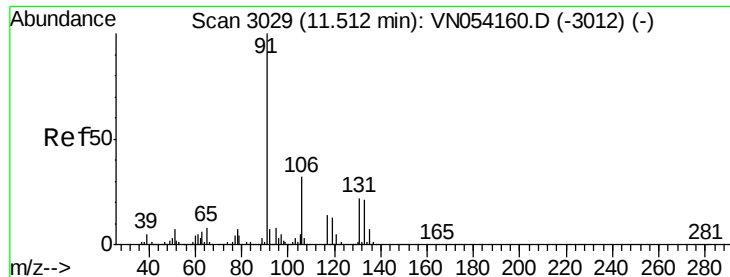
Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.5 25.8 38.6





#67

Ethyl Benzene

Concen: 9.058 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

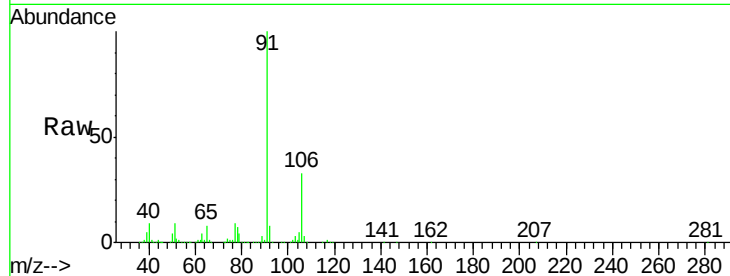
MW-1ADL

Tot Ion: 91 Resp: 786939

Ion Ratio Lower Upper

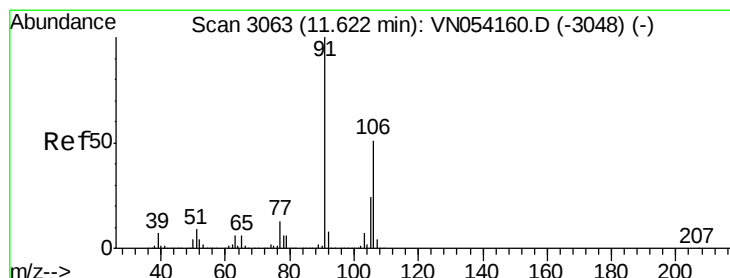
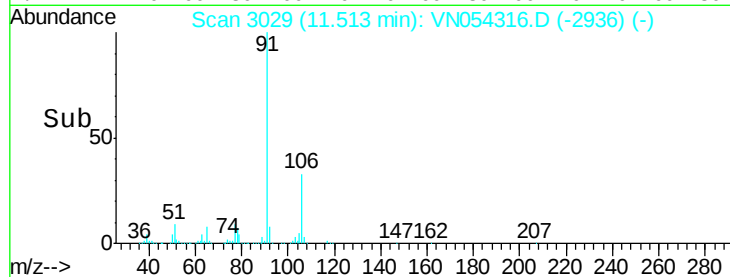
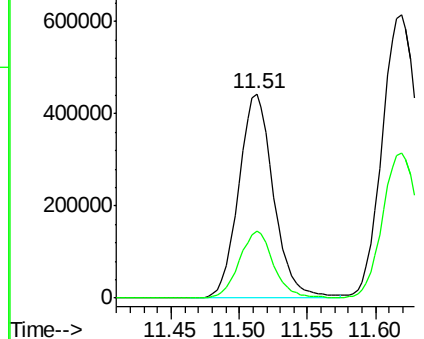
91 100

106 32.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054316.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN054316.D (-2936) (-)



#68

m/p-Xylenes

Concen: 18.058 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054316.D

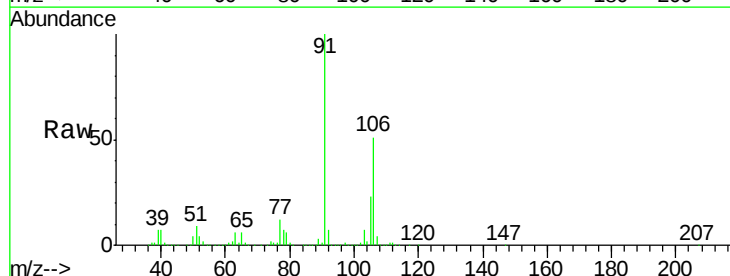
Acq: 15 Mar 2019 18:15

Tgt Ion: 106 Resp: 613178

Ion Ratio Lower Upper

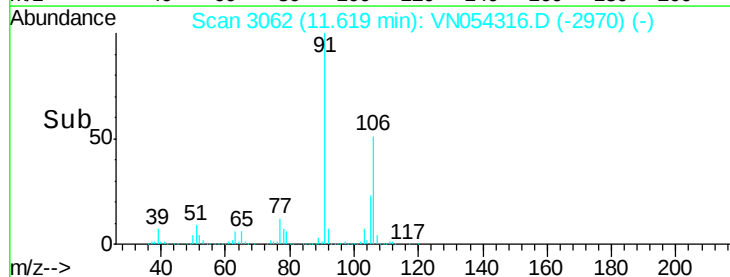
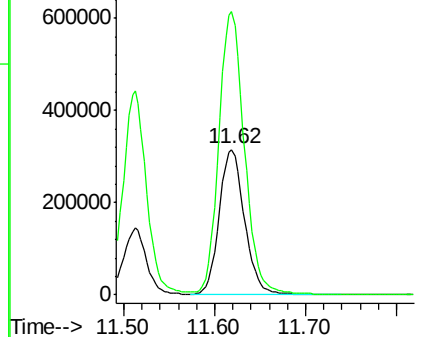
106 100

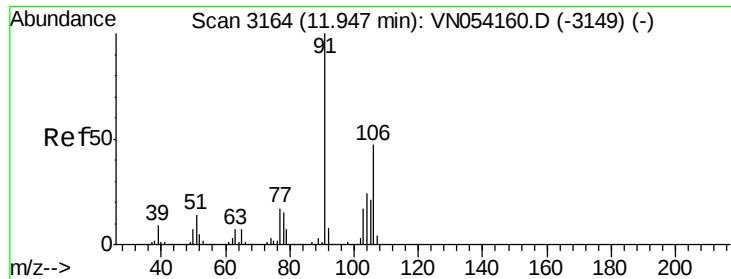
91 196.4 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054316.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN054316.D (-2970) (-)

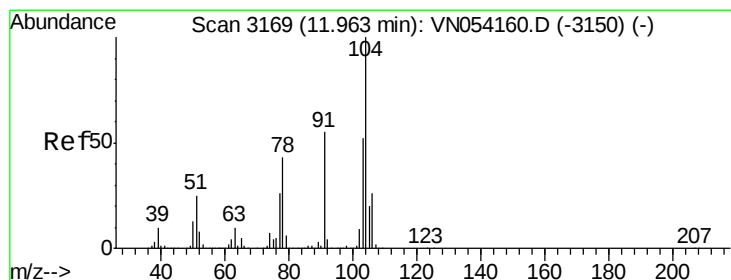
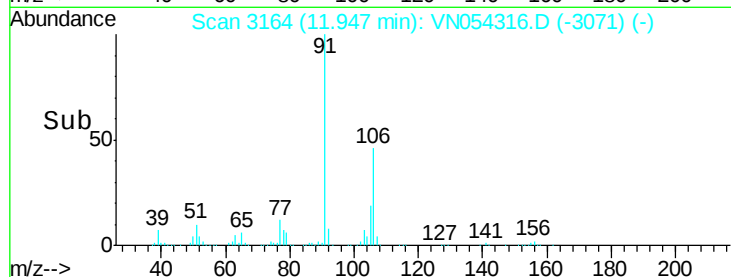
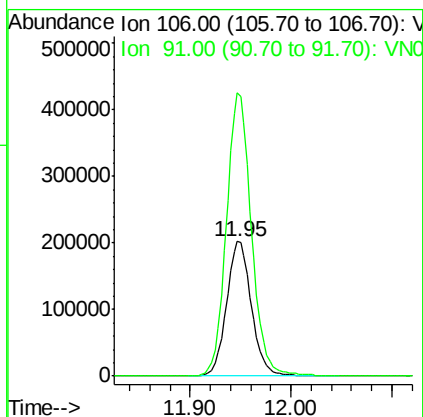
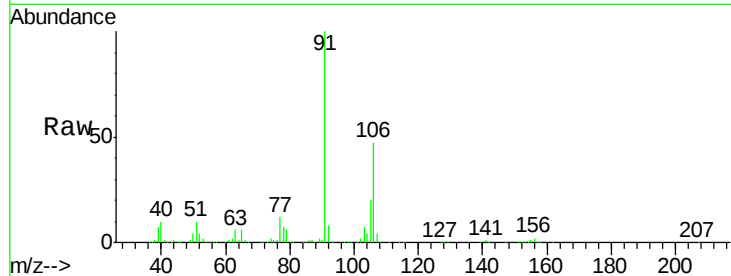




