

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006989.D
 Acq On : 20 Nov 2018 21:48
 Operator : SY/AP
 Sample : J5993-03RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	2830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	4900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	3139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	1339	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	7.88	113	1325	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	10.32	98	6374	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.62	95	1660	34.52	ug/l	0.00
Spiked Amount			Recovery	=	69.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.94	64	200	15.836	ug/l #	43
15) Acrylonitrile	5.44	53	144	26.393	ug/l #	33
16) Acetone	4.13	43	1133	281.656	ug/l	91
17) Carbon Disulfide	4.40	76	900	10.868	ug/l #	74
20) Methylene Chloride	4.90	84	19	Below Cal	#	10
25) 2-Butanone	7.17	43	340	49.349	ug/l #	48
31) Cyclohexane	7.95	56	5988	112.219	ug/l #	79
36) 1,1-Dichloropropene	7.96	75	163	3.404	ug/l #	41
37) Ethyl Acetate	7.28	43	23	1.326	ug/l #	69
38) Carbon Tetrachloride	7.96	117	304	6.630	ug/l #	13
39) Methylcyclohexane	9.34	83	26722	445.949	ug/l	94
40) Benzene	8.33	78	6070	46.962	ug/l #	89
41) Methacrylonitrile	7.50	41	80	7.424	ug/l #	56
43) Isopropyl Acetate	8.43	43	3004	90.848	ug/l #	49
45) 1,2-Dichloropropane	9.33	63	302	9.478	ug/l #	1
46) Dibromomethane	9.46	93	85	5.327	ug/l #	71
47) Bromodichloromethane	9.63	83	1207	28.711	ug/l #	24
48) Methyl methacrylate	9.48	41	1011	63.410	ug/l #	12
51) 4-Methyl-2-Pentanone	10.26	43	1577	94.373	ug/l #	86
53) t-1,3-Dichloropropene	10.73	75	268	6.581	ug/l #	44
55) 1,1,2-Trichloroethane	10.76	97	8091	344.660	ug/l #	23
56) Ethyl methacrylate	10.67	69	3219	118.130	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.85	63	41	2.879	ug/l #	45
59) 2-Hexanone	10.94	43	10404	909.199	ug/l #	31
60) Dibromochloromethane	11.03	129	191	7.140	ug/l	94
61) 1,2-Dibromoethane	11.12	107	98	4.563	ug/l	82
64) Tetrachloroethene	10.92	164	27	1.337	ug/l #	4
65) Chlorobenzene	11.66	112	211	3.221	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.92	131	218	11.000	ug/l	72
67) Ethyl Benzene	11.74	91	1957	16.260	ug/l	99
68) m/p-Xylenes	11.84	106	11896	251.930	ug/l	95
69) o-Xylene	12.17	106	7271	163.305	ug/l	98
70) Styrene	12.17	104	882	12.446	ug/l #	1
71) Bromoform	12.35	173	515	55.161	ug/l #	29

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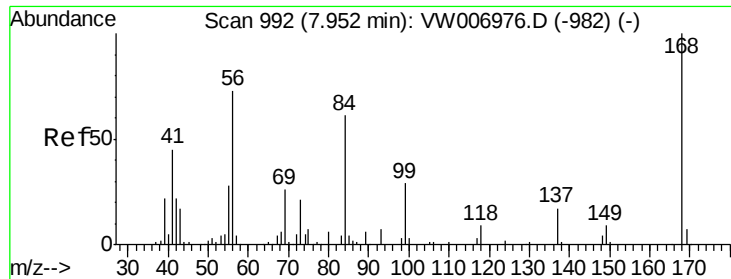
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	12.47	105	3832	93.206	ug/l	79
74) N-amyl acetate	12.26	43	5970	866.407	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.69	83	11391	2081.889	ug/l #	31
76) 1,2,3-Trichloropropane	12.76	75	41	9.863	ug/l #	100
77) Bromobenzene	12.91	156	63748	7219.169	ug/l #	1
78) n-propylbenzene	12.80	91	4741	95.200	ug/l	99
79) 2-Chlorotoluene	12.90	91	1320	45.970	ug/l	77
80) 1,3,5-Trimethylbenzene	12.94	105	7229	203.332	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.46	75	139	83.951	ug/l #	28
82) 4-Chlorotoluene	13.25	91	1135	37.666	ug/l	80
83) tert-Butylbenzene	13.22	119	2055	66.763	ug/l #	36
84) 1,2,4-Trimethylbenzene	13.26	105	13475	380.420	ug/l	89
85) sec-Butylbenzene	13.50	105	6252	143.774	ug/l	90
86) p-Isopropyltoluene	13.50	119	3823	99.653	ug/l #	70
87) 1,3-Dichlorobenzene	13.51	146	263	14.589	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	319	17.748	ug/l #	1
89) n-Butylbenzene	13.79	91	487	13.490	ug/l #	1
90) Hexachloroethane	14.10	117	716	127.838	ug/l #	14
91) 1,2-Dichlorobenzene	13.87	146	370	23.423	ug/l #	42
92) 1,2-Dibromo-3-Chloropropan	14.69	75	151	163.405	ug/l	77
93) 1,2,4-Trichlorobenzene	15.14	180	56	5.376	ug/l #	1
95) Naphthalene	15.38	128	804	42.522	ug/l #	69

(#) = 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: VW006989.D

Acq: 20 Nov 2018 21:48

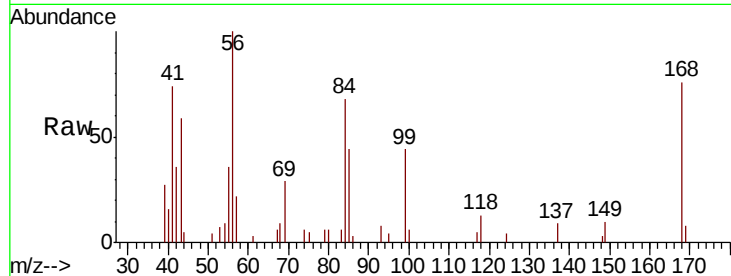
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 2830

Ion Ratio Lower Upper

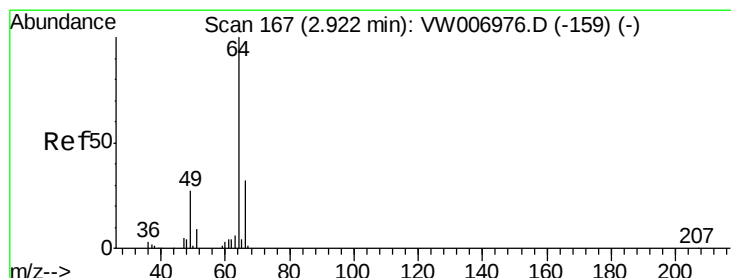
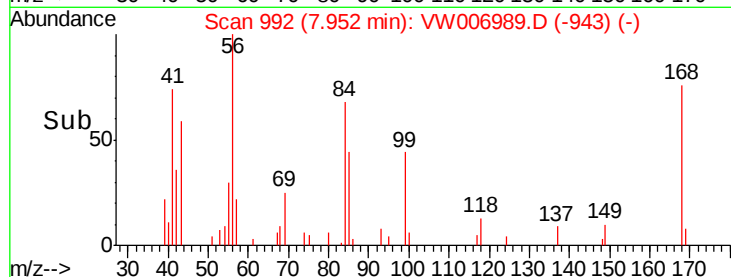
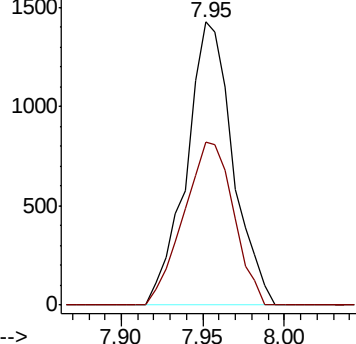
168 100

99 57.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#6

Chloroethane

Concen: 15.836 ug/l

RT: 2.94 min Scan# 170

Delta R.T. 0.02 min

Lab File: VW006989.D

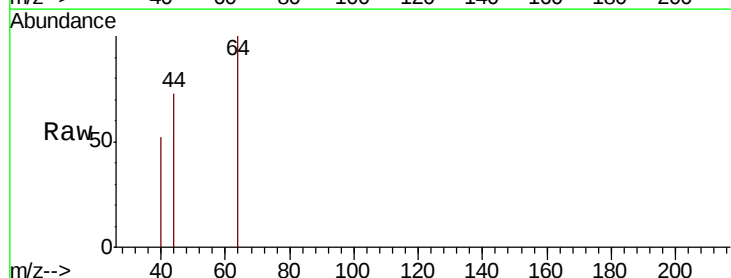
Acq: 20 Nov 2018 21:48

Tgt Ion: 64 Resp: 200

Ion Ratio Lower Upper

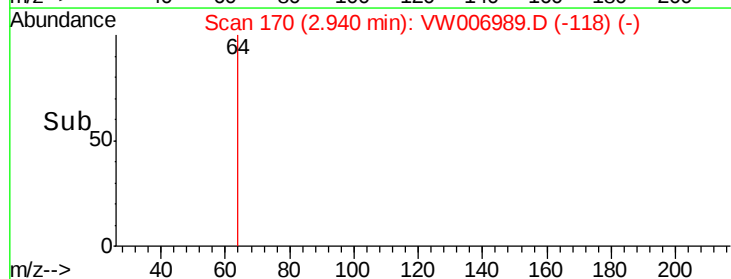
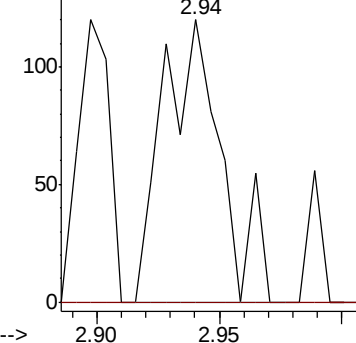
64 100

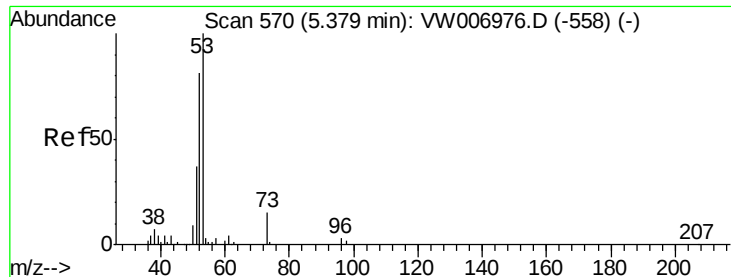
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#15

Acrylonitrile

Concen: 26.393 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

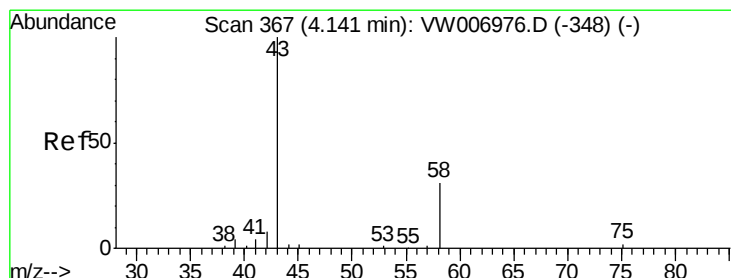
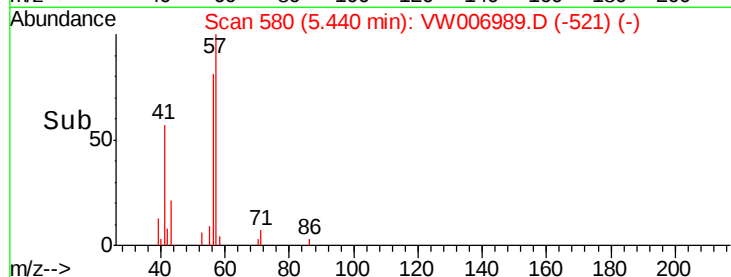
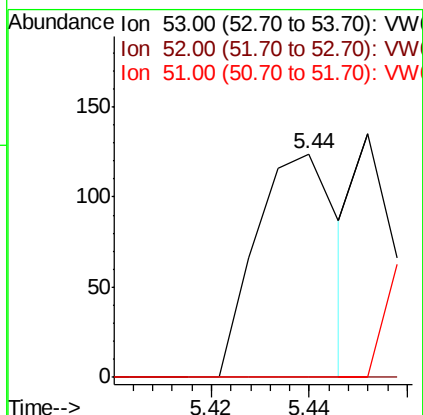
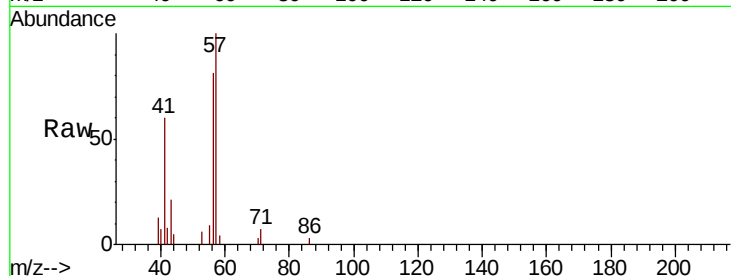
Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 144

Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.7	98.5#
51	44.4	29.9	44.9



#16

Acetone

Concen: 281.656 ug/l

RT: 4.13 min Scan# 365

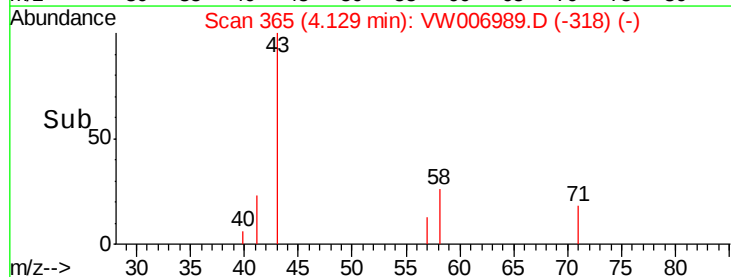
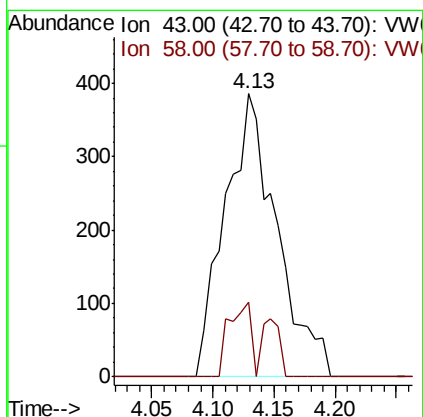
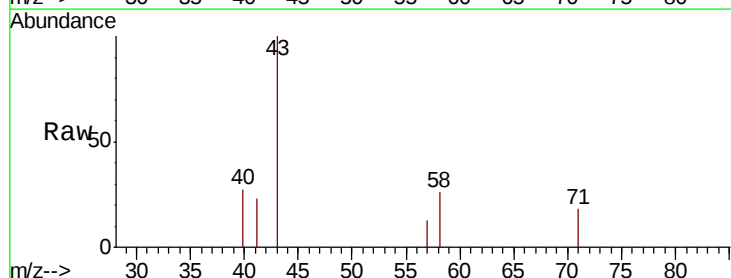
Delta R.T. -0.01 min

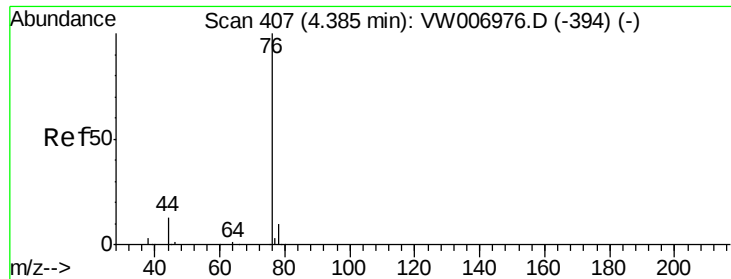
Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Tgt Ion: 43 Resp: 1133

Ion	Ratio	Lower	Upper
43	100		
58	26.2	24.8	37.2

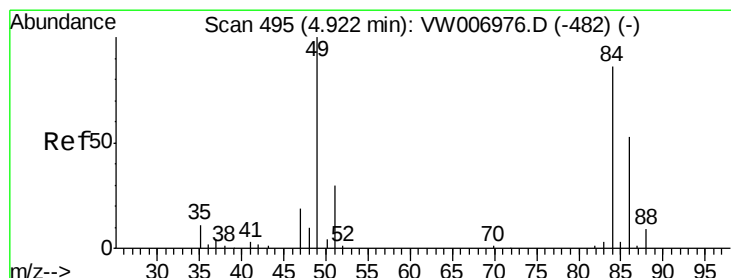
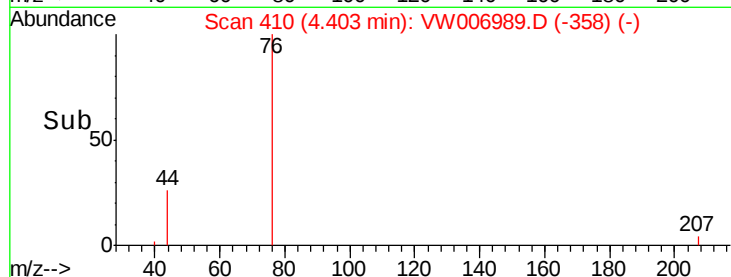
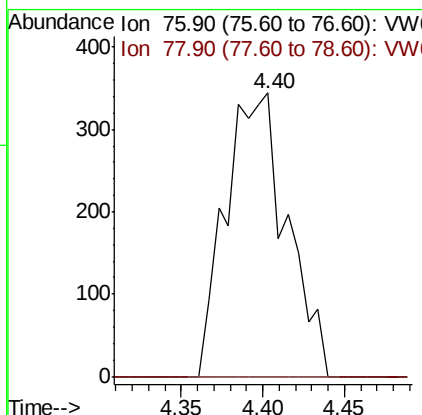
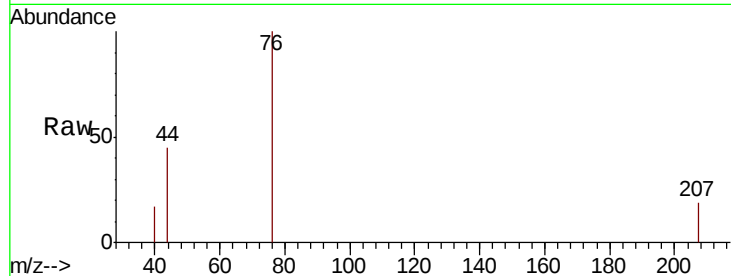




#17
Carbon Disulfide
Concen: 10.868 ug/l
RT: 4.40 min Scan# 410
Delta R.T. 0.02 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

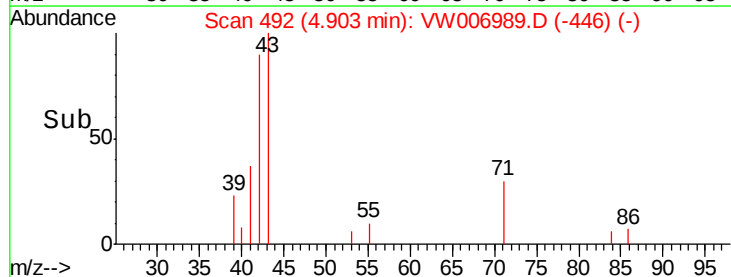
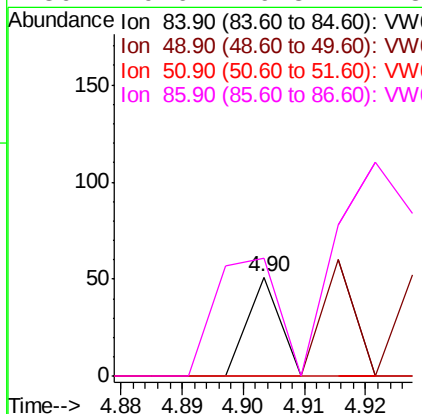
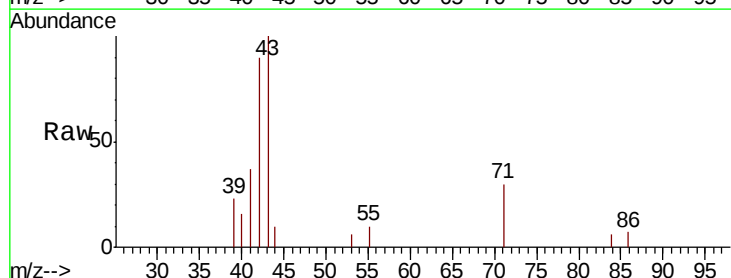
Instrument :
MSVOA_W
ClientSampleId :

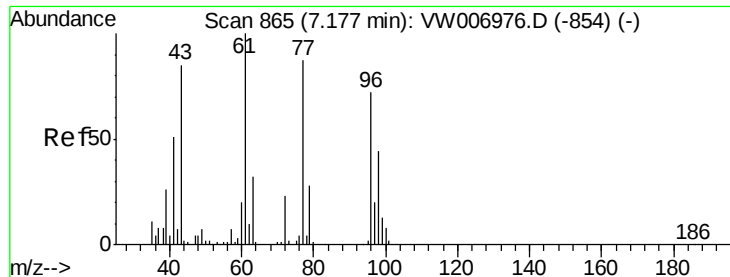
Tot Ion: 76 Resp: 900
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 84 Resp: 19
Ion Ratio Lower Upper
84 100
49 0.0 93.4 140.0#
51 0.0 28.4 42.6#
86 119.6 49.8 74.8#





