

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007030.D
 Acq On : 22 Nov 2018 06:17
 Operator : VAY/AP
 Sample : J5993-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 06:45:24 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	81622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	143985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	79357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46277	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
35) Dibromofluoromethane	7.88	113	38930	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.32	98	170128	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.62	95	46943	33.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.44%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.20	59	688	13.226	ug/l #	71
13) Acrolein	3.91	56	426	7.974	ug/l #	14
15) Acrylonitrile	5.44	53	6375	40.513	ug/l #	41
16) Acetone	4.14	43	48974	422.118	ug/l	96
17) Carbon Disulfide	4.39	76	46419	19.434	ug/l	100
18) Methyl Acetate	4.68	43	2214	5.359	ug/l	96
20) Methylene Chloride	4.92	84	9792	5.819	ug/l #	85
25) 2-Butanone	7.17	43	16715	84.118	ug/l #	83
29) Tetrahydrofuran	7.53	42	409	3.178	ug/l #	32
30) Chloroform	7.63	83	8679	5.630	ug/l #	18
31) Cyclohexane	7.95	56	124090	80.630	ug/l	94
36) 1,1-Dichloropropene	7.95	75	6634	4.715	ug/l #	71
37) Ethyl Acetate	7.17	43	16715	32.783	ug/l #	69
38) Carbon Tetrachloride	7.95	117	8668	6.433	ug/l #	17
39) Methylcyclohexane	9.34	83	594072	337.392	ug/l	94
40) Benzene	8.33	78	191330	50.376	ug/l	99
41) Methacrylonitrile	7.53	41	2880	9.095	ug/l #	49
43) Isopropyl Acetate	8.42	43	63932	65.798	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	6870	7.338	ug/l #	1
46) Dibromomethane	9.40	93	594	1.267	ug/l #	1
47) Bromodichloromethane	9.62	83	22142	17.924	ug/l #	28
48) Methyl methacrylate	9.47	41	15865	33.863	ug/l #	12
51) 4-Methyl-2-Pentanone	10.25	43	30393	61.897	ug/l #	79
52) Toluene	10.39	92	10825	4.188	ug/l	91
55) 1,1,2-Trichloroethane	10.76	97	163816	237.478	ug/l #	22
56) Ethyl methacrylate	10.67	69	63135	78.848	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.90	63	1046	2.500	ug/l #	45
59) 2-Hexanone	10.94	43	226390	673.279	ug/l #	29
65) Chlorobenzene	11.66	112	12683	7.657	ug/l	90
67) Ethyl Benzene	11.73	91	54487	17.907	ug/l	98
68) m/p-Xylenes	11.84	106	413341	346.254	ug/l	98
69) o-Xylene	12.17	106	253177	224.924	ug/l	96
70) Styrene	12.17	104	13162	7.347	ug/l #	1
73) Isopropylbenzene	12.47	105	57647	32.874	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

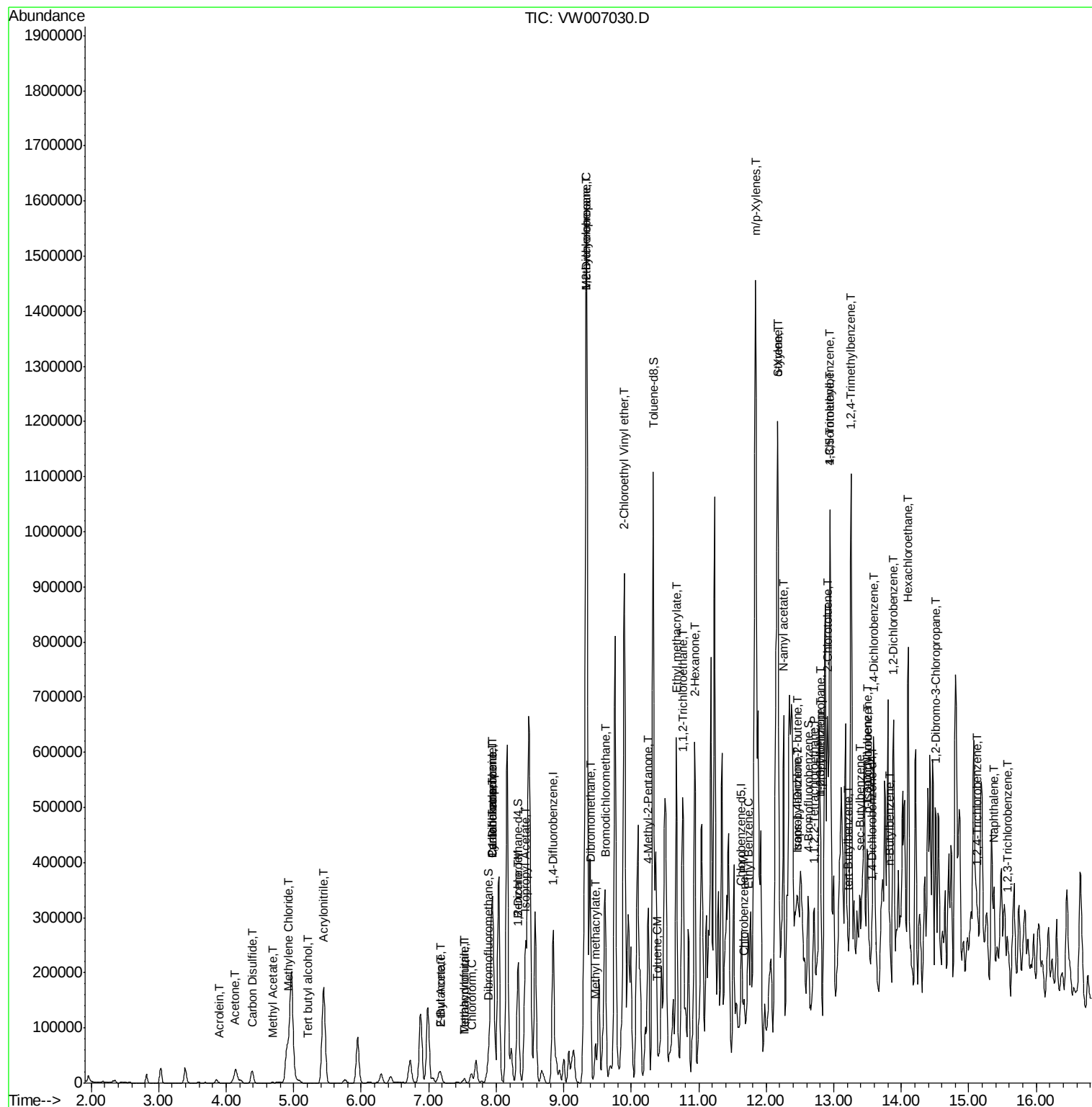
74) N-amyl acetate	12.26	43	122705	417.512	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.70	83	9857	42.238	ug/l #	75
76) 1,2,3-Trichloropropane	12.81	75	1212	6.836	ug/l #	100
78) n-propylbenzene	12.81	91	154639	72.802	ug/l	99
79) 2-Chlorotoluene	12.90	91	32298	26.371	ug/l #	59
80) 1,3,5-Trimethylbenzene	12.95	105	243733	160.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.46	75	910	12.886	ug/l #	1
82) 4-Chlorotoluene	12.94	91	25259	19.653	ug/l #	53
83) tert-Butylbenzene	13.21	119	5678	4.325	ug/l	78
84) 1,2,4-Trimethylbenzene	13.26	105	512120	338.973	ug/l	98
85) sec-Butylbenzene	13.39	105	55565	29.959	ug/l #	59
86) p-Isopropyltoluene	13.51	119	74885	45.766	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	3789	4.928	ug/l #	67
88) 1,4-Dichlorobenzene	13.58	146	23969	31.265	ug/l #	68
89) n-Butylbenzene	13.83	91	57099	37.081	ug/l #	74
90) Hexachloroethane	14.10	117	25424	106.427	ug/l #	14
91) 1,2-Dichlorobenzene	13.88	146	4257	6.318	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1065	27.021	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.13	180	468	1.053	ug/l #	1
95) Naphthalene	15.38	128	117588	145.808	ug/l	96
96) 1,2,3-Trichlorobenzene	15.58	180	805	2.184	ug/l #	13