#69
o-Xylene
Concen: 10.515 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

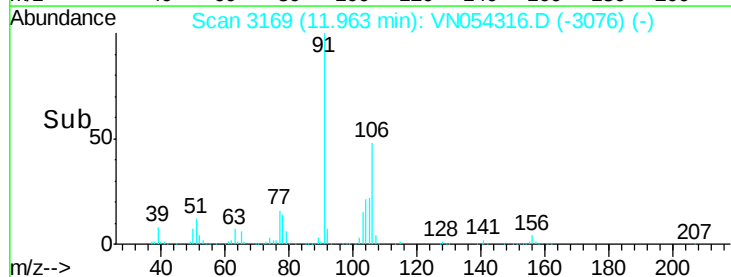
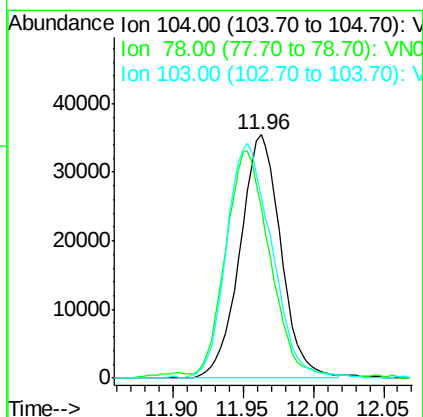
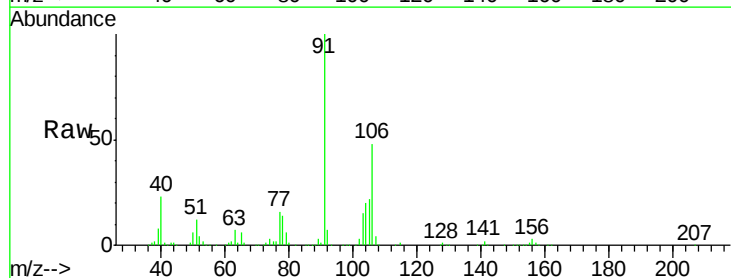
Instrument :
MSVOA_N
ClientSampled :
MW-1ADL

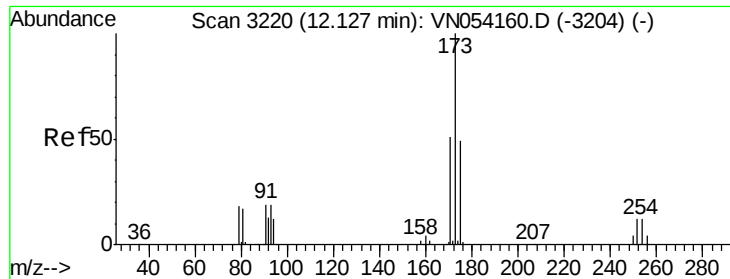
Tot Ion:106 Resp: 348069
Ion Ratio Lower Upper
106 100
91 210.7 105.7 317.1



#70
Styrene
Concen: 1.384 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054316.D
Acq: 15 Mar 2019 18:15

Tgt Ion:104 Resp: 71871
Ion Ratio Lower Upper
104 100
78 100.2 38.2 57.2#
103 106.9 44.4 66.6#





#71

Bromoform

Concen: 2.783 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

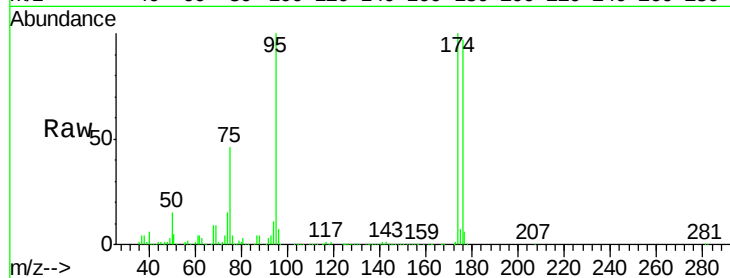
Tot Ion:173 Resp: 6586

Ion Ratio Lower Upper

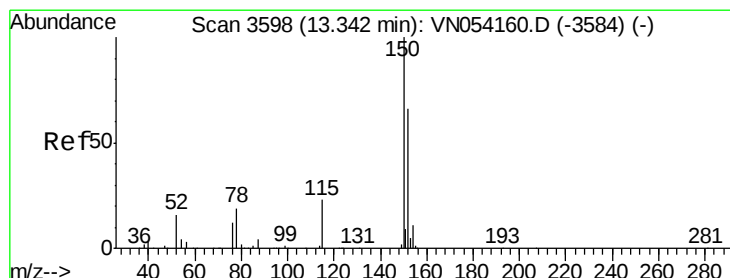
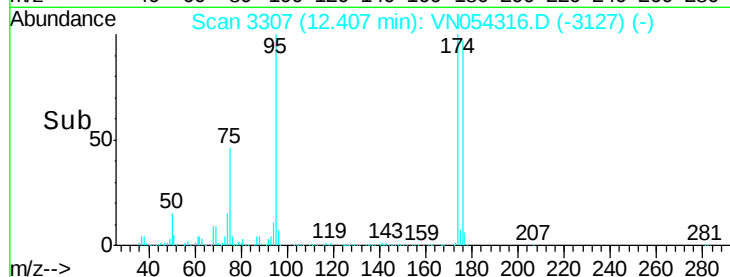
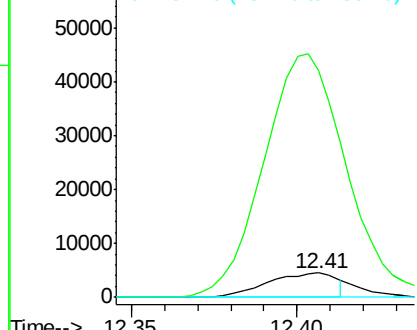
173 100

175 1007.6 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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