#25

2-Butanone

Concen: 49.349 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

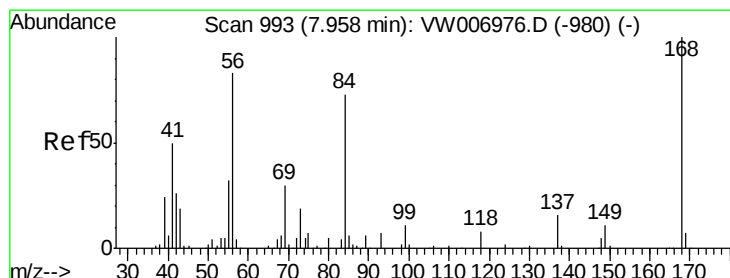
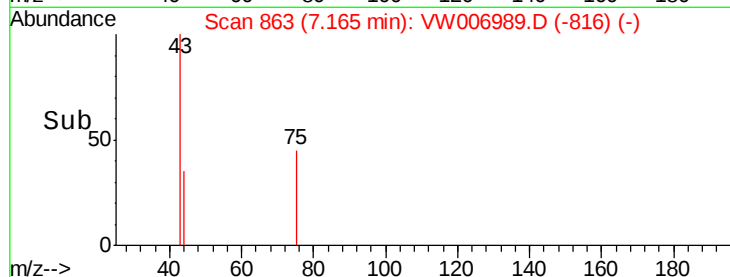
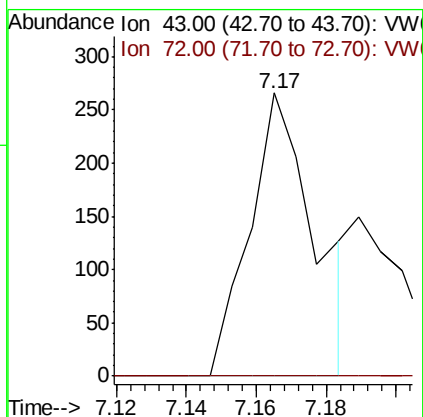
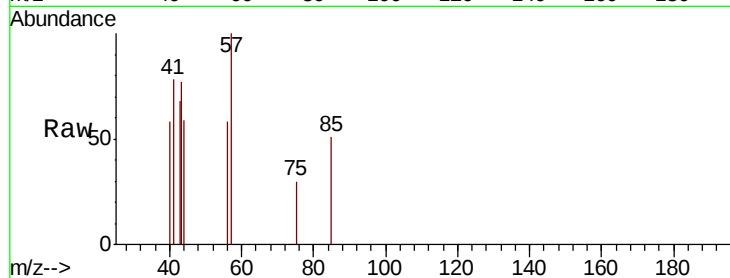
ClientSampled :

Tot Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 112.219 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

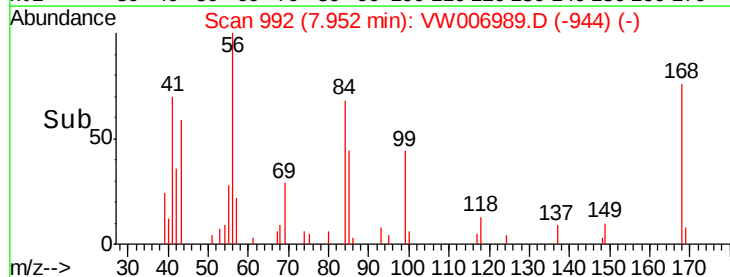
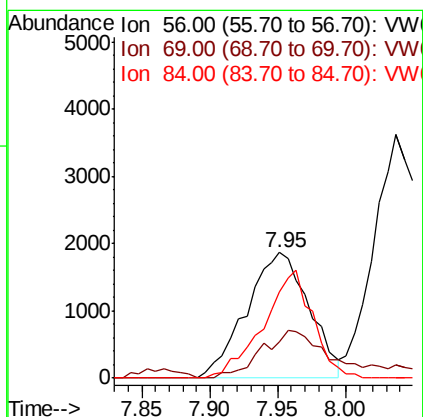
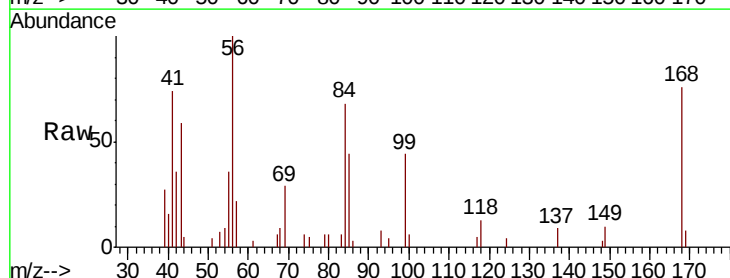
Tgt Ion: 56 Resp: 5988

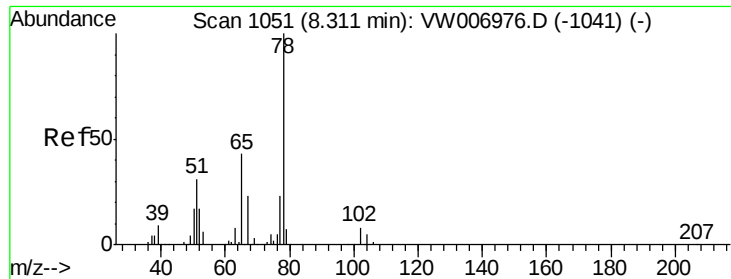
Ion Ratio Lower Upper

56 100

69 25.7 29.1 43.7#

84 68.1 70.6 105.8#

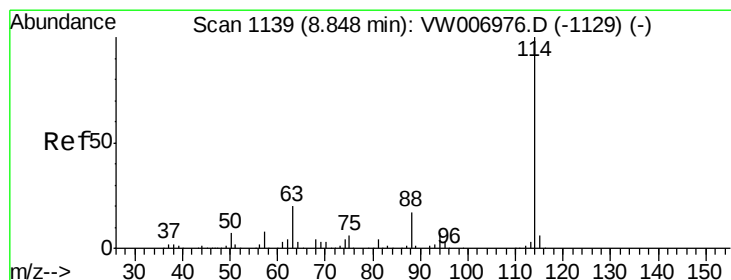
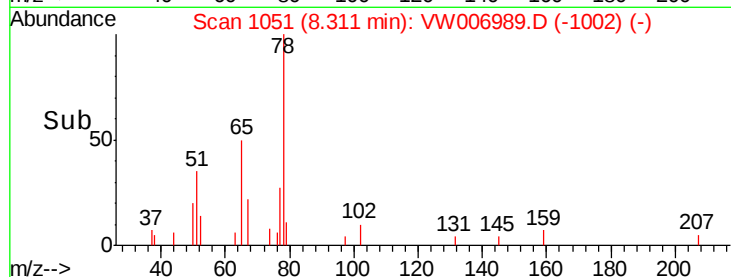
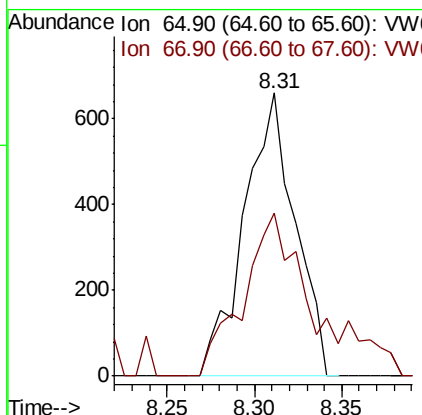
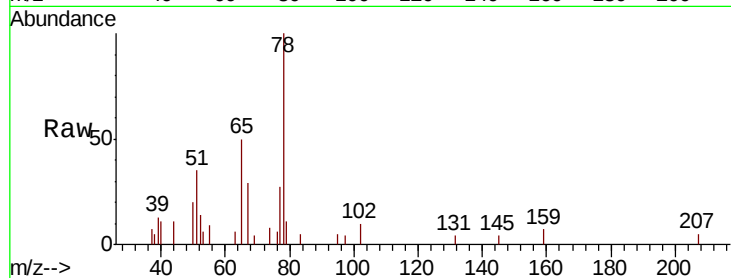




#33
 1,2-Dichloroethane-d4
 Concen: 48.328 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

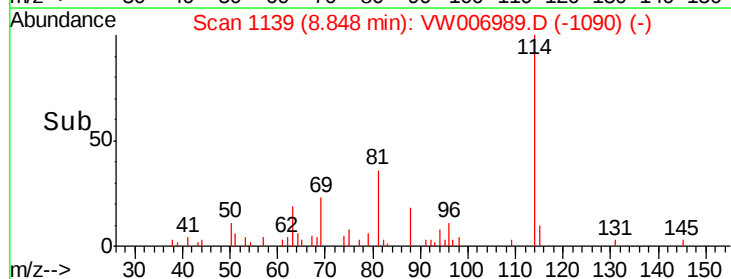
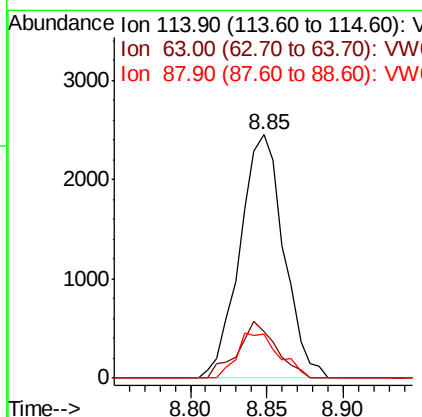
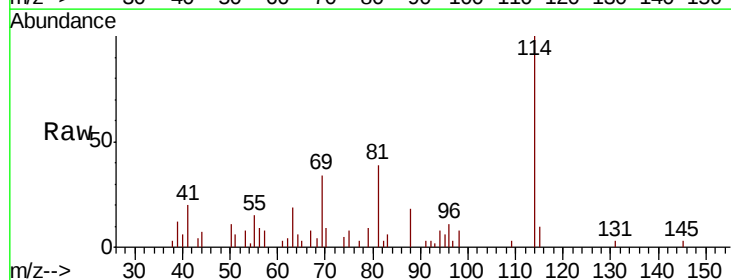
Instrument :
 MSVOA_W
 ClientSampled :

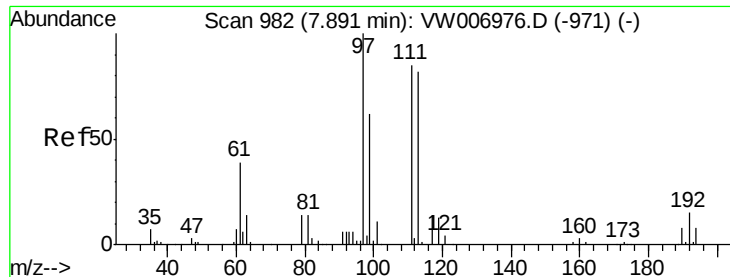
Tot Ion: 65 Resp: 1339
 Ion Ratio Lower Upper
 65 100
 67 79.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

Tgt Ion: 114 Resp: 4900
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 18.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.883 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampleId :

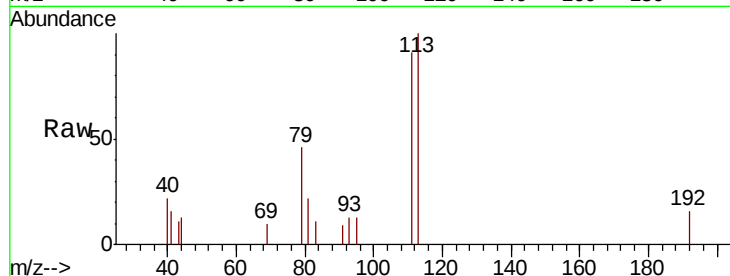
Tot Ion:113 Resp: 1325

Ion Ratio Lower Upper

113 100

111 106.3 81.0 121.6

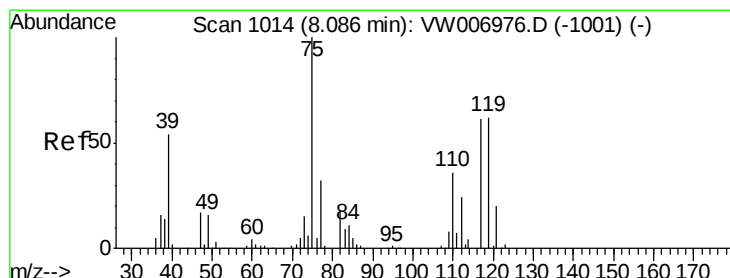
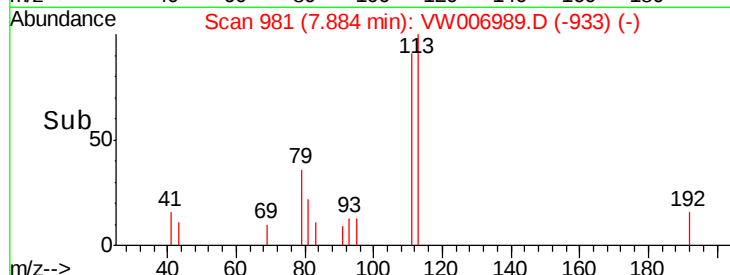
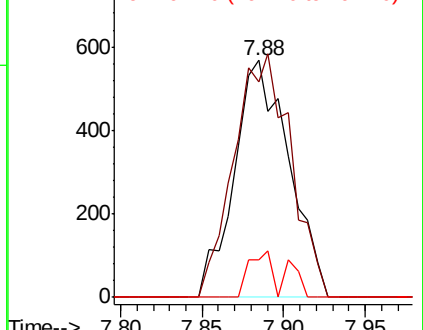
192 8.0 15.0 22.6#



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: 3.404 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

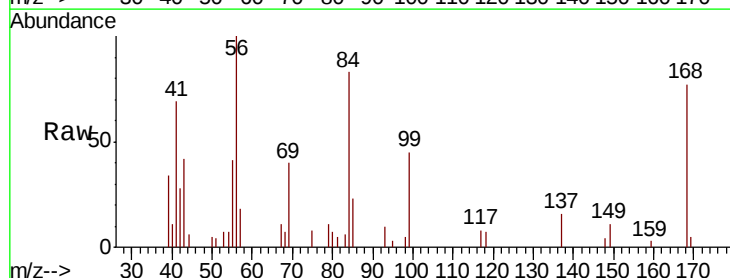
Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

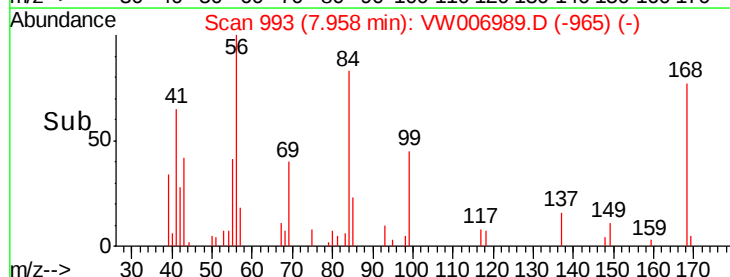
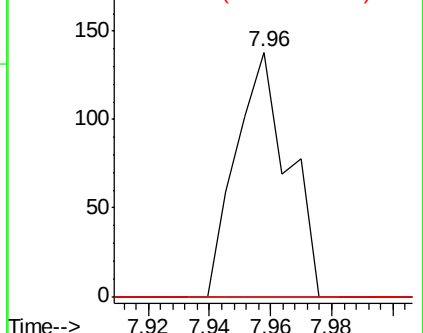
77 0.0 24.9 37.3#

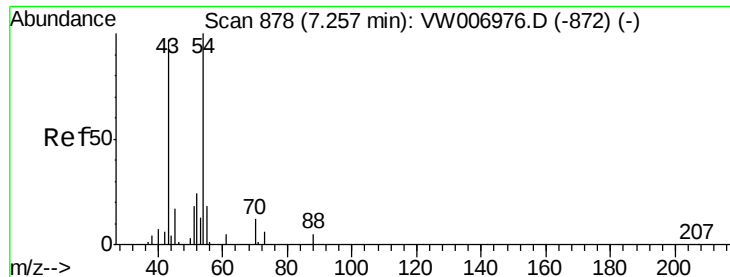


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.326 ug/l

RT: 7.28 min Scan# 882

Delta R.T. 0.02 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampleId :

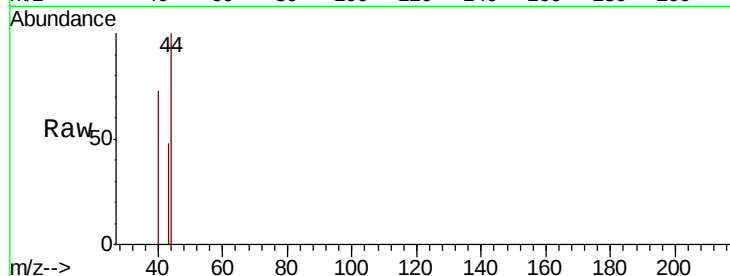
Tot Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 8.8 13.2#

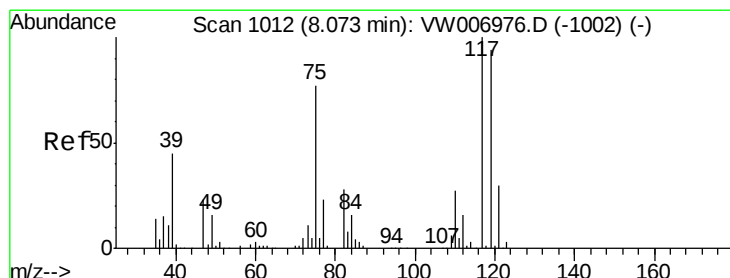
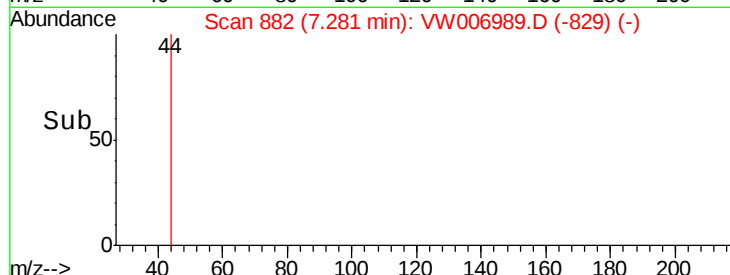
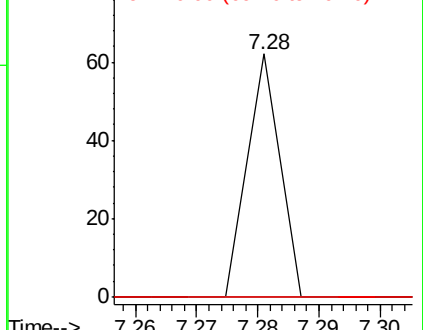


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

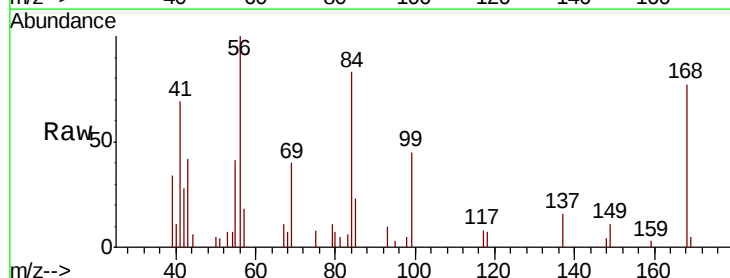
Tgt Ion: 117 Resp: 304

Ion Ratio Lower Upper

117 100

119 0.0 74.9 112.3#

121 0.0 23.6 35.4#

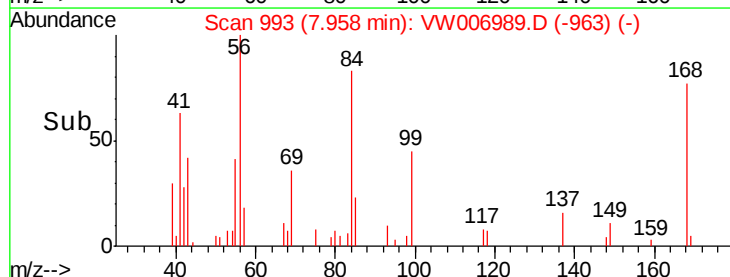
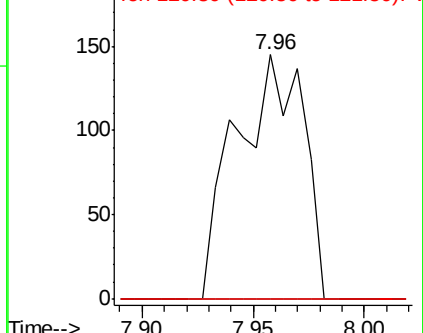


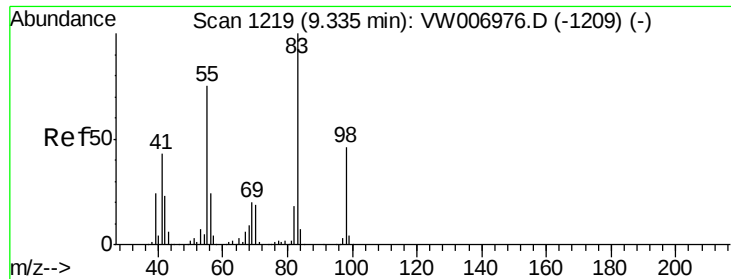
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

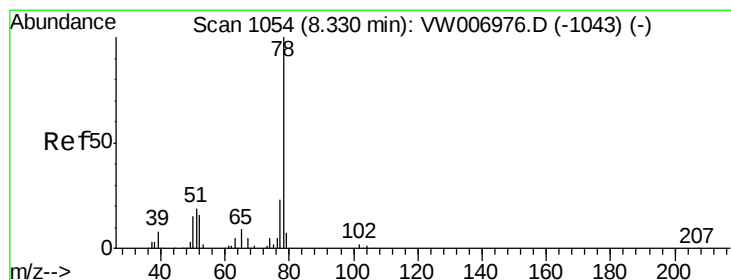
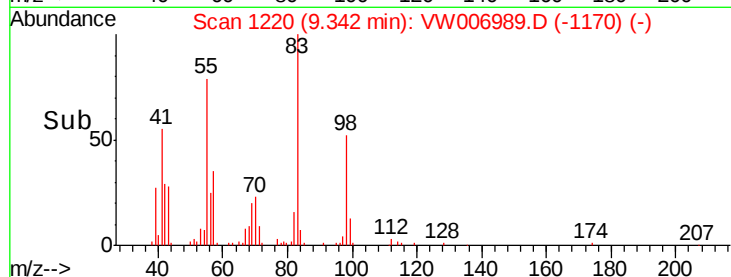
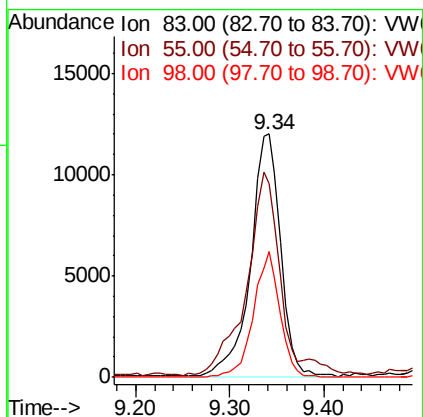
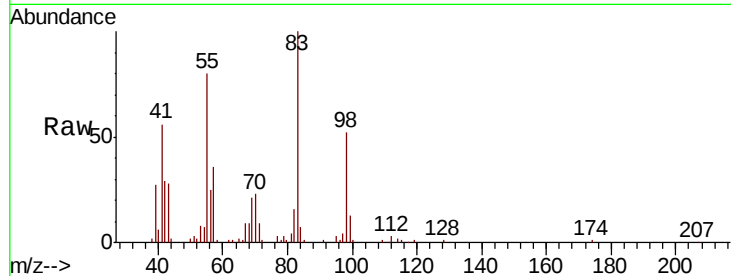




