

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007287.D
 Acq On : 06 Dec 2018 19:09
 Operator : SY/AP
 Sample : J6248-07RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:16:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	66998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.45	152	160506	50.00	ug/l	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	38165	61.18	ug/l	0.00
Spiked Amount						
			Recovery	=	122.36%	
35) Dibromofluoromethane	7.89	113	35137	49.81	ug/l	0.00
Spiked Amount						
			Recovery	=	99.62%	
50) Toluene-d8	10.32	98	170355	54.83	ug/l	0.00
Spiked Amount						
			Recovery	=	109.66%	
62) 4-Bromofluorobenzene	12.60	95	1638649	1397.22	ug/l	-0.02
Spiked Amount						
			Recovery	=	2794.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	2105	17.769	ug/l #	75
16) Acetone	4.13	43	4488	30.392	ug/l	98
20) Methylene Chloride	4.92	84	3354	Below Cal		85
25) 2-Butanone	7.17	43	1745	10.194	ug/l #	46
31) Cyclohexane	7.95	56	4004	3.235	ug/l #	56
36) 1,1-Dichloropropene	7.95	75	4971	4.147	ug/l #	49
37) Ethyl Acetate	7.17	43	1745	4.025	ug/l #	67
38) Carbon Tetrachloride	7.95	117	6674	5.455	ug/l #	17
39) Methylcyclohexane	9.34	83	44381	27.658	ug/l	90
43) Isopropyl Acetate	8.43	43	2665	3.165	ug/l #	50
47) Bromodichloromethane	9.62	83	2112	2.020	ug/l #	92
48) Methyl methacrylate	9.47	41	1205	2.757	ug/l #	37
51) 4-Methyl-2-Pentanone	10.10	43	308831	744.182	ug/l #	41
52) Toluene	10.39	92	10919	4.776	ug/l	91
55) 1,1,2-Trichloroethane	10.76	97	547982	969.281	ug/l #	20
56) Ethyl methacrylate	10.63	69	134539	182.435	ug/l #	25
59) 2-Hexanone	10.95	43	3735120	12415.802	ug/l #	27
60) Dibromochloromethane	11.06	129	8268	11.899	ug/l #	52
61) 1,2-Dibromoethane	11.26	107	5000	9.221	ug/l #	78
64) Tetrachloroethene	10.87	164	9871	19.183	ug/l	95
65) Chlorobenzene	11.79	112	186717	118.706	ug/l #	46
67) Ethyl Benzene	11.74	91	309585	107.988	ug/l	98
68) m/p-Xylenes	11.85	106	2251656	2002.053	ug/l	87
69) o-Xylene	12.18	106	1296884	1234.212	ug/l	79
70) Styrene	12.18	104	69881	40.627	ug/l #	1
73) Isopropylbenzene	12.49	105	2705044	207.212	ug/l	97
74) N-amyl acetate	12.30	43	8979132	3879.455	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.73	83	481456	283.974	ug/l #	61
76) 1,2,3-Trichloropropane	12.73	75	5705	4.590	ug/l #	100
77) Bromobenzene	12.74	156	11246	3.991	ug/l #	1
78) n-propylbenzene	12.83	91	6221432	400.020	ug/l	94
79) 2-Chlorotoluene	12.97	91	440262	50.128	ug/l	85
80) 1,3,5-Trimethylbenzene	12.97	105	2954184	264.526	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.49	75	37069	64.287	ug/l #	1

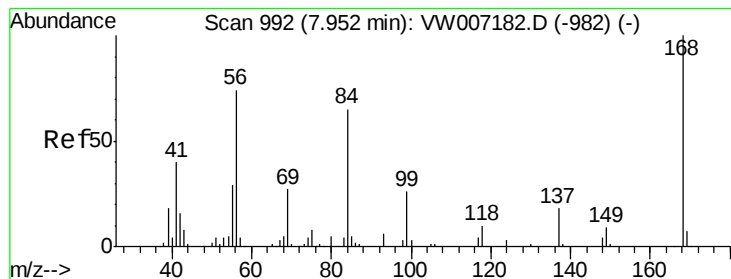
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.97	91	440262	47.120	ug/l	87
83) tert-Butylbenzene	13.22	119	726609	74.451	ug/l	82
84) 1,2,4-Trimethylbenzene	13.27	105	17666495	1549.707	ug/l	88
85) sec-Butylbenzene	13.40	105	4612464	331.052	ug/l	84
86) p-Isopropyltoluene	13.52	119	2195151	176.986	ug/l	95
89) n-Butylbenzene	13.83	91	2729511	235.503	ug/l #	73
90) Hexachloroethane	14.11	117	353373	186.964	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3103	9.448	ug/l #	1
95) Naphthalene	15.37	128	152807	24.568	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

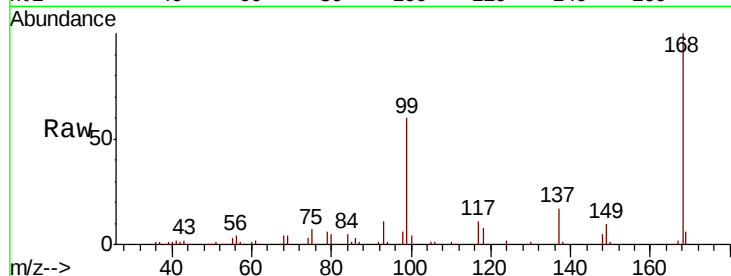
ClientSampleId :

Tot Ion:168 Resp: 66998

Ion Ratio Lower Upper

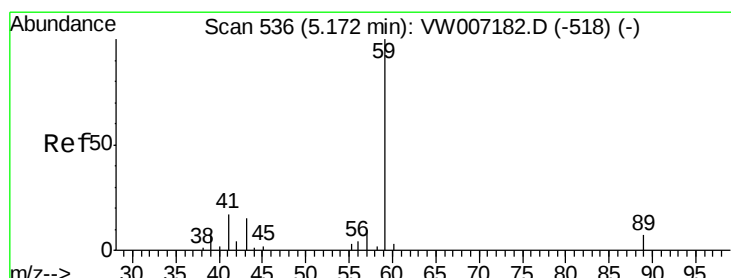
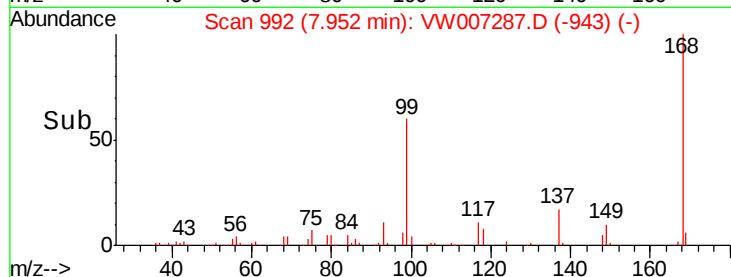
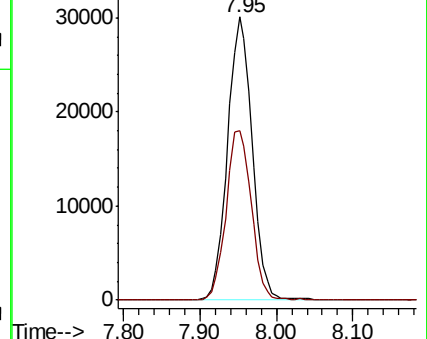
168 100

99 59.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 17.769 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW007287.D

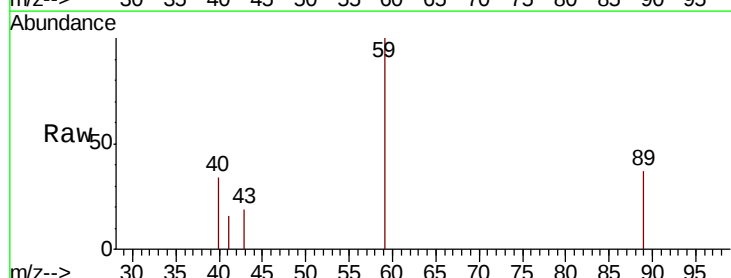
Acq: 06 Dec 2018 19:09

Tgt Ion: 59 Resp: 2105

Ion Ratio Lower Upper

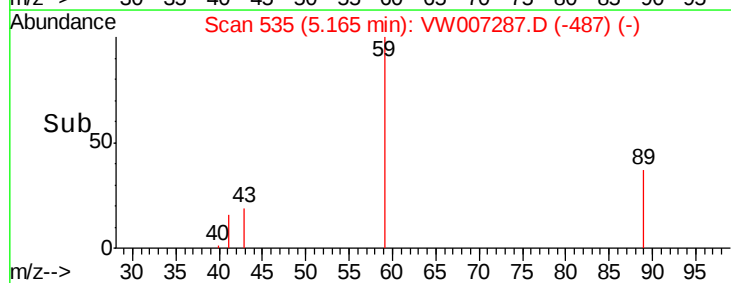
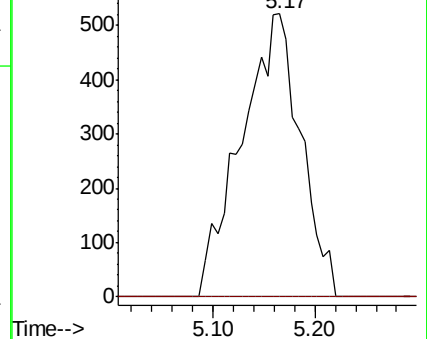
59 100

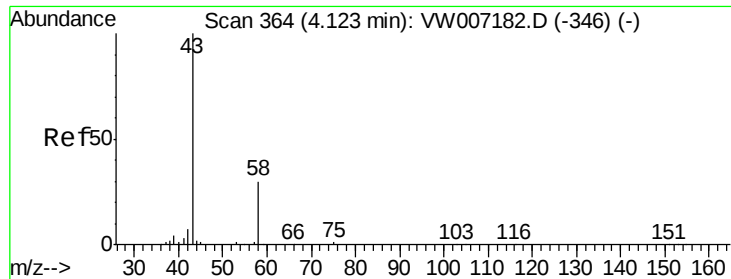
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 30.392 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

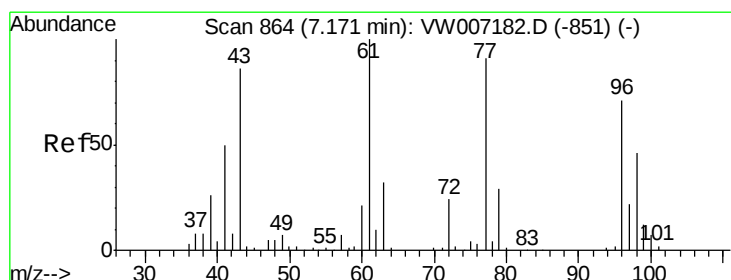
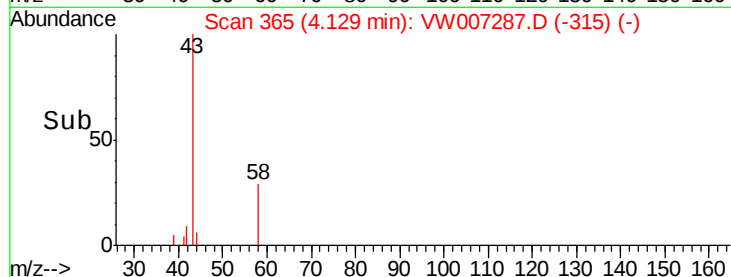
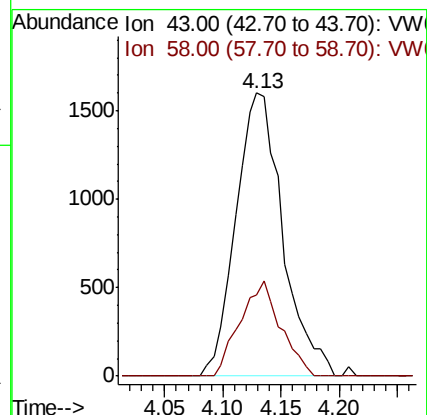
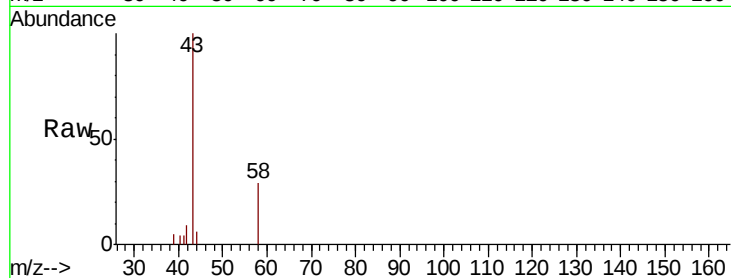
ClientSampleId :

Tot Ion: 43 Resp: 4488

Ion Ratio Lower Upper

43 100

58 28.7 23.8 35.8



#25

2-Butanone

Concen: 10.194 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007287.D

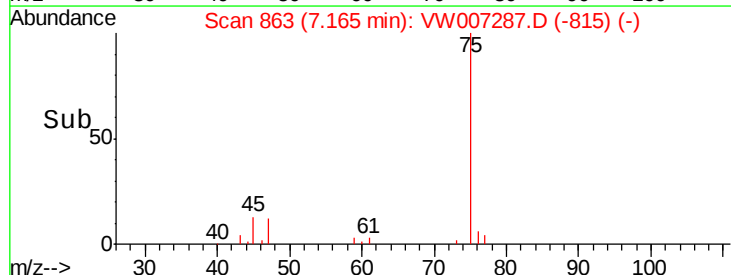
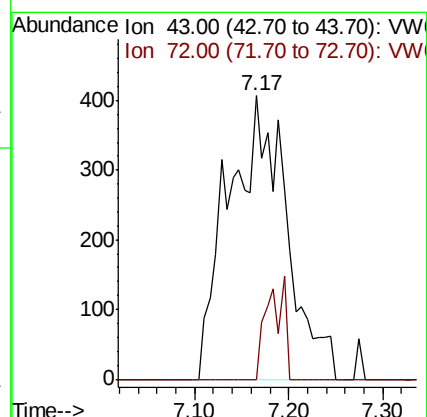
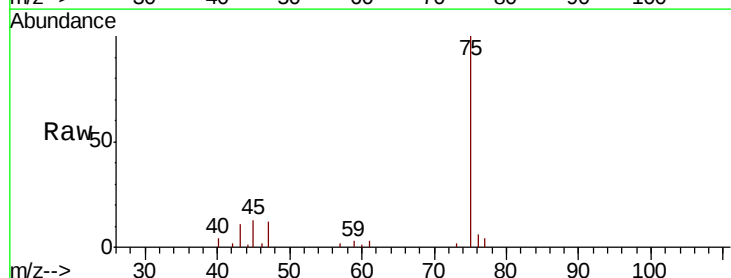
Acq: 06 Dec 2018 19:09

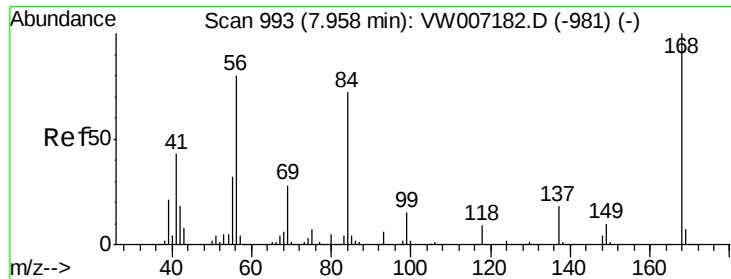
Tgt Ion: 43 Resp: 1745

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#

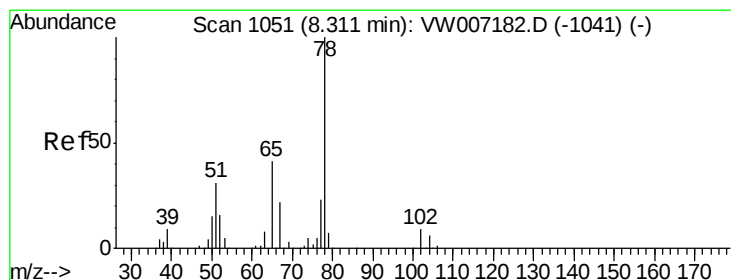
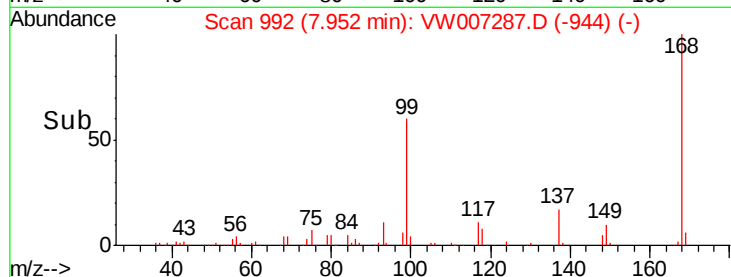
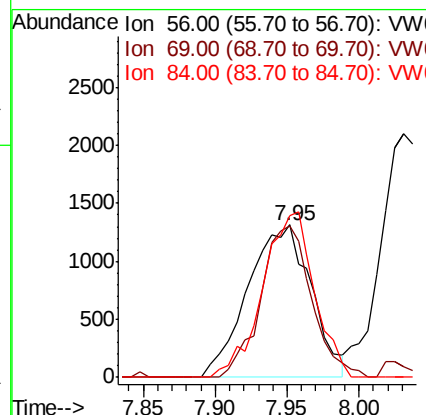
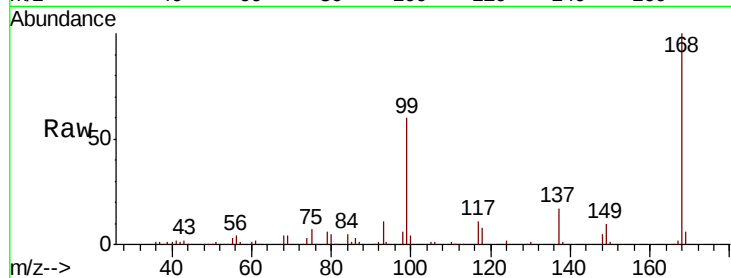