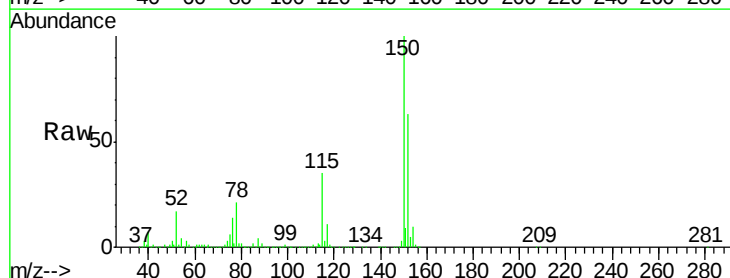
Tgt Ion:152 Resp: 1188493

Ion Ratio Lower Upper

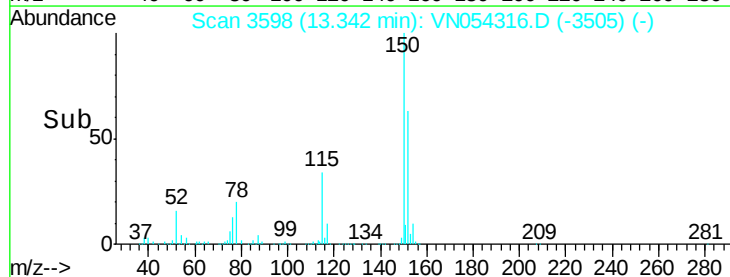
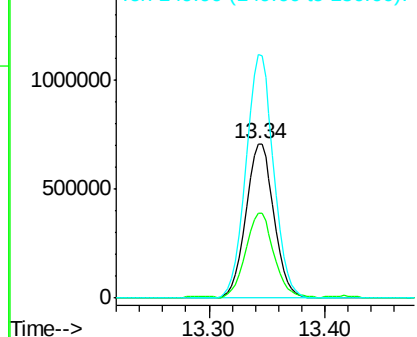
152 100

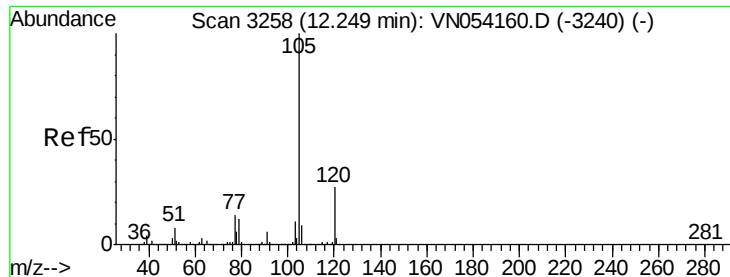
115 54.5 27.2 81.6

150 155.8 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: 0.835 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

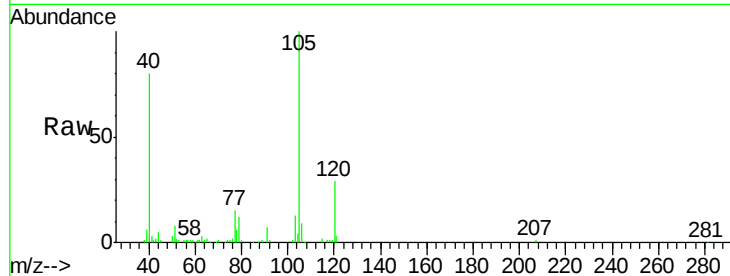
MW-1ADL

Tot Ion:105 Resp: 79397

Ion Ratio Lower Upper

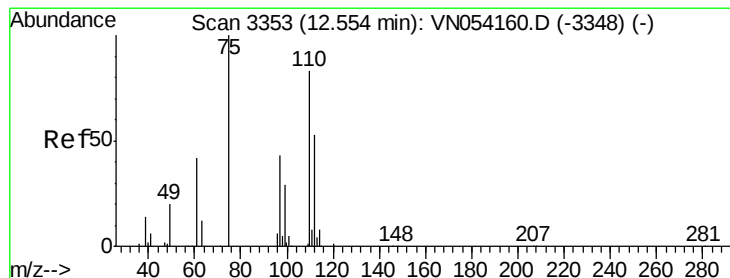
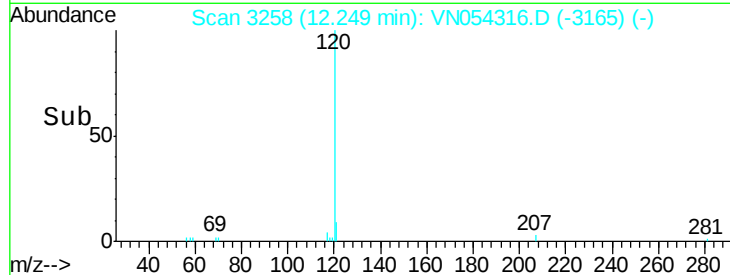
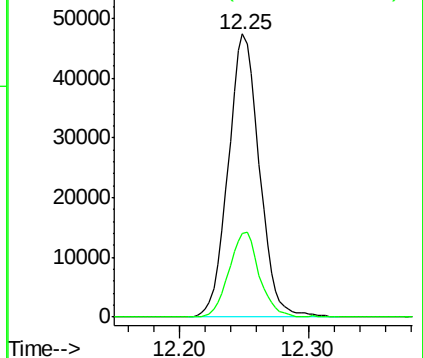
105 100

120 29.0 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: 30.496 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054316.D

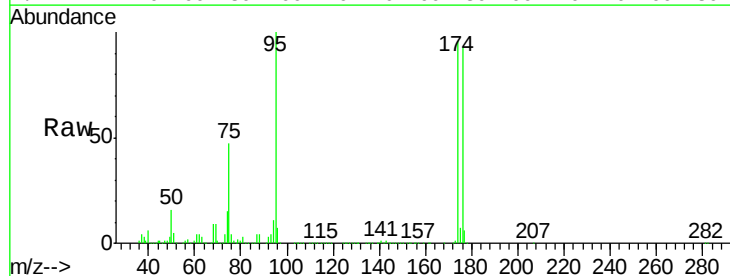
Acq: 15 Mar 2019 18:15

Tgt Ion: 75 Resp: 532982

Ion Ratio Lower Upper

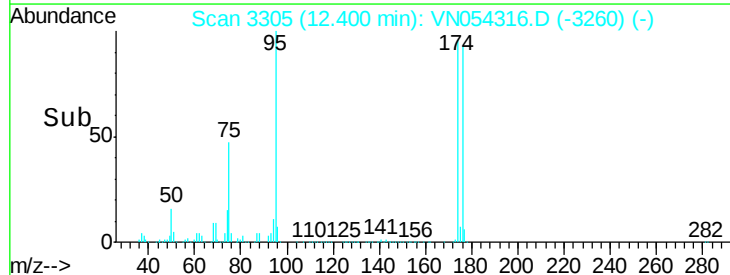
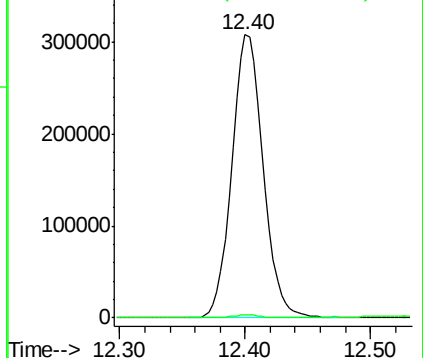
75 100

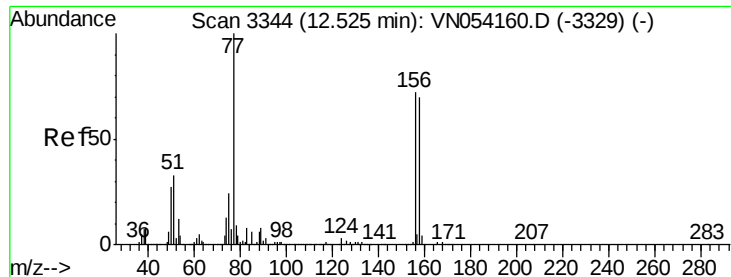
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 4.622 ug/l