#39
Methvlcvclohexane
Concen: 445.949 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

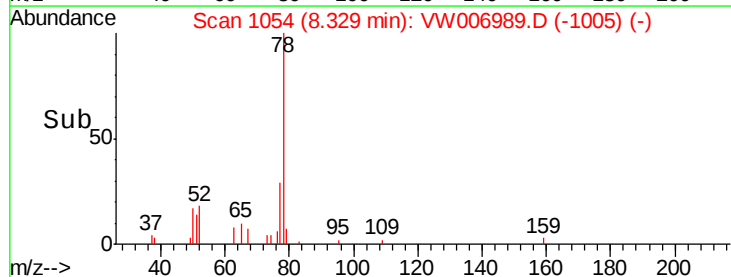
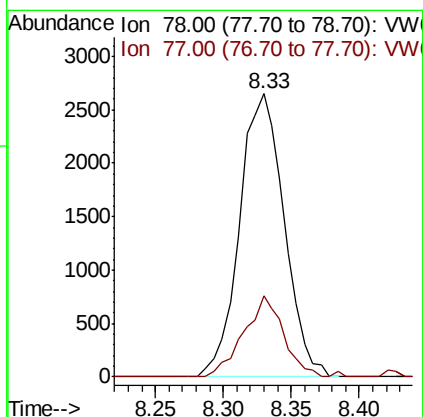
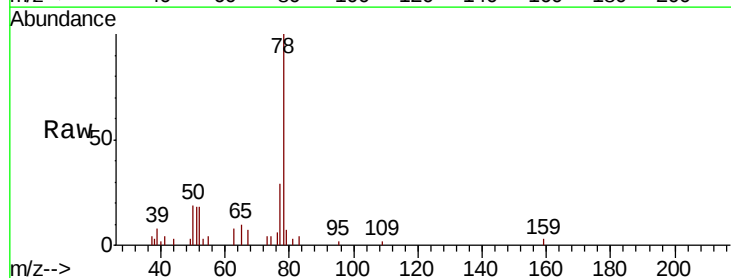
Instrument :
MSVOA_W
ClientSampleId :

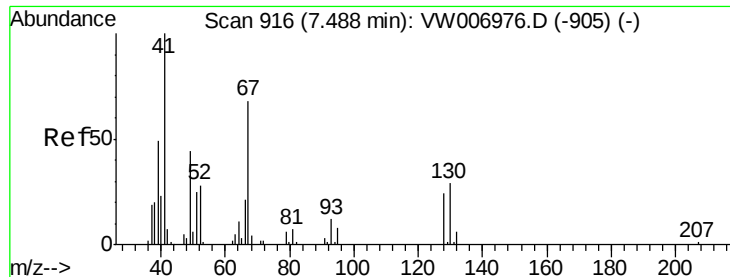
Tot Ion: 83 Resp: 26722
Ion Ratio Lower Upper
83 100
55 78.4 59.6 89.4
98 52.2 37.1 55.7



#40
Benzene
Concen: 46.962 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 78 Resp: 6070
Ion Ratio Lower Upper
78 100
77 28.7 18.6 28.0#

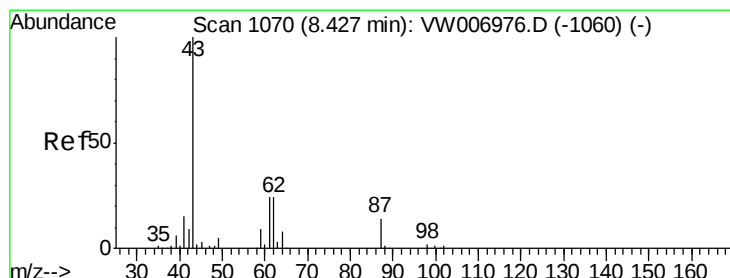
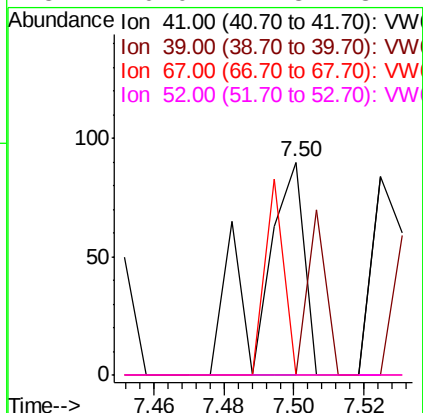
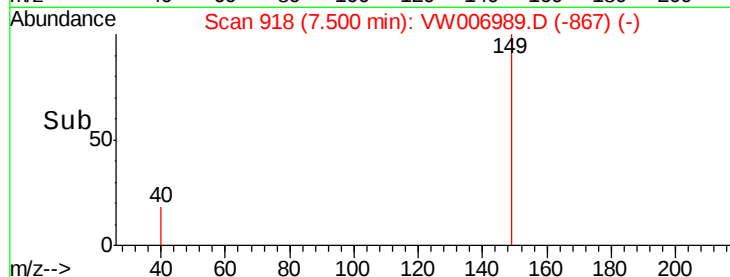
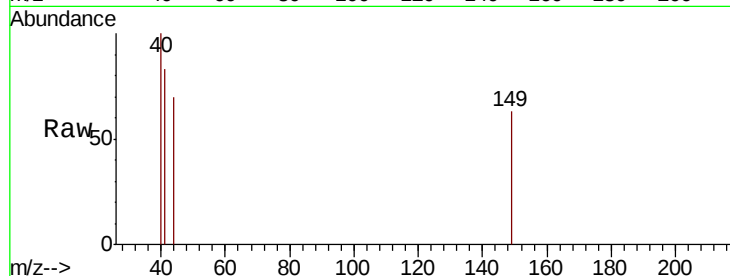




#41
Methacrylonitrile
Concen: 7.424 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

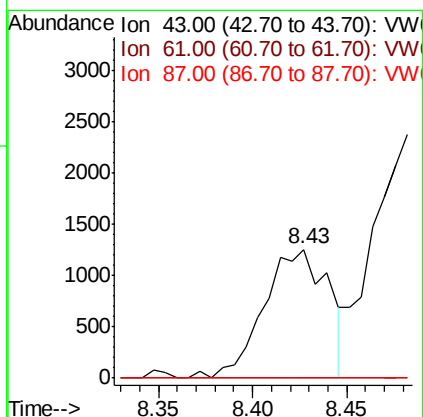
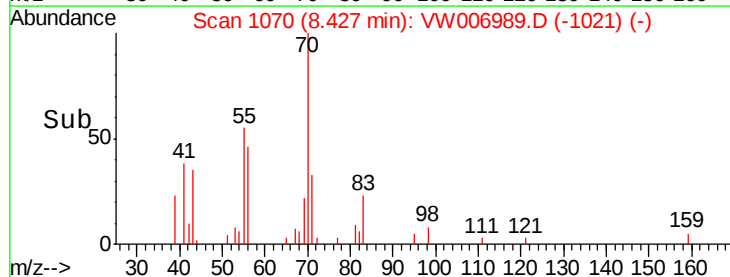
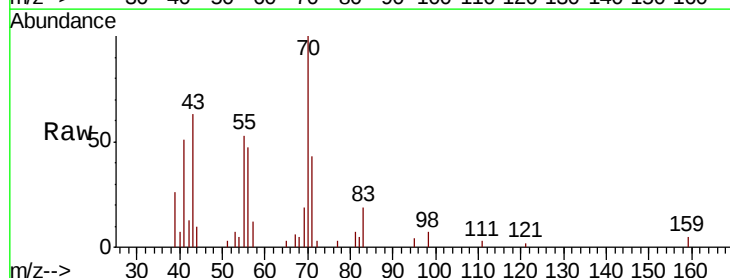
Instrument :
MSVOA_W
ClientSampled :

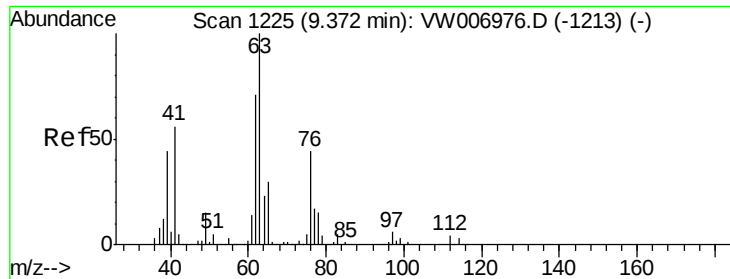
Tot Ion: 41 Resp: 80
Ion Ratio Lower Upper
41 100
39 32.5 48.6 73.0#
67 37.5 59.8 89.8#
52 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 90.848 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
61 0.0 26.1 39.1#
87 0.0 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 9.478 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.04 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

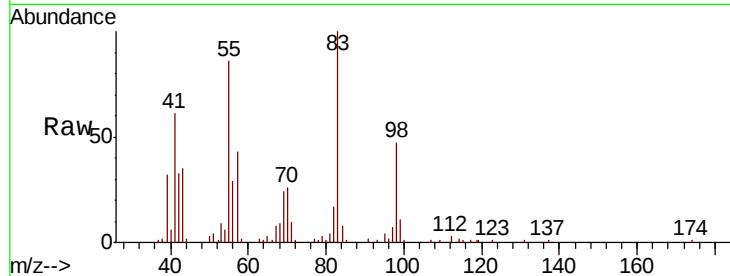
ClientSampled :

Tot Ion: 63 Resp: 302

Ion Ratio Lower Upper

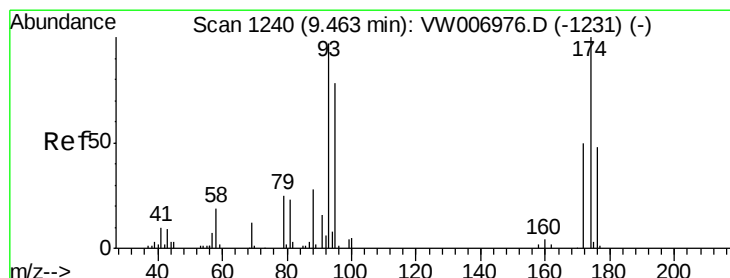
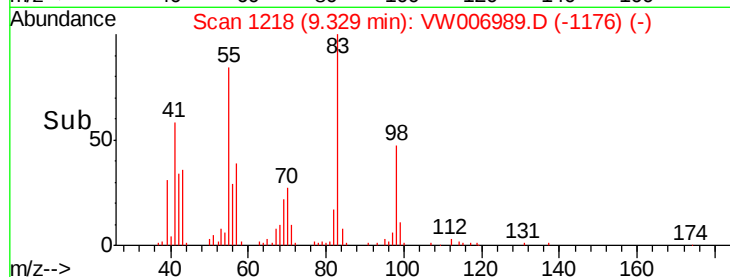
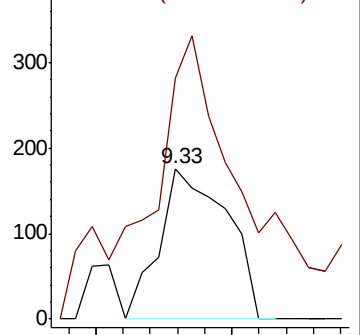
63 100

65 98.9 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.327 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

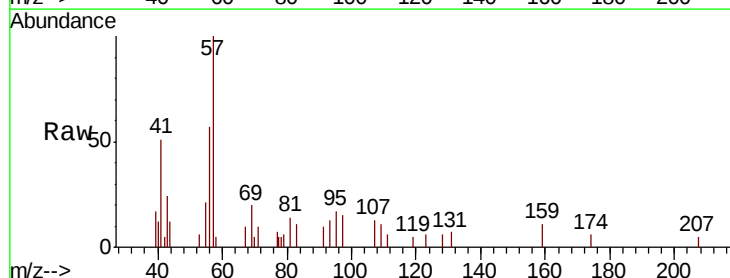
Tgt Ion: 93 Resp: 85

Ion Ratio Lower Upper

93 100

95 89.4 66.1 99.1

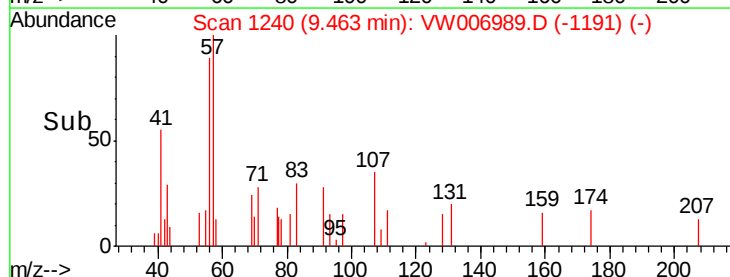
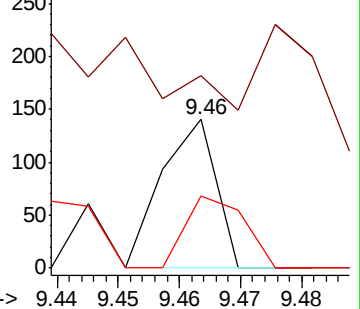
174 52.9 79.7 119.5#

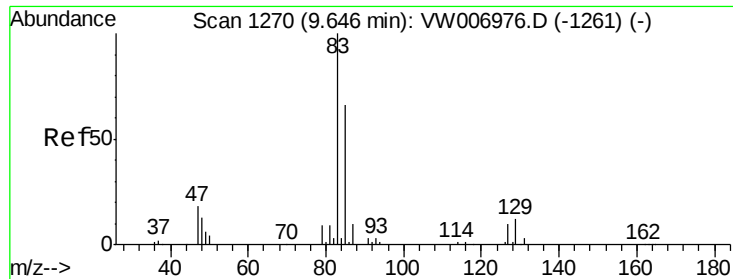


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 28.711 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

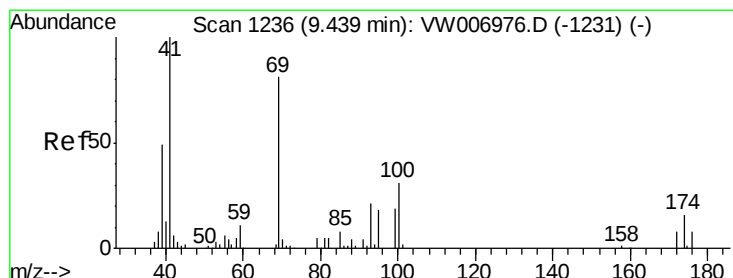
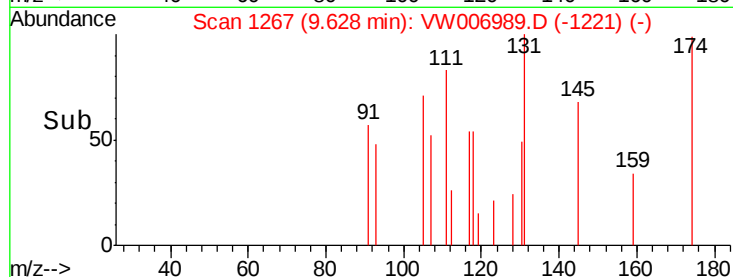
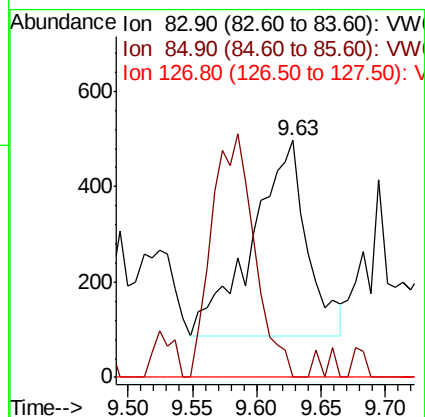
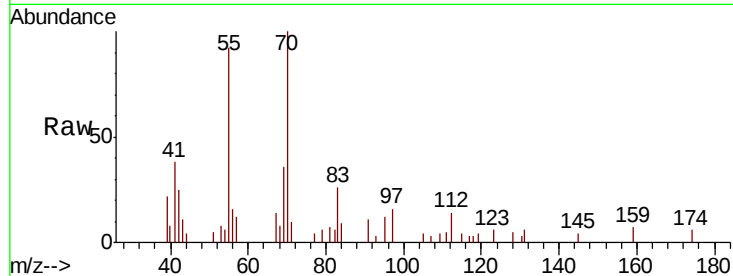
Tot Ion: 83 Resp: 1207

Ion Ratio Lower Upper

83 100

85 0.0 52.9 79.3#

127 0.0 7.8 11.6#



#48

Methyl methacrylate

Concen: 63.410 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.04 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

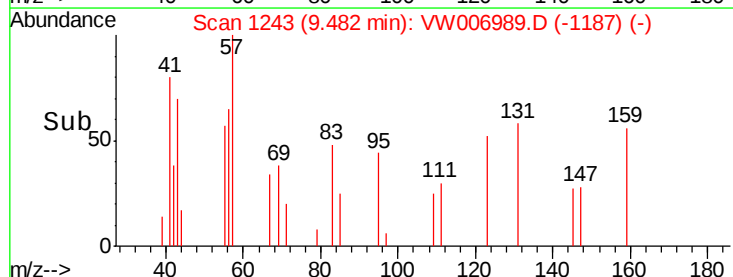
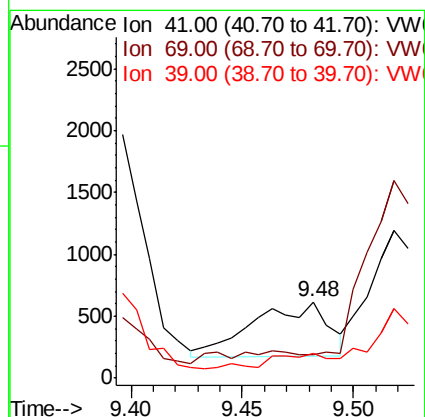
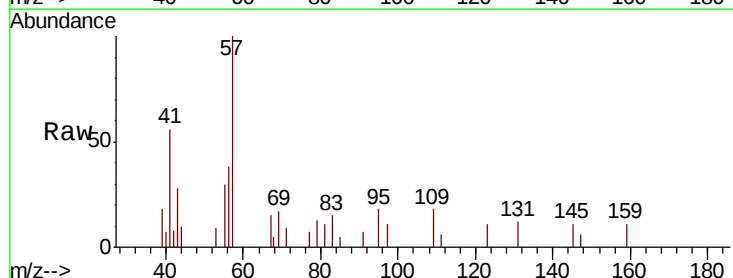
Tgt Ion: 41 Resp: 1011

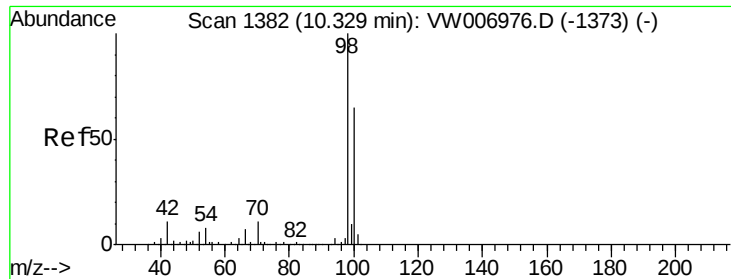
Ion Ratio Lower Upper

41 100

69 0.0 71.4 107.0#

39 0.0 44.8 67.2#





#50

Toluene-d8

Concen: 52.163 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

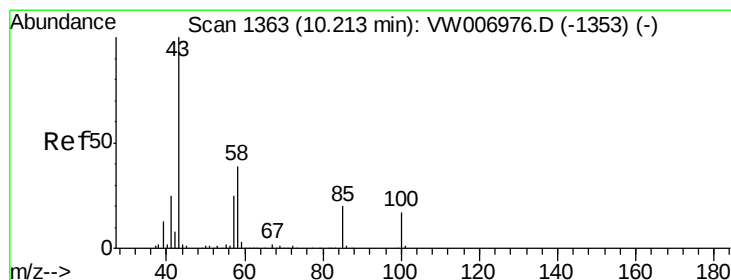
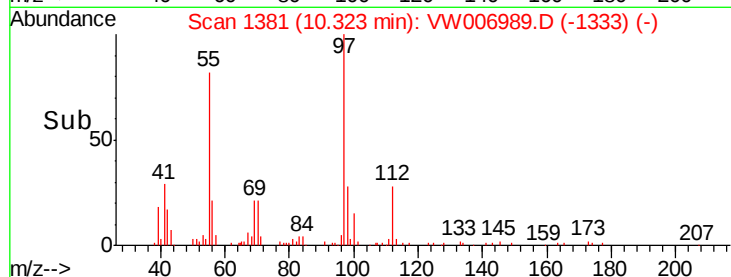
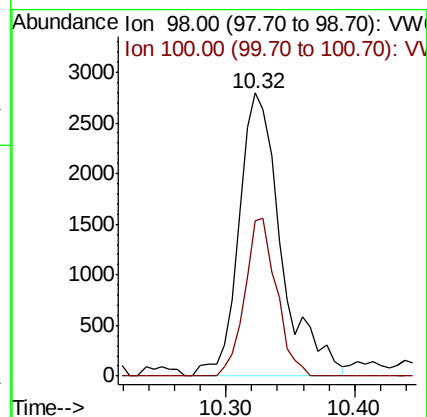
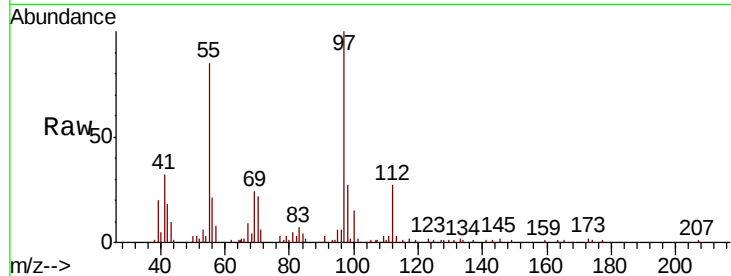
ClientSampleId :