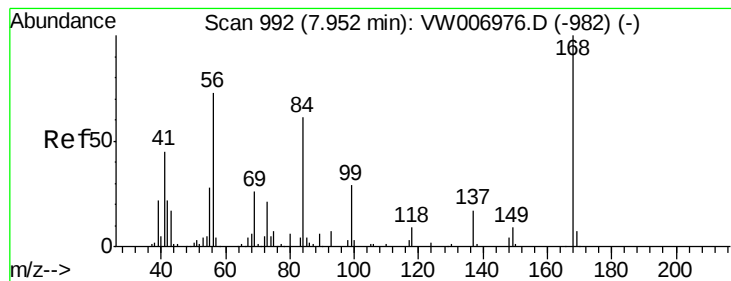
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

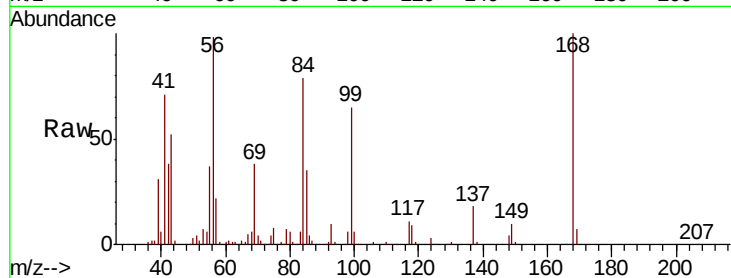
ClientSampled :

Tot Ion:168 Resp: 81622

Ion Ratio Lower Upper

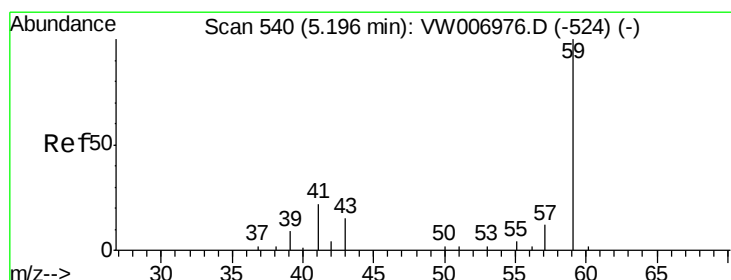
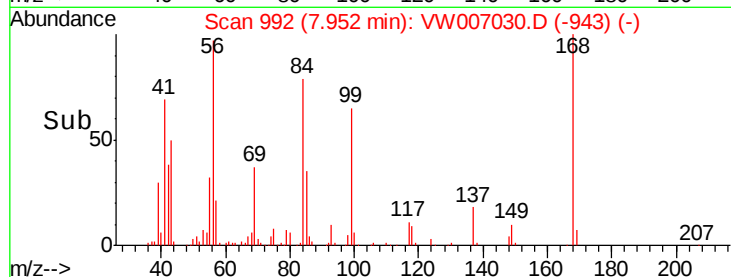
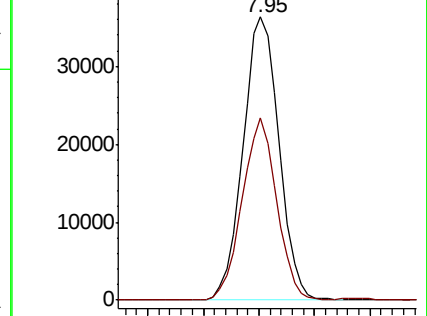
168 100

99 64.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 13.226 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW007030.D

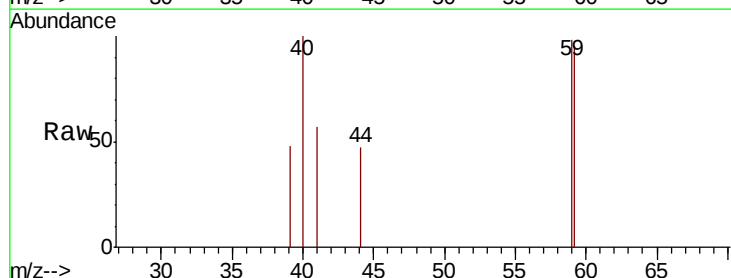
Acq: 22 Nov 2018 06:17

Tgt Ion: 59 Resp: 688

Ion Ratio Lower Upper

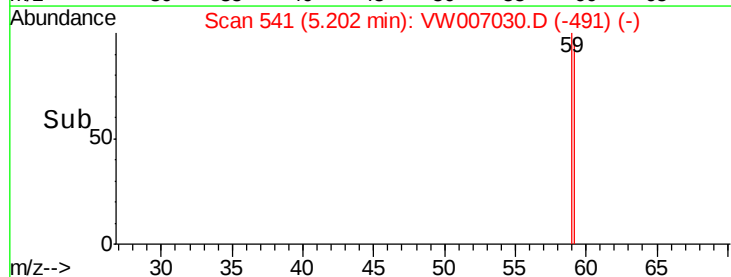
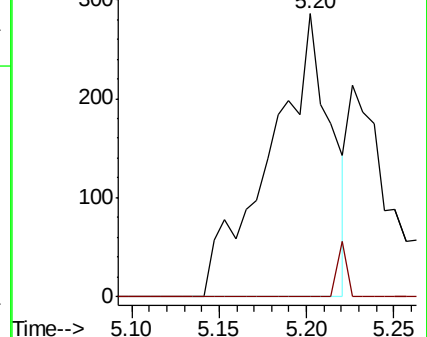
59 100

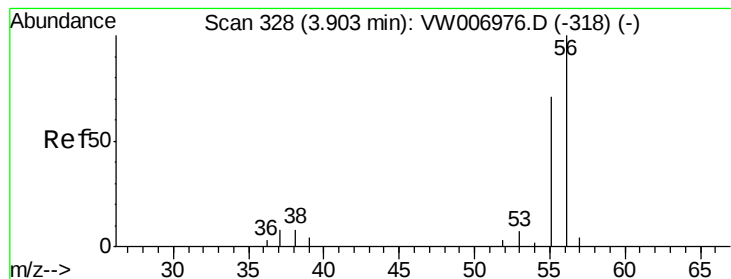
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 7.974 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

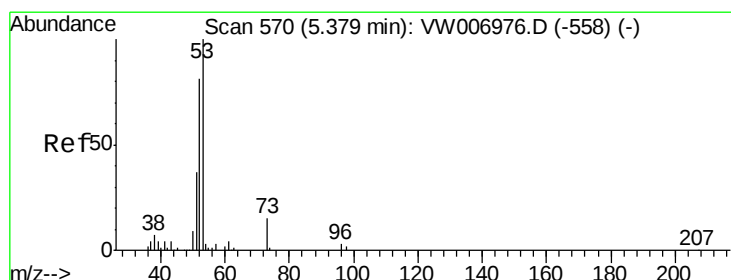
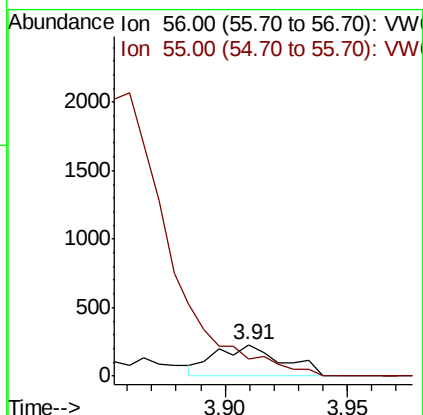
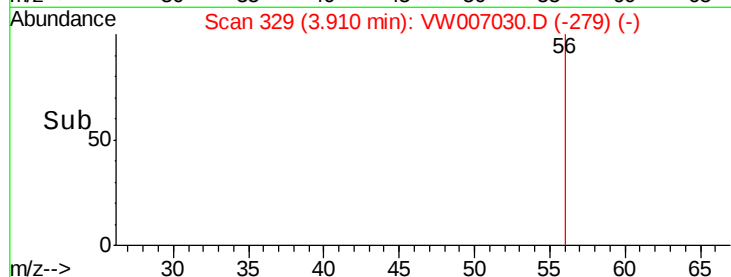
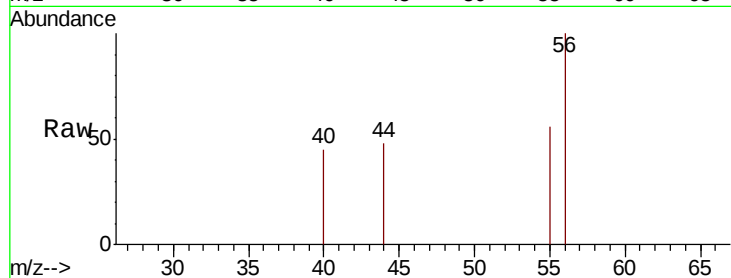
ClientSampleId :