RT: 12.54 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

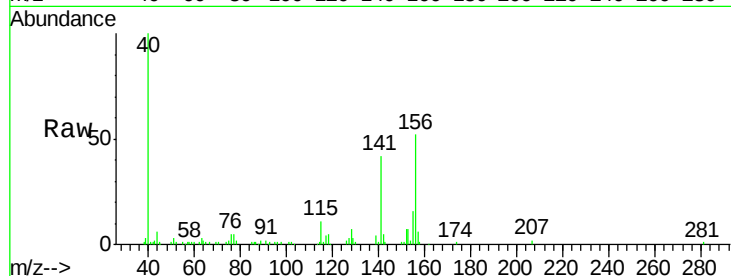
Tot Ion:156 Resp: 116300

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

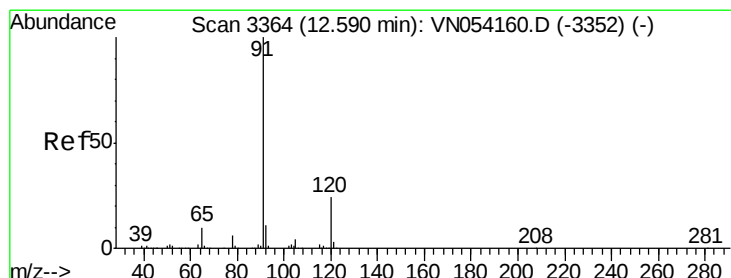
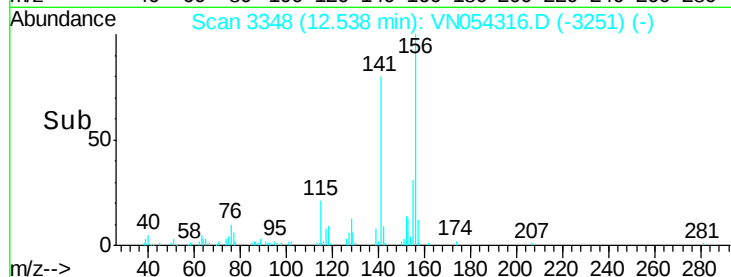
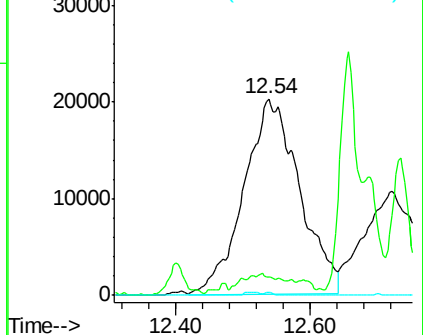
158 0.2 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.398 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054316.D

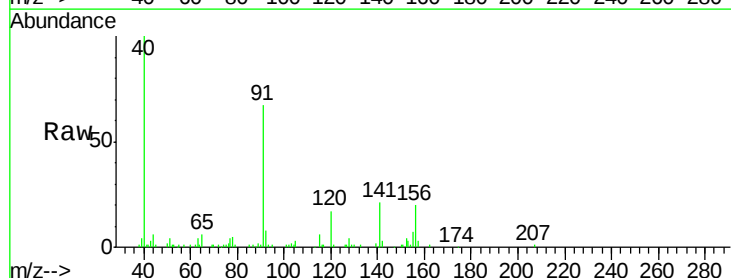
Acq: 15 Mar 2019 18:15

Tgt Ion: 91 Resp: 41110

Ion Ratio Lower Upper

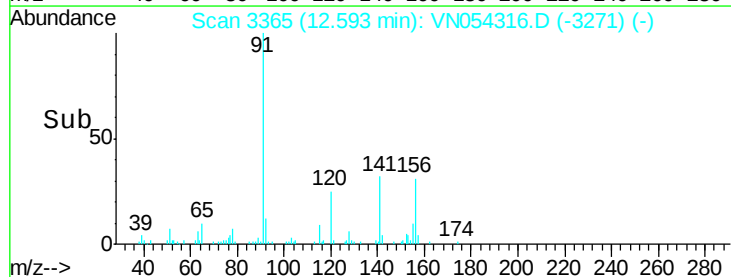
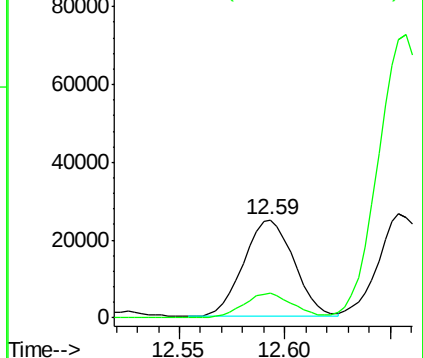
91 100

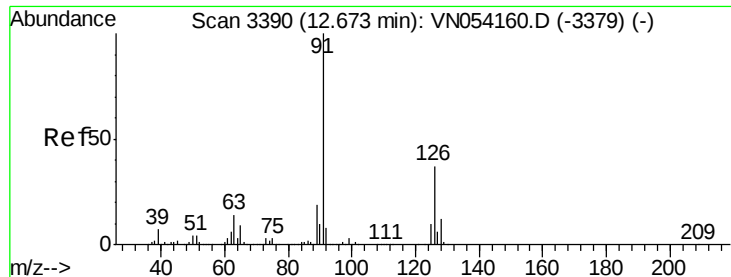
120 25.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.673 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

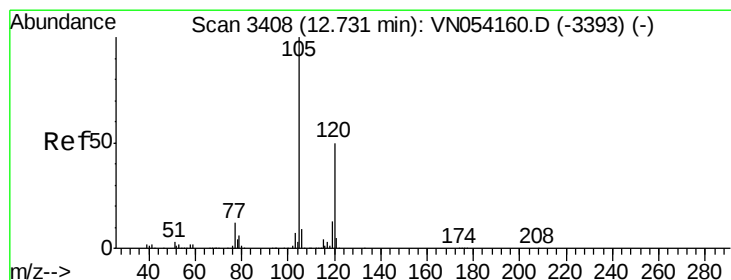
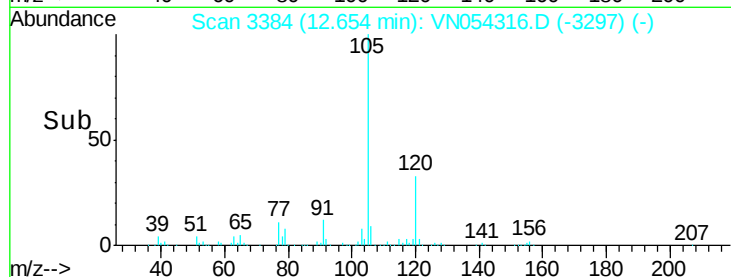
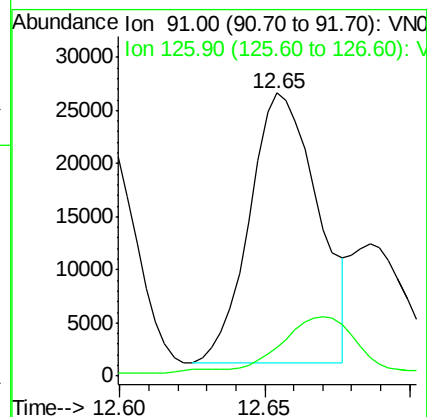
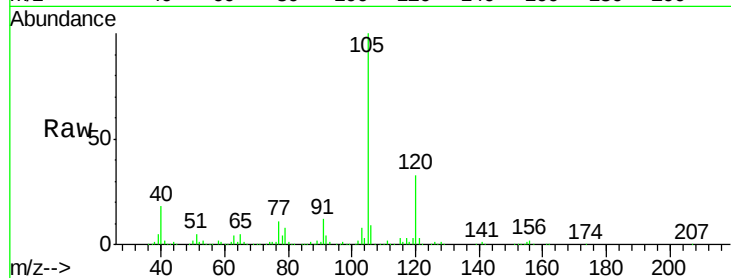
MW-1ADL

Tot Ion: 91 Resp: 41732

Ion Ratio Lower Upper

91 100

126 27.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 2.250 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054316.D