#31
Cyclohexane
Concen: 3.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

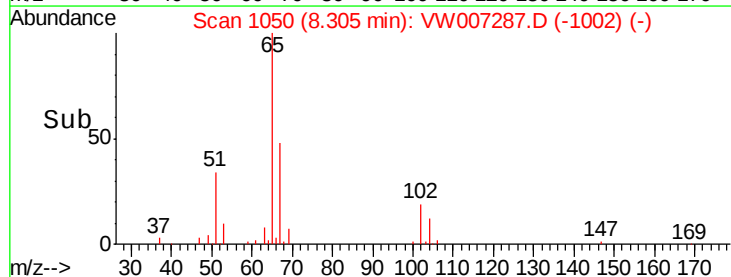
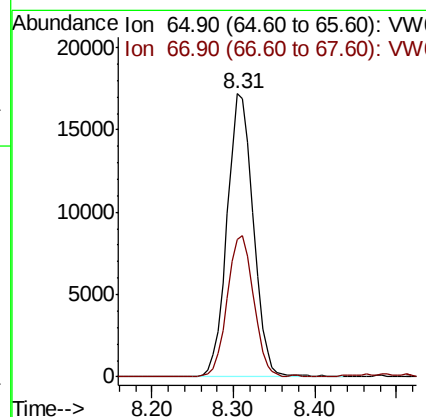
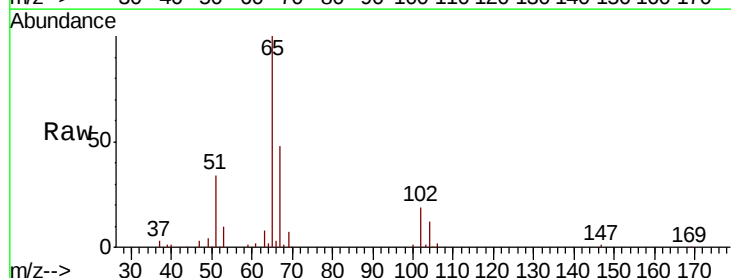
Instrument :
MSVOA_W
ClientSampled :

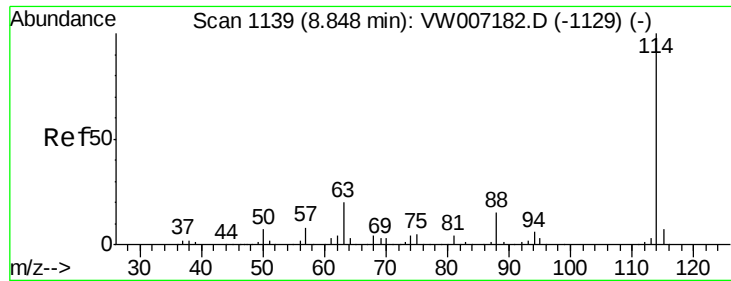
Tot Ion: 56 Resp: 4004
Ion Ratio Lower Upper
56 100
69 99.4 28.2 42.2#
84 106.6 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 61.184 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion: 65 Resp: 38165
Ion Ratio Lower Upper
65 100
67 49.9 0.0 106.4

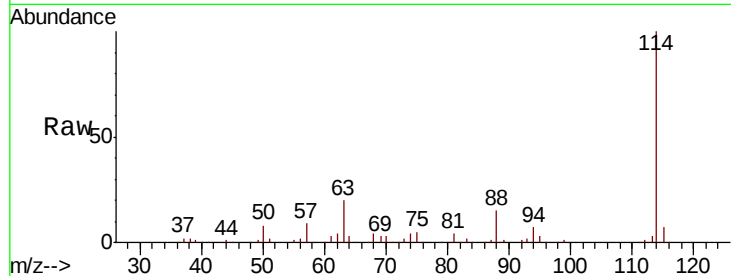




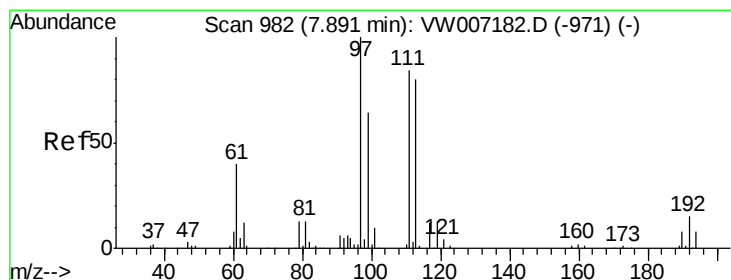
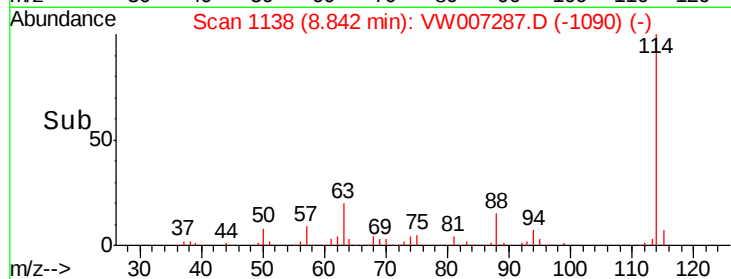
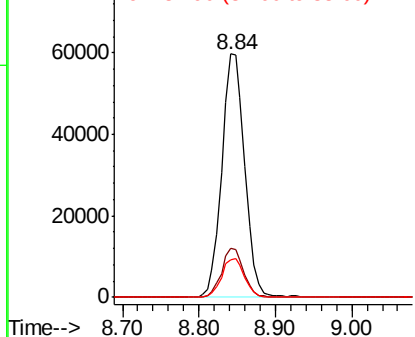
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.4	0.0	30.0

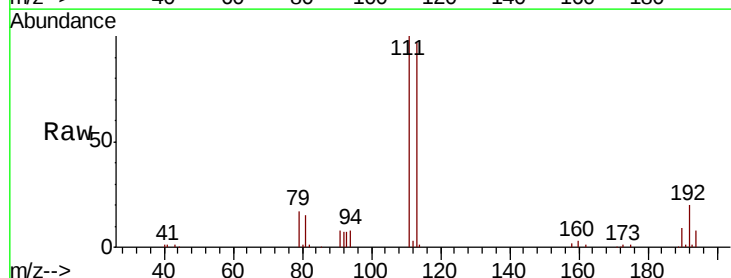


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

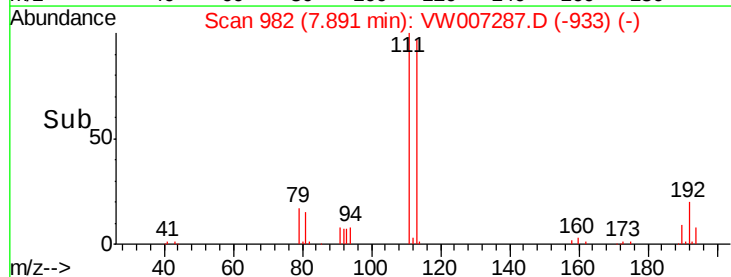
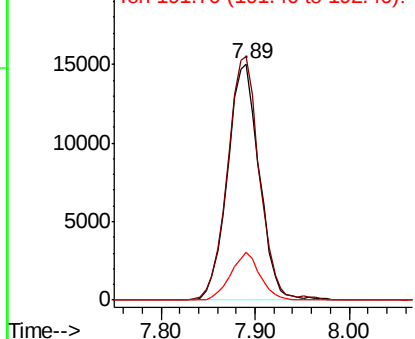


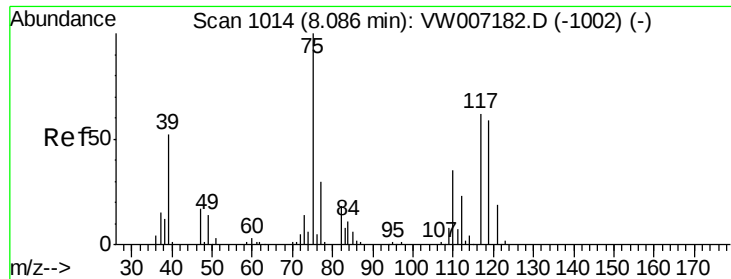
#35
 Dibromofluoromethane
 Concen: 49.813 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	18.5	14.4	21.6



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

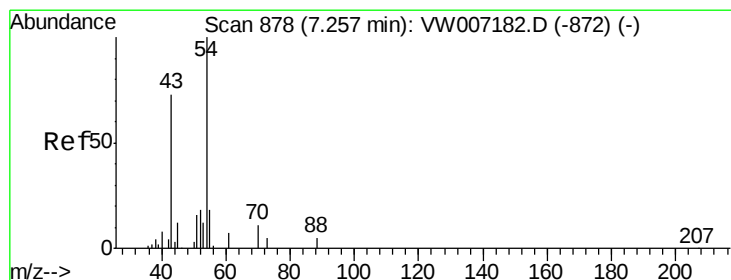
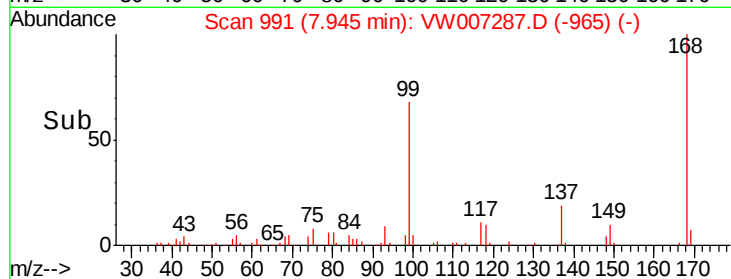
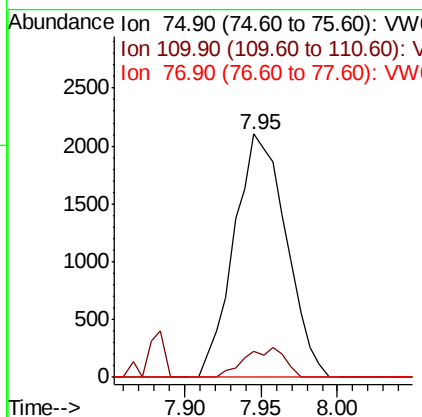
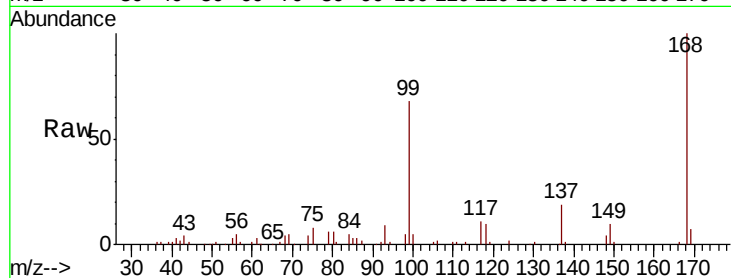




#36
 1,1-Dichloropropene
 Concen: 4.147 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

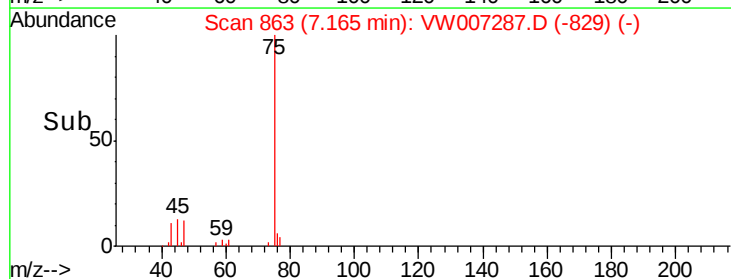
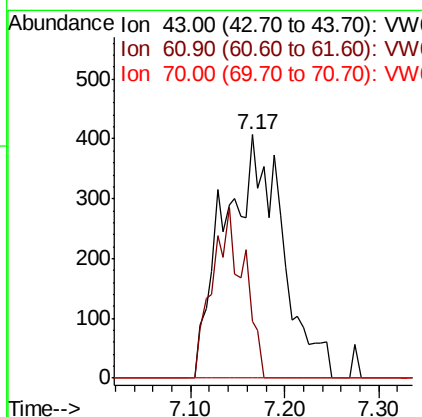
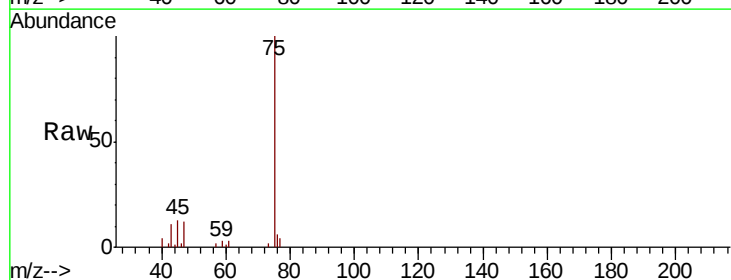
Instrument :
 MSVOA_W
 ClientSampled :

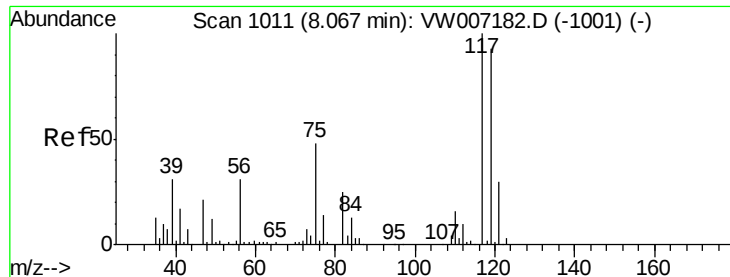
Tot Ion: 75 Resp: 4971
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.3 54.9#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 4.025 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Tgt Ion: 43 Resp: 1745
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 9.1 13.7#

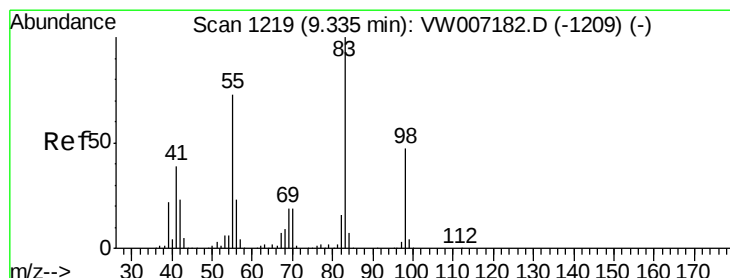
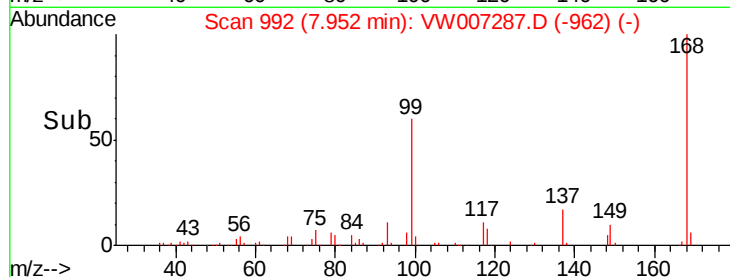
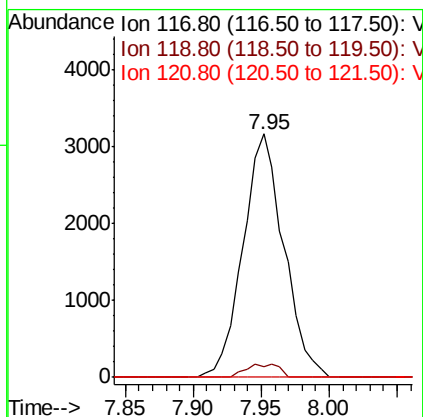
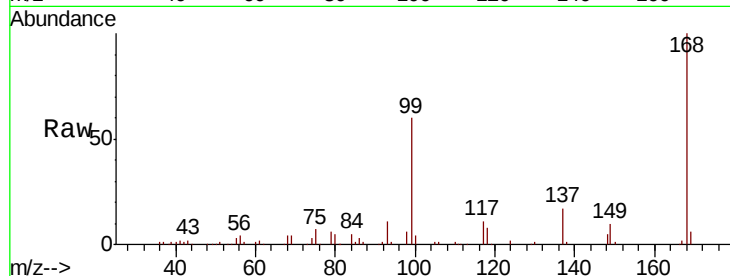




#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

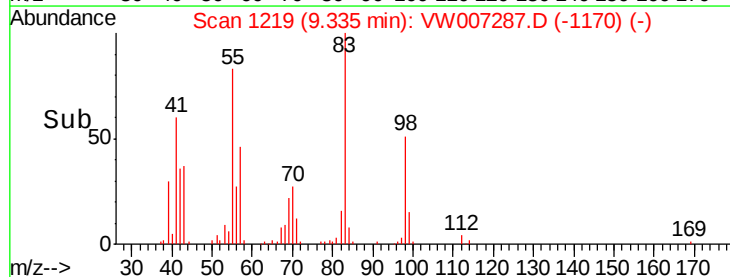
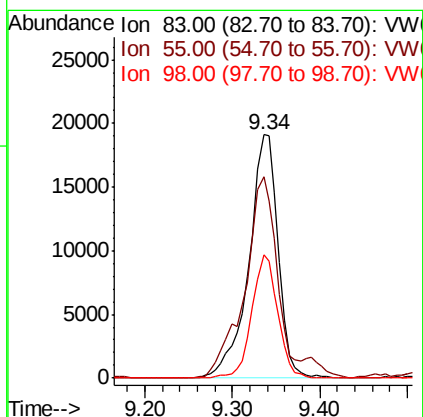
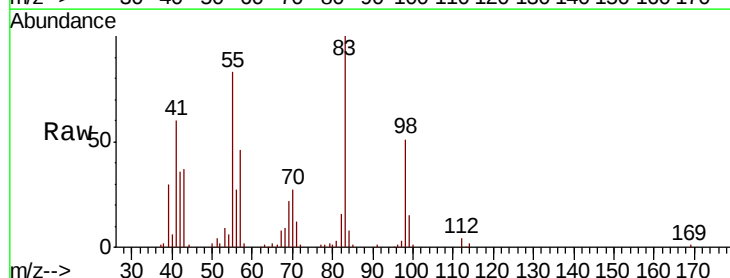
Instrument :
MSVOA_W
ClientSampleId :