Tot Ion: 56 Resp: 426

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#15

Acrylonitrile

Concen: 40.513 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

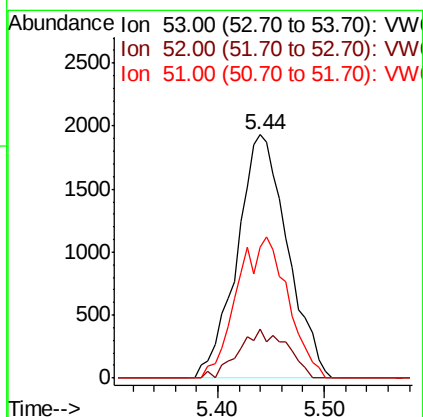
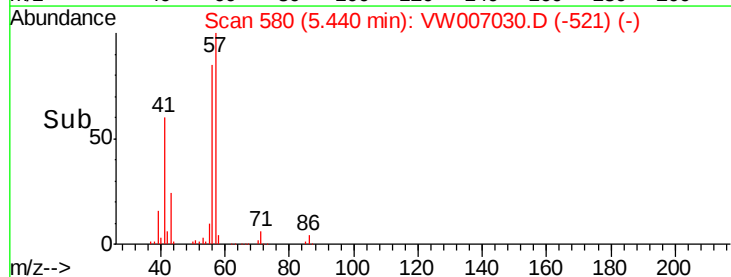
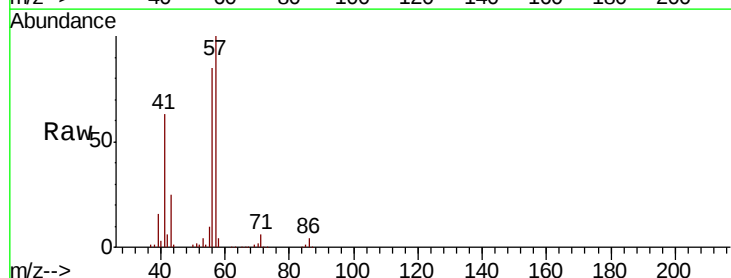
Tgt Ion: 53 Resp: 6375

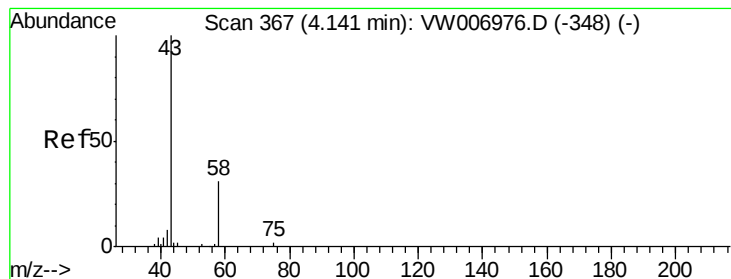
Ion Ratio Lower Upper

53 100

52 19.1 65.7 98.5#

51 58.7 29.9 44.9#





#16

Acetone

Concen: 422.118 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

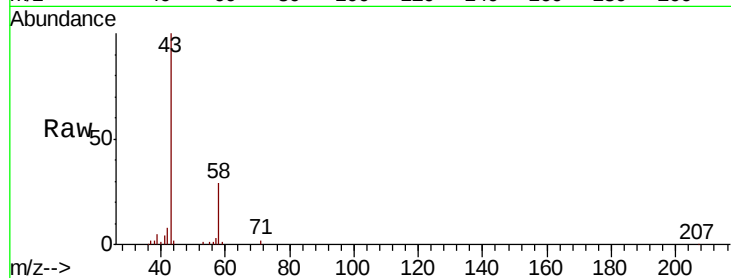
ClientSampled :

Tot Ion: 43 Resp: 48974

Ion Ratio Lower Upper

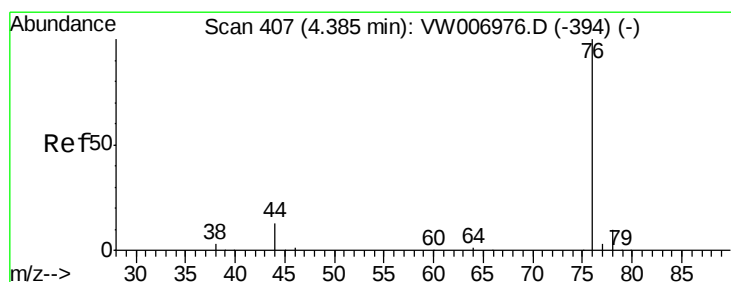
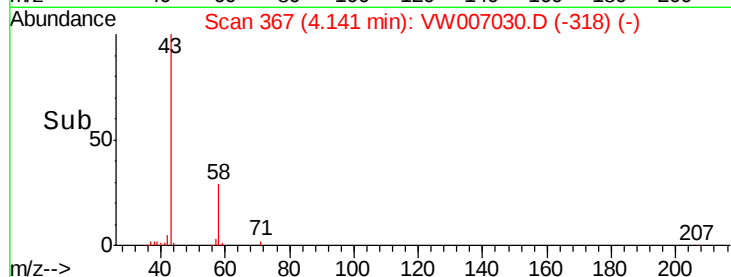
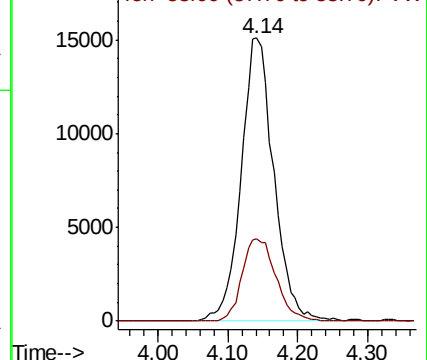
43 100

58 29.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 19.434 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007030.D

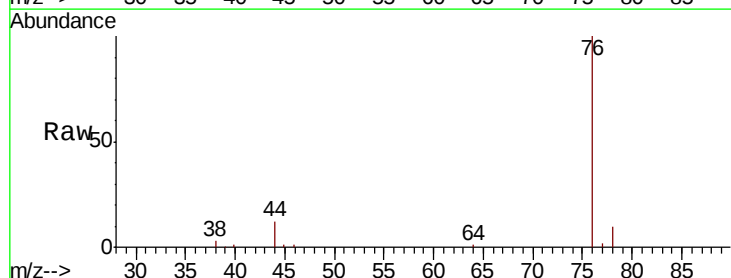
Acq: 22 Nov 2018 06:17

Tgt Ion: 76 Resp: 46419

Ion Ratio Lower Upper

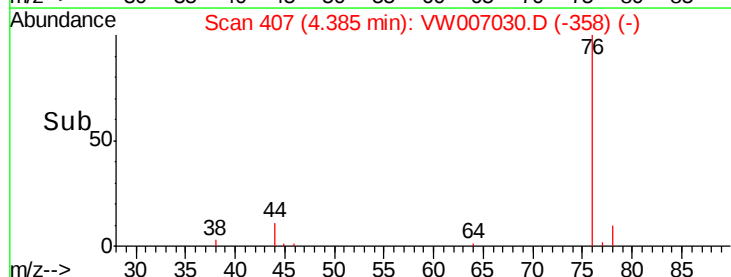
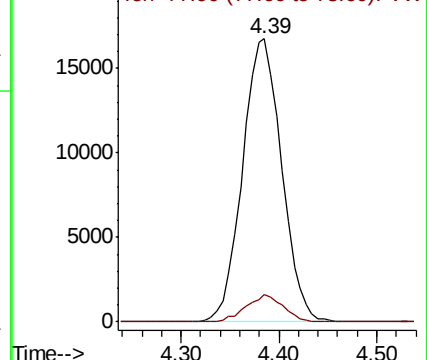
76 100