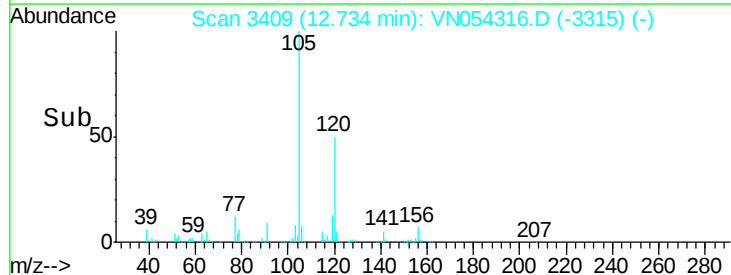
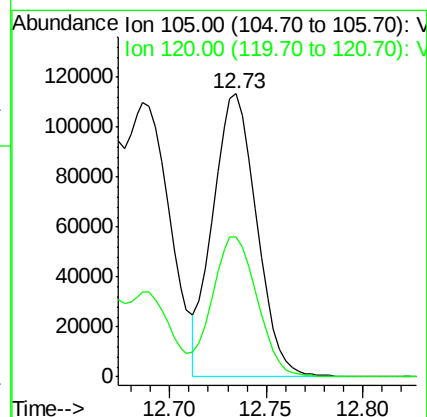
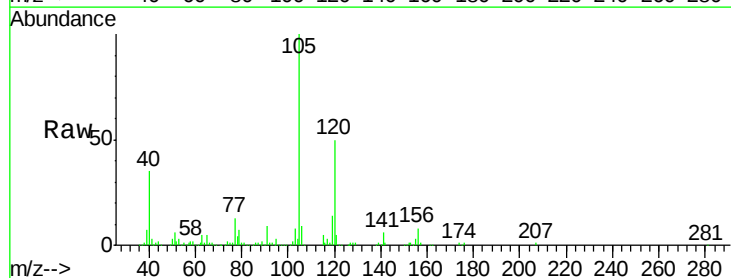
Acq: 15 Mar 2019 18:15

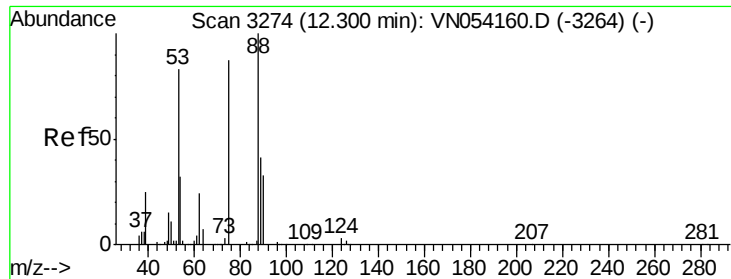
Tgt Ion: 105 Resp: 177932

Ion Ratio Lower Upper

105 100

120 51.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 104.248 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

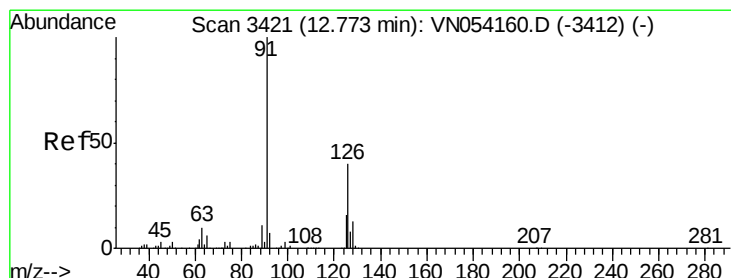
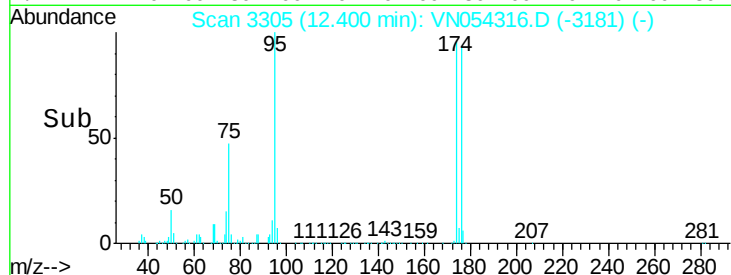
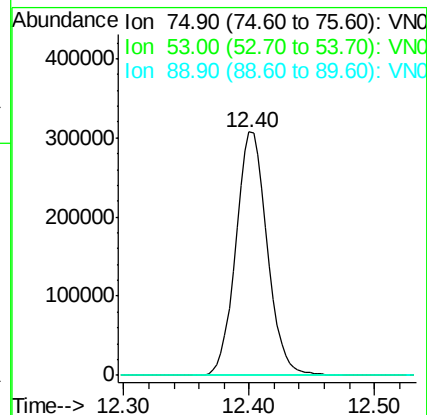
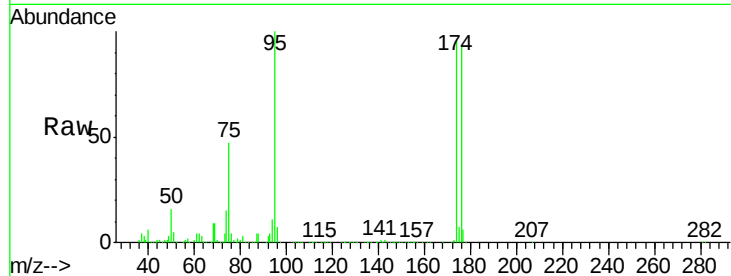
Tot Ion: 75 Resp: 532982

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 0.674 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.12 min

Lab File: VN054316.D

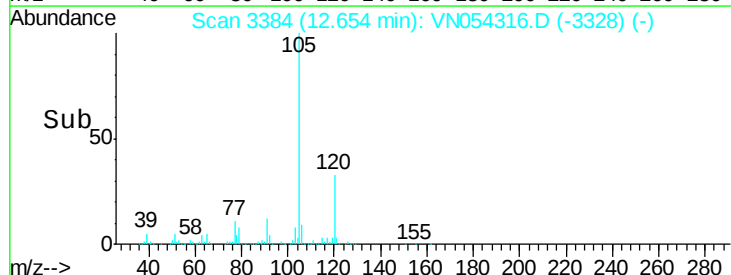
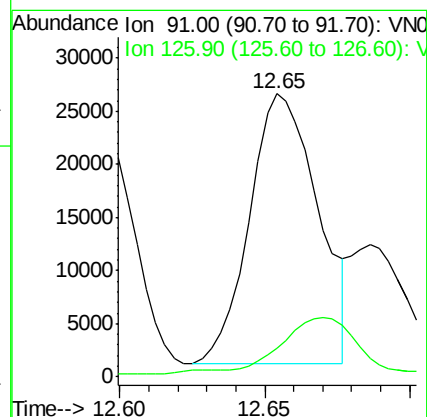
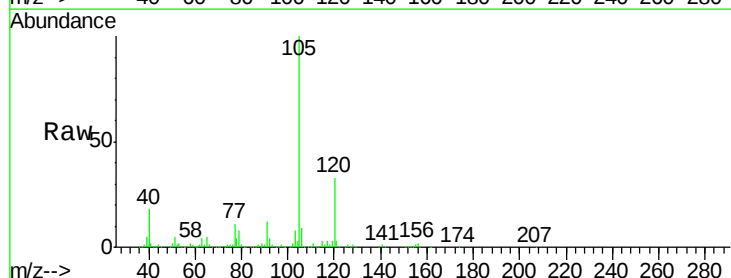
Acq: 15 Mar 2019 18:15