Tot Ion: 98 Resp: 6374

Ion Ratio Lower Upper

98 100

100 41.4 52.2 78.2#



#51

4-Methyl-2-Pentanone

Concen: 94.373 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VW006989.D

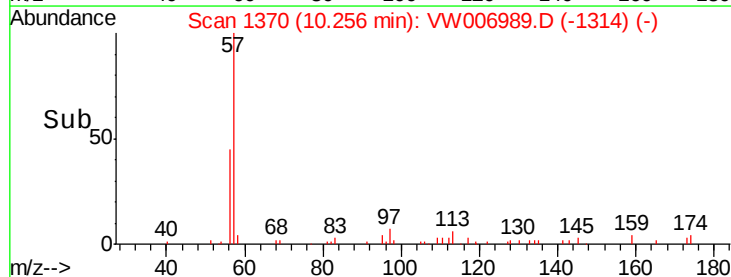
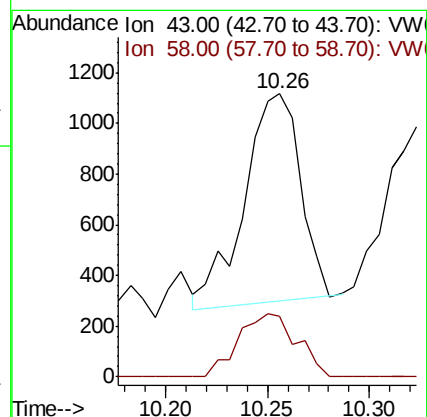
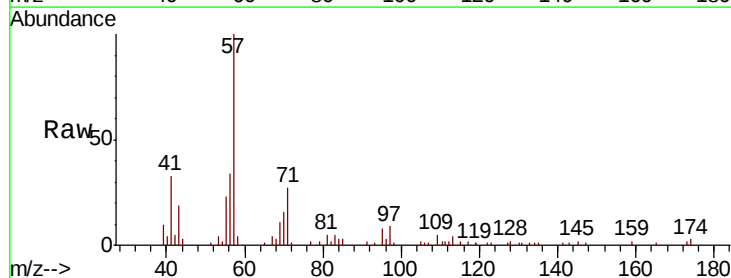
Acq: 20 Nov 2018 21:48

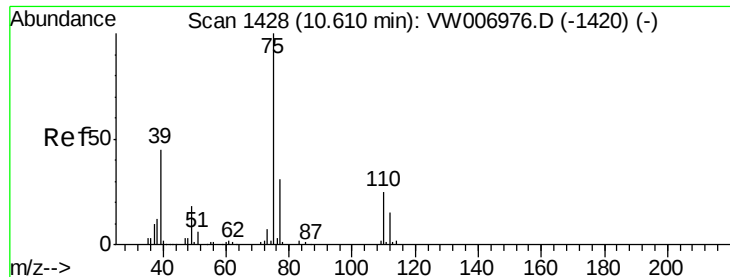
Tgt Ion: 43 Resp: 1577

Ion Ratio Lower Upper

43 100

58 31.3 31.8 47.6#

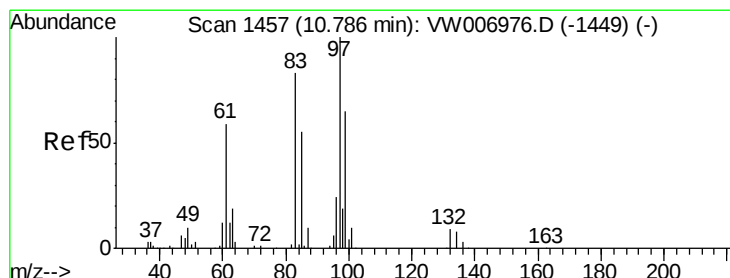
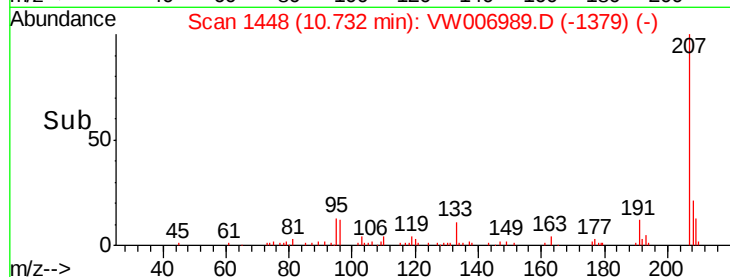
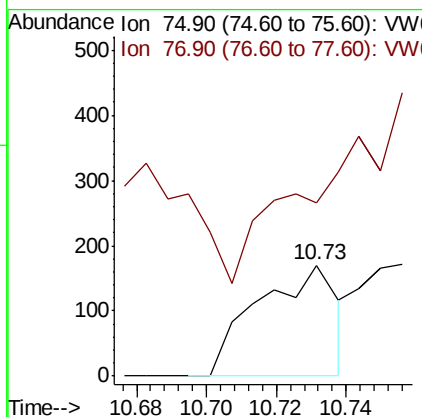
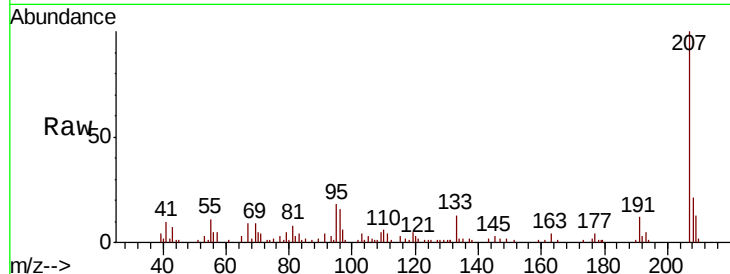




#53
t-1,3-Dichloropropene
Concen: 6.581 ug/l
RT: 10.73 min Scan# 1448
Delta R.T. 0.12 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

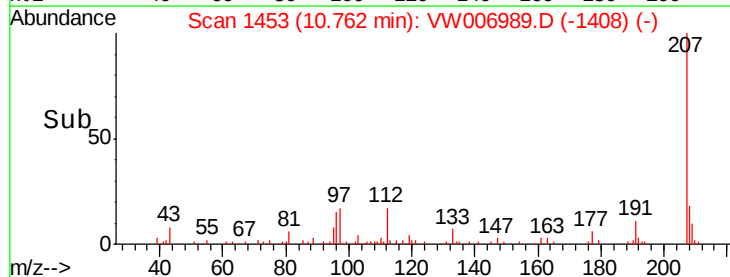
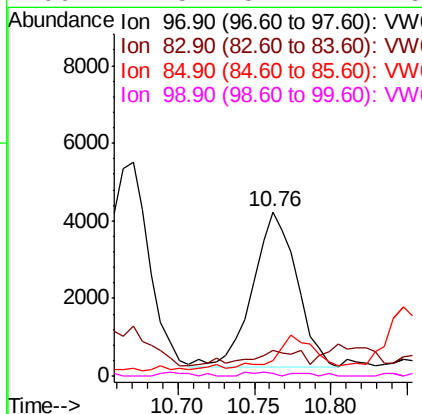
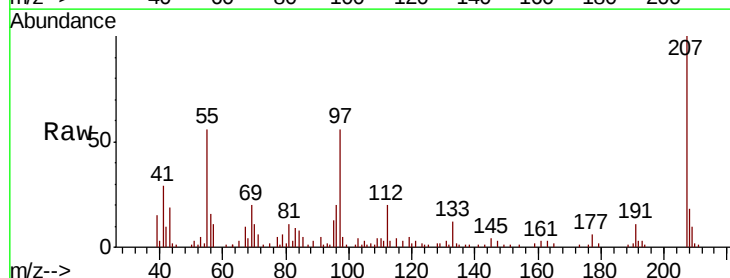
Instrument :
MSVOA_W
ClientSampled :

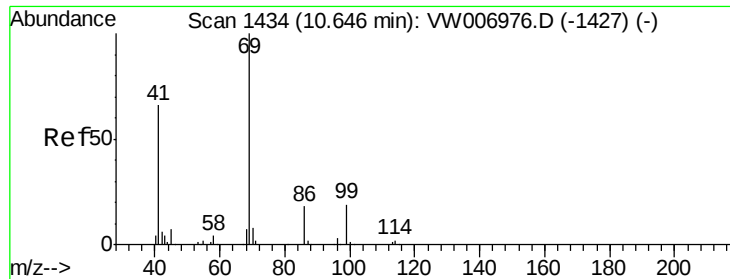
Tot Ion: 75 Resp: 268
Ion Ratio Lower Upper
75 100
77 0.0 24.7 37.1#



#55
1,1,2-Trichloroethane
Concen: 344.660 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 97 Resp: 8091
Ion Ratio Lower Upper
97 100
83 9.6 66.4 99.6#
85 5.9 44.1 66.1#
99 1.5 51.7 77.5#





#56

Ethyl methacrylate

Concen: 118.130 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

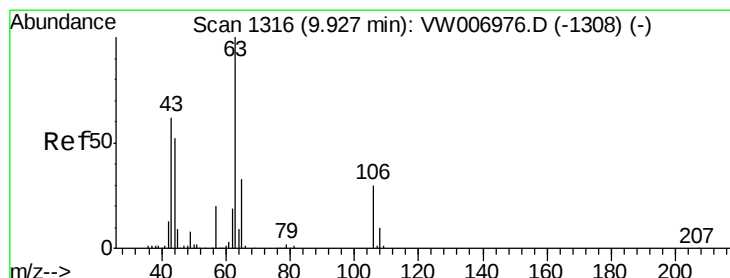
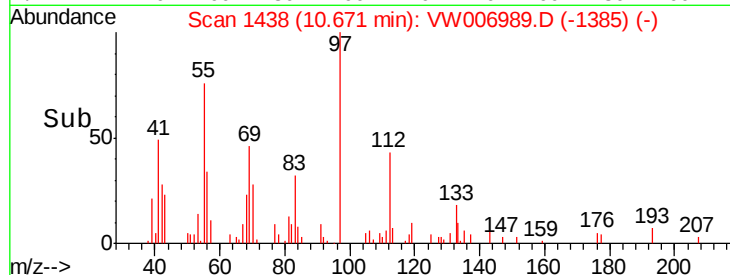
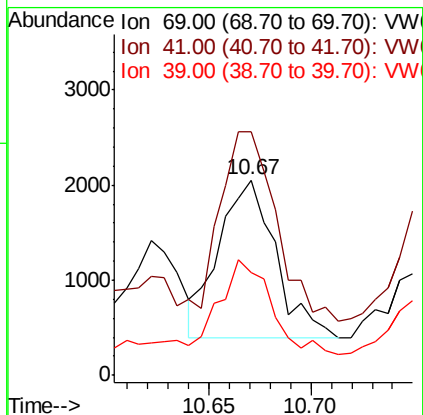
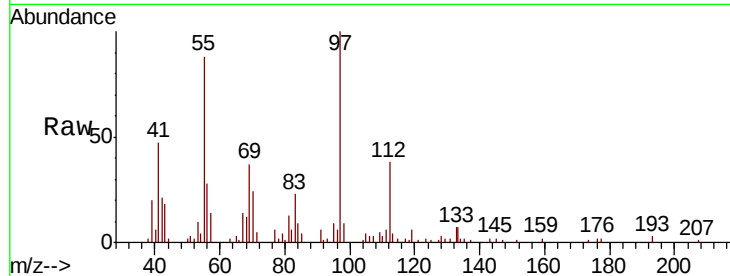
Tot Ion: 69 Resp: 3219

Ion Ratio Lower Upper

69 100

41 120.2 53.4 80.0#

39 73.3 28.2 42.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.879 ug/l

RT: 9.85 min Scan# 1303

Delta R.T. -0.08 min

Lab File: VW006989.D

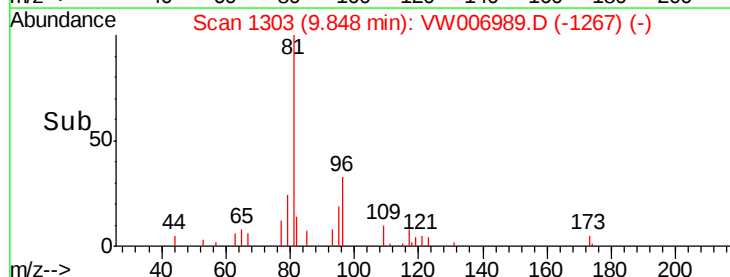
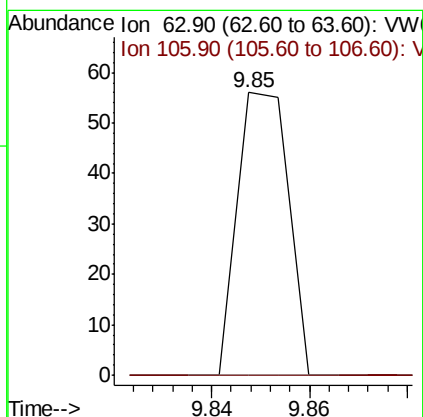
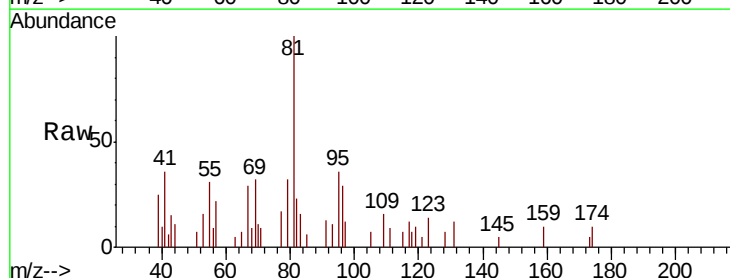
Acq: 20 Nov 2018 21:48

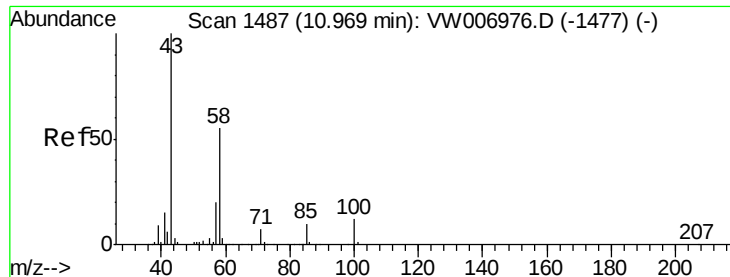
Tgt Ion: 63 Resp: 41

Ion Ratio Lower Upper

63 100

106 0.0 23.5 35.3#

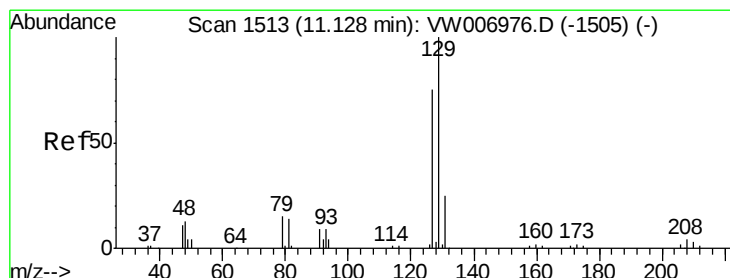
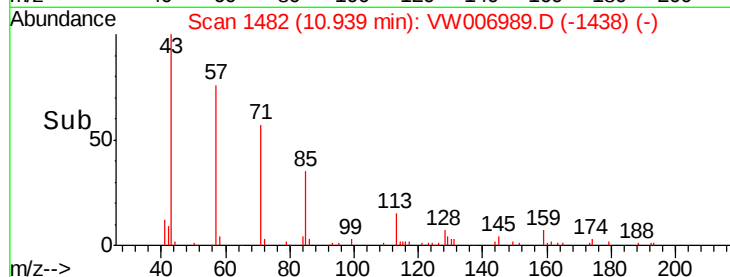
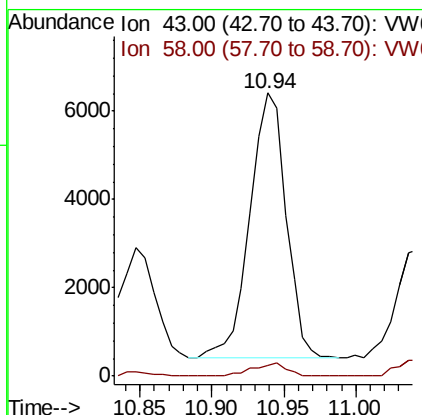
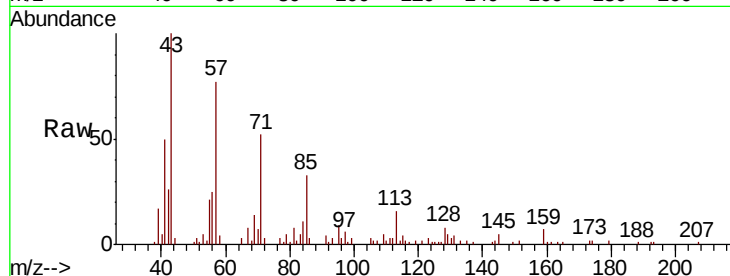




#59
2-Hexanone
Concen: 909.199 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

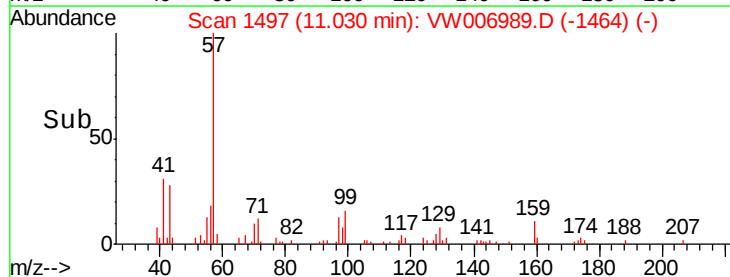
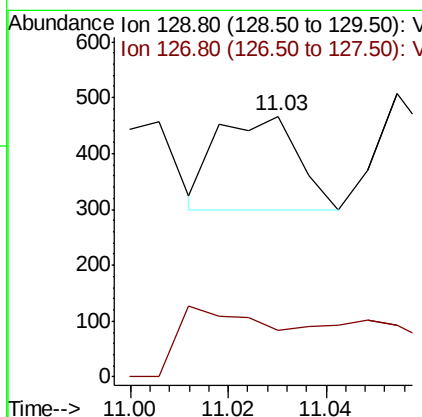
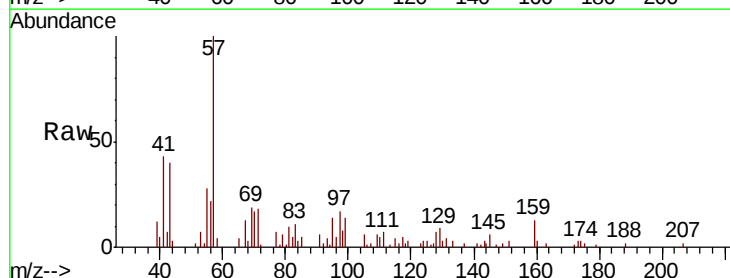
Instrument :
MSVOA_W
ClientSampleId :

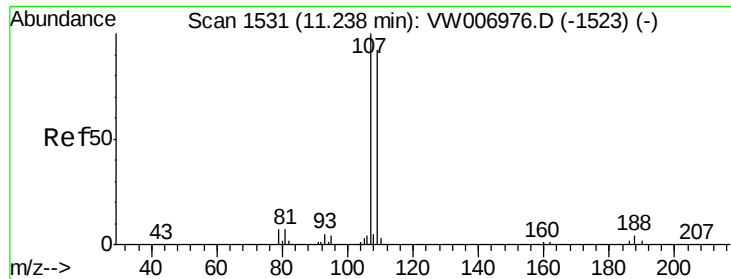
Tot Ion: 43 Resp: 10404
Ion Ratio Lower Upper
43 100
58 4.7 27.3 81.8#



#60
Dibromochloromethane
Concen: 7.140 ug/l
RT: 11.03 min Scan# 1497
Delta R.T. -0.10 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 129 Resp: 191
Ion Ratio Lower Upper
129 100
127 81.7 38.3 114.8

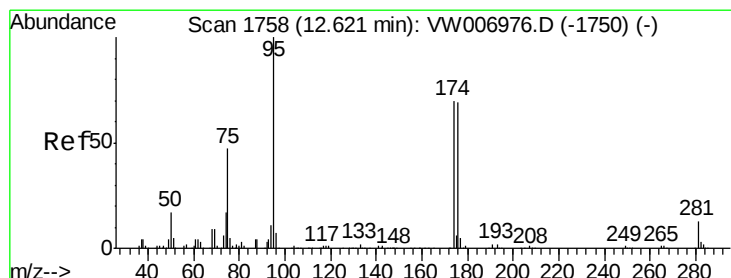
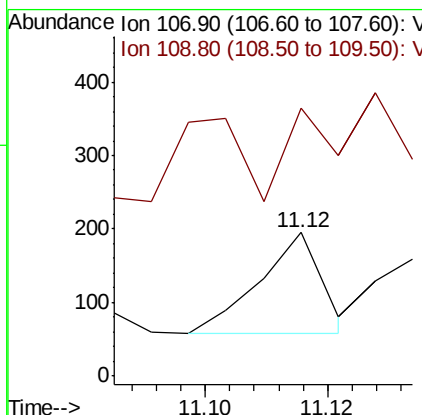
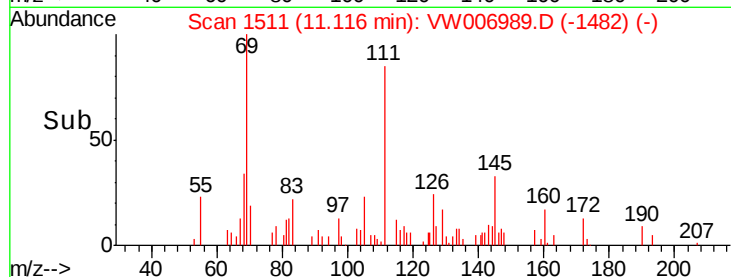
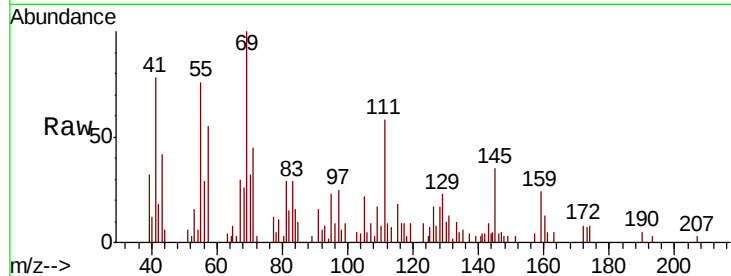