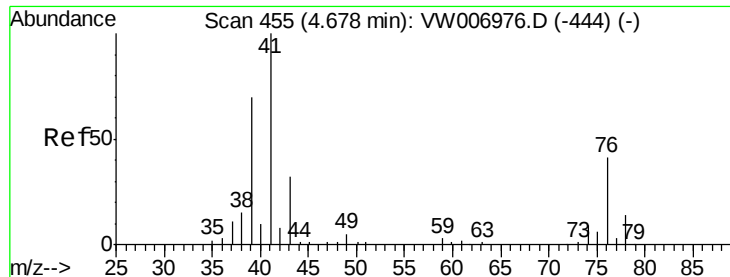
78 9.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

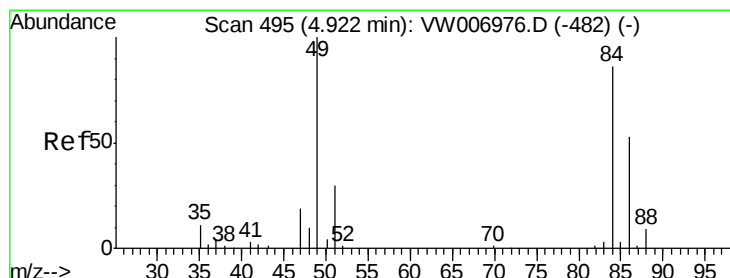
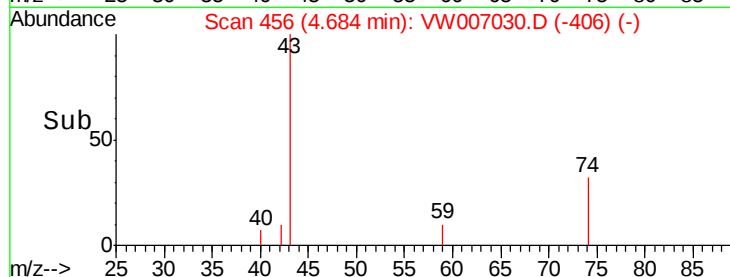
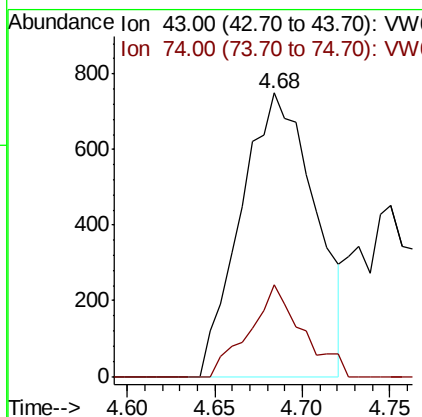
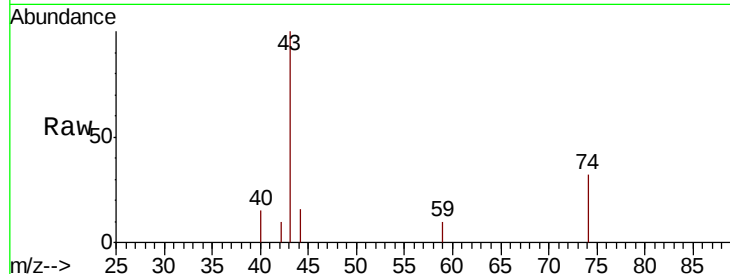




#18
Methyl Acetate
Concen: 5.359 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

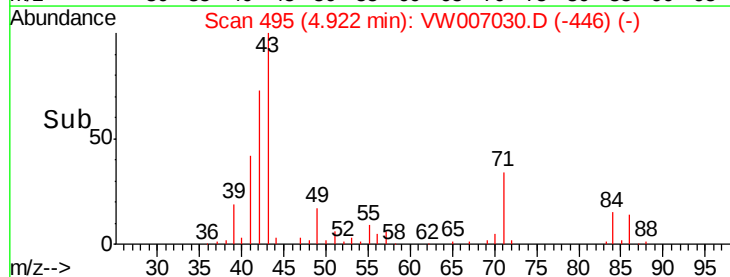
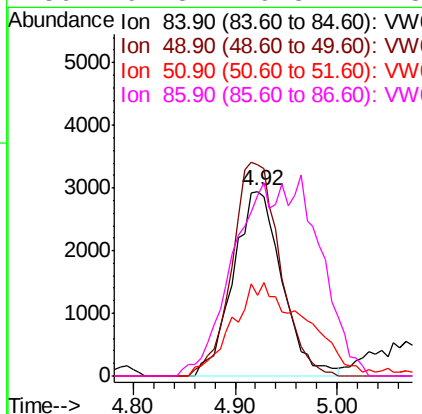
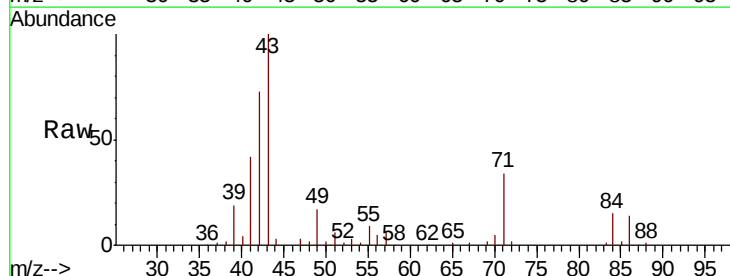
Instrument :
MSVOA_W
ClientSampled :

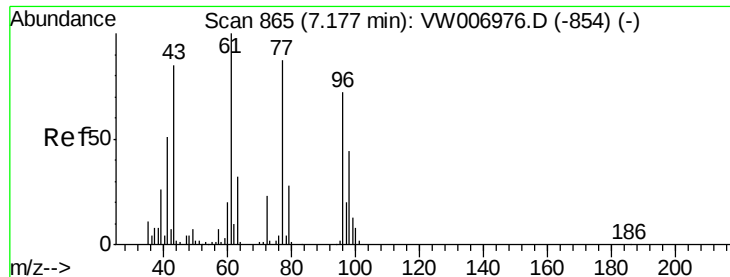
Tot Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
74 22.9 20.1 30.1



#20
Methylene Chloride
Concen: 5.819 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 84 Resp: 9792
Ion Ratio Lower Upper
84 100
49 114.3 93.4 140.0
51 43.5 28.4 42.6#
86 91.8 49.8 74.8#