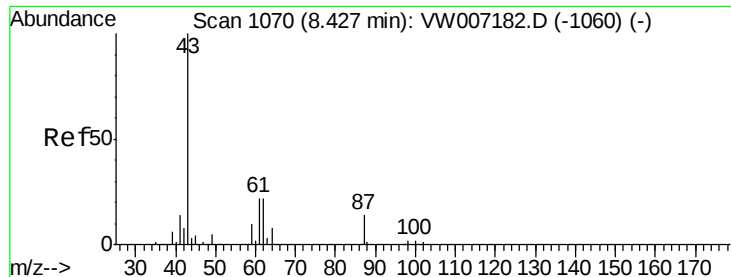
Tot Ion:117 Resp: 6674
Ion Ratio Lower Upper
117 100
119 4.5 74.1 111.1#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 27.658 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion: 83 Resp: 44381
Ion Ratio Lower Upper
83 100
55 82.8 58.1 87.1
98 50.6 37.3 55.9





#43

Isopropyl Acetate

Concen: 3.165 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

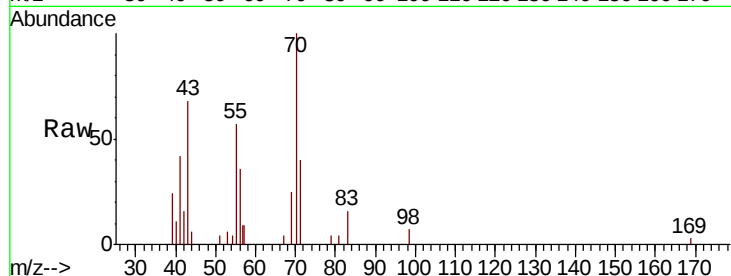
Tot Ion: 43 Resp: 2665

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.0#

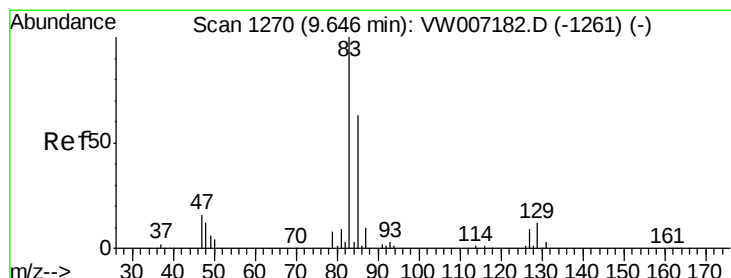
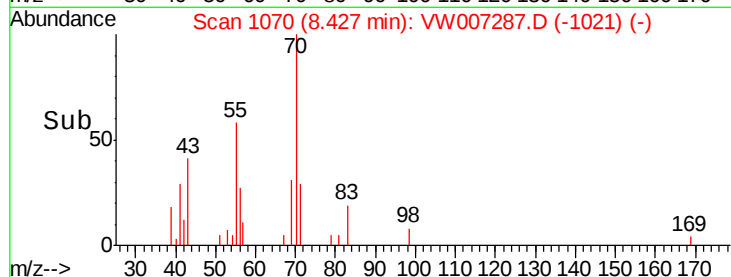
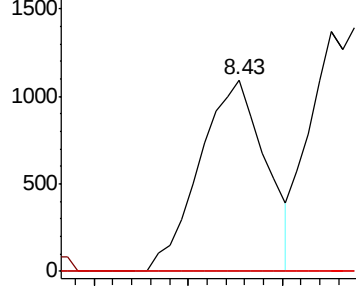
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#47

Bromodichloromethane

Concen: 2.020 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

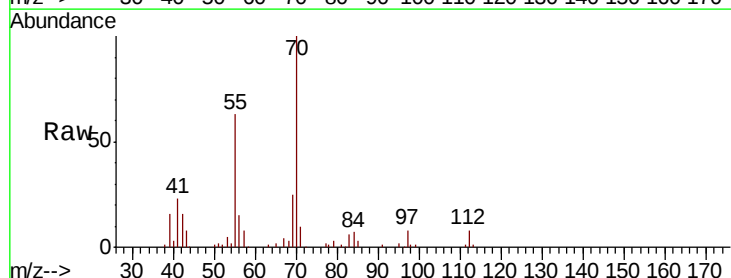
Tgt Ion: 83 Resp: 2112

Ion Ratio Lower Upper

83 100

85 58.6 50.6 76.0

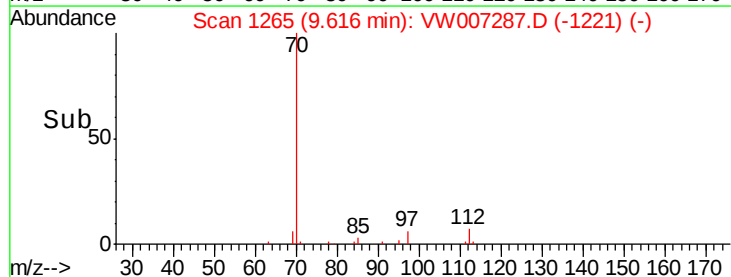
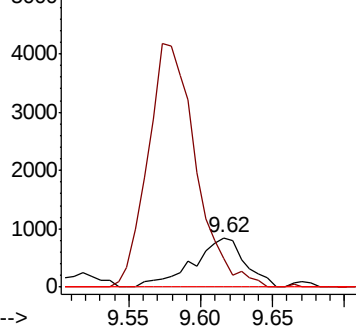
127 0.0 7.3 10.9#

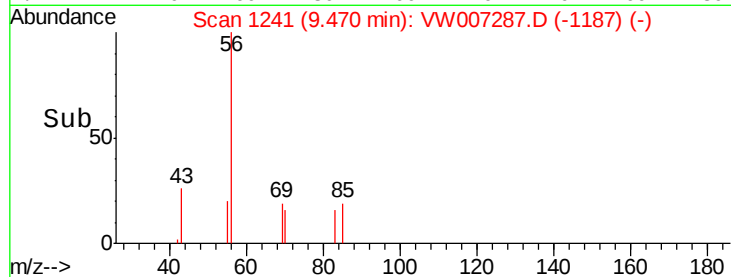
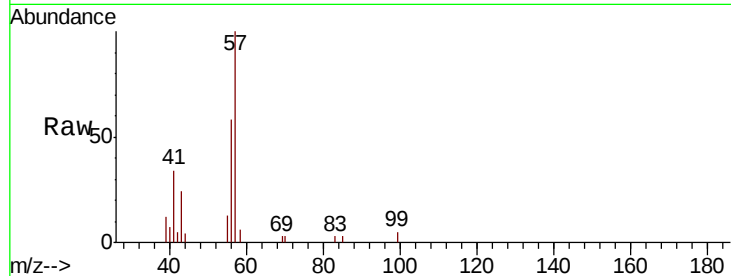
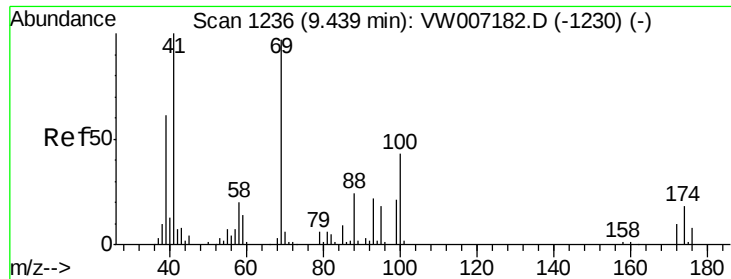


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

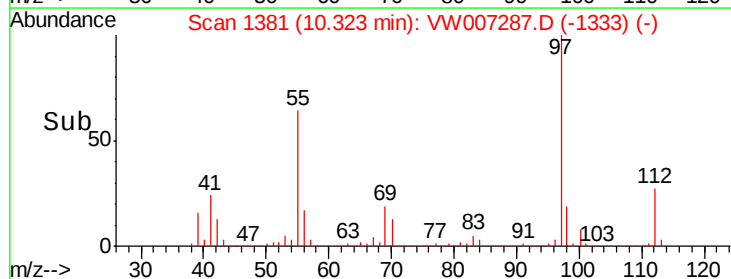
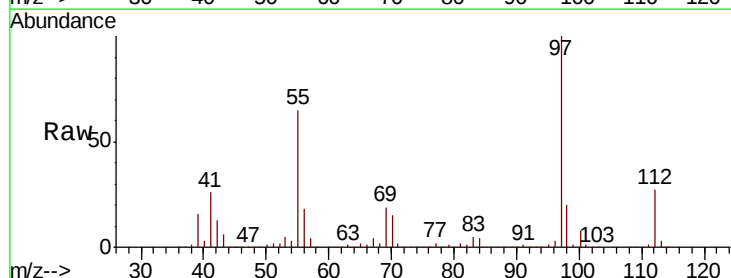
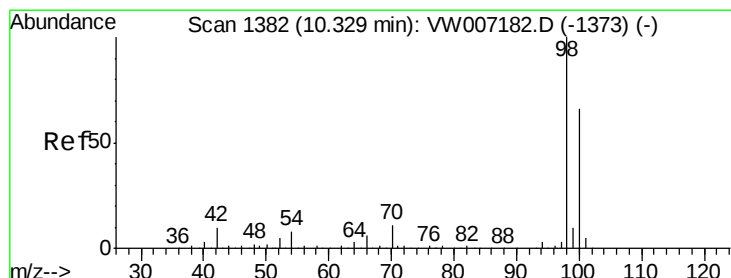
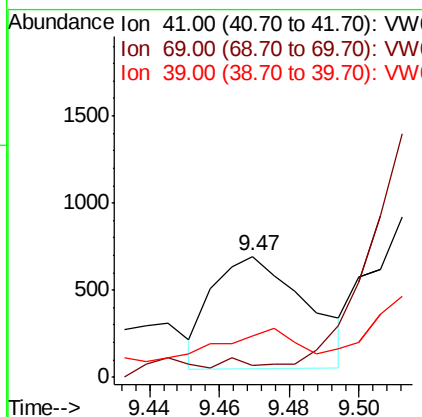




#48
Methyl methacrylate
Concen: 2.757 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

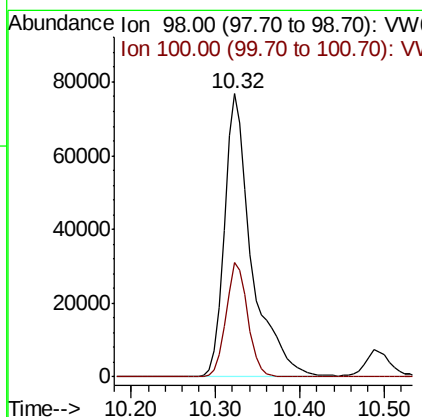
Instrument :
MSVOA_W
ClientSampleId :

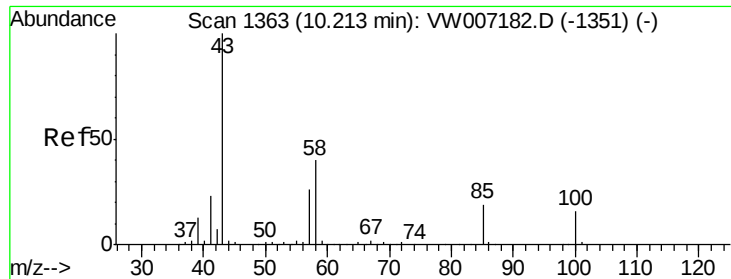
Tot Ion: 41 Resp: 1205
Ion Ratio Lower Upper
41 100
69 0.0 69.6 104.4#
39 45.3 42.4 63.6



#50
Toluene-d8
Concen: 54.826 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion: 98 Resp: 170355
Ion Ratio Lower Upper
98 100
100 32.1 52.7 79.1#





#51

4-Methyl-2-Pentanone

Concen: 744.182 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. -0.12 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

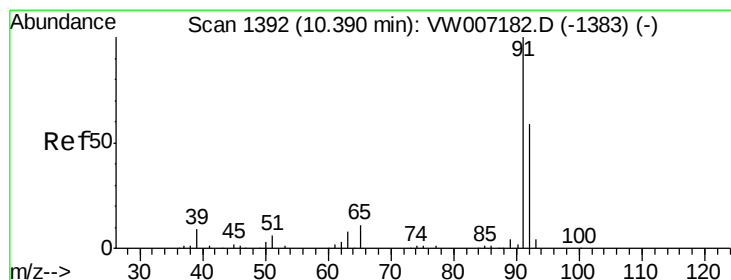
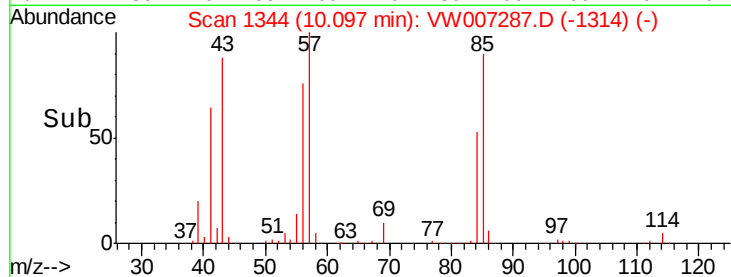
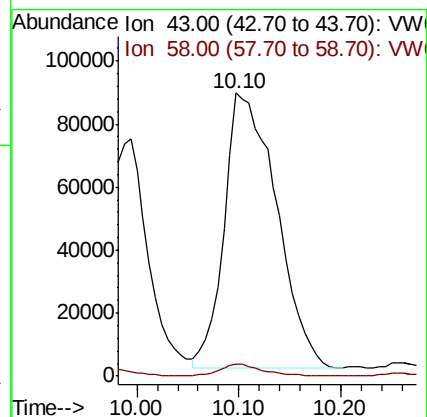
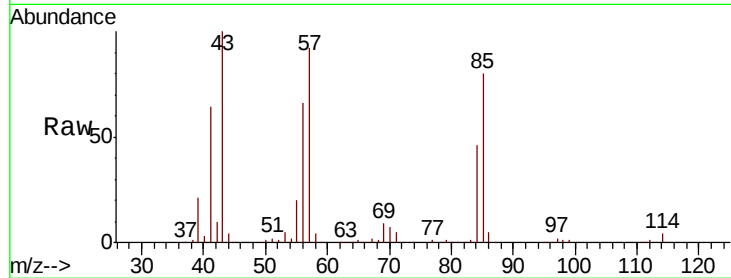
ClientSampled :

Tot Ion: 43 Resp: 308831

Ion Ratio Lower Upper

43 100

58 3.7 32.3 48.5#



#52

Toluene

Concen: 4.776 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007287.D

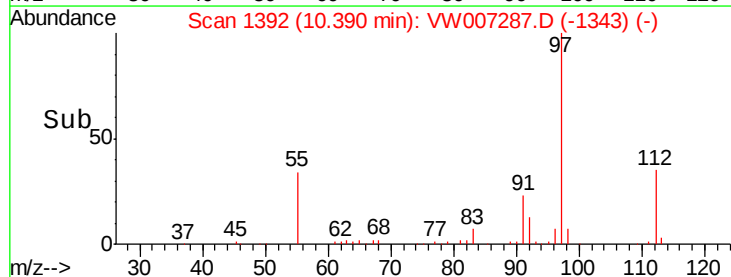
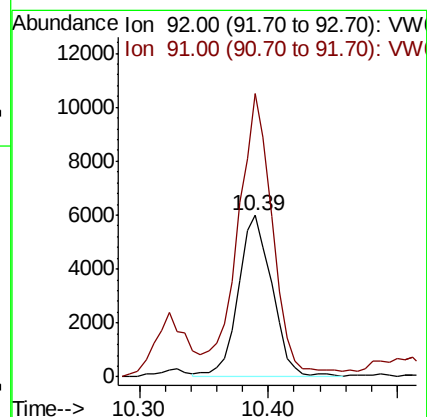
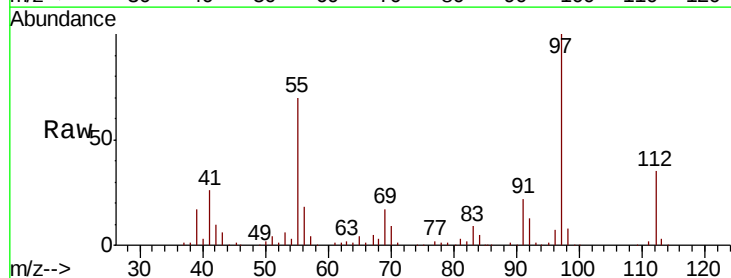
Acq: 06 Dec 2018 19:09