#61
 1,2-Dibromoethane
 Concen: 4.563 ug/l
 RT: 11.12 min Scan# 1511
 Delta R.T. -0.12 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

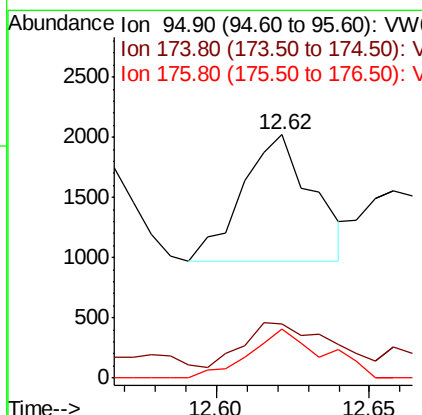
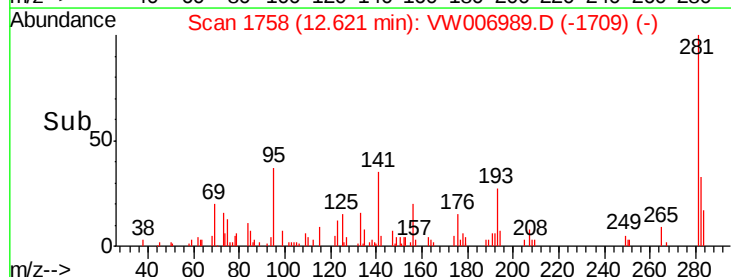
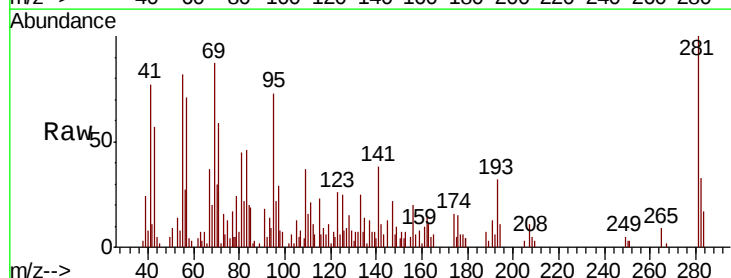
Instrument :
 MSVOA_W
 ClientSampleId :

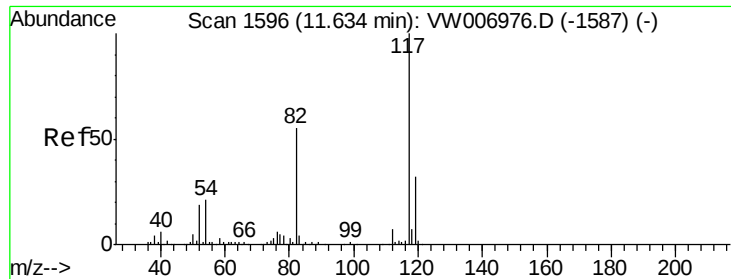
Tot Ion: 107 Resp: 98
 Ion Ratio Lower Upper
 107 100
 109 111.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 34.522 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

Tgt Ion: 95 Resp: 1660
 Ion Ratio Lower Upper
 95 100
 174 42.3 0.0 143.6
 176 40.7 0.0 140.4

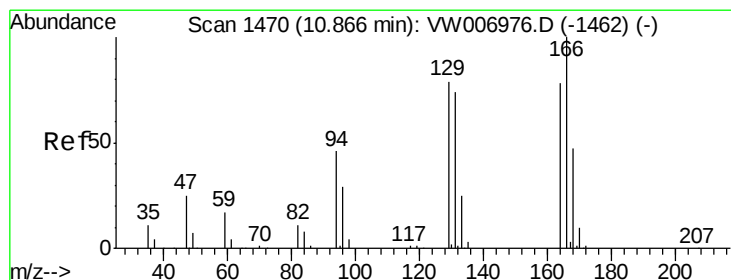
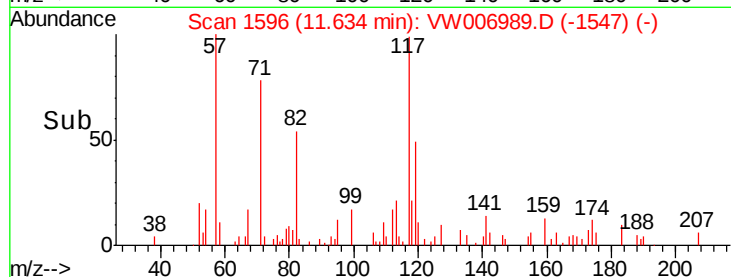
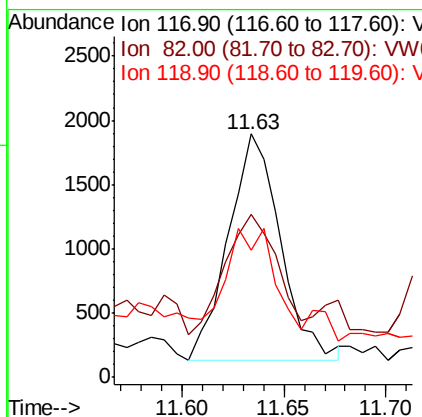
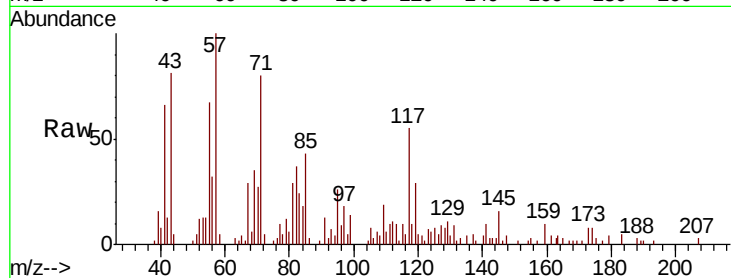




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

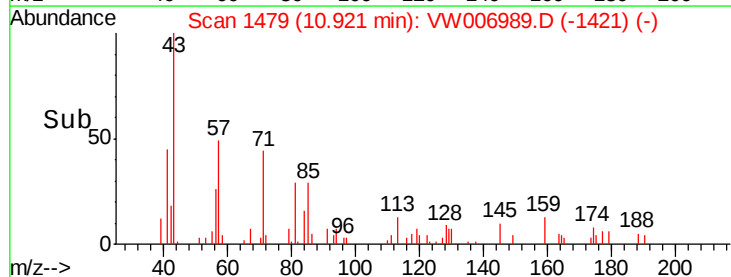
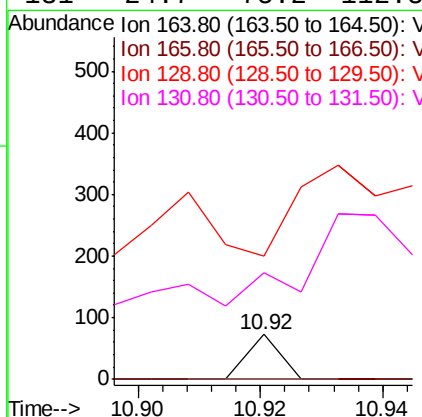
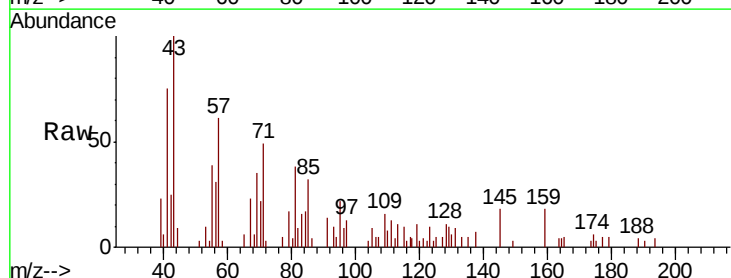
Instrument :
MSVOA_W
ClientSampleId :

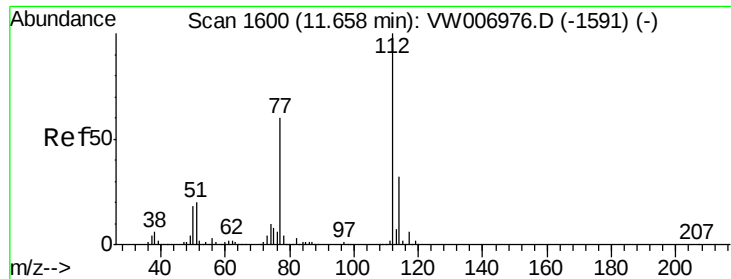
Tot Ion:117 Resp: 3139
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 40.2 25.9 38.9#



#64
Tetrachloroethene
Concen: 1.337 ug/l
RT: 10.92 min Scan# 1479
Delta R.T. 0.05 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion:164 Resp: 27
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 80.4 120.6#
131 24.7 75.2 112.8#

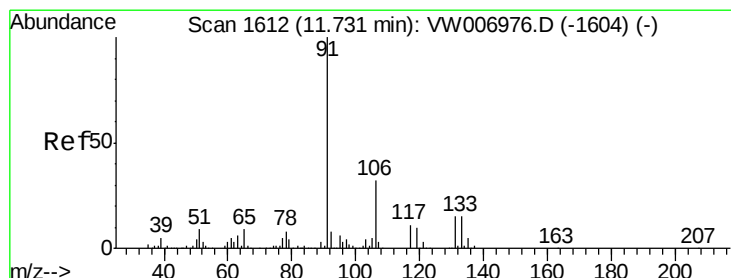
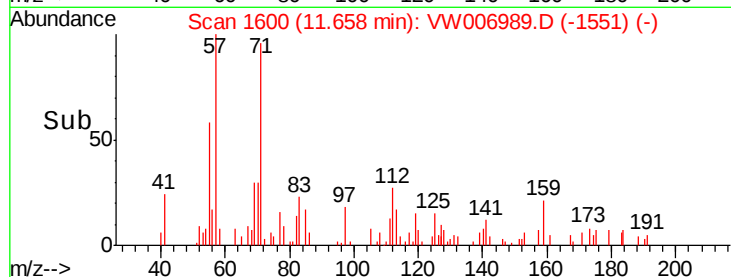
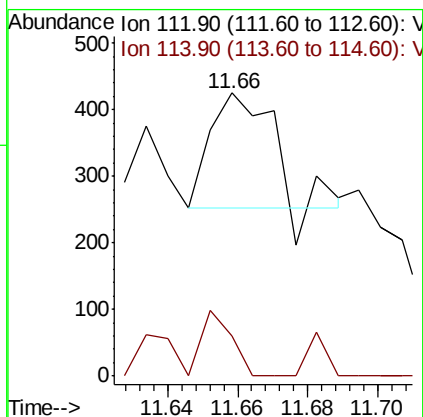
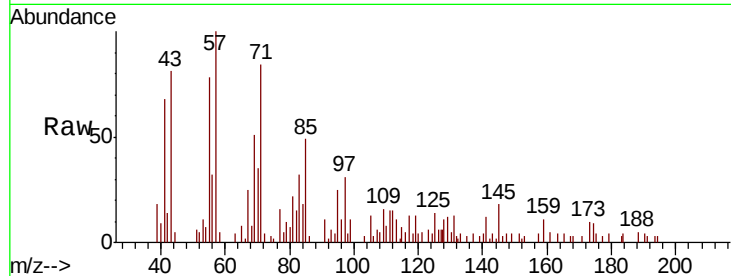




#65
Chlorobenzene
Concen: 3.221 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

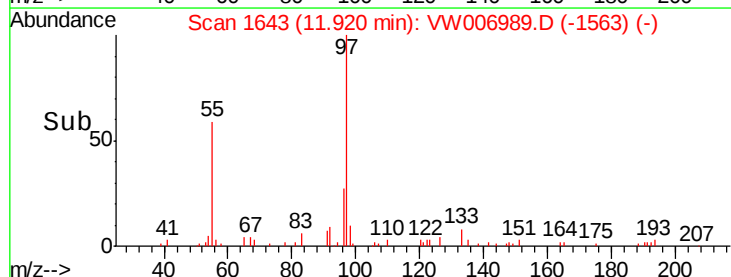
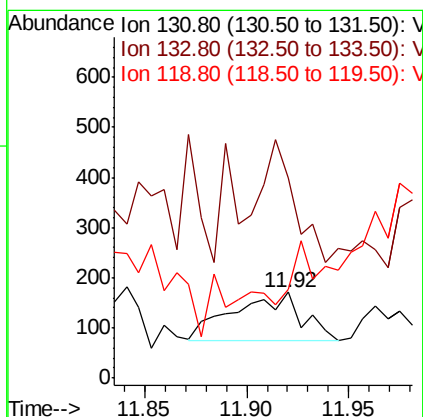
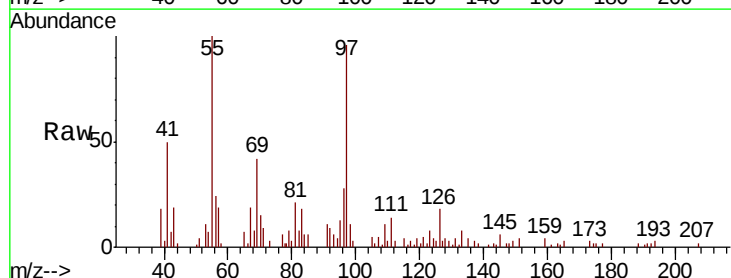
Instrument :
MSVOA_W
ClientSampleId :

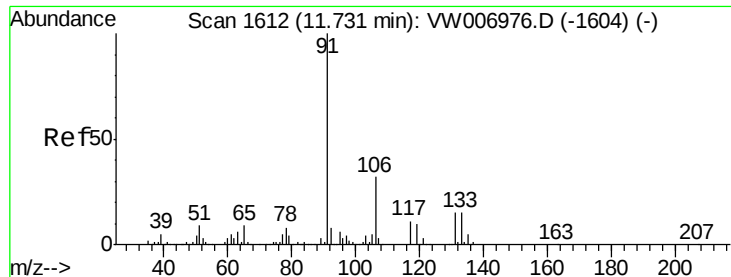
Tot Ion:112 Resp: 211
Ion Ratio Lower Upper
112 100
114 35.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 11.000 ug/l
RT: 11.92 min Scan# 1643
Delta R.T. 0.19 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion:131 Resp: 218
Ion Ratio Lower Upper
131 100
133 139.0 47.7 143.1
119 60.6 31.8 95.3

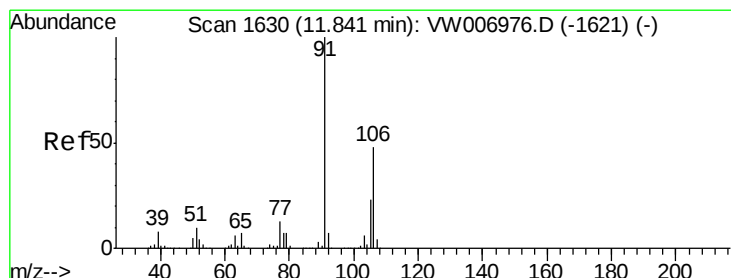
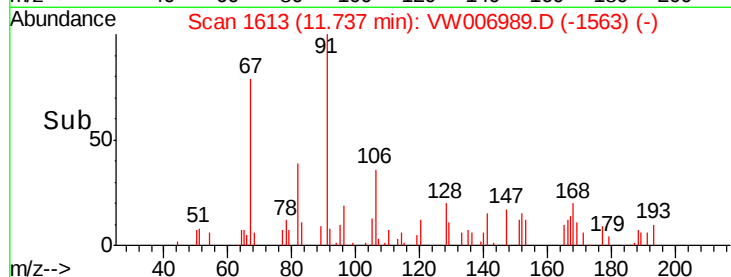
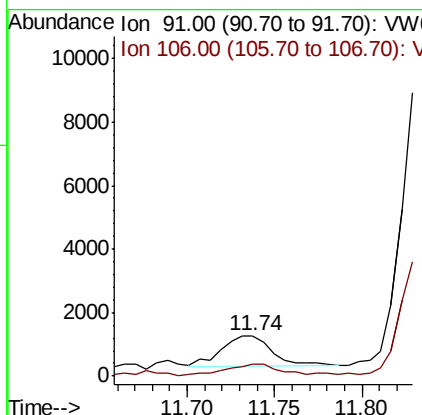
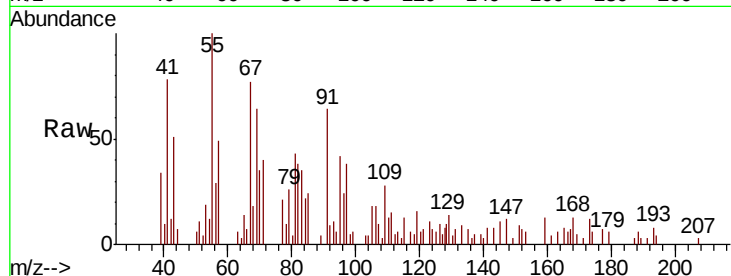




#67
Ethyl Benzene
Concen: 16.260 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

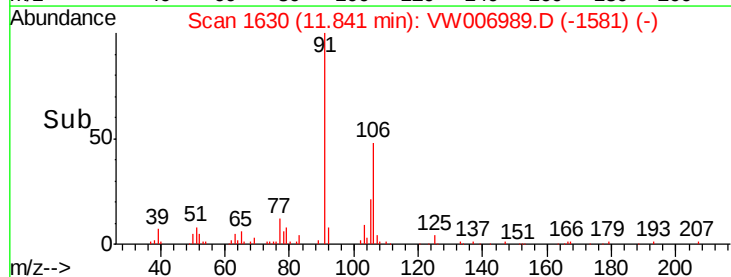
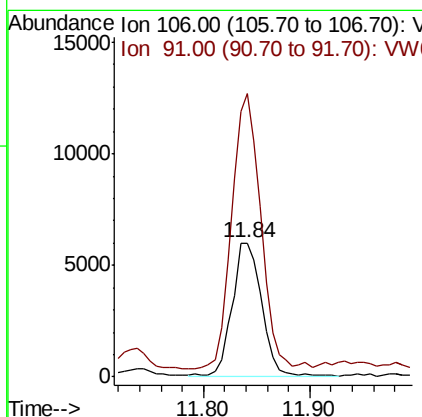
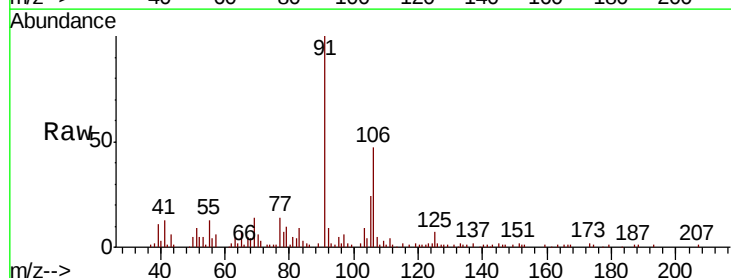
Instrument :
MSVOA_W
ClientSampled :

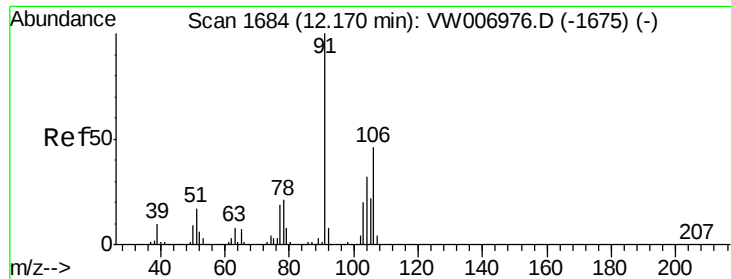
Tot Ion: 91 Resp: 1957
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 251.930 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 106 Resp: 11896
Ion Ratio Lower Upper
106 100
91 198.7 164.8 247.2

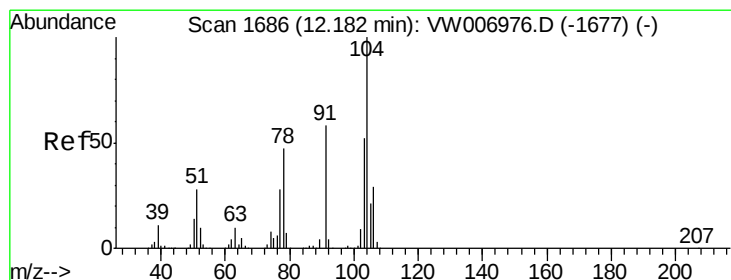
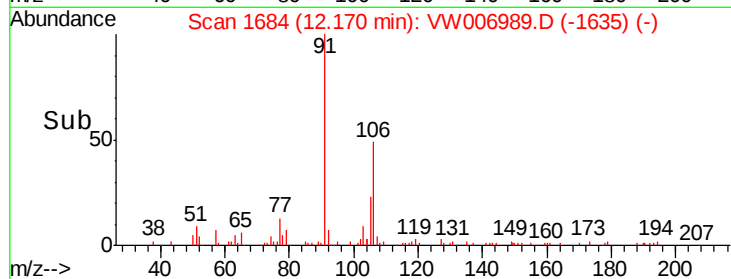
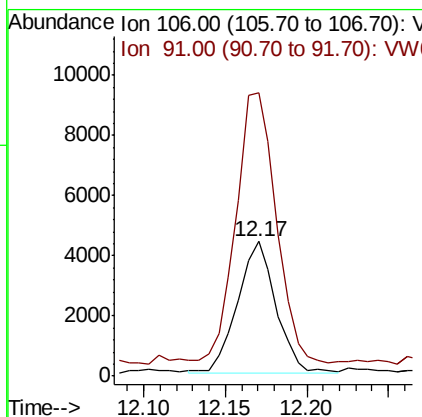
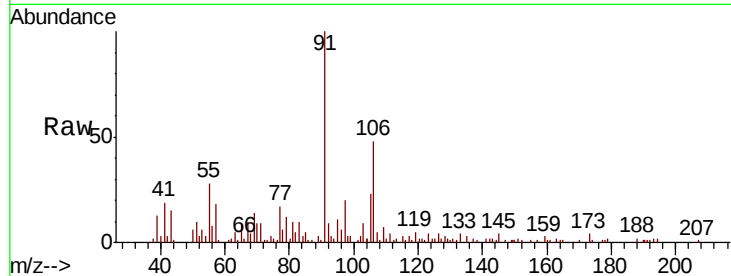