#25

2-Butanone

Concen: 84.118 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

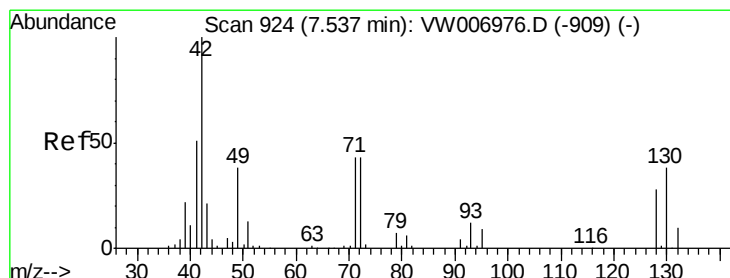
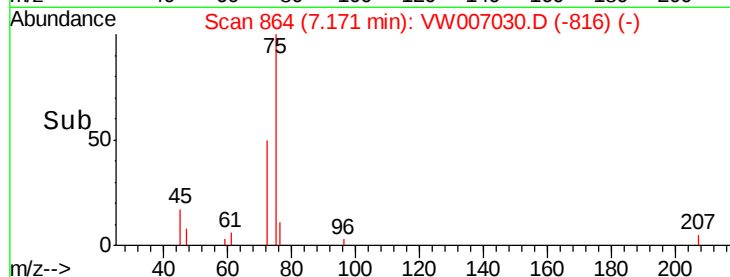
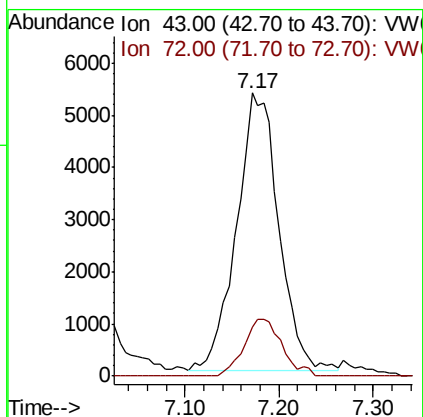
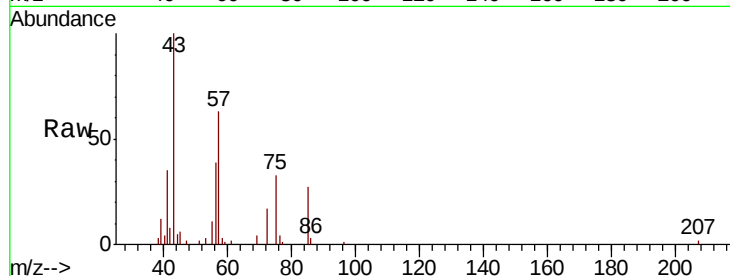
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16715

Ion Ratio Lower Upper

43 100

72 17.7 21.3 31.9#



#29

Tetrahydrofuran

Concen: 3.178 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

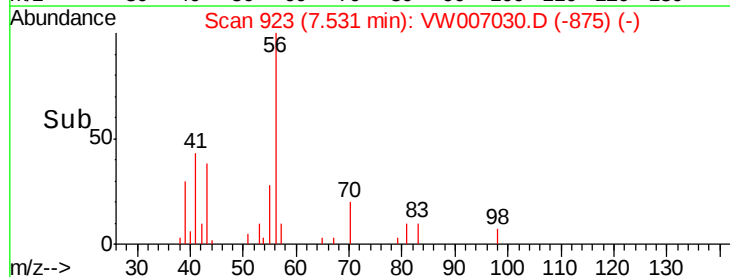
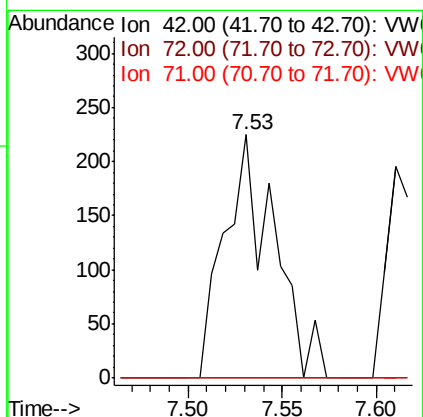
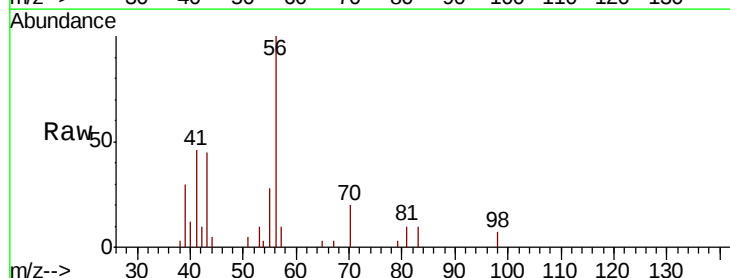
Tgt Ion: 42 Resp: 409

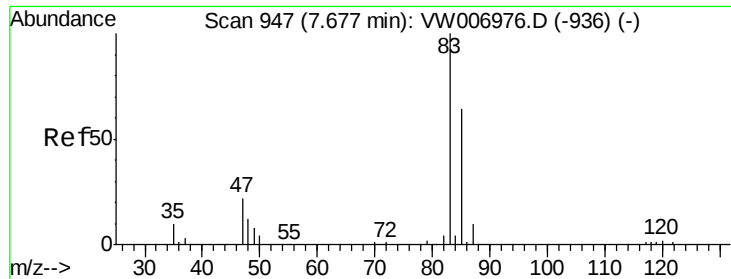
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 0.0 33.8 50.8#

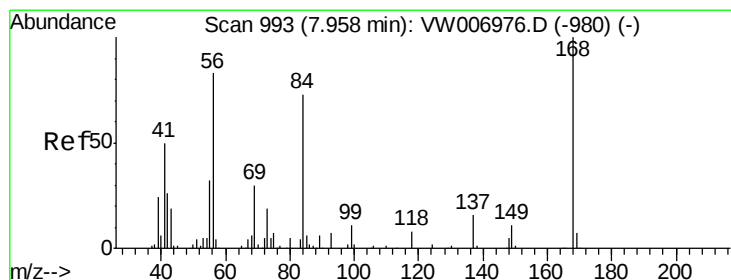
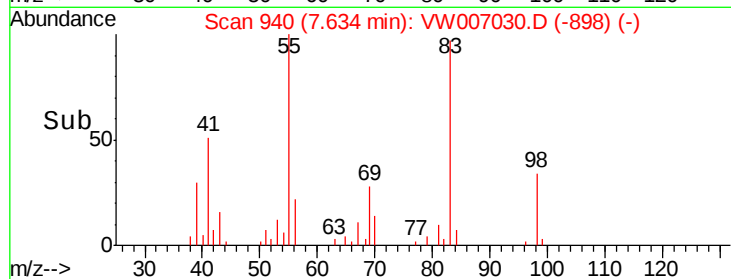
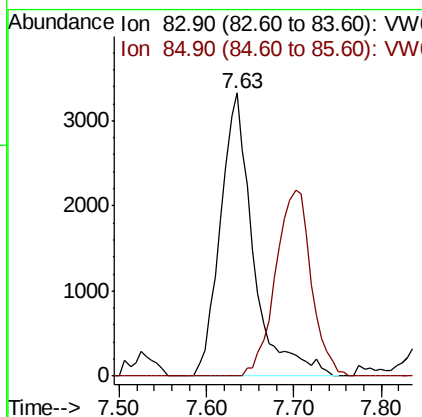
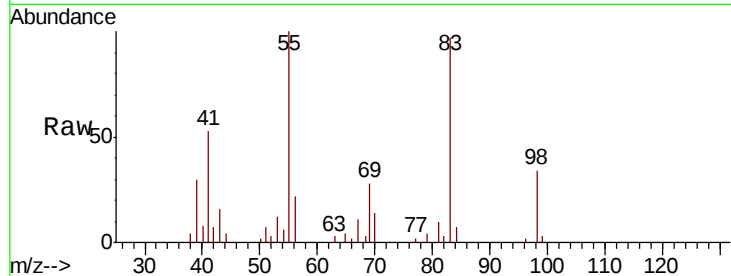




#30
Chloroform
Concen: 5.630 ug/l
RT: 7.63 min Scan# 940
Delta R.T. -0.04 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