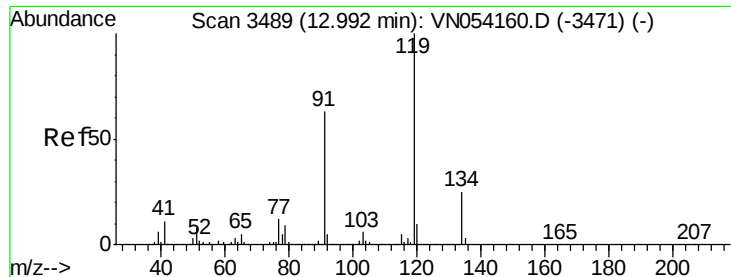
Tgt Ion: 91 Resp: 41732

Ion Ratio Lower Upper

91 100

126 27.8 18.1 54.1





#83

tert-Butylbenzene

Concen: 1.111 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

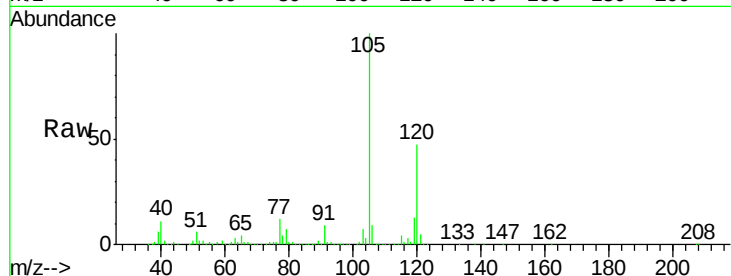
Tot Ion:119 Resp: 80896

Ion Ratio Lower Upper

119 100

91 84.2 30.9 92.8

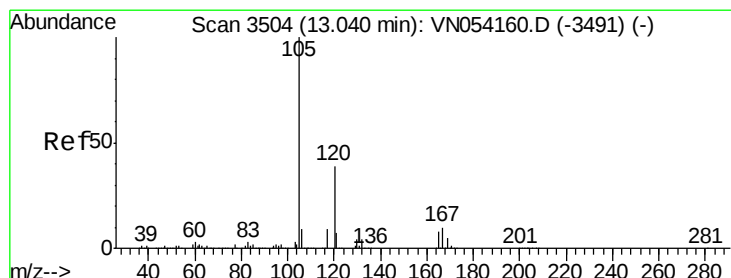
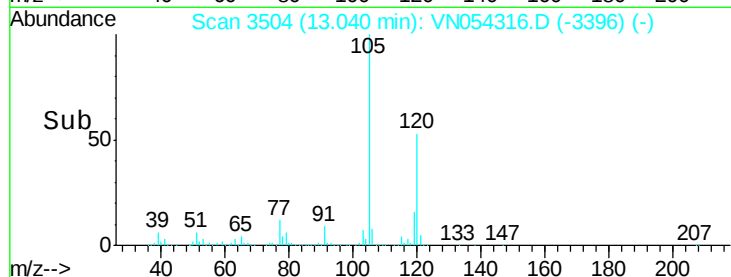
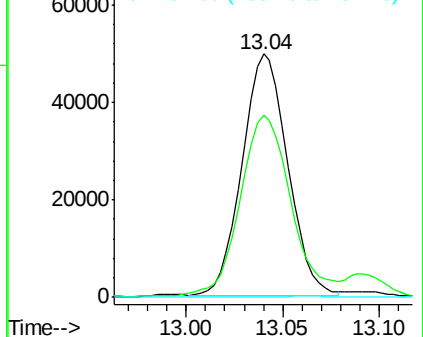
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.334 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054316.D

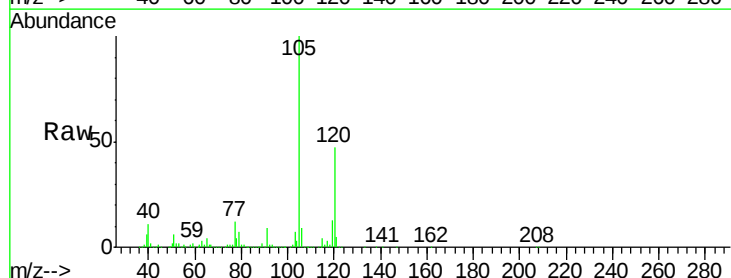
Acq: 15 Mar 2019 18:15

Tgt Ion:105 Resp: 646628

Ion Ratio Lower Upper

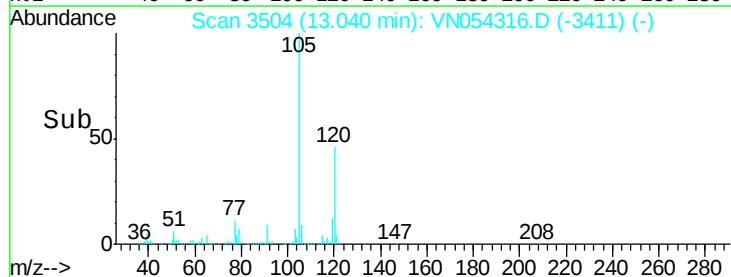
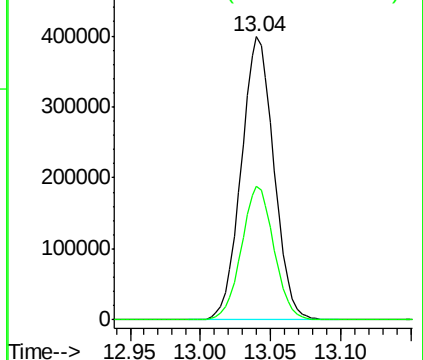
105 100

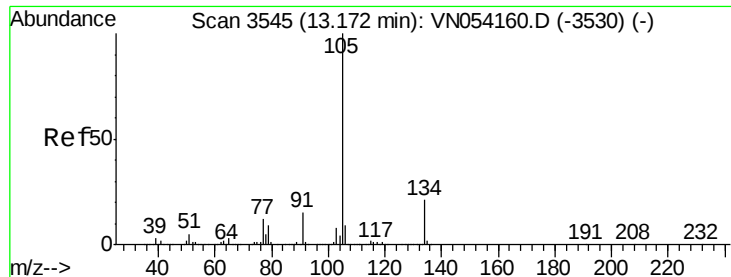
120 46.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

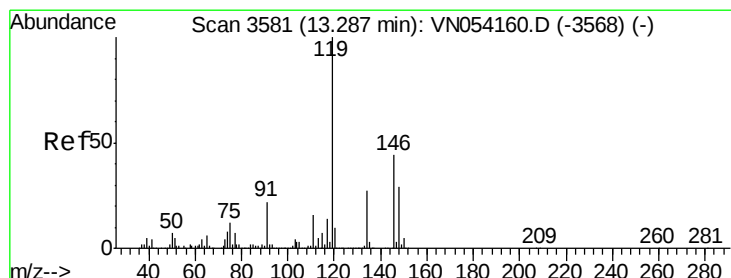
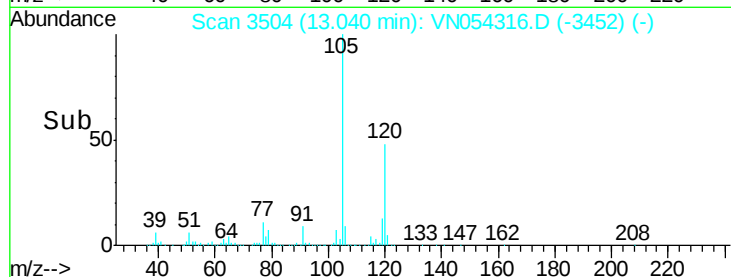
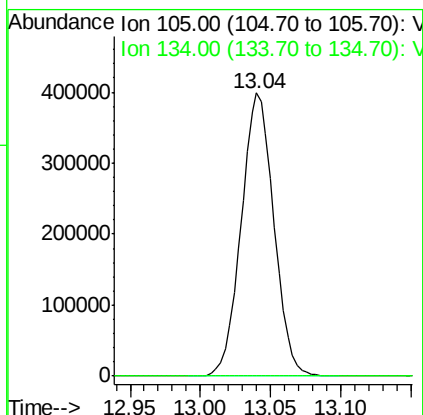
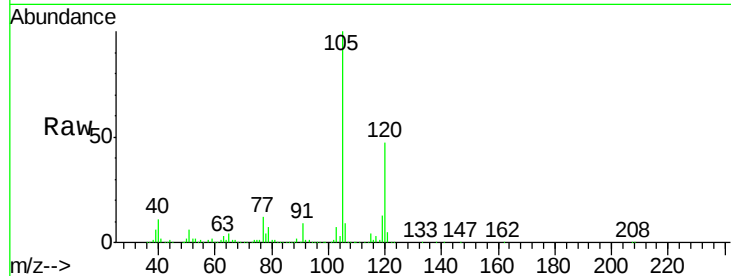