#69
o-Xylene
Concen: 163.305 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

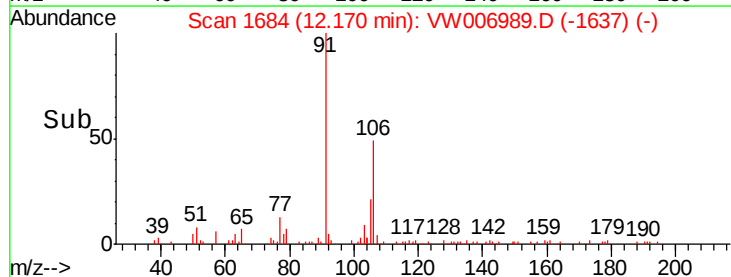
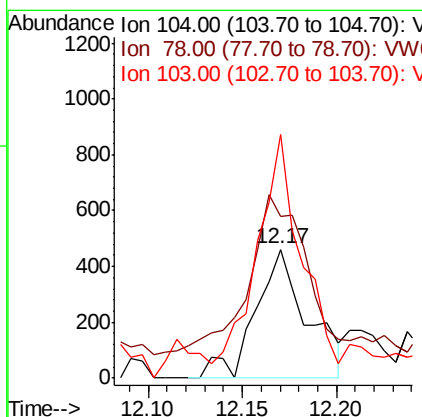
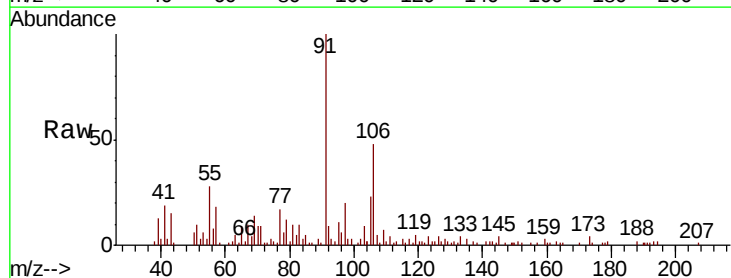
Instrument :
MSVOA_W
ClientSampled :

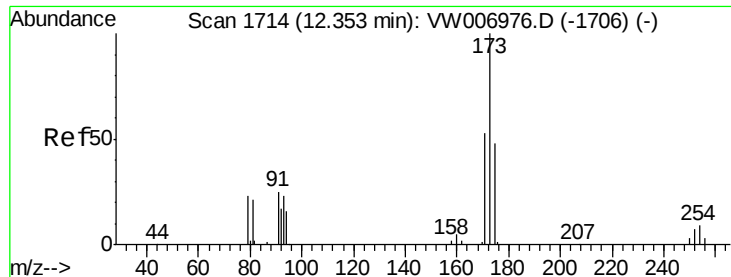
Tot Ion:106 Resp: 7271
Ion Ratio Lower Upper
106 100
91 212.6 107.9 323.8



#70
Styrene
Concen: 12.446 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion:104 Resp: 882
Ion Ratio Lower Upper
104 100
78 132.2 41.8 62.8#
103 144.6 44.4 66.6#





#71

Bromoform

Concen: 55.161 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

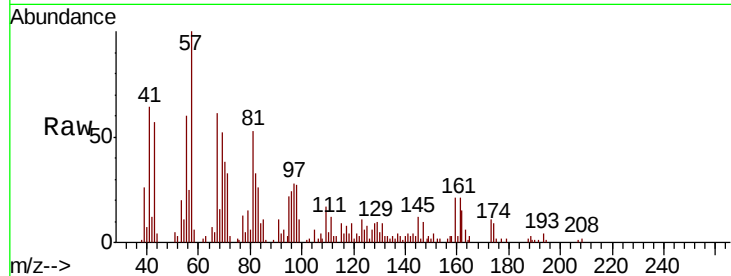
Tot Ion:173 Resp: 515

Ion Ratio Lower Upper

173 100

175 0.0 24.0 72.0#

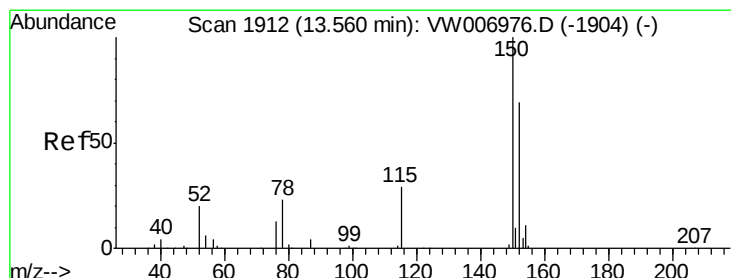
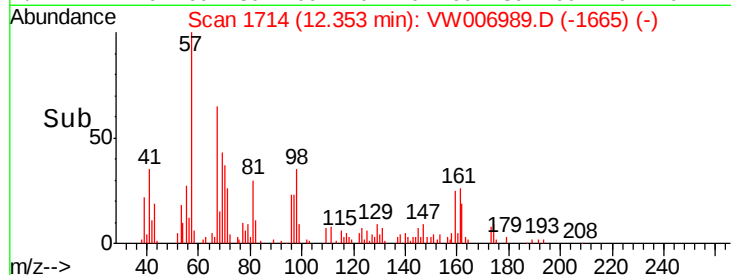
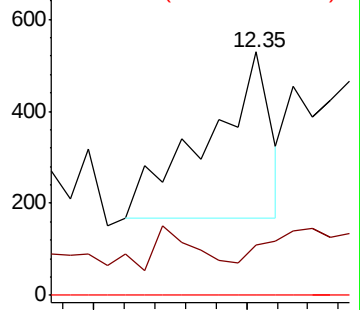
254 0.0 0.0 0.0



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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

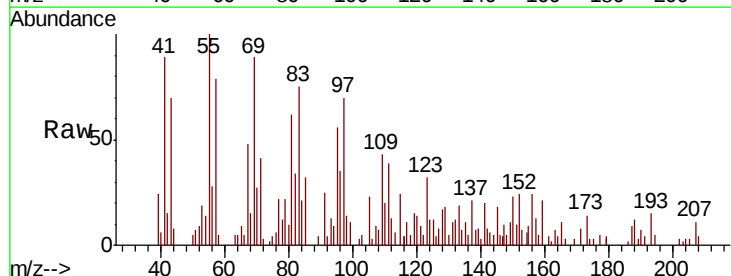
Tgt Ion:152 Resp: 529

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

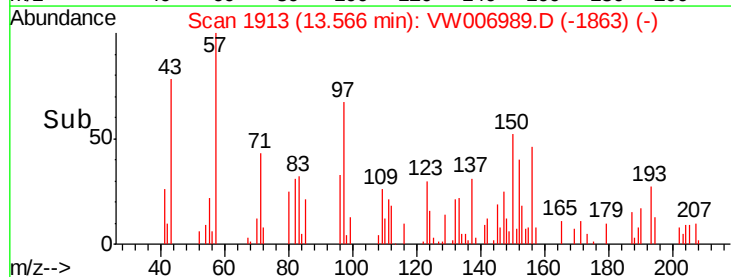
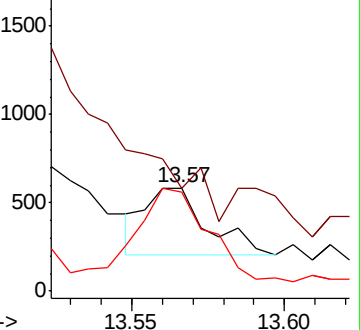
150 160.5 0.0 353.4

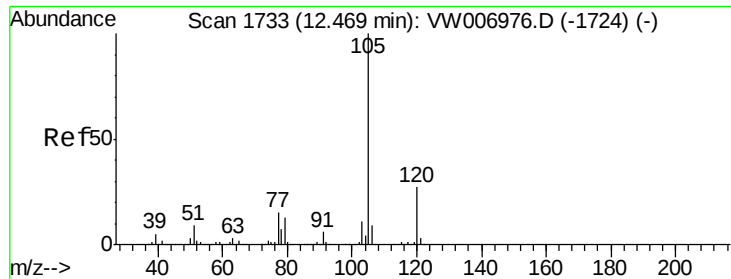


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.206 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

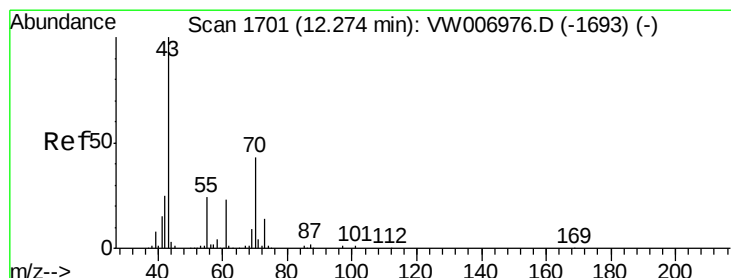
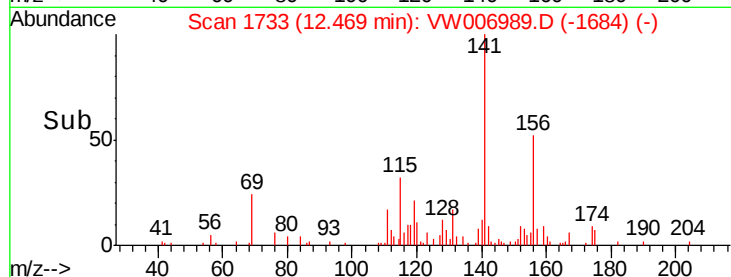
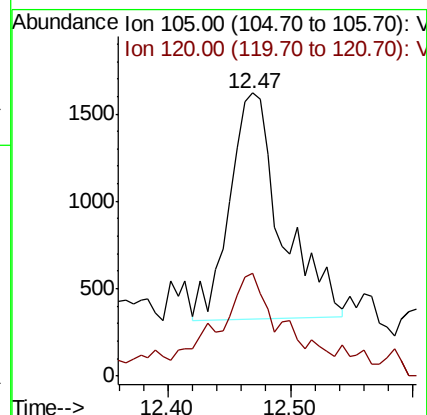
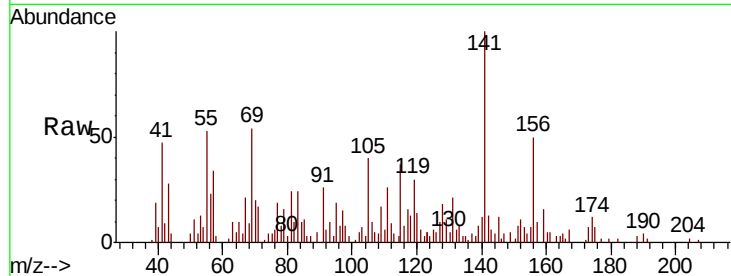
ClientSampled :

Tot Ion:105 Resp: 3832

Ion Ratio Lower Upper

105 100

120 37.5 13.3 39.8



#74

N-ethyl acetate

Concen: 866.407 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Tgt Ion: 43 Resp: 5970

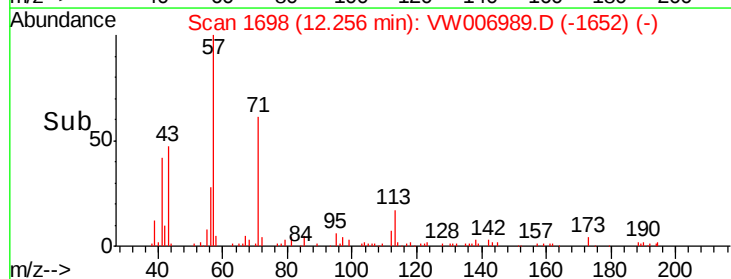
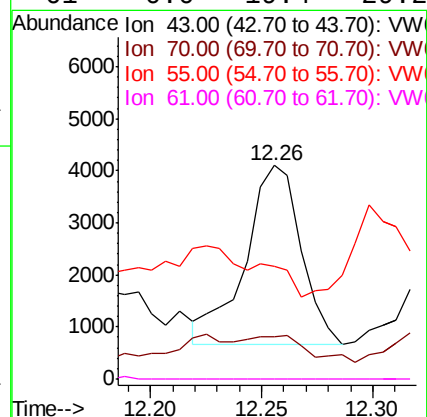
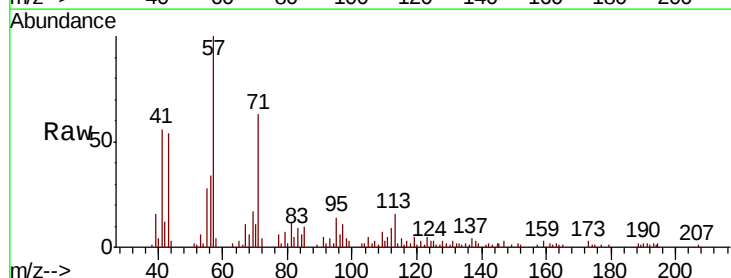
Ion Ratio Lower Upper

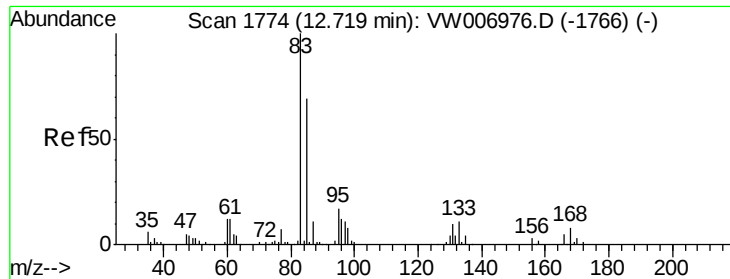
43 100

70 15.9 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 2081.889 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampleId :

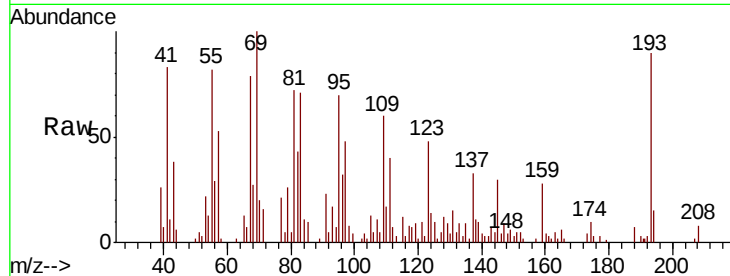
Tot Ion: 83 Resp: 11391

Ion Ratio Lower Upper

83 100

131 4.7 5.7 17.1#

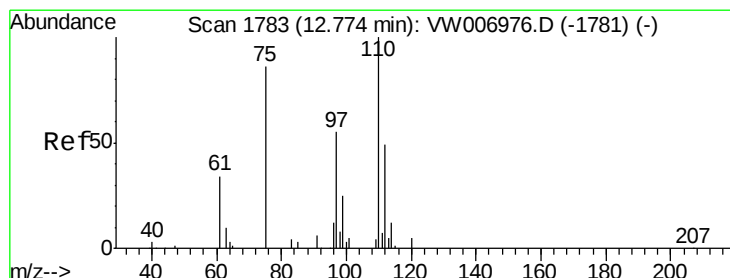
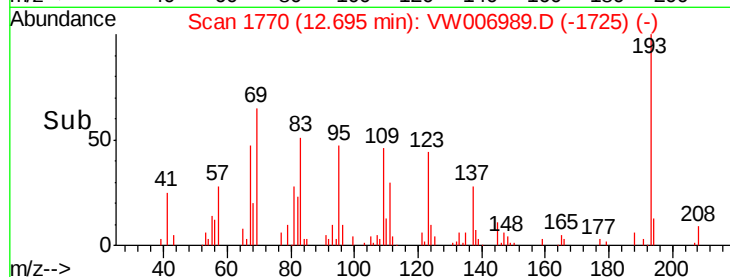
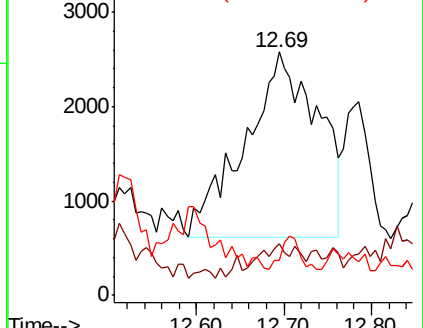
85 4.4 33.1 99.2#



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: 9.863 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW006989.D

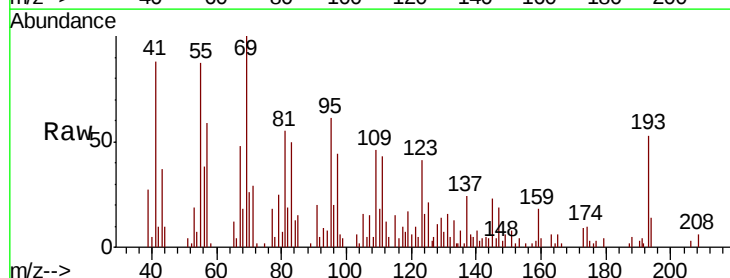
Acq: 20 Nov 2018 21:48

Tgt Ion: 75 Resp: 41

Ion Ratio Lower Upper

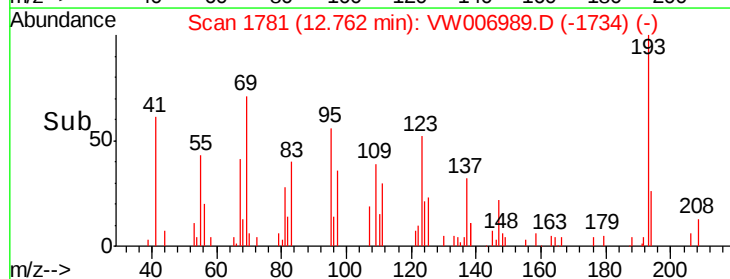
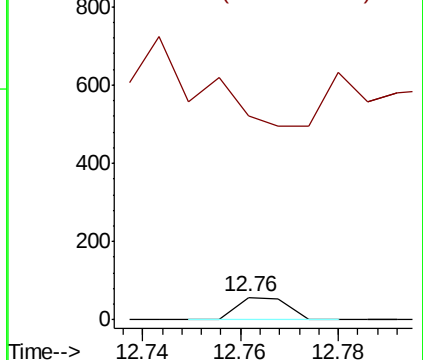
75 100

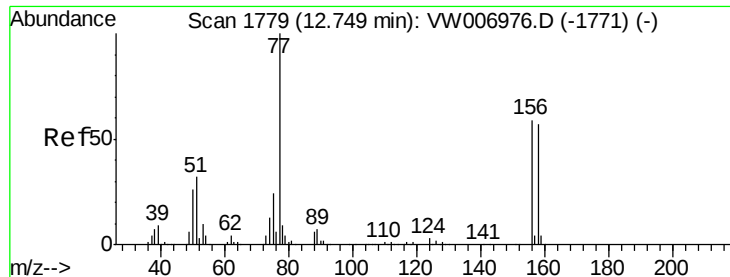
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 7219.169 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

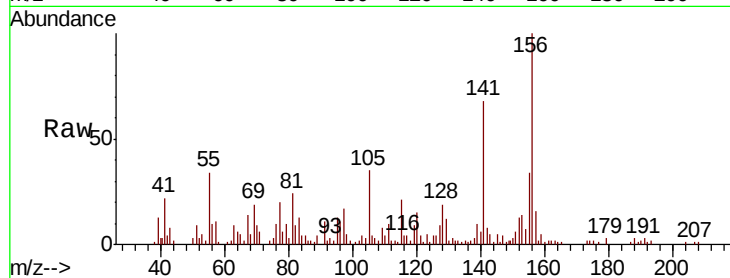
Tot Ion:156 Resp: 63748

Ion Ratio Lower Upper

156 100

77 0.0 94.6 283.8#

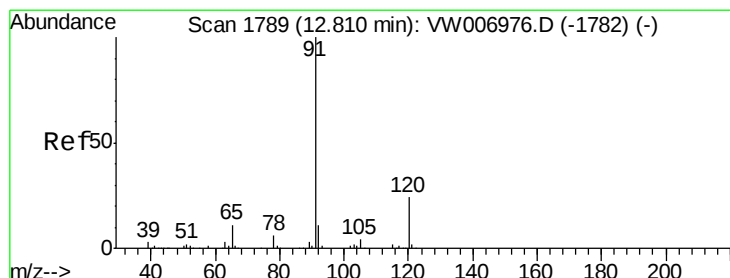
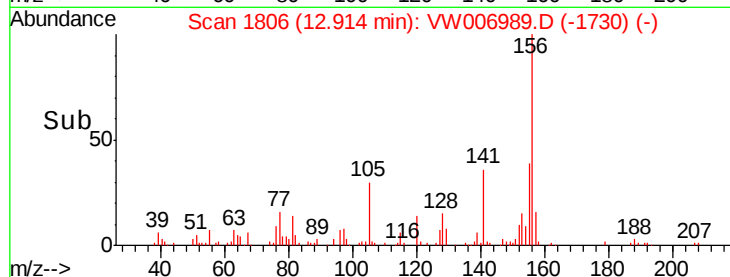
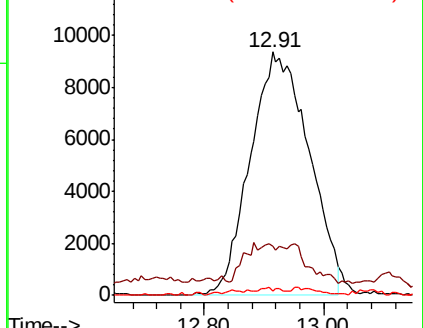
158 0.2 48.9 146.7#