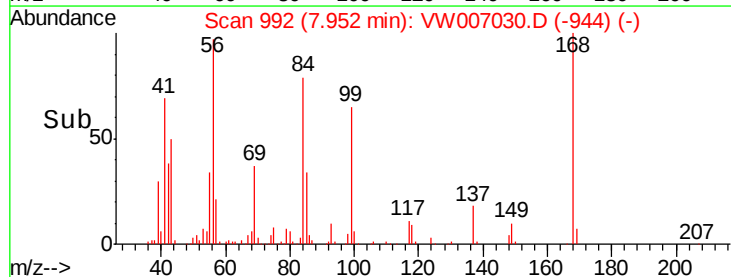
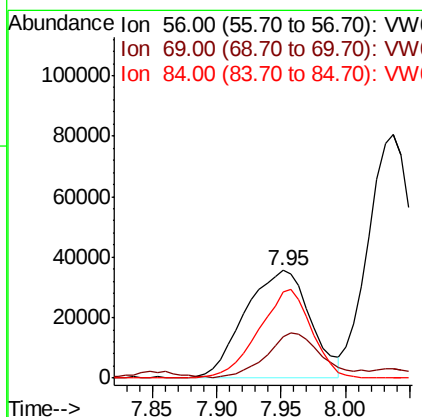
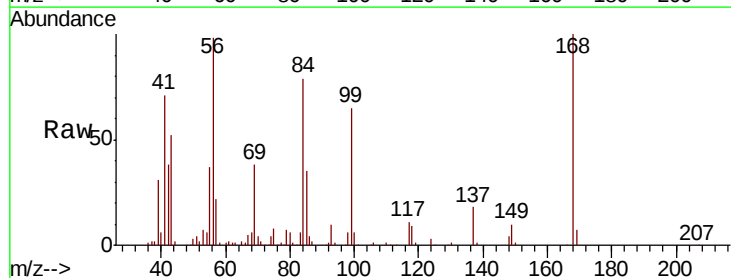
Instrument :
MSVOA_W
ClientSampled :

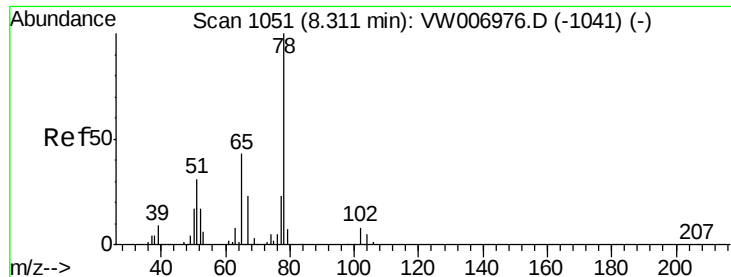
Tot Ion: 83 Resp: 8679
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#



#31
Cyclohexane
Concen: 80.630 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 56 Resp: 124090
Ion Ratio Lower Upper
56 100
69 36.6 29.1 43.7
84 81.1 70.6 105.8

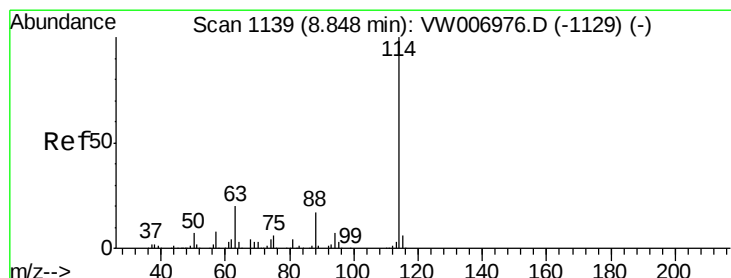
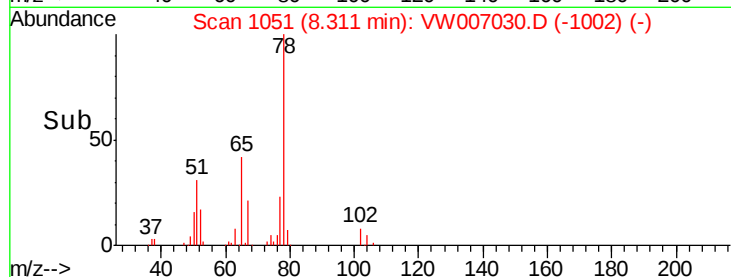
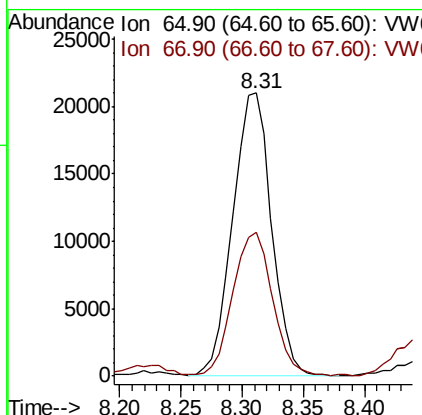
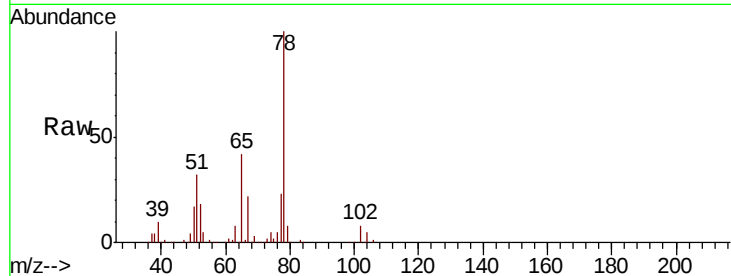




#33
 1,2-Dichloroethane-d4
 Concen: 57.912 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

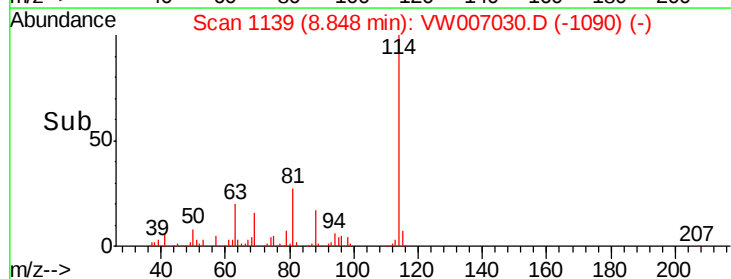
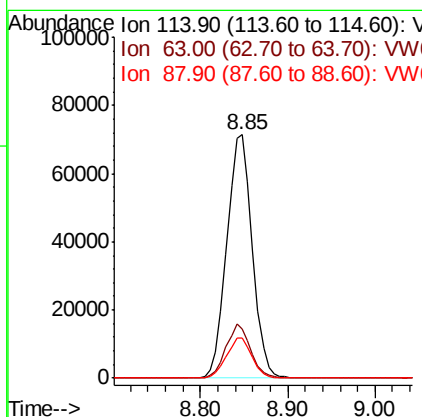
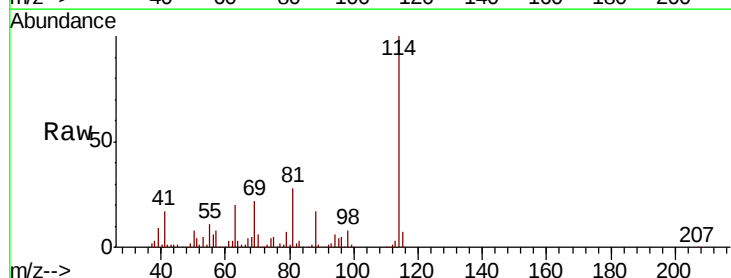
Instrument :
 MSVOA_W
 ClientSampleId :

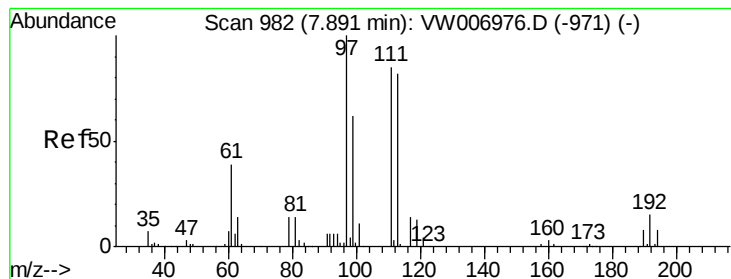
Tot Ion: 65 Resp: 46277
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion: 114 Resp: 143985
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.877 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