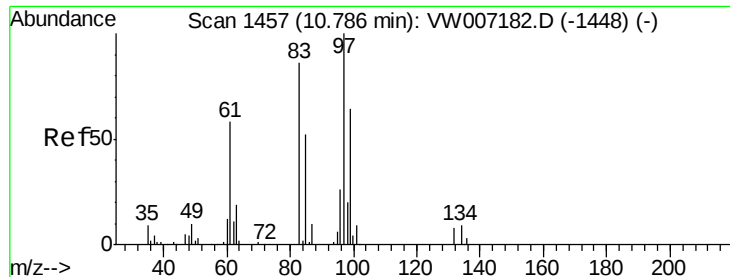
Tgt Ion: 92 Resp: 10919

Ion Ratio Lower Upper

92 100

91 182.4 136.0 204.0

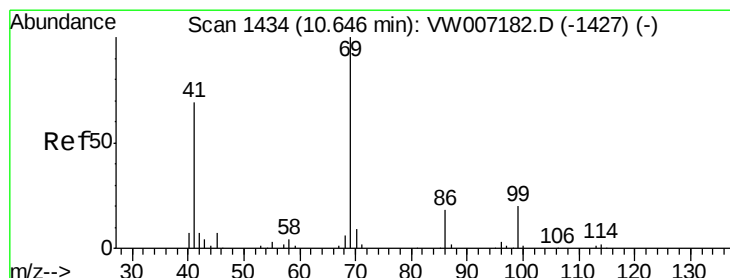
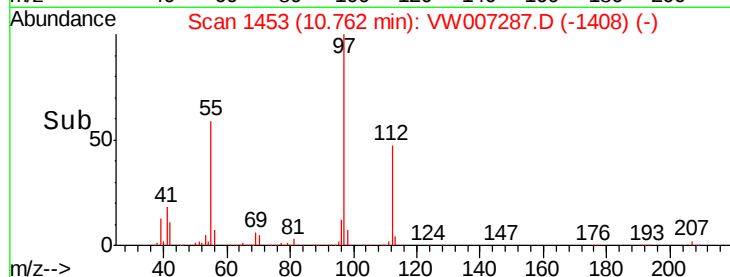
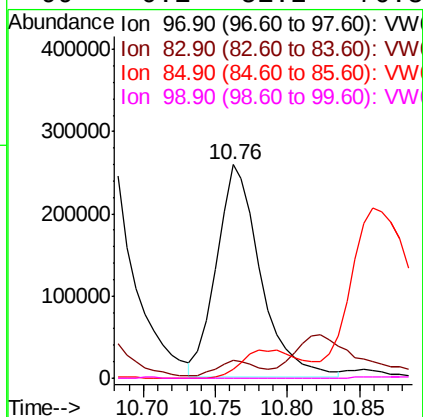
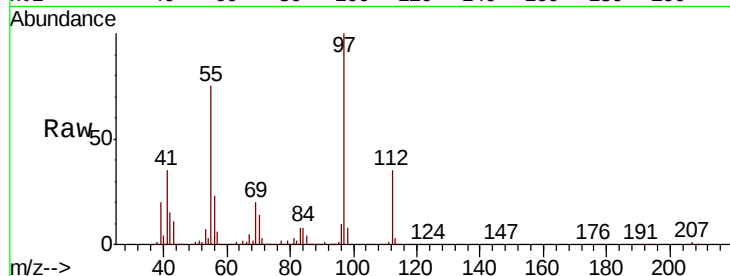




#55
 1,1,2-Trichloroethane
 Concen: 969.281 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

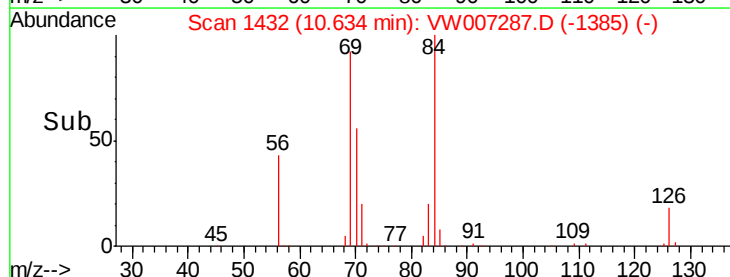
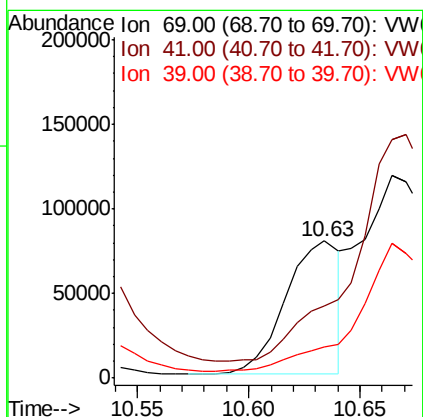
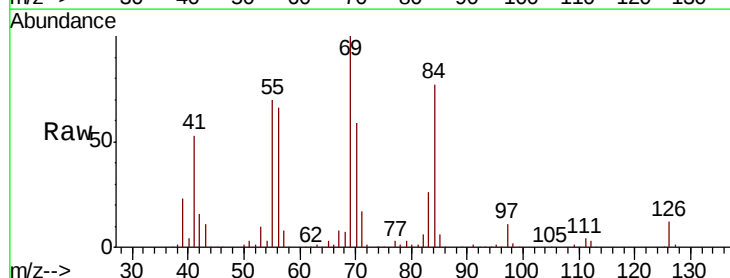
Instrument :
 MSVOA_W
 ClientSampleId :

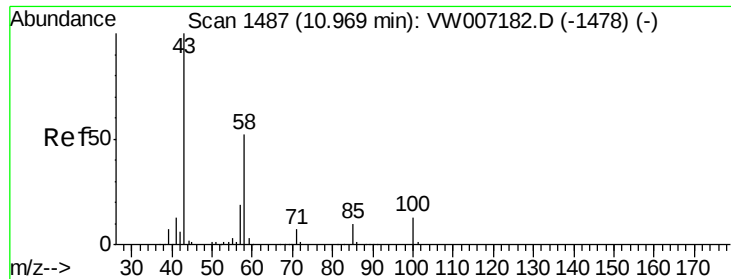
Tot Ion	Ratio	Lower	Upper
97	100		
83	7.5	68.6	102.8#
85	4.1	41.4	62.2#
99	0.1	51.2	76.8#



#56
 Ethyl methacrylate
 Concen: 182.435 ug/l
 RT: 10.63 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.8	77.6#
39	0.0	28.7	43.1#

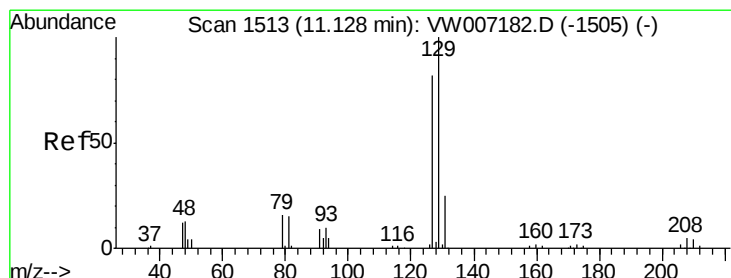
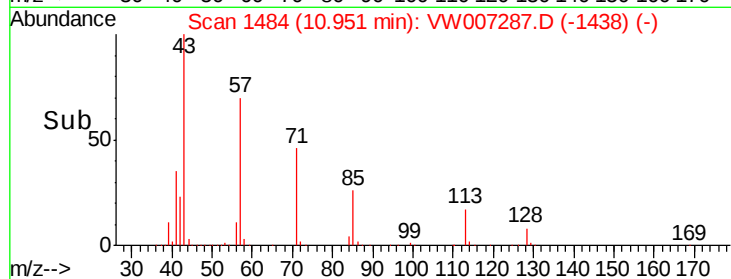
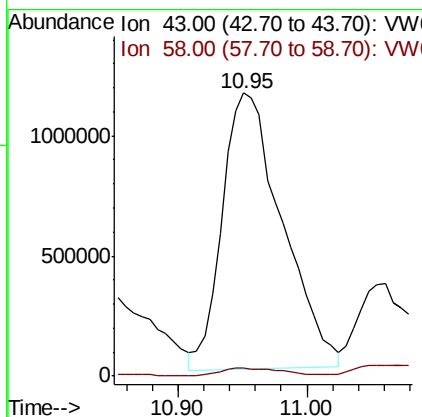
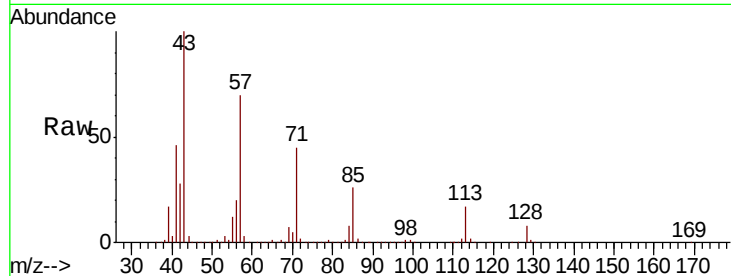




#59
2-Hexanone
Concen: 12415.802 ug/l
RT: 10.95 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

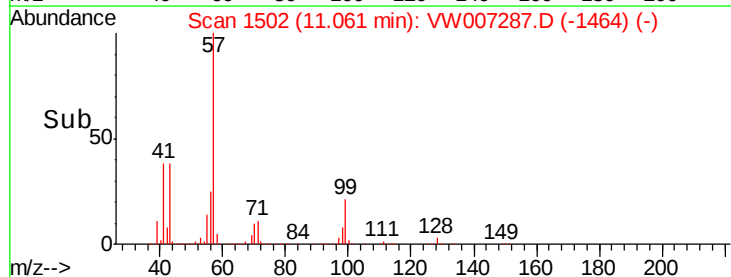
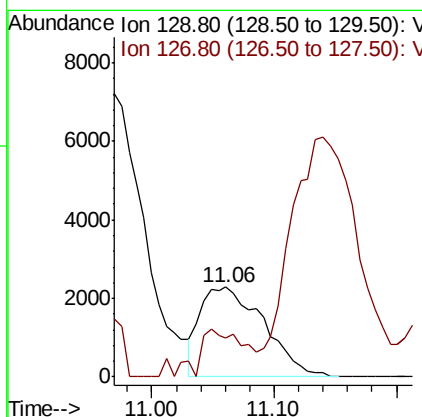
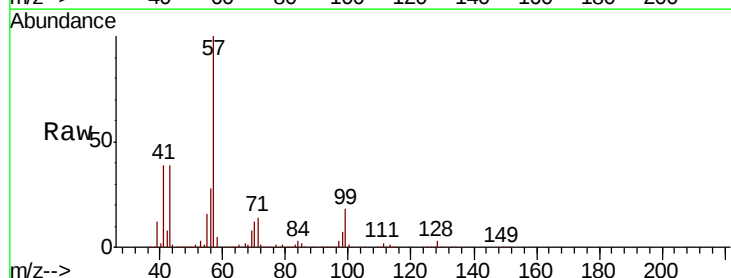
Instrument :
MSVOA_W
ClientSampleId :

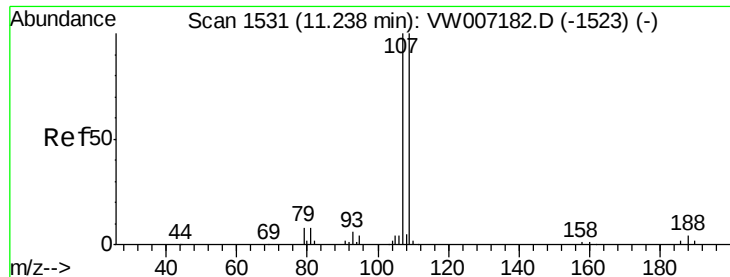
Tot Ion: 43 Resp: 3735120
Ion Ratio Lower Upper
43 100
58 2.9 28.1 84.4#



#60
Dibromochloromethane
Concen: 11.899 ug/l
RT: 11.06 min Scan# 1502
Delta R.T. -0.07 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion:129 Resp: 8268
Ion Ratio Lower Upper
129 100
127 37.3 39.8 119.4#





#61

1,2-Dibromoethane

Concen: 9.221 ug/l

RT: 11.26 min Scan# 1534

Delta R.T. 0.02 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

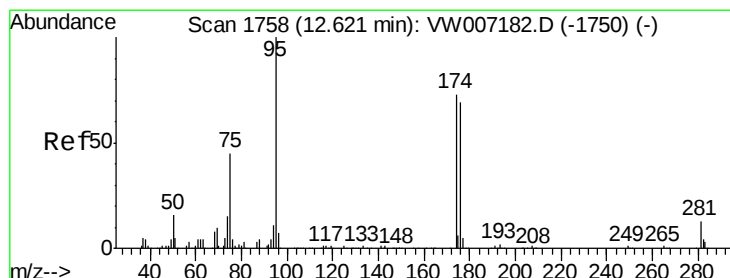
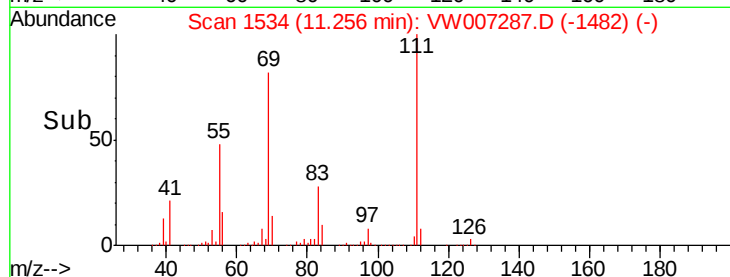
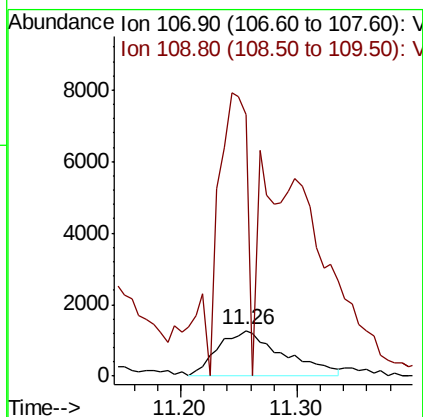
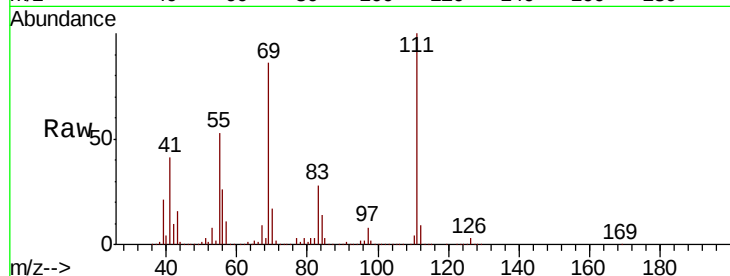
ClientSampled :

Tot Ion: 107 Resp: 5000

Ion Ratio Lower Upper

107 100

109 118.1 77.3 115.9#



#62

4-Bromofluorobenzene

Concen: 1397.217 ug/l

RT: 12.60 min Scan# 1754

Delta R.T. -0.02 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

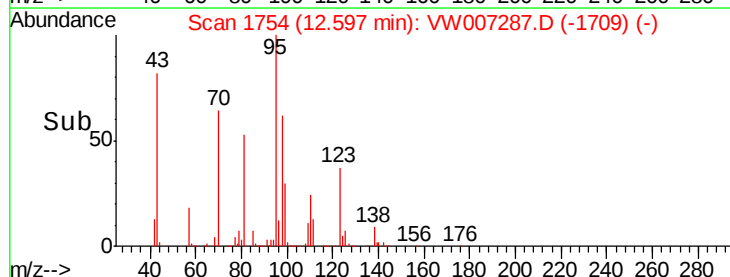
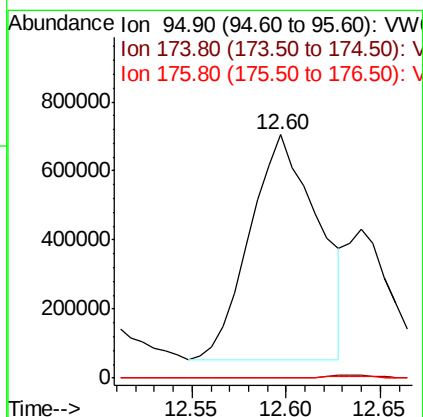
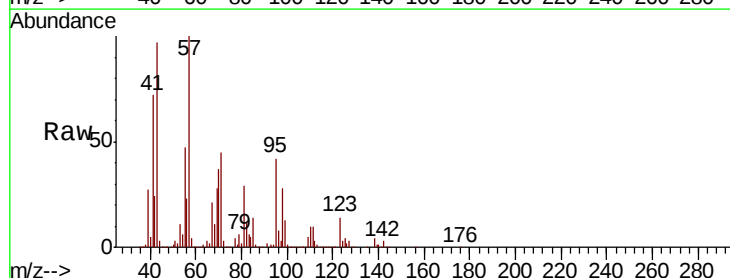
Tgt Ion: 95 Resp: 1638649