#85
 sec-Butylbenzene
 Concen: 6.849 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

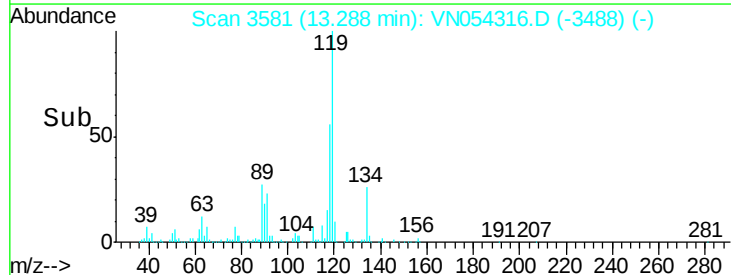
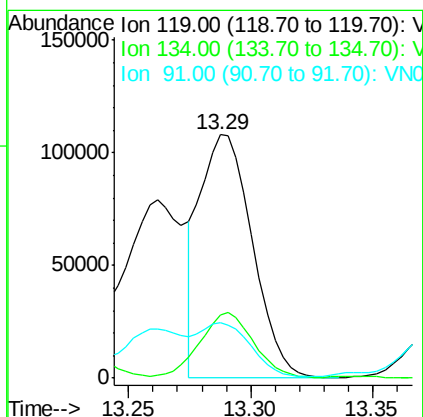
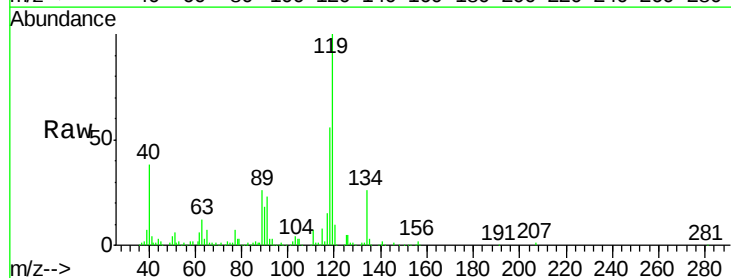
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

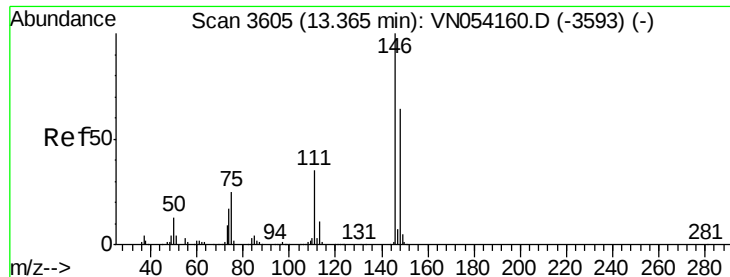
Tot Ion:105 Resp: 646628
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 32.1#



#86
 p-Isopropyltoluene
 Concen: 1.928 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054316.D
 Acq: 15 Mar 2019 18:15

Tgt Ion:119 Resp: 159679
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 19.4 11.1 33.3





#88

1,4-Dichlorobenzene

Concen: 0.260 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

MW-1ADL

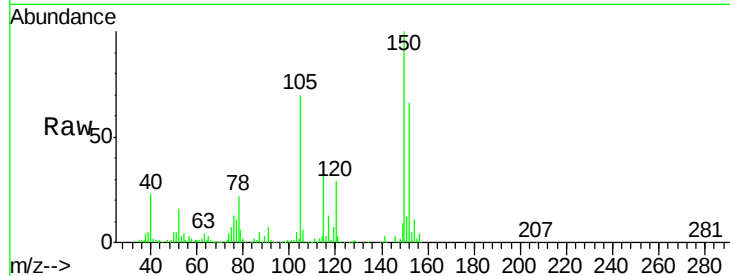
Tot Ion:146 Resp: 10820

Ion Ratio Lower Upper

146 100

111 132.2 18.1 54.1#

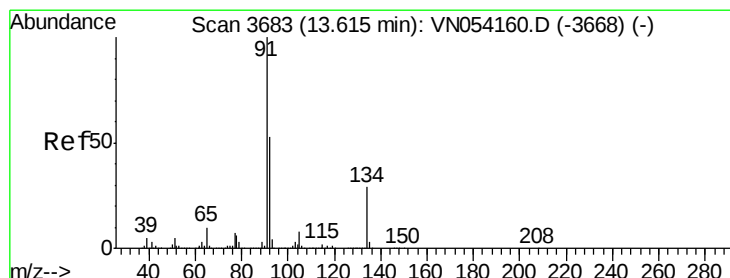
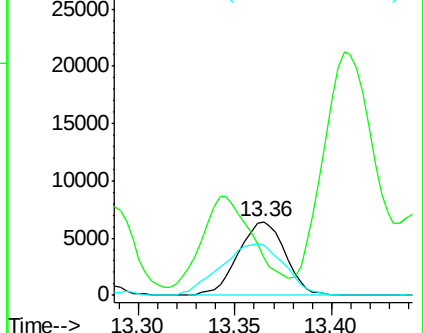
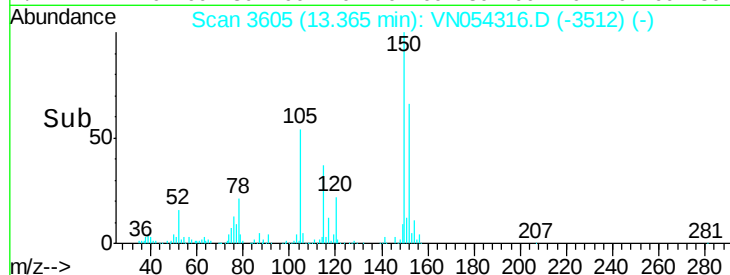
148 94.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 7.867 ug/l

RT: 13.54 min Scan# 3661

Delta R.T. -0.07 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

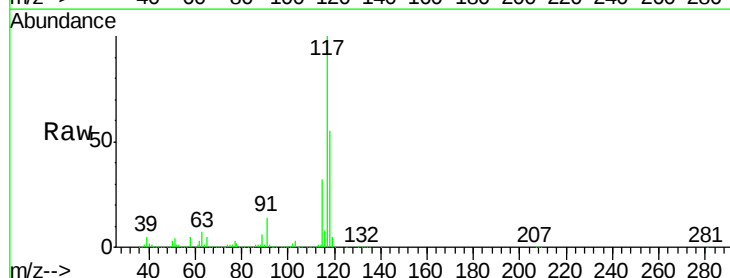
Tgt Ion: 91 Resp: 495104

Ion Ratio Lower Upper

91 100

92 10.3 26.2 78.6#

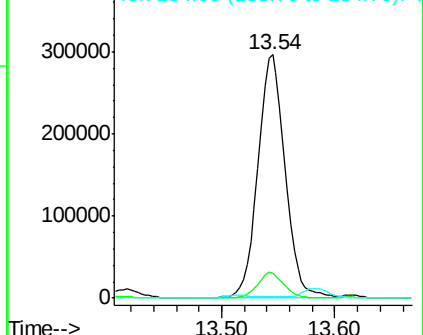
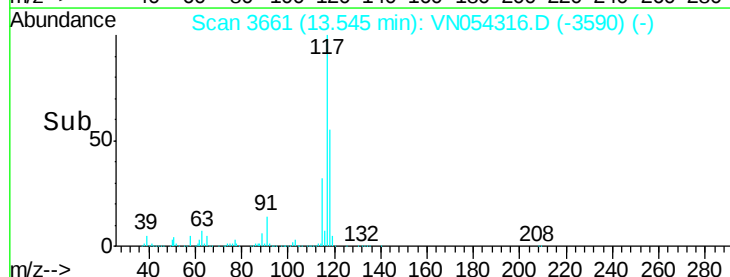
134 0.0 14.3 42.9#