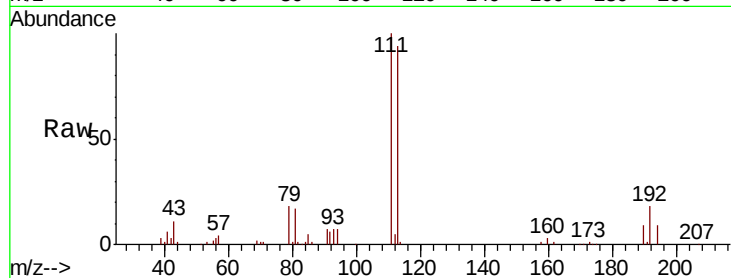
Tot Ion:113 Resp: 38930

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.6

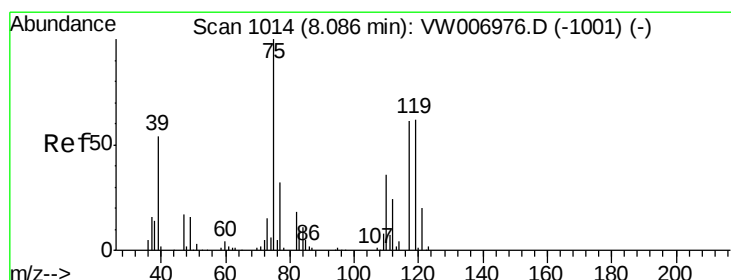
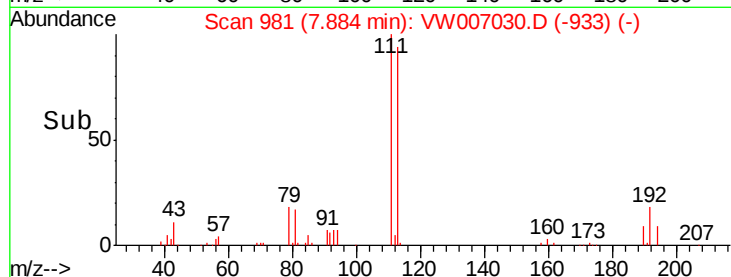
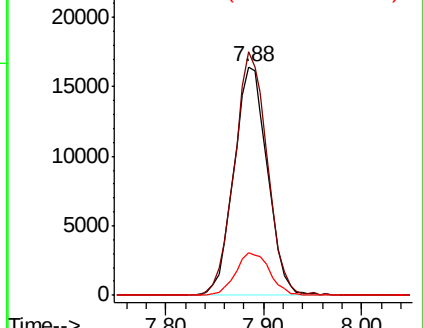
192 18.9 15.0 22.6



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: 4.715 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

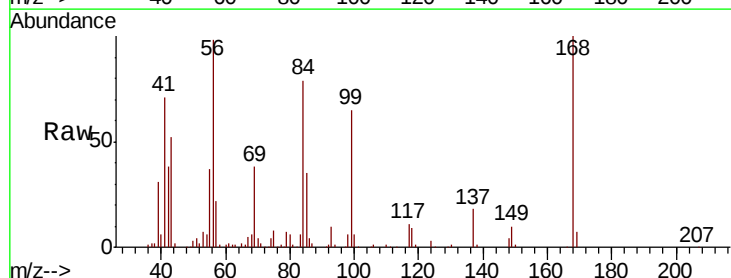
Tgt Ion: 75 Resp: 6634

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

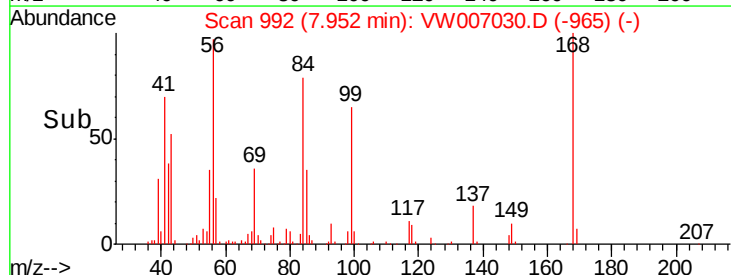
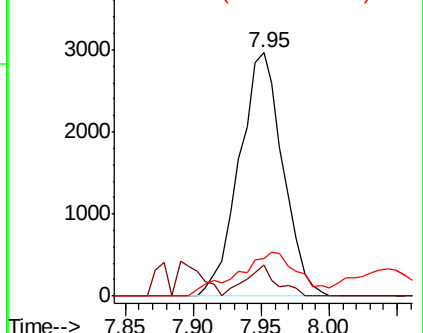
77 25.4 24.9 37.3

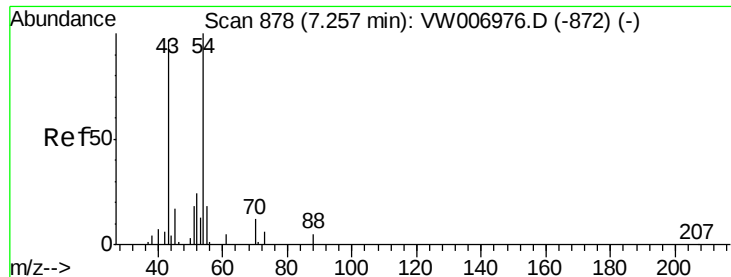


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

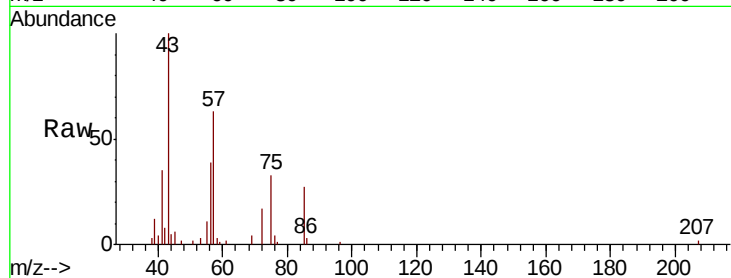




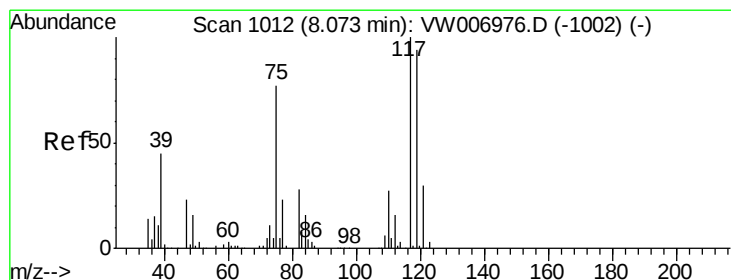
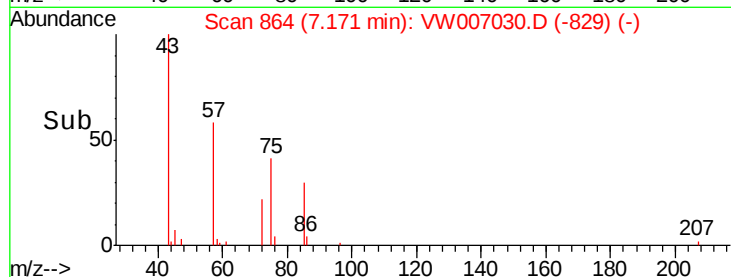
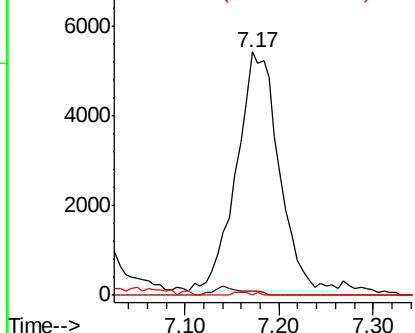
#37
Ethyl Acetate
Concen: 32.783 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16715
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.4 8.8 13.2#