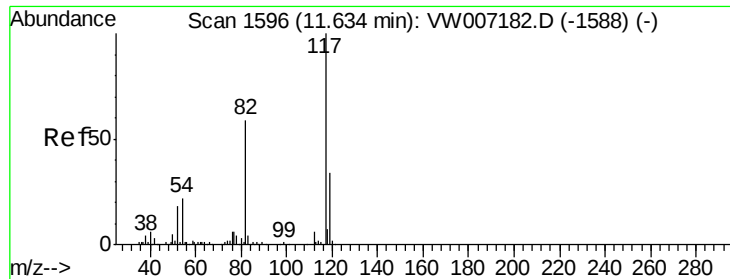
Ion Ratio Lower Upper

95 100

174 0.0 0.0 148.0

176 0.0 0.0 139.4

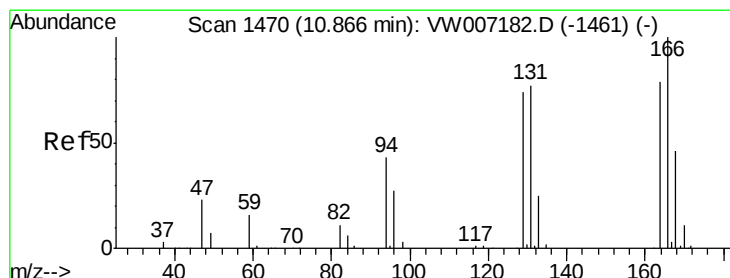
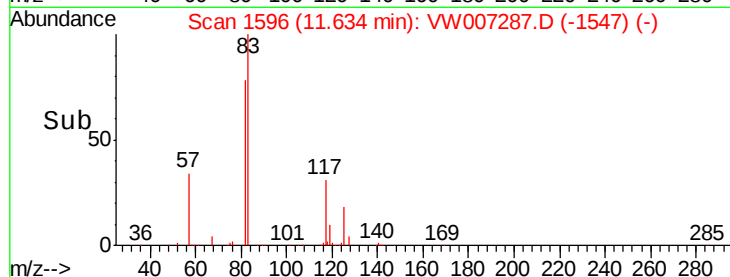
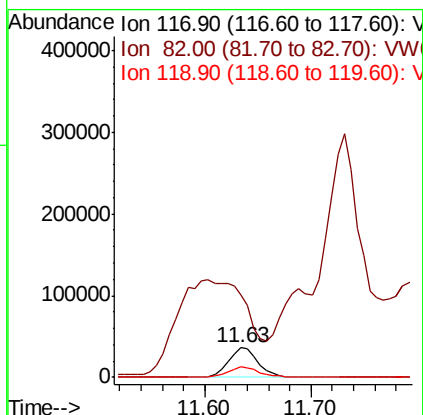
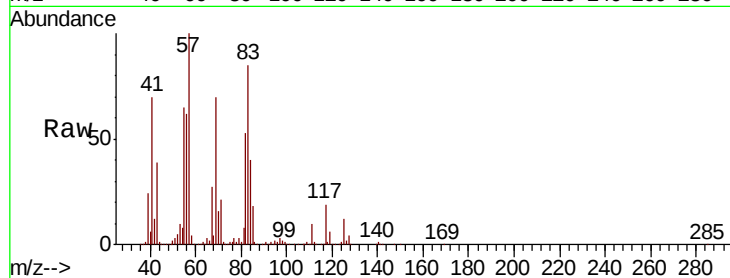




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

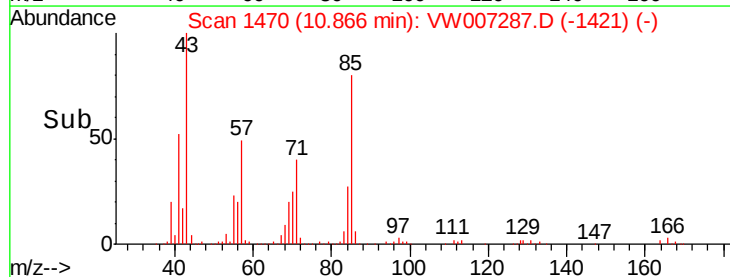
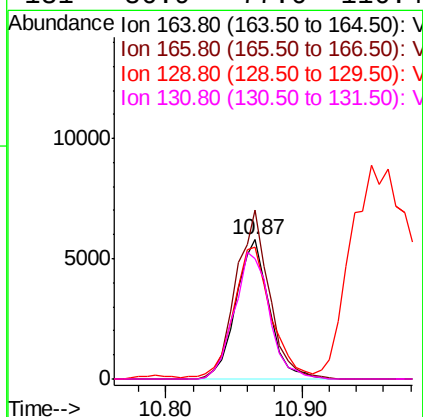
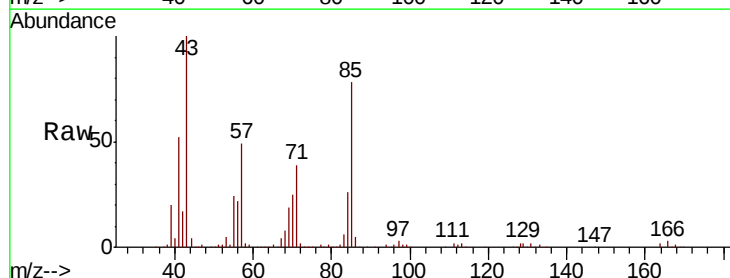
Instrument :
MSVOA_W
ClientSampled :

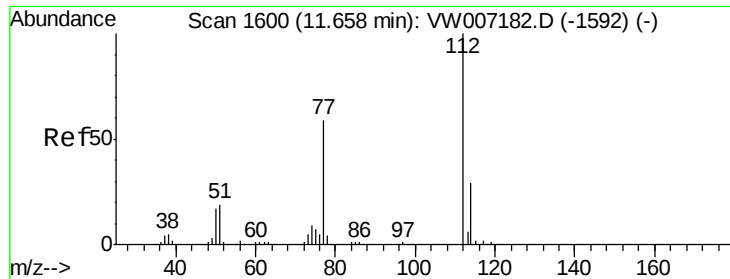
Tot Ion:117 Resp: 70429
Ion Ratio Lower Upper
117 100
82 0.0 47.4 71.2#
119 32.9 26.8 40.2



#64
Tetrachloroethene
Concen: 19.183 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion:164 Resp: 9871
Ion Ratio Lower Upper
164 100
166 121.2 101.0 151.4
129 92.5 74.6 111.8
131 86.9 77.6 116.4

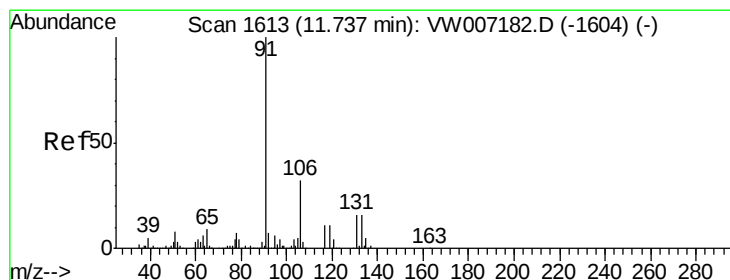
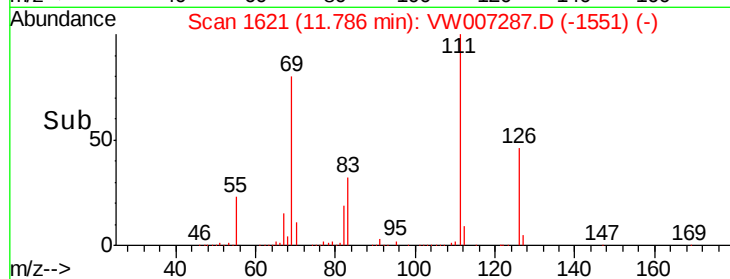
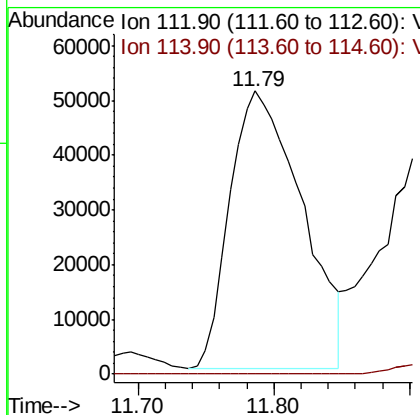
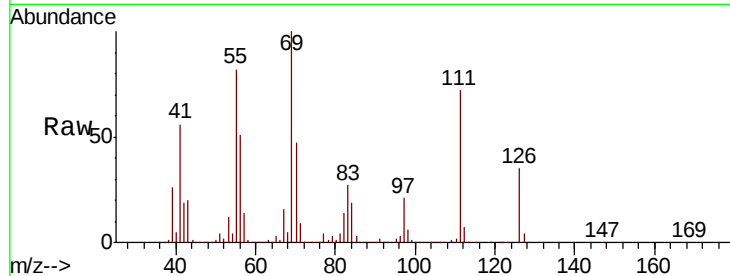




#65
Chlorobenzene
Concen: 118.706 ug/l
RT: 11.79 min Scan# 1621
Delta R.T. 0.13 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

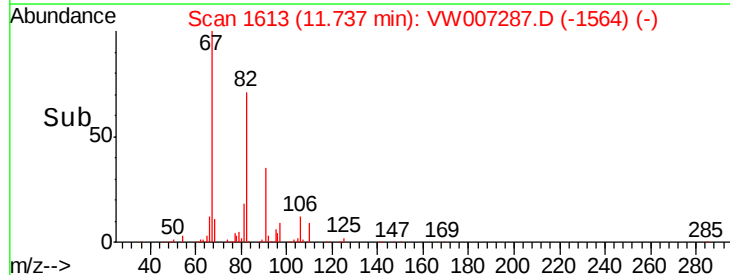
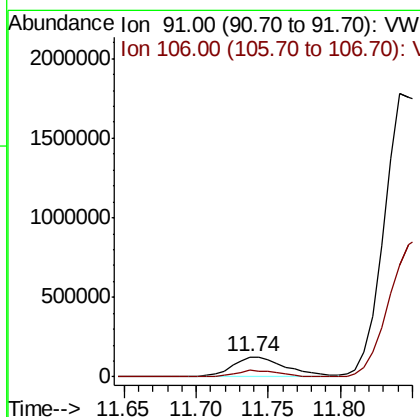
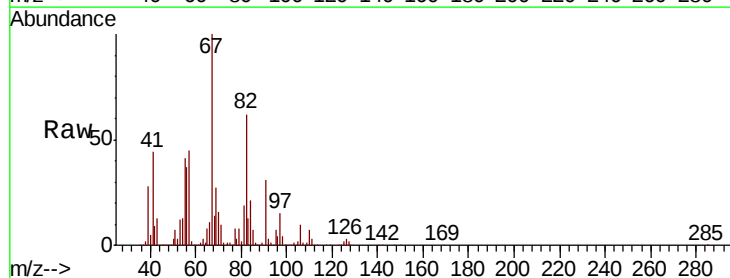
Instrument :
MSVOA_W
ClientSampled :

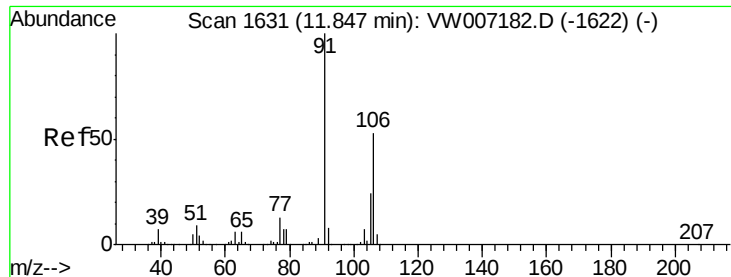
Tot Ion:112 Resp: 186717
Ion Ratio Lower Upper
112 100
114 0.0 23.0 34.4#



#67
Ethyl Benzene
Concen: 107.988 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion: 91 Resp: 309585
Ion Ratio Lower Upper
91 100
106 33.4 26.0 39.0





#68

m/p-Xylenes

Concen: 2002.053 ug/l

RT: 11.85 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

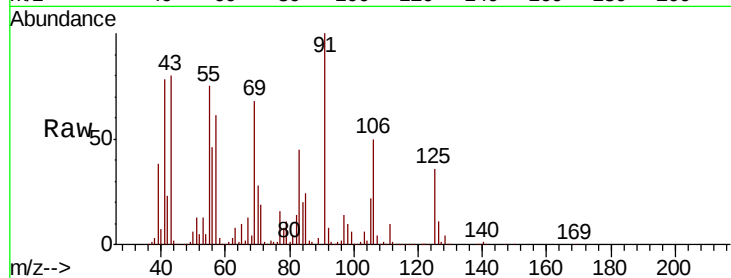
ClientSampleId :

Tot Ion:106 Resp: 2251656

Ion Ratio Lower Upper

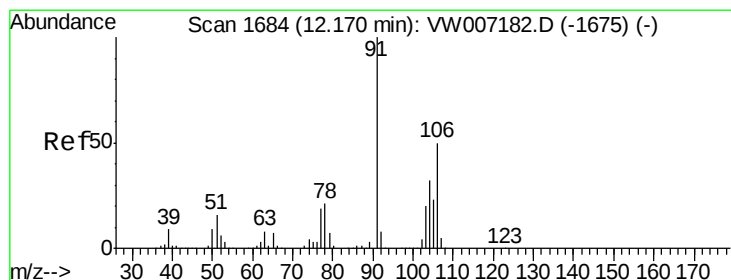
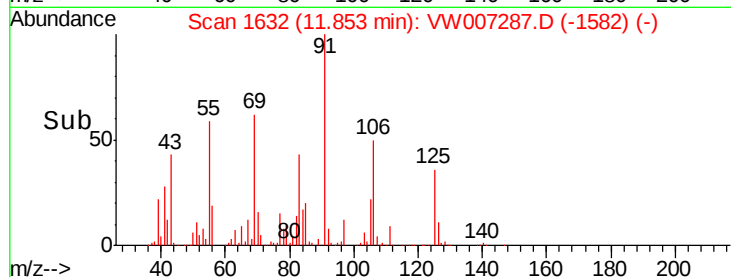
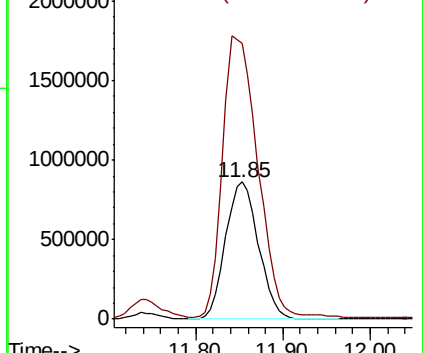
106 100

91 219.9 160.2 240.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 1234.212 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VW007287.D

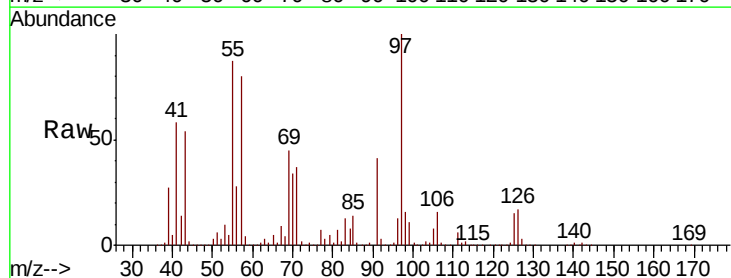
Acq: 06 Dec 2018 19:09

Tgt Ion:106 Resp: 1296884

Ion Ratio Lower Upper

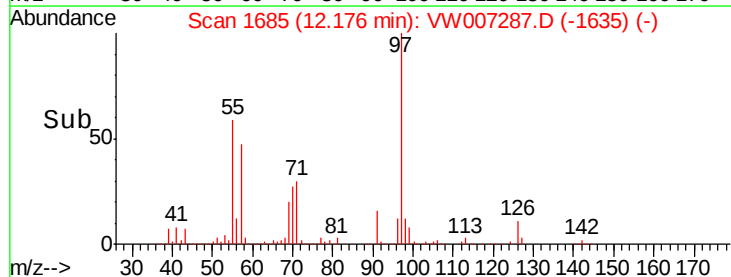
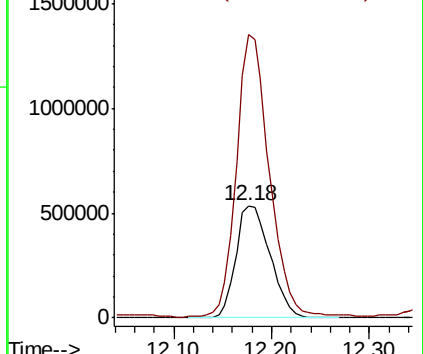
106 100

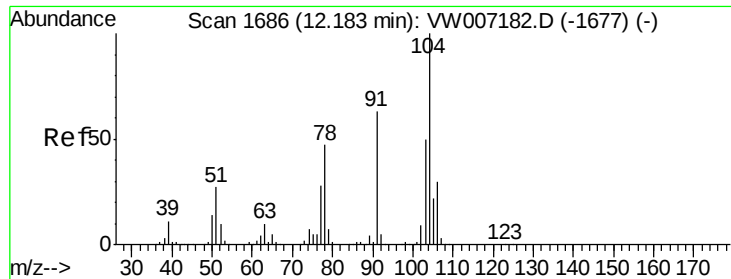
91 243.0 104.9 314.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