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: 95.200 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW006989.D

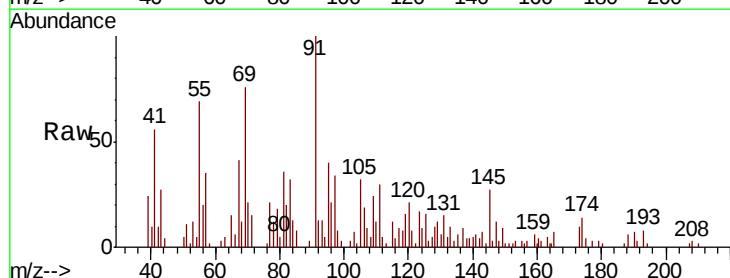
Acq: 20 Nov 2018 21:48

Tgt Ion: 91 Resp: 4741

Ion Ratio Lower Upper

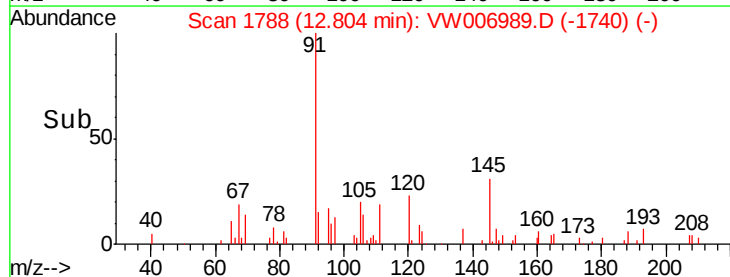
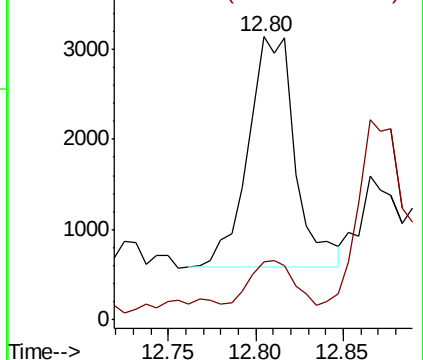
91 100

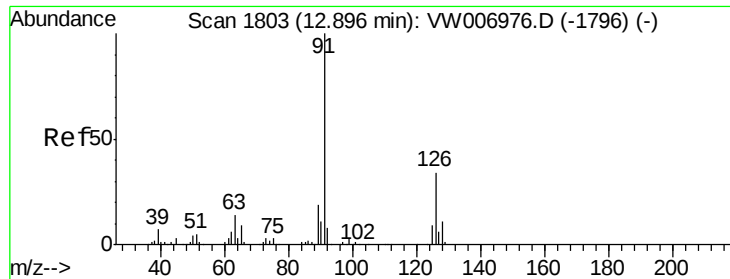
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

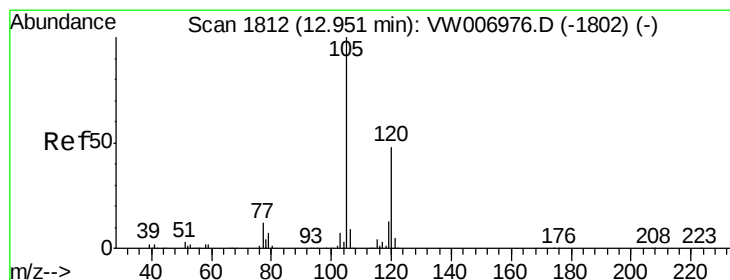
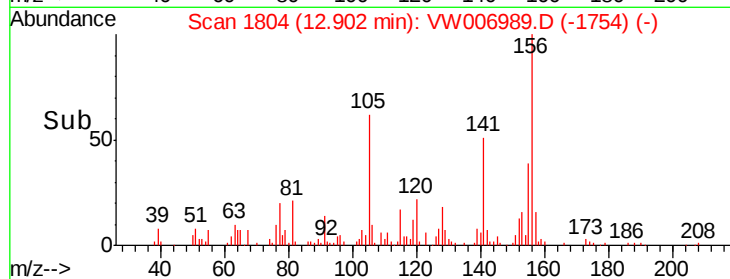
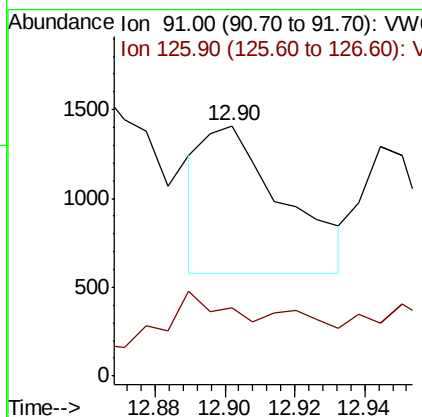
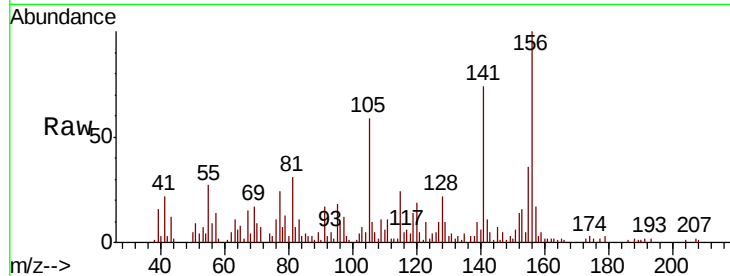




#79
2-Chlorotoluene
Concen: 45.970 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

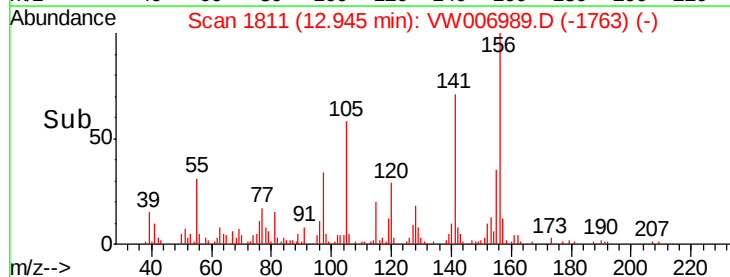
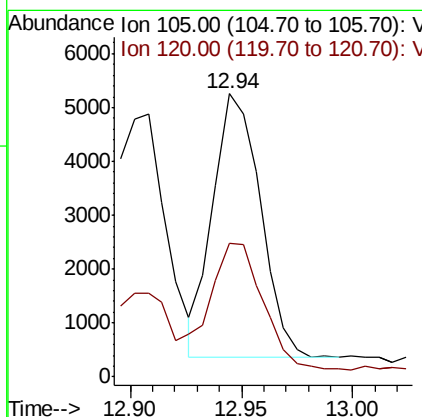
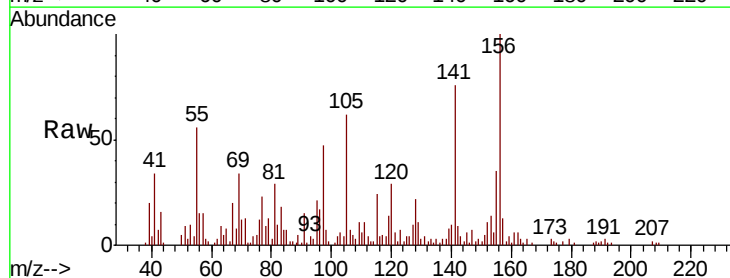
Instrument :
MSVOA_W
ClientSampleId :

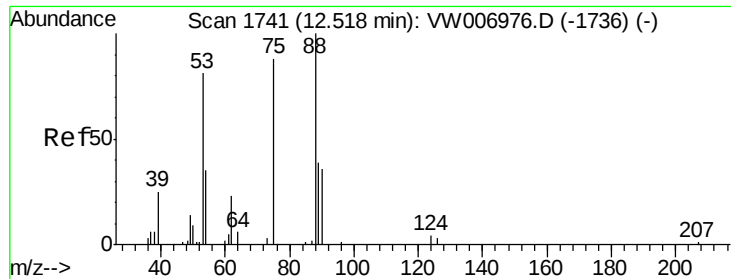
Tot Ion: 91 Resp: 1320
Ion Ratio Lower Upper
91 100
126 46.6 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 203.332 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 105 Resp: 7229
Ion Ratio Lower Upper
105 100
120 53.9 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 83.951 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

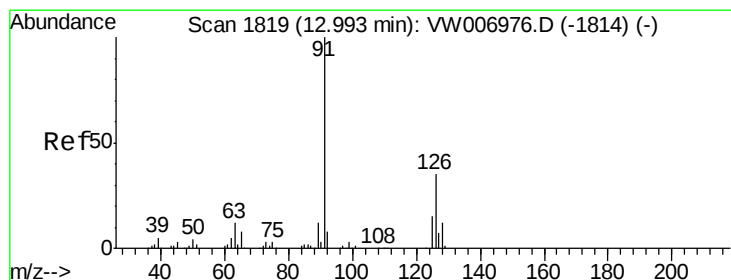
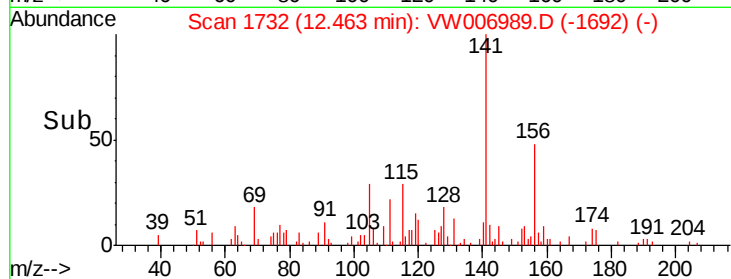
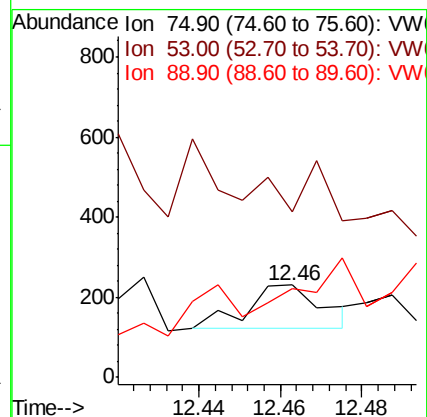
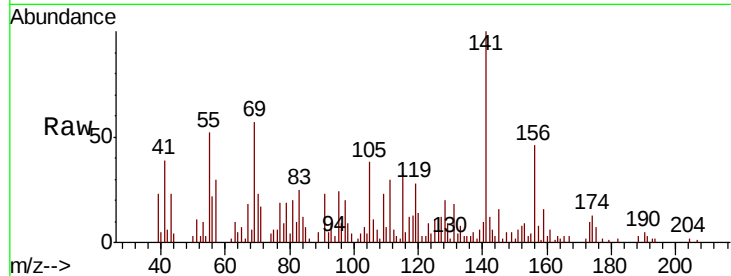
Tot Ion: 75 Resp: 139

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 62.6 39.3 58.9#



#82

4-Chlorotoluene

Concen: 37.666 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.26 min

Lab File: VW006989.D

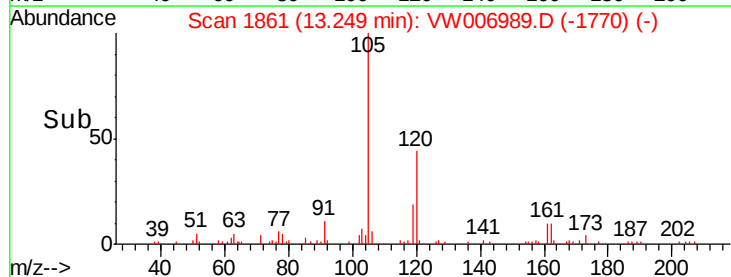
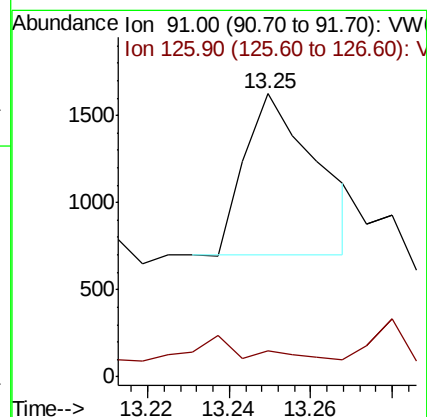
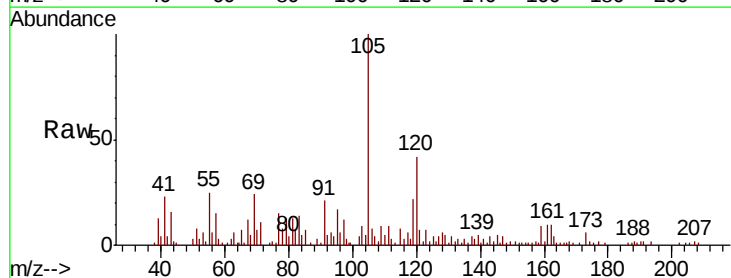
Acq: 20 Nov 2018 21:48

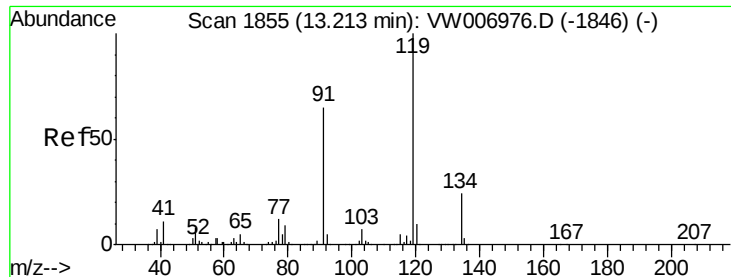
Tgt Ion: 91 Resp: 1135

Ion Ratio Lower Upper

91 100

126 44.2 16.6 49.7

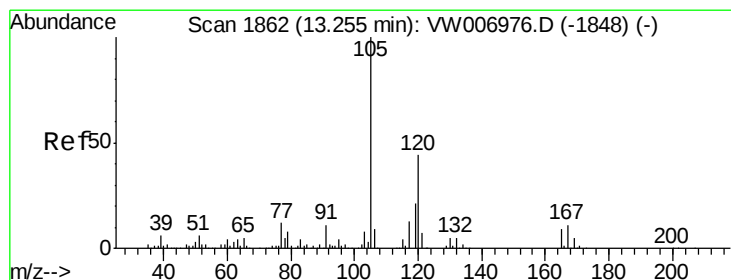
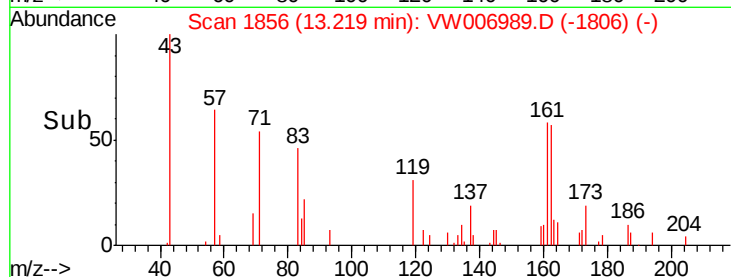
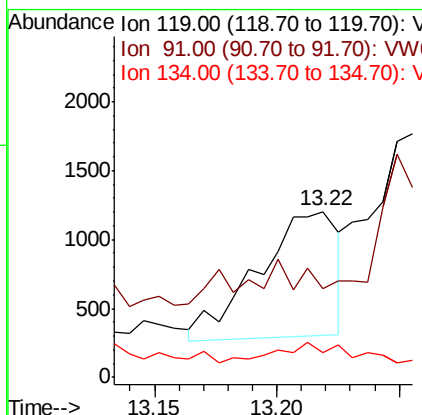
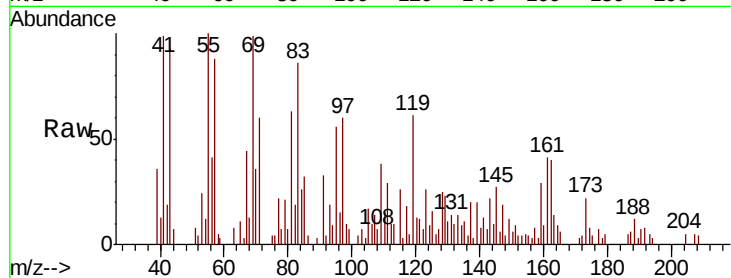




#83
tert-Butylbenzene
Concen: 66.763 ug/l
RT: 13.22 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

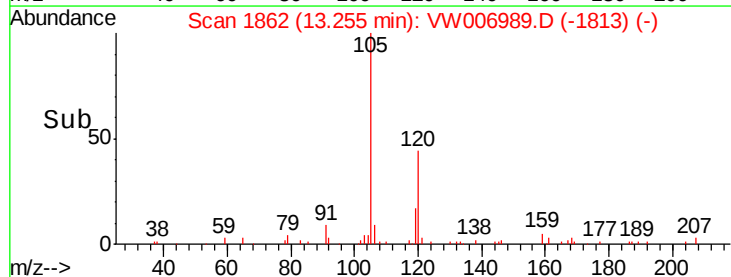
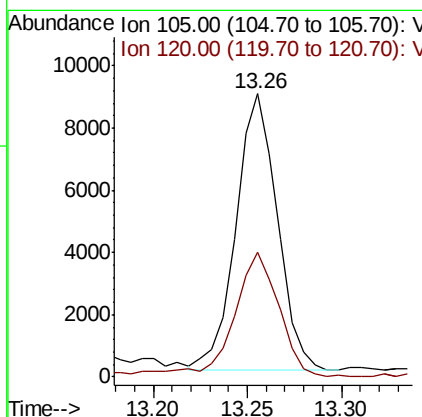
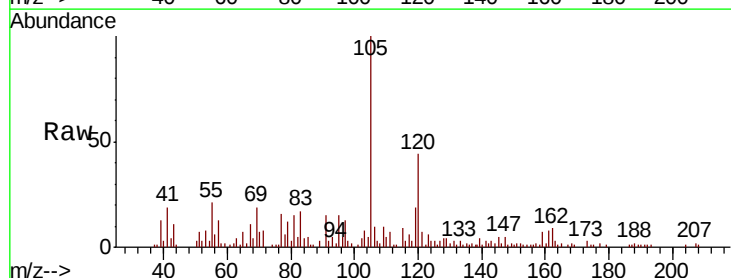
Instrument :
MSVOA_W
ClientSampled :

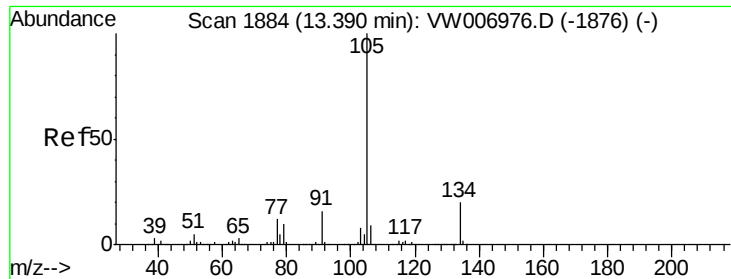
Tot Ion:119 Resp: 2055
Ion Ratio Lower Upper
119 100
91 8.4 33.5 100.5#
134 44.7 12.6 37.8#



#84
1,2,4-Trimethylbenzene
Concen: 380.420 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion:105 Resp: 13475
Ion Ratio Lower Upper
105 100
120 50.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 143.774 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.11 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

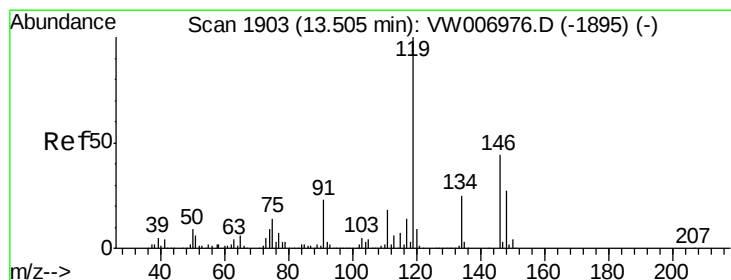
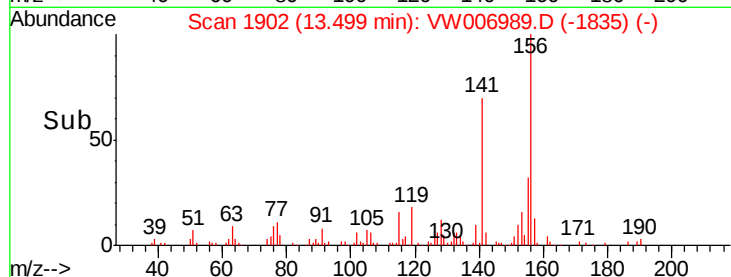
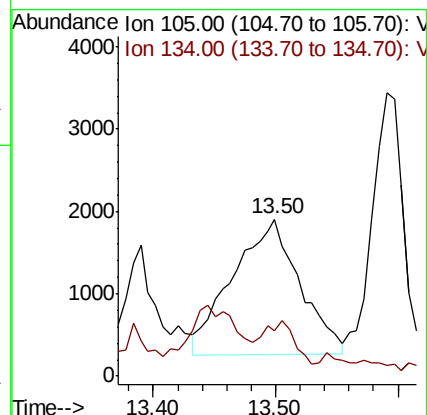
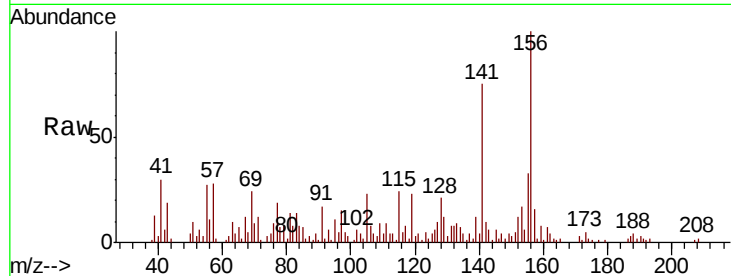
ClientSampleId :

Tot Ion:105 Resp: 6252

Ion Ratio Lower Upper

105 100

134 14.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 99.653 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