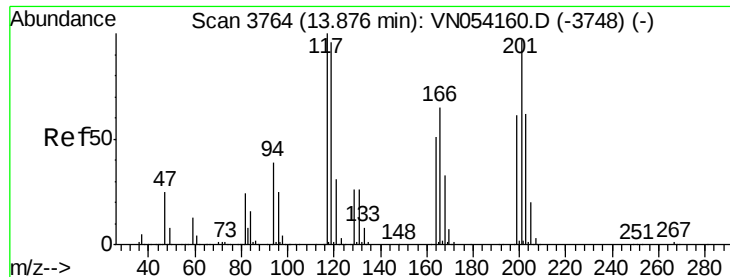


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.668 ug/l

RT: 13.95 min Scan# 3786

Delta R.T. 0.07 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

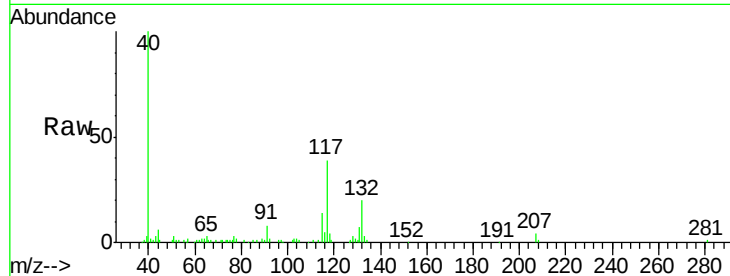
MW-1ADL

Tot Ion:117 Resp: 22880

Ion Ratio Lower Upper

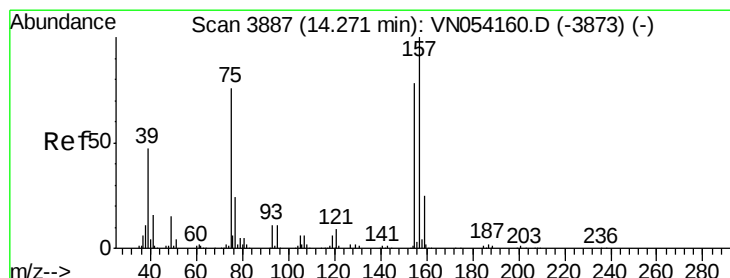
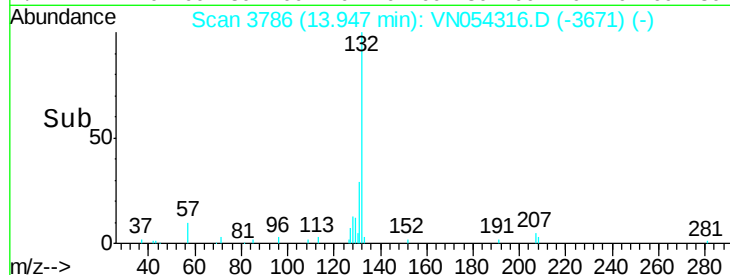
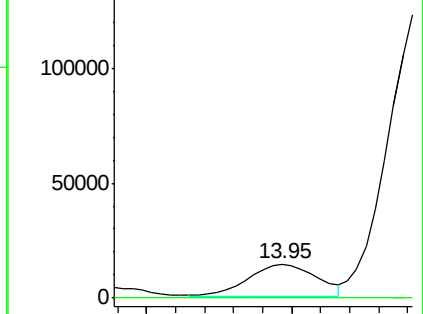
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.469 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

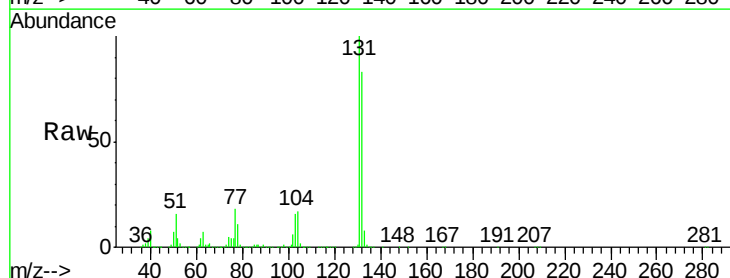
Tgt Ion: 75 Resp: 45358

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

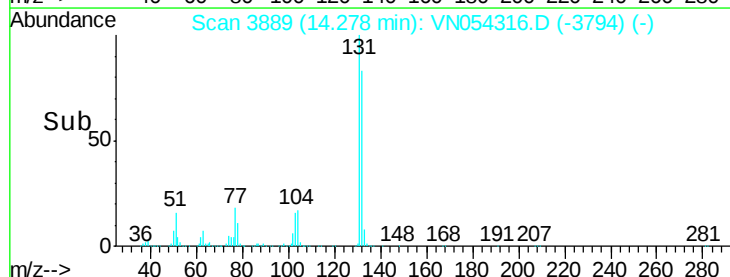
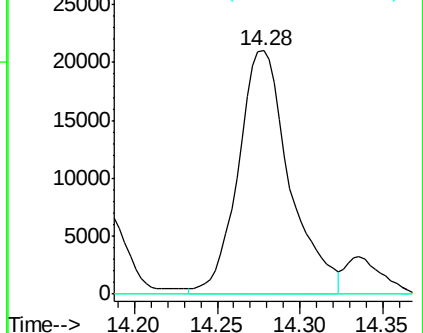
157 0.0 63.1 189.3#

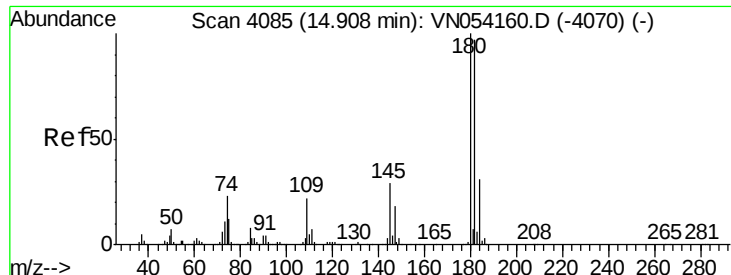


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.549 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054316.D

Acq: 15 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

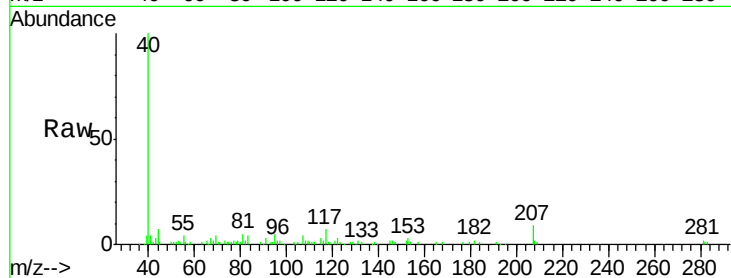
Tot Ion:180 Resp: 863

Ion Ratio Lower Upper

180 100

182 132.9 48.0 144.2

145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