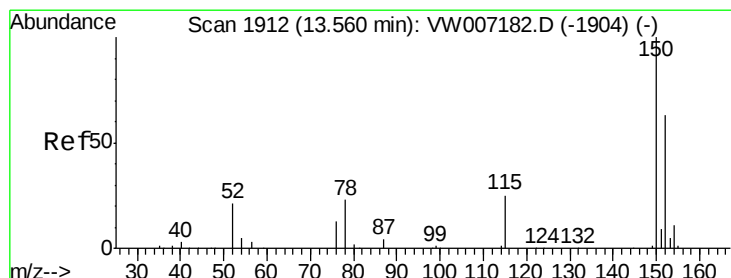
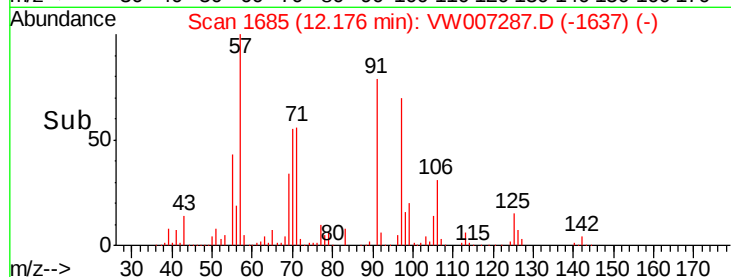
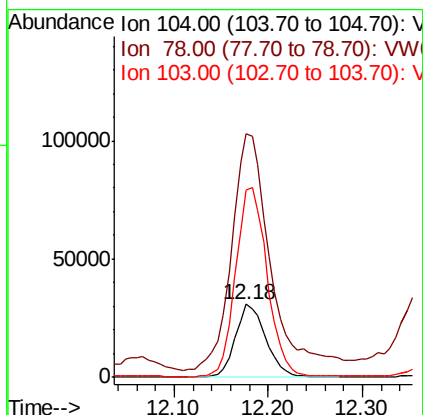
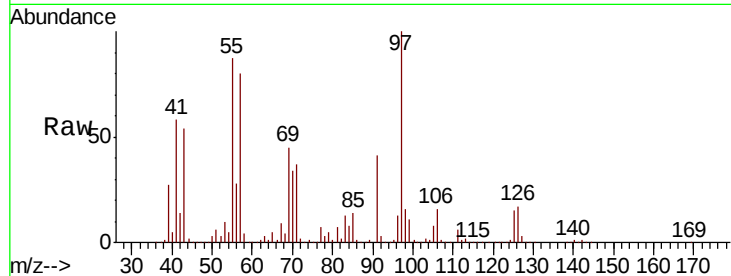




#70
Stvrene
Concen: 40.627 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

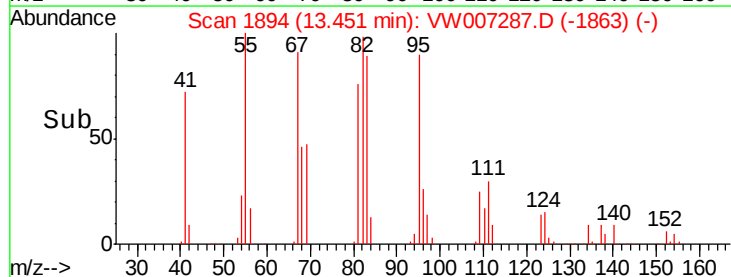
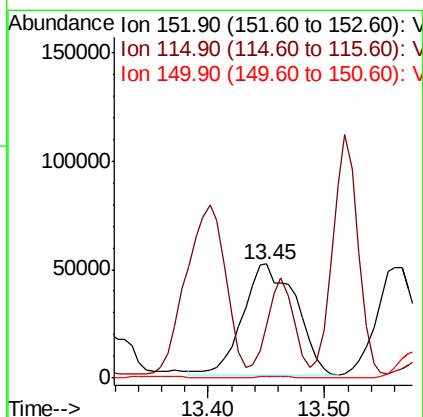
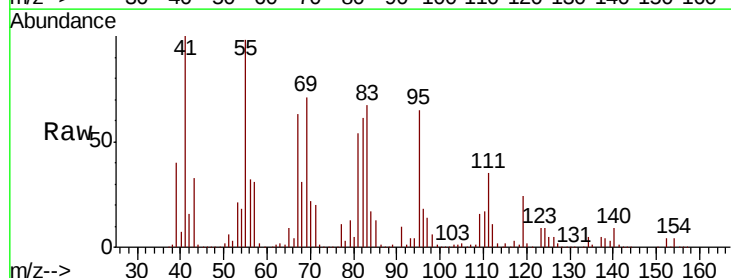
Instrument :
MSVOA_W
ClientSampleId :

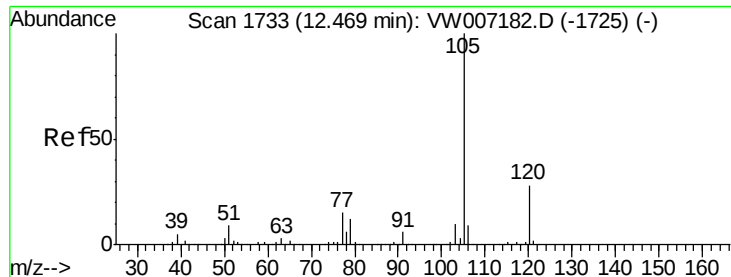
Tot Ion:104 Resp: 69881
Ion Ratio Lower Upper
104 100
78 412.7 40.6 60.8#
103 268.4 43.0 64.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.45 min Scan# 1894
Delta R.T. -0.11 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion:152 Resp: 160506
Ion Ratio Lower Upper
152 100
115 36.2 31.3 93.8
150 1.0 0.0 358.0





#73

Isopropylbenzene

Concen: 207.212 ug/l

RT: 12.49 min Scan# 1737

Delta R.T. 0.02 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

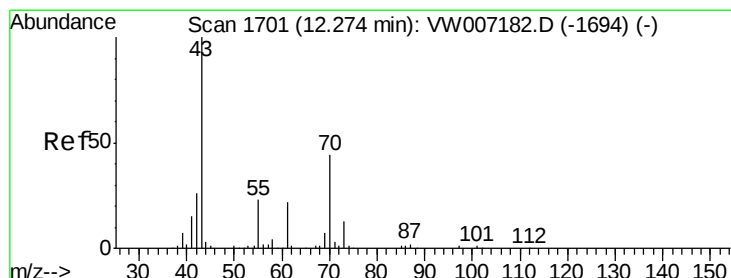
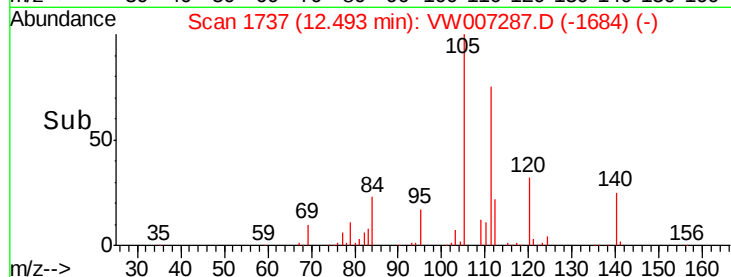
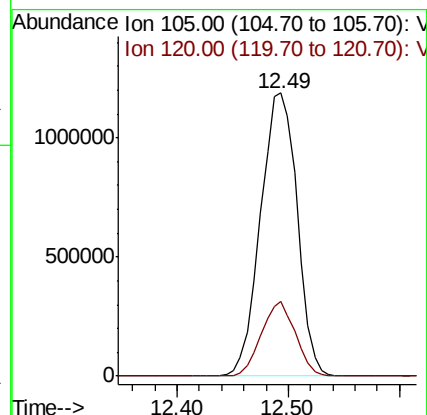
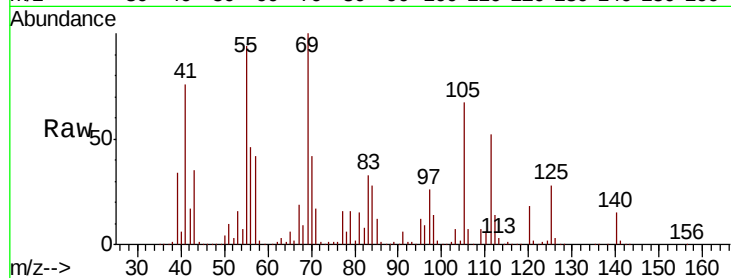
ClientSampled :

Tot Ion:105 Resp: 2705044

Ion Ratio Lower Upper

105 100

120 24.8 13.2 39.6



#74

N-ethyl acetate

Concen: 3879.455 ug/l

RT: 12.30 min Scan# 1706

Delta R.T. 0.03 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Tgt Ion: 43 Resp: 8979132

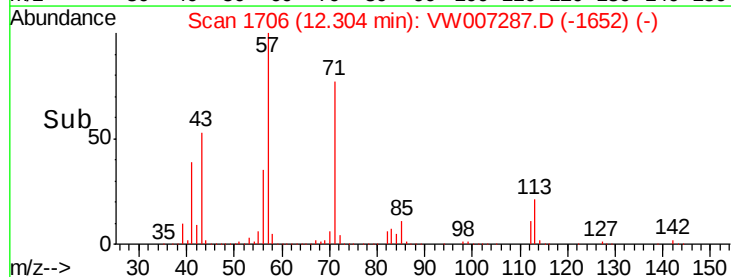
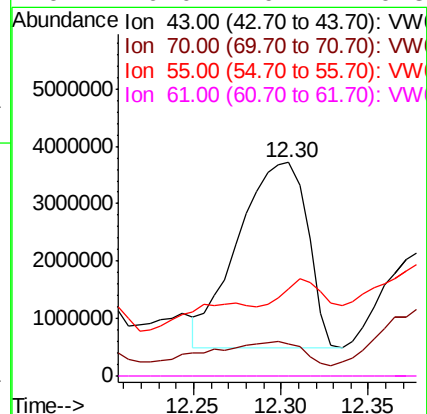
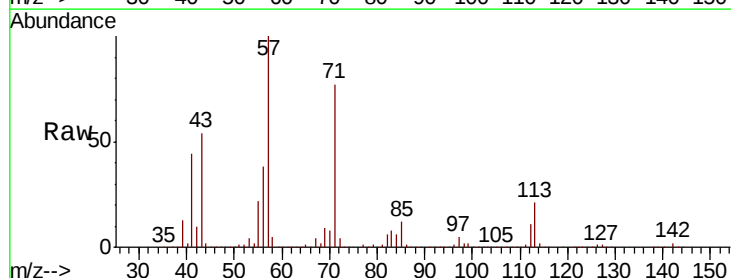
Ion Ratio Lower Upper

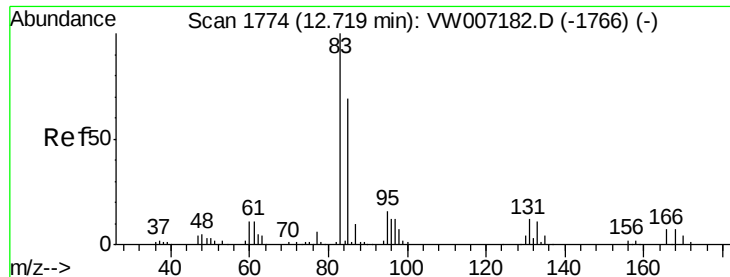
43 100

70 16.5 34.0 51.0#

55 13.5 19.0 28.6#

61 0.0 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 283.974 ug/l

RT: 12.73 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampled :

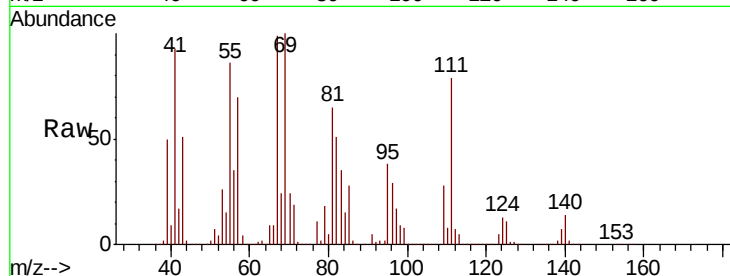
Tot Ion: 83 Resp: 481456

Ion Ratio Lower Upper

83 100

131 0.0 6.0 18.1#

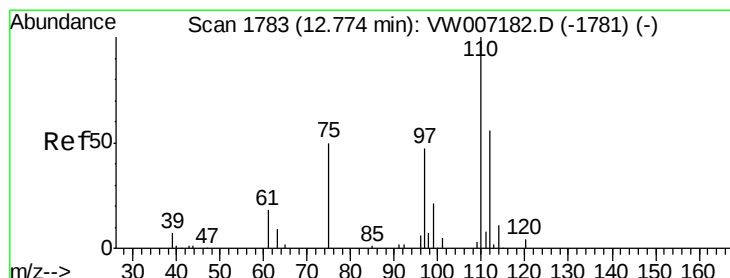
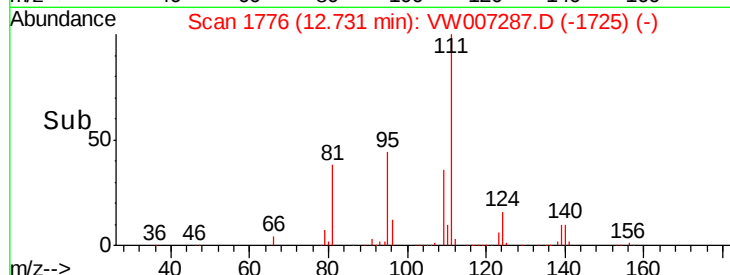
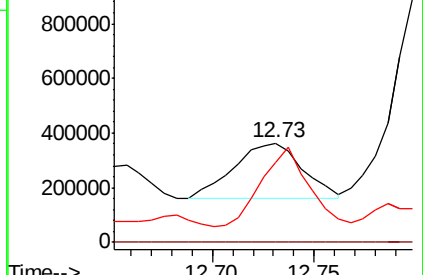
85 98.0 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.590 ug/l

RT: 12.73 min Scan# 1776

Delta R.T. -0.04 min

Lab File: VW007287.D

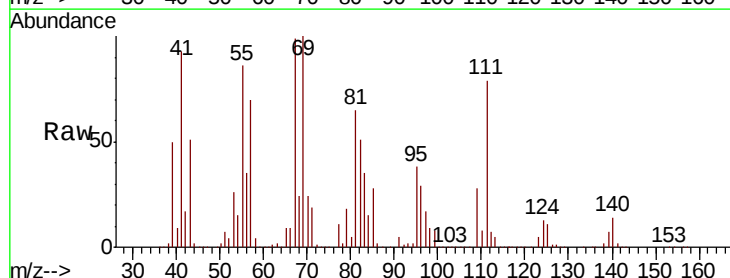
Acq: 06 Dec 2018 19:09

Tgt Ion: 75 Resp: 5705

Ion Ratio Lower Upper

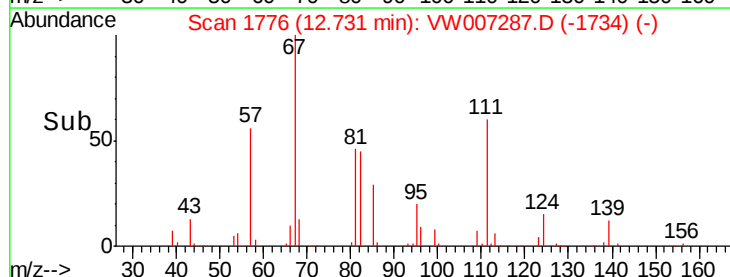
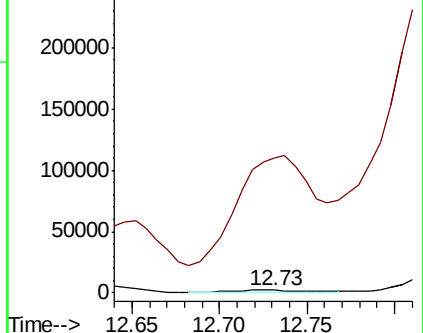
75 100

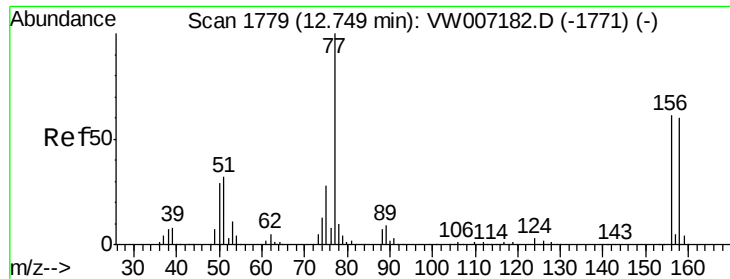
77 4706.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.991 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampled :

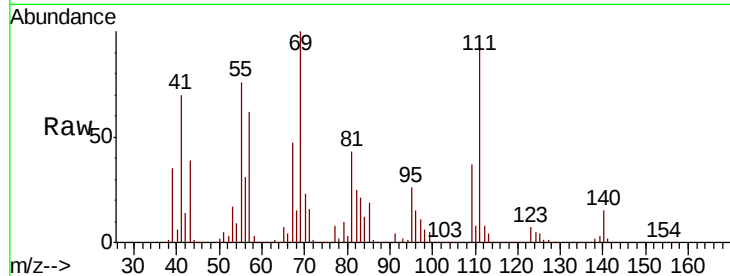
Tot Ion:156 Resp: 11246

Ion Ratio Lower Upper

156 100

77 2387.7 92.0 276.1#

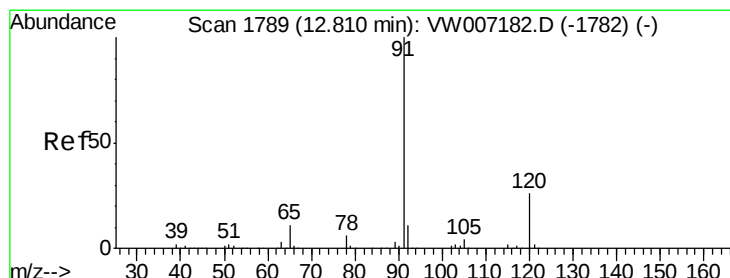
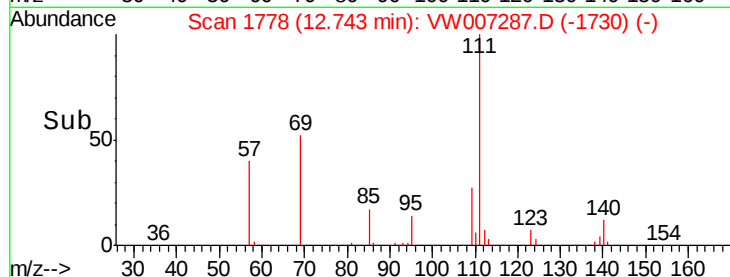
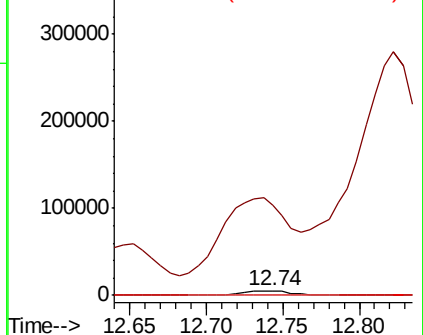
158 0.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 400.020 ug/l