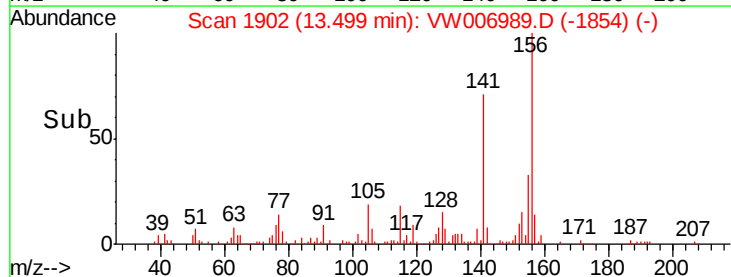
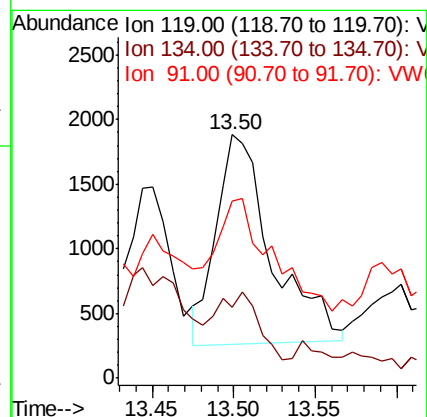
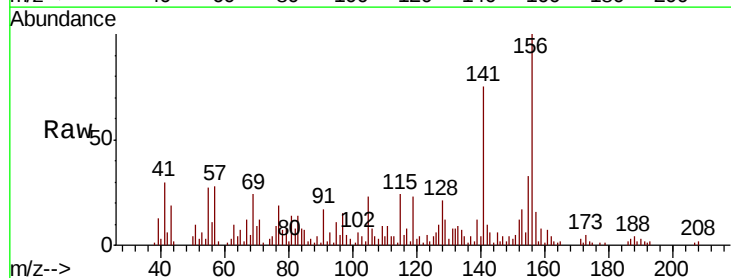
Tgt Ion:119 Resp: 3823

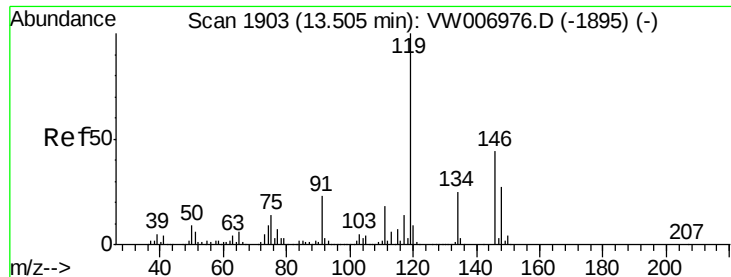
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

91 53.8 12.2 36.6#

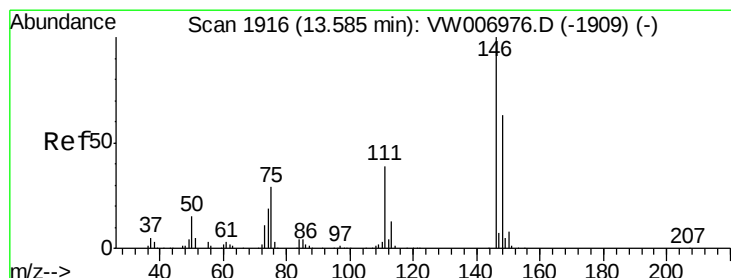
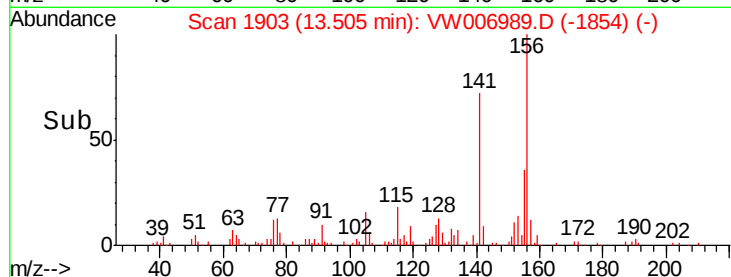
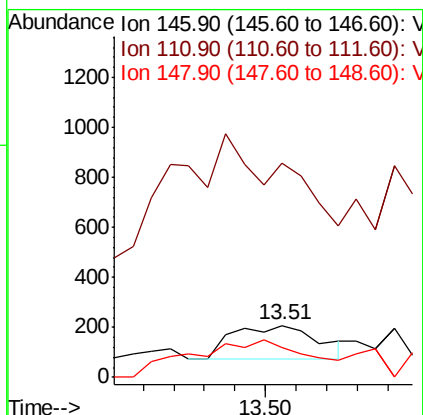
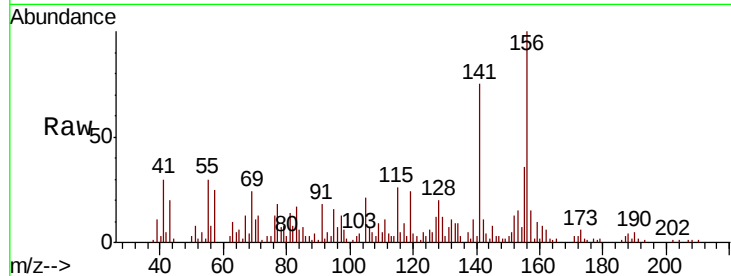




#87
 1,3-Dichlorobenzene
 Concen: 14.589 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

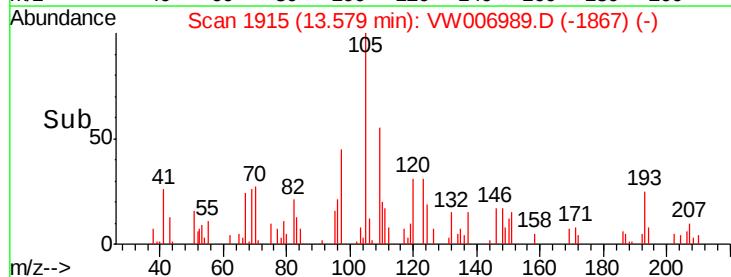
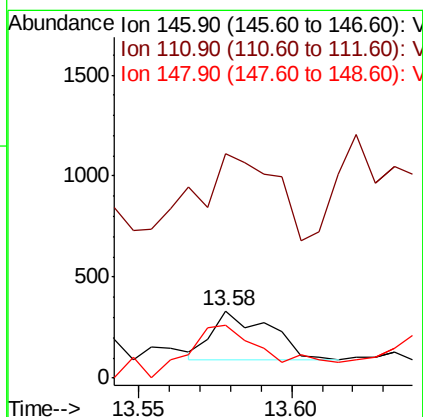
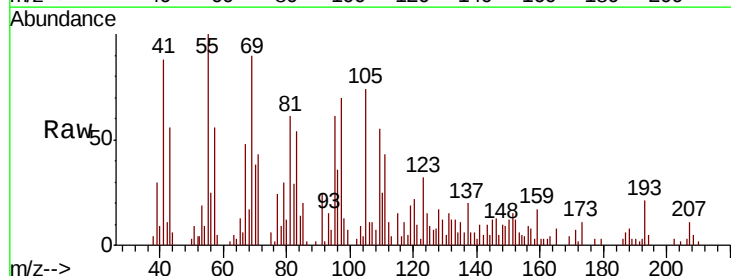
Instrument :
 MSVOA_W
 ClientSampled :

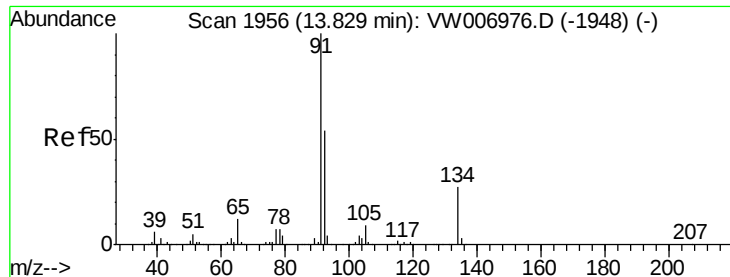
Tot Ion:146 Resp: 263
 Ion Ratio Lower Upper
 146 100
 111 491.6 21.1 63.3#
 148 151.3 31.6 94.8#



#88
 1,4-Dichlorobenzene
 Concen: 17.748 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW006989.D
 Acq: 20 Nov 2018 21:48

Tgt Ion:146 Resp: 319
 Ion Ratio Lower Upper
 146 100
 111 369.6 20.6 61.8#
 148 161.8 32.3 96.8#

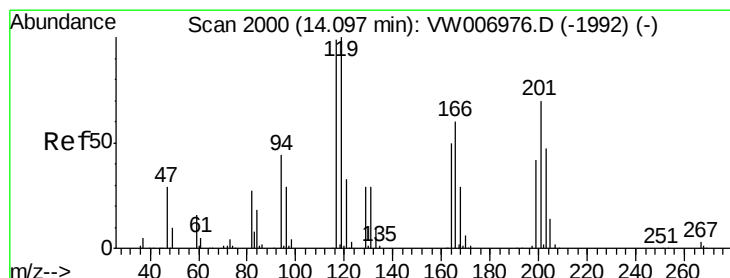
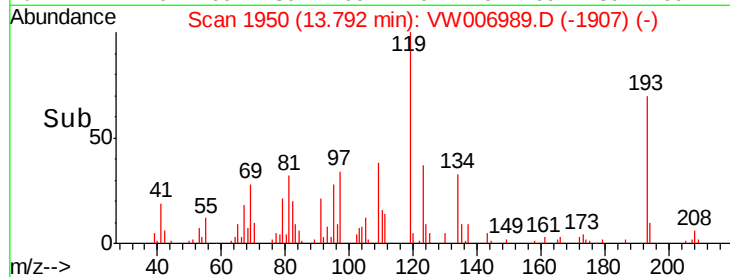
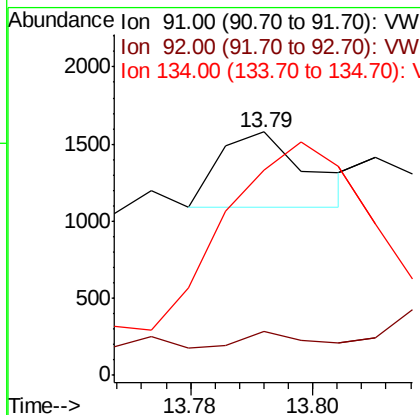
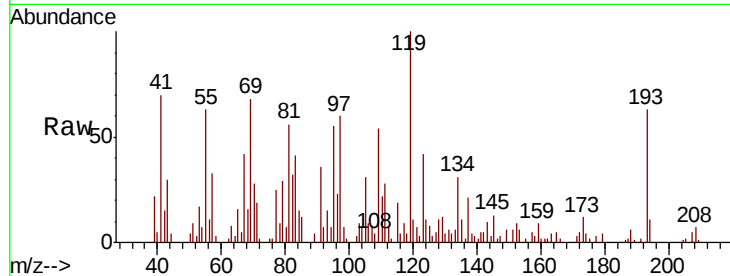




#89
n-Butylbenzene
Concen: 13.490 ug/l
RT: 13.79 min Scan# 1950
Delta R.T. -0.04 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

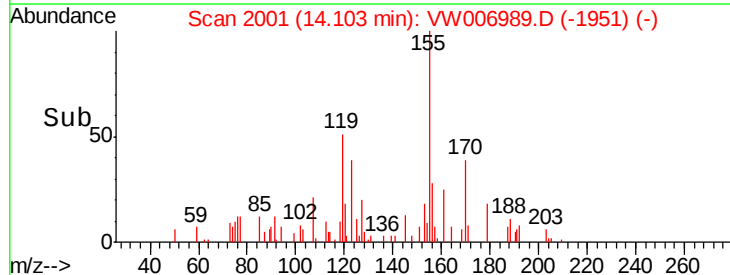
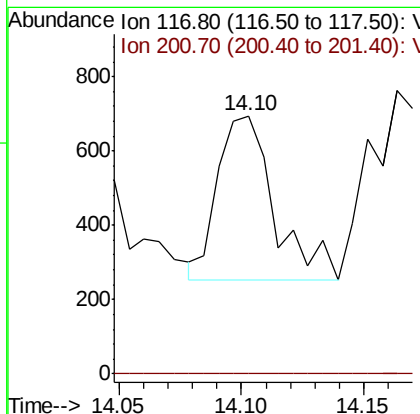
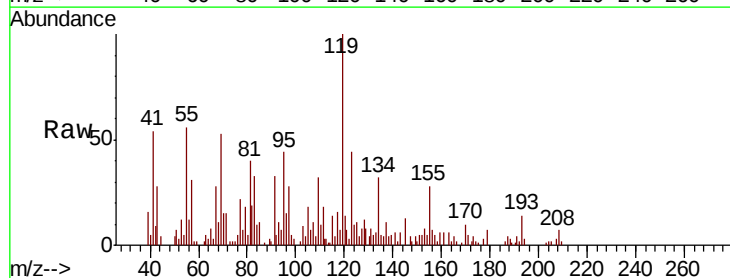
Instrument :
MSVOA_W
ClientSampleId :

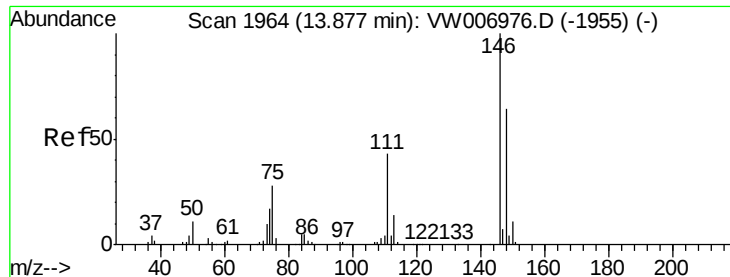
Tot Ion: 91 Resp: 487
Ion Ratio Lower Upper
91 100
92 31.8 26.8 80.4
134 614.0 13.3 39.8#



#90
Hexachloroethane
Concen: 127.838 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW006989.D
Acq: 20 Nov 2018 21:48

Tgt Ion: 117 Resp: 716
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.5#





#91

1,2-Dichlorobenzene

Concen: 23.423 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

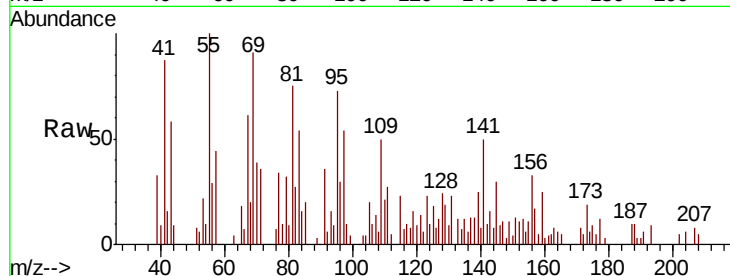
Tot Ion:146 Resp: 370

Ion Ratio Lower Upper

146 100

111 0.0 21.9 65.7#

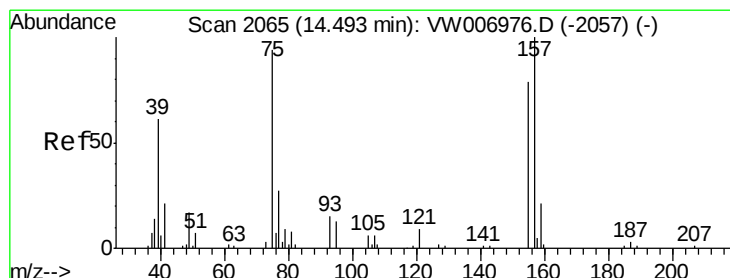
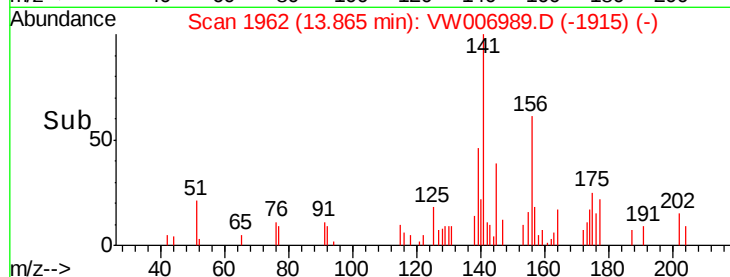
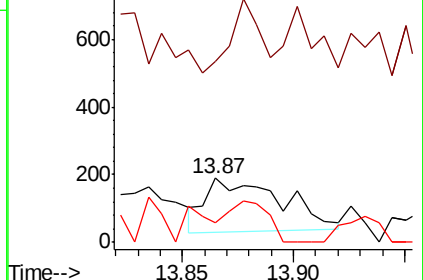
148 24.1 32.2 96.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 163.405 ug/l

RT: 14.69 min Scan# 2097

Delta R.T. 0.20 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

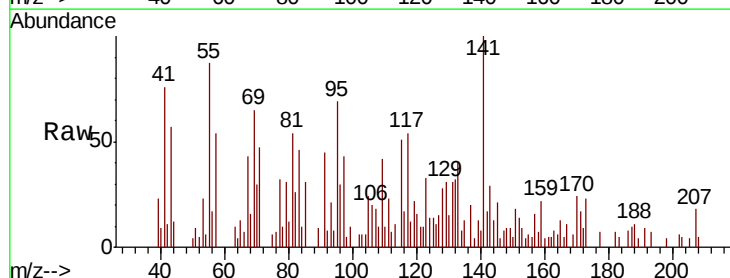
Tgt Ion: 75 Resp: 151

Ion Ratio Lower Upper

75 100

155 63.6 42.6 127.8

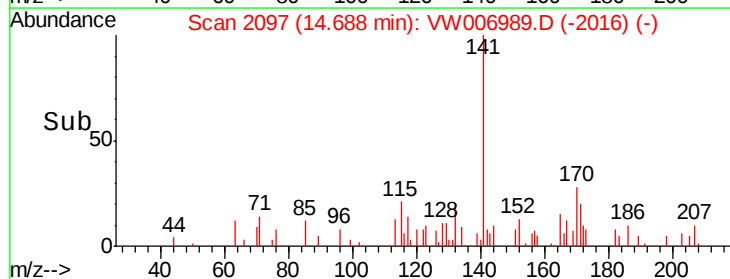
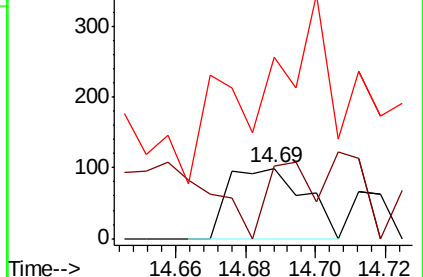
157 133.8 55.0 165.0

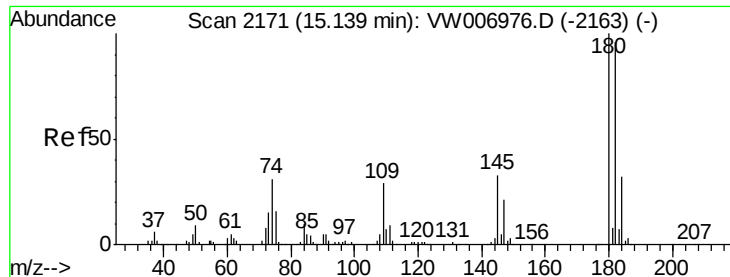


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 5.376 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

Instrument :

MSVOA_W

ClientSampled :

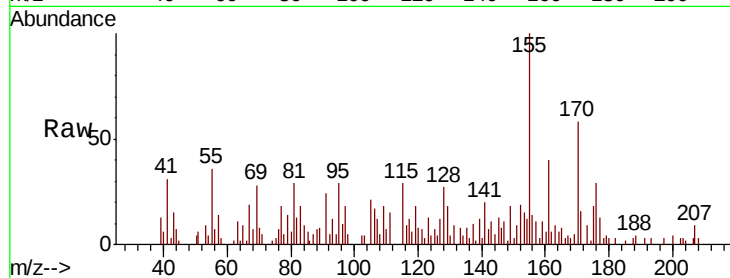
Tot Ion:180 Resp: 56

Ion Ratio Lower Upper

180 100

182 112.5 47.1 141.3

145 369.6 16.5 49.5#



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

600

400

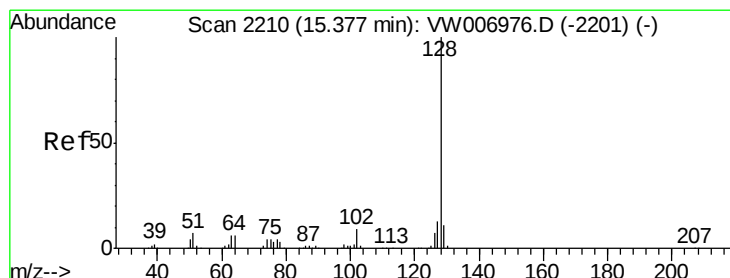
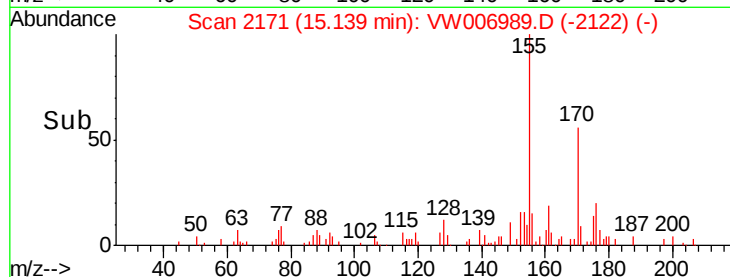
200

0

15.12

15.14

Time-->



#95

Naphthalene

Concen: 42.522 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006989.D

Acq: 20 Nov 2018 21:48

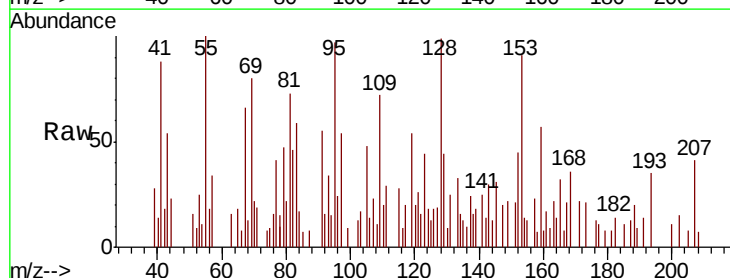
Tgt Ion:128 Resp: 804

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



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

1000

800

600

400

200

0

15.35

15.40

Time-->