RT: 12.83 min Scan# 1792

Delta R.T. 0.02 min

Lab File: VW007287.D

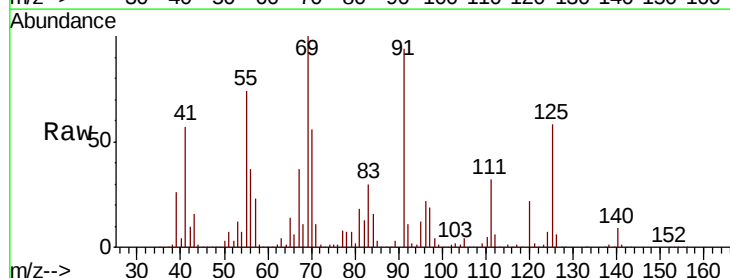
Acq: 06 Dec 2018 19:09

Tgt Ion: 91 Resp: 6221432

Ion Ratio Lower Upper

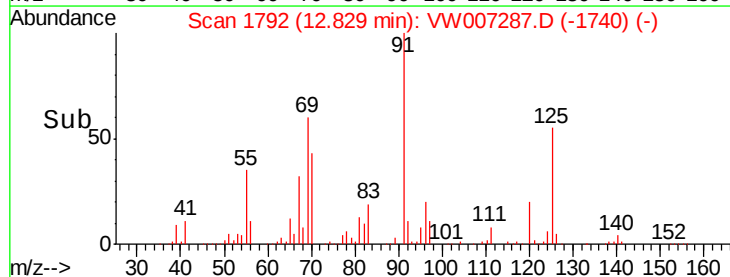
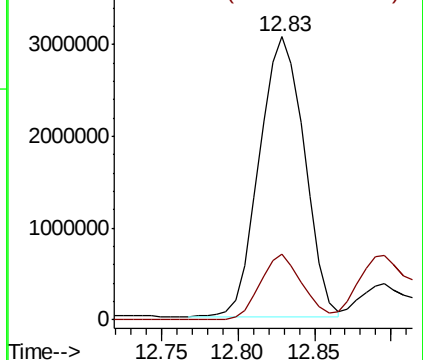
91 100

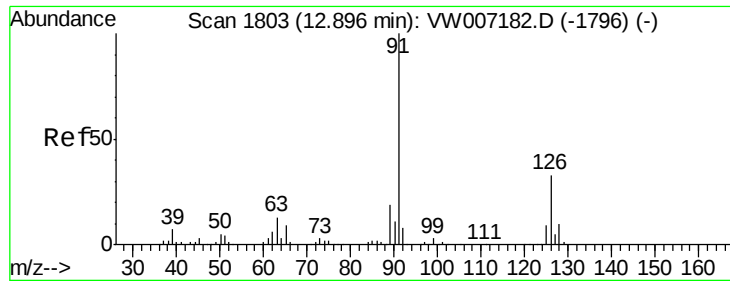
120 21.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

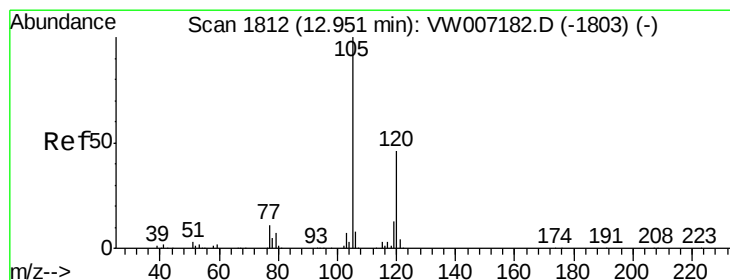
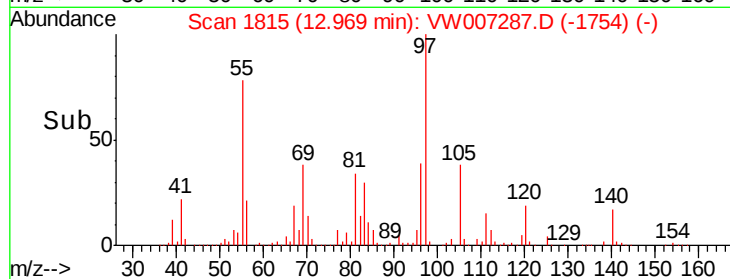
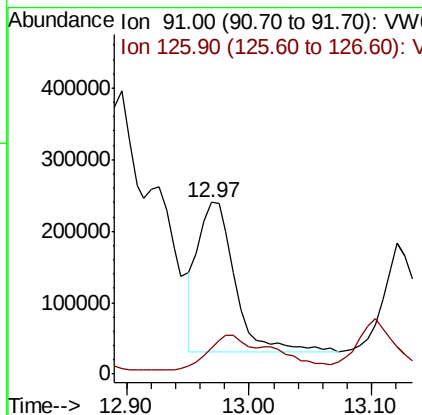
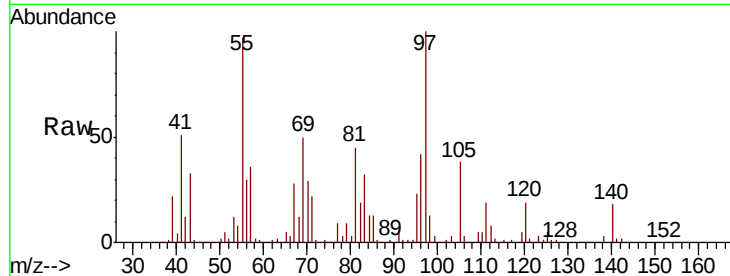




#79
 2-Chlorotoluene
 Concen: 50.128 ug/l
 RT: 12.97 min Scan# 1815
 Delta R.T. 0.07 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

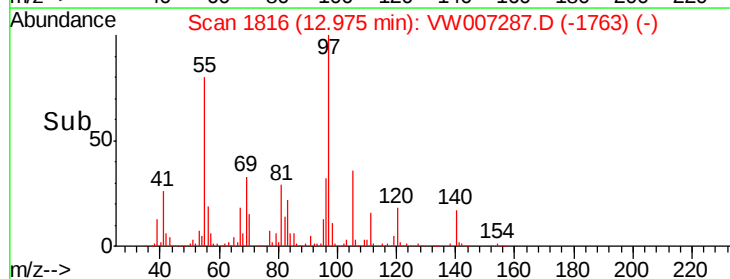
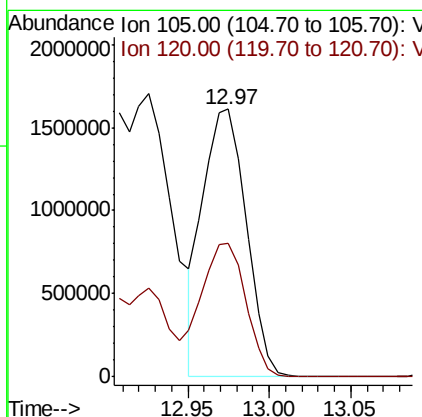
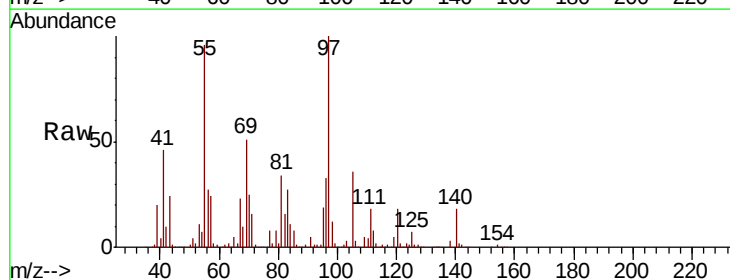
Instrument :
 MSVOA_W
 ClientSampled :

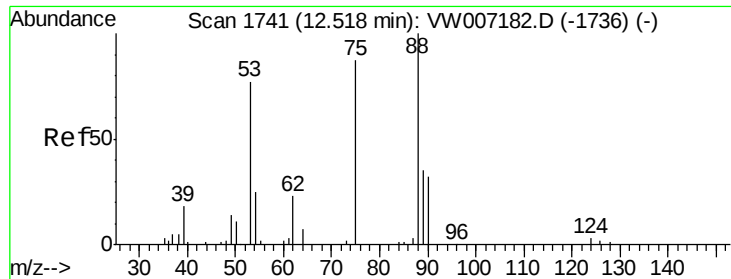
Tot Ion: 91 Resp: 440262
 Ion Ratio Lower Upper
 91 100
 126 42.2 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 264.526 ug/l
 RT: 12.97 min Scan# 1816
 Delta R.T. 0.02 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Tgt Ion:105 Resp: 2954184
 Ion Ratio Lower Upper
 105 100
 120 52.7 23.8 71.5

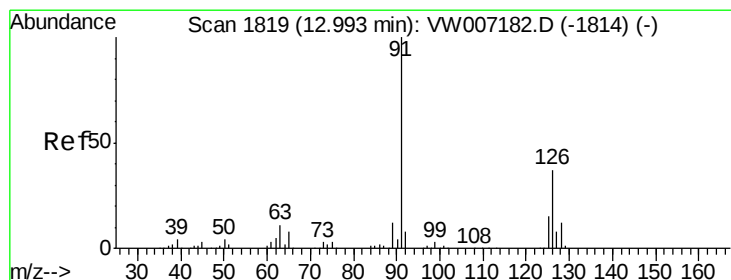
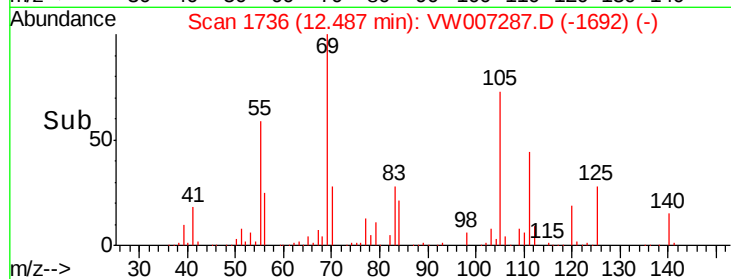
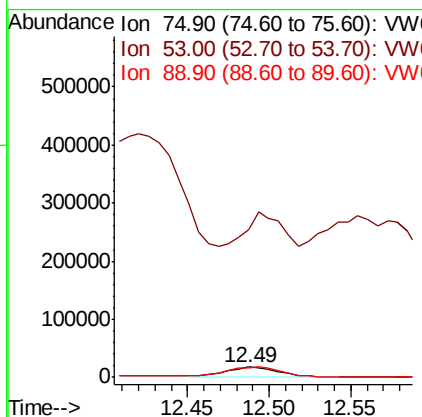
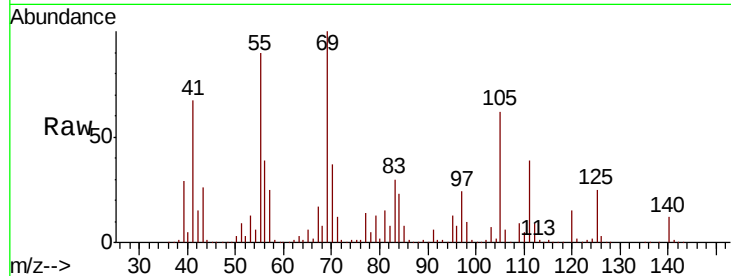




#81
trans-1,4-Dichloro-2-butene
Concen: 64.287 ug/l
RT: 12.49 min Scan# 1736
Delta R.T. -0.03 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

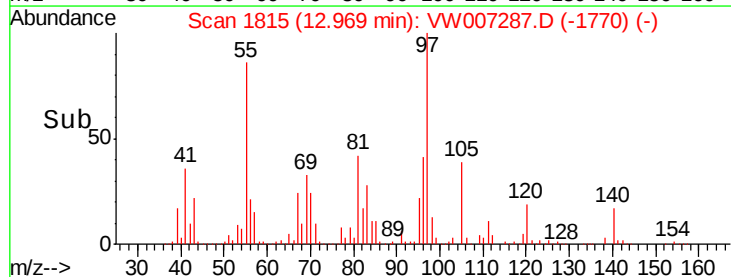
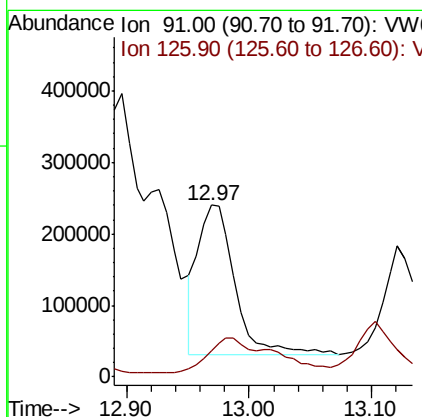
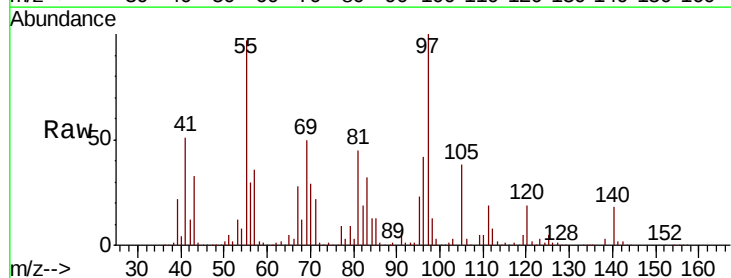
Instrument :
MSVOA_W
ClientSampled :

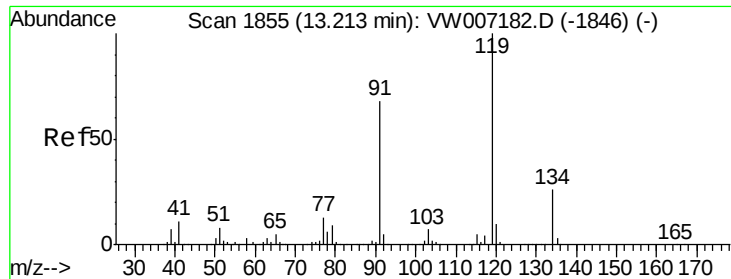
Tot Ion: 75 Resp: 37069
Ion Ratio Lower Upper
75 100
53 214.3 72.8 109.2#
89 105.4 36.4 54.6#



#82
4-Chlorotoluene
Concen: 47.120 ug/l
RT: 12.97 min Scan# 1815
Delta R.T. -0.02 min
Lab File: VW007287.D
Acq: 06 Dec 2018 19:09

Tgt Ion: 91 Resp: 440262
Ion Ratio Lower Upper
91 100
126 42.2 17.4 52.3





#83

tert-Butylbenzene

Concen: 74.451 ug/l

RT: 13.22 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampleId :

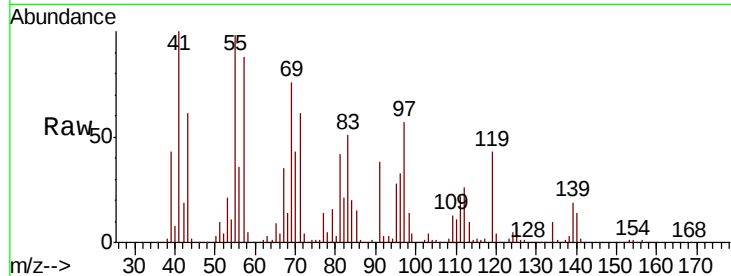
Tot Ion:119 Resp: 726609

Ion Ratio Lower Upper

119 100

91 86.1 34.0 101.8

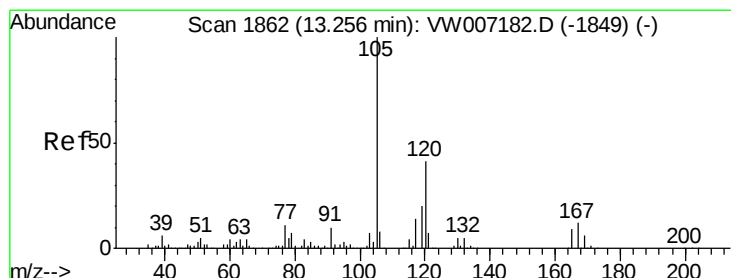
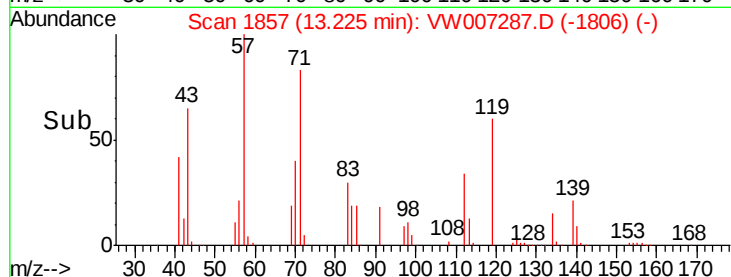
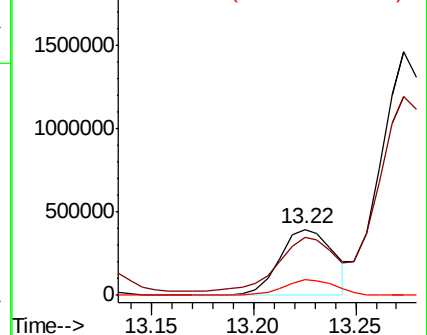
134 23.1 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1549.707 ug/l

RT: 13.27 min Scan# 1865

Delta R.T. 0.02 min

Lab File: VW007287.D

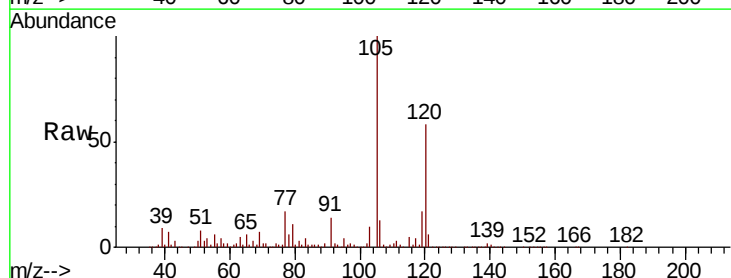
Acq: 06 Dec 2018 19:09

Tgt Ion:105 Resp:17666495

Ion Ratio Lower Upper

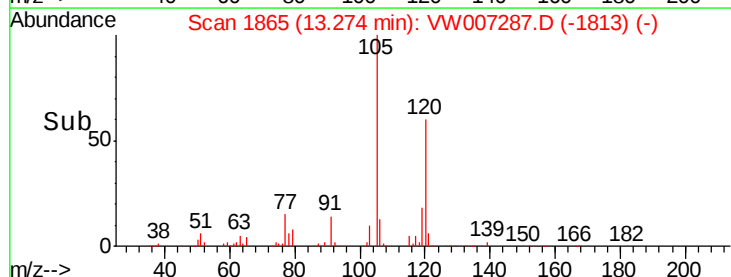
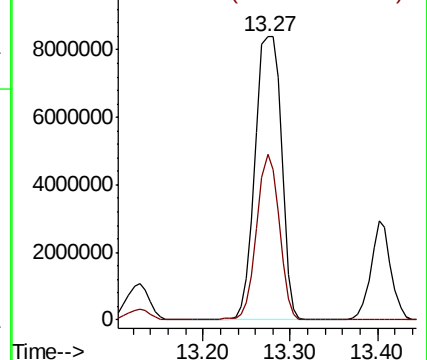
105 100

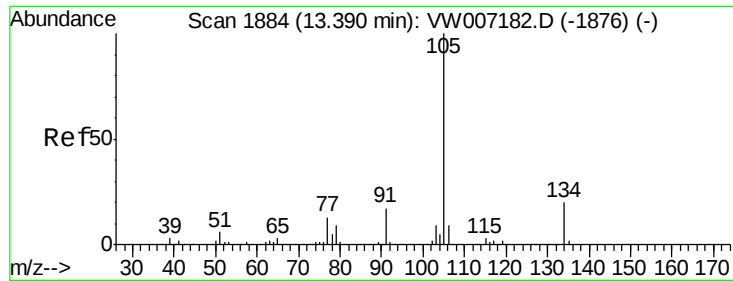
120 50.1 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

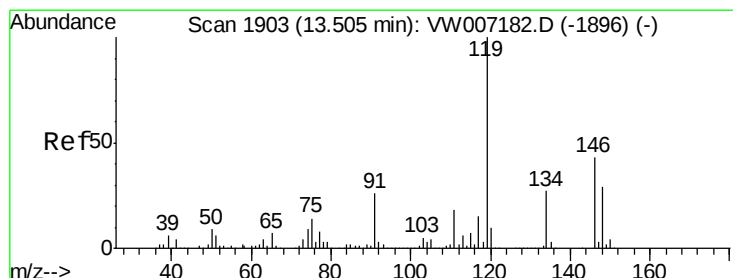
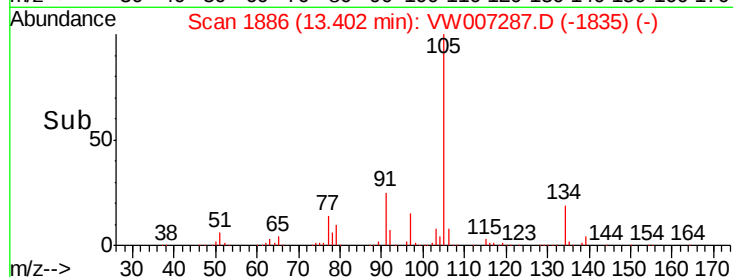
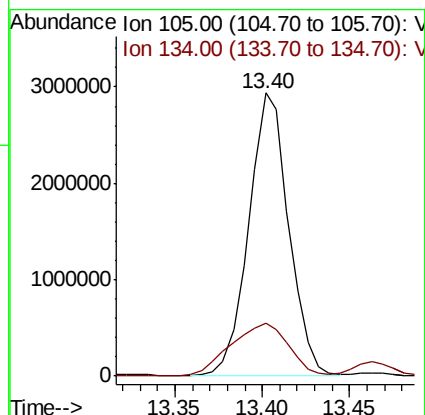
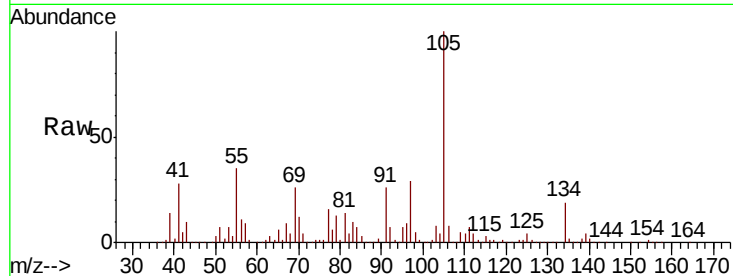




#85
 sec-Butylbenzene
 Concen: 331.052 ug/l
 RT: 13.40 min Scan# 1886
 Delta R.T. 0.01 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

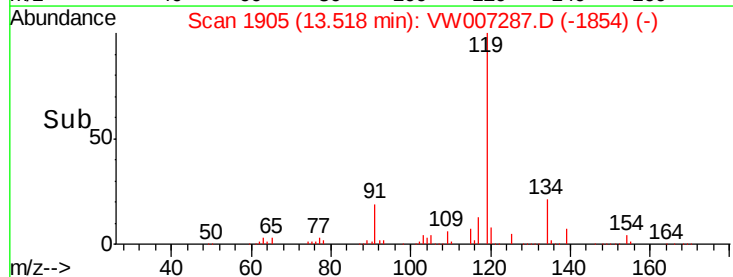
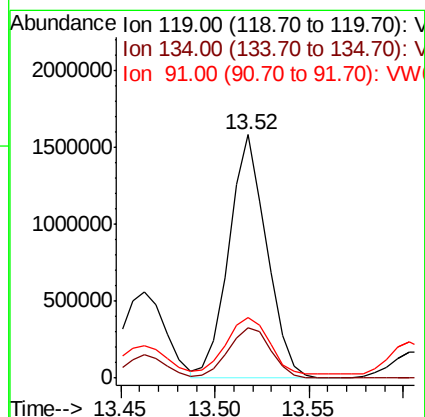
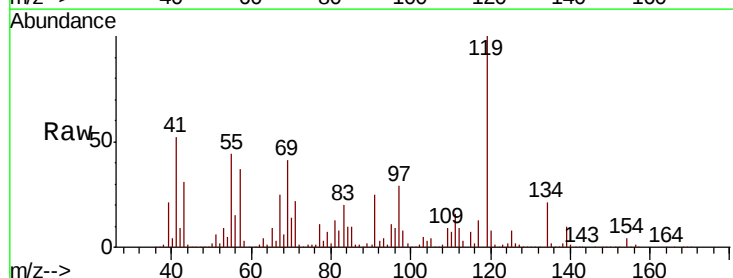
Instrument :
 MSVOA_W
 ClientSampleId :

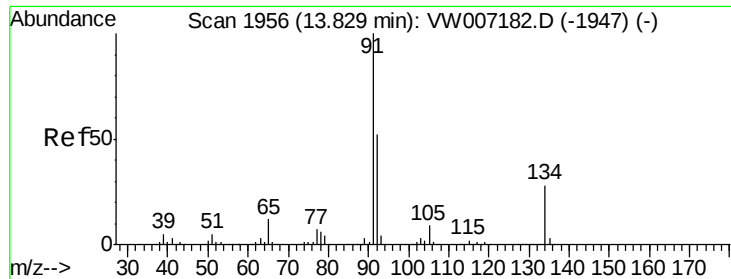
Tot Ion:105 Resp: 4612464
 Ion Ratio Lower Upper
 105 100
 134 27.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 176.986 ug/l
 RT: 13.52 min Scan# 1905
 Delta R.T. 0.01 min
 Lab File: VW007287.D
 Acq: 06 Dec 2018 19:09

Tgt Ion:119 Resp: 2195151
 Ion Ratio Lower Upper
 119 100
 134 23.3 13.2 39.6
 91 26.5 12.4 37.2





#89

n-Butylbenzene

Concen: 235.503 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampled :

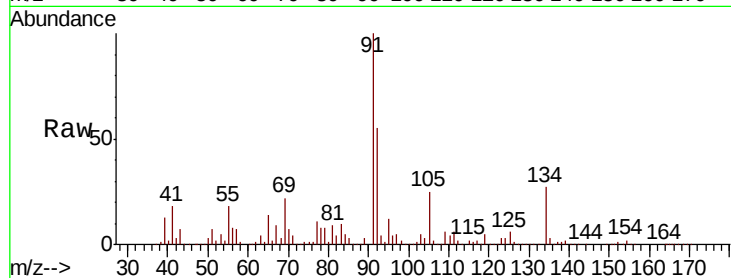
Tot Ion: 91 Resp: 2729511

Ion Ratio Lower Upper

91 100

92 43.6 26.5 79.5

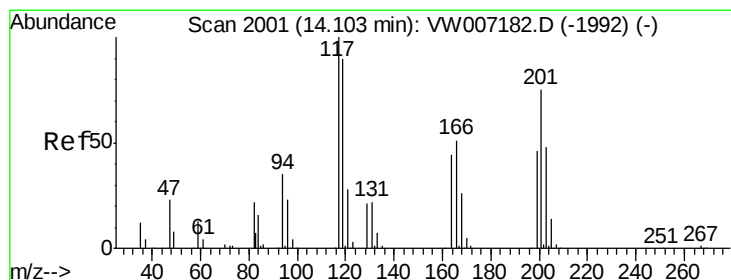
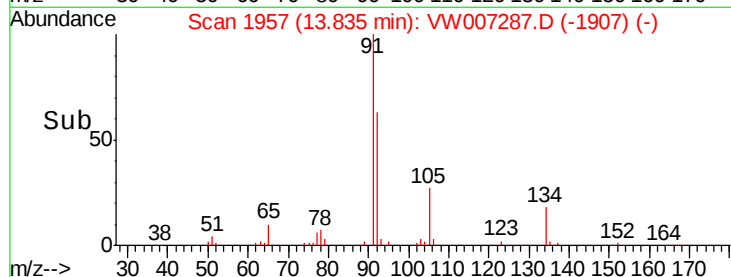
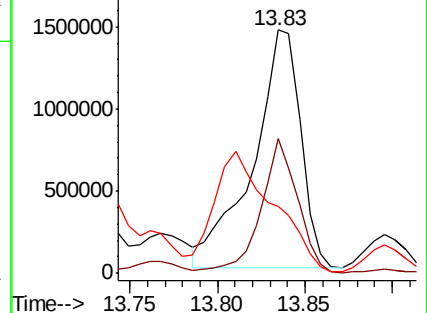
134 0.0 14.1 42.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 186.964 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007287.D

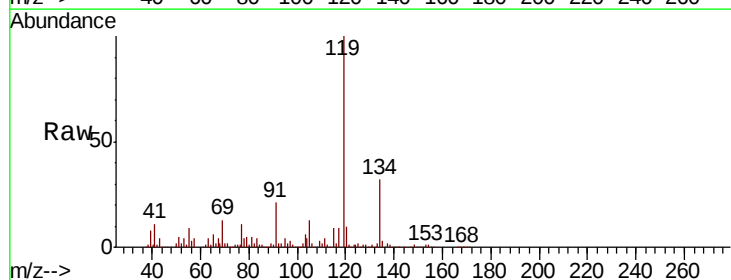
Acq: 06 Dec 2018 19:09

Tgt Ion: 117 Resp: 353373

Ion Ratio Lower Upper

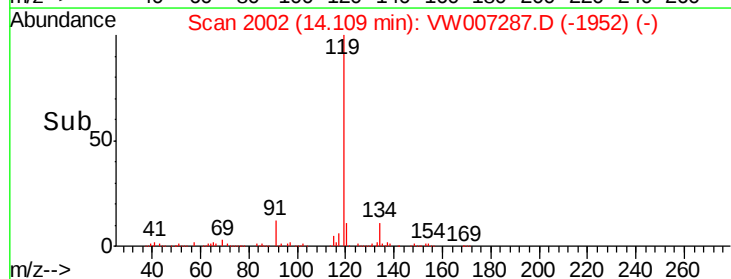
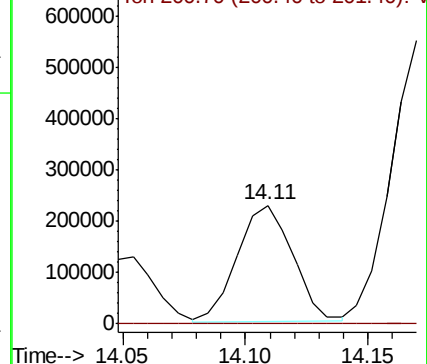
117 100

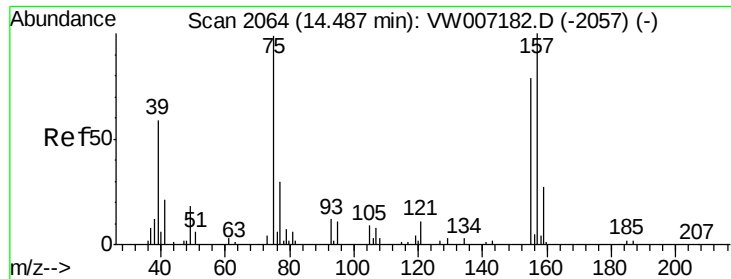
201 0.0 36.0 108.1#



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: 9.448 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

Instrument :

MSVOA_W

ClientSampled :

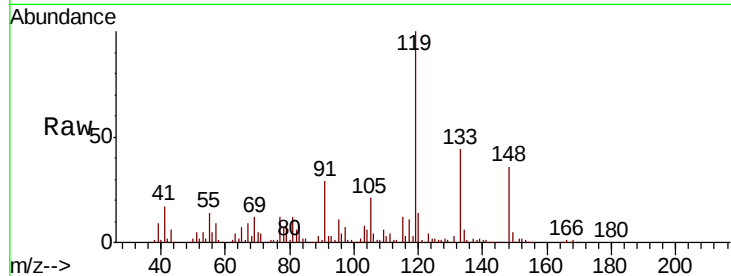
Tot Ion: 75 Resp: 3103

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.2#

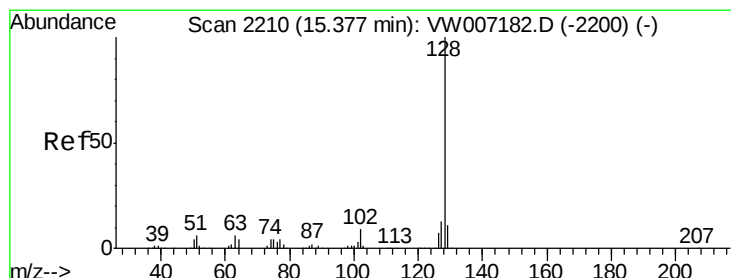
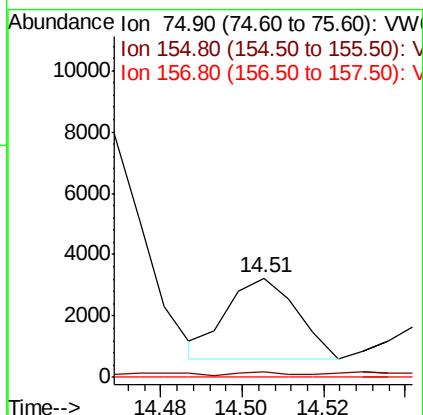
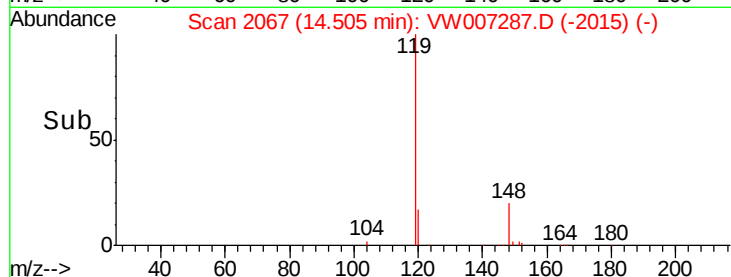
157 0.0 55.3 165.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 24.568 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007287.D

Acq: 06 Dec 2018 19:09

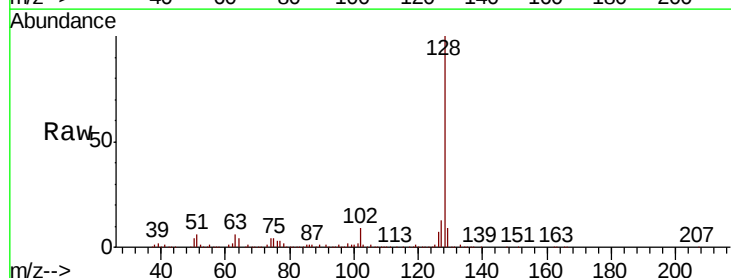
Tgt Ion: 128 Resp: 152807

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