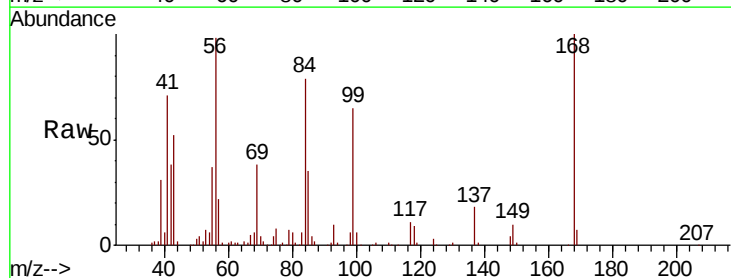


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

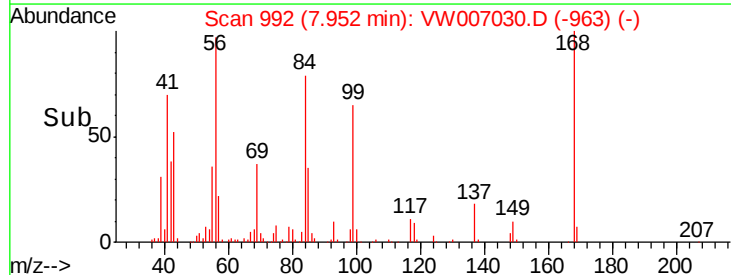
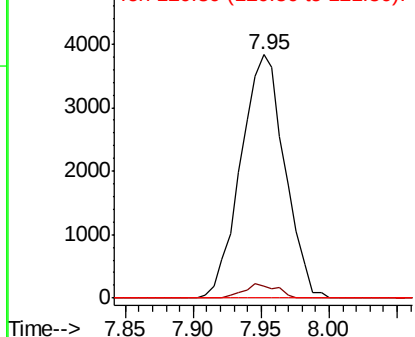


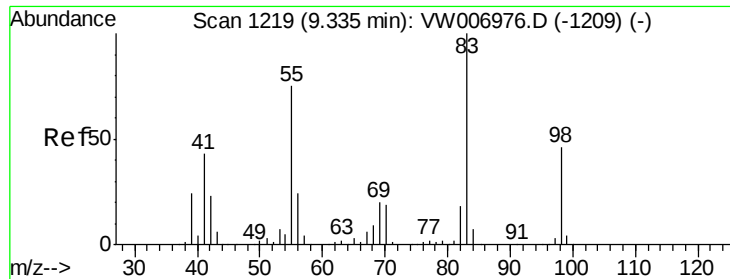
#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 117 Resp: 8668
Ion Ratio Lower Upper
117 100
119 5.0 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

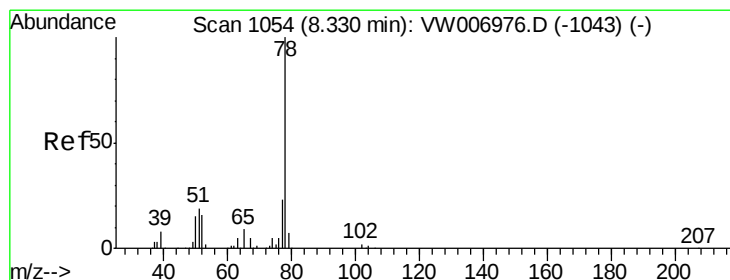
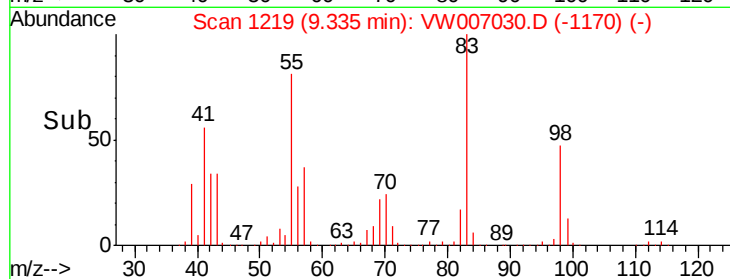
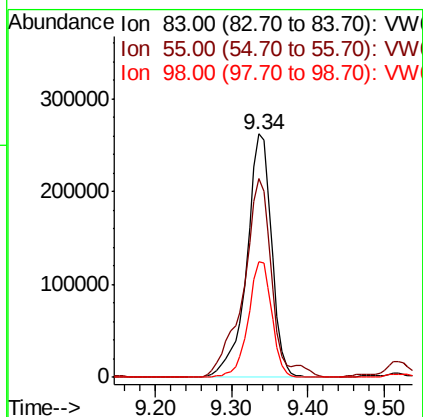
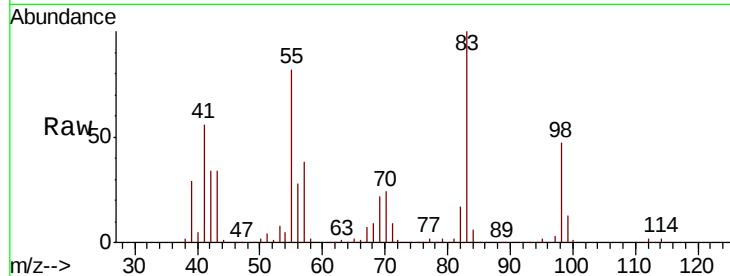




#39
Methvlcvclohexane
Concen: 337.392 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

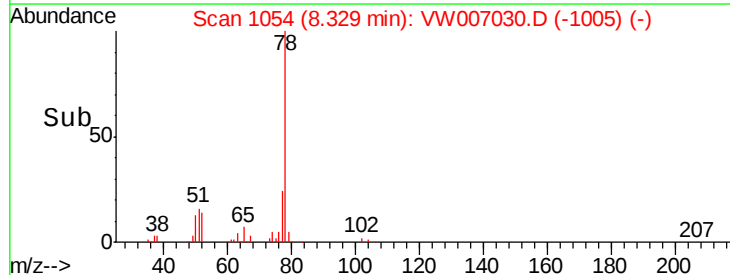
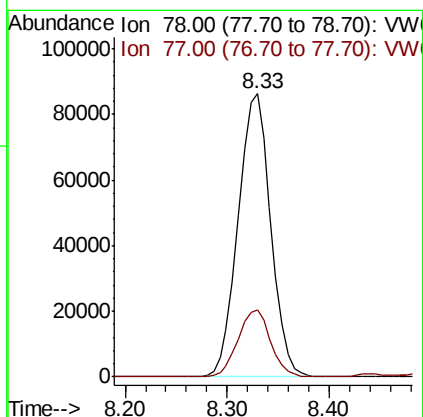
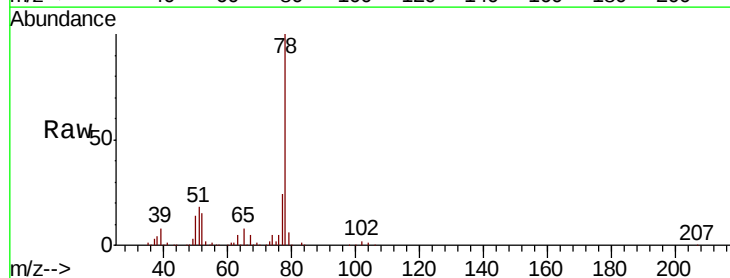
Instrument :
MSVOA_W
ClientSampleId :

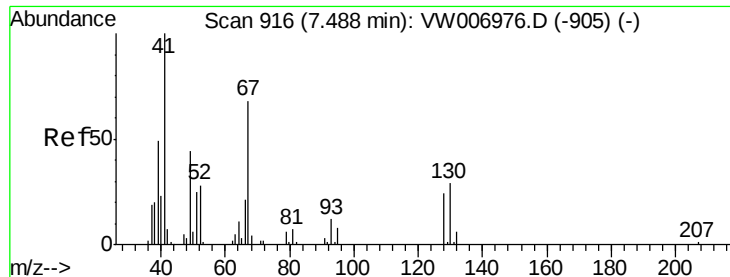
Tot Ion: 83 Resp: 594072
Ion Ratio Lower Upper
83 100
55 81.5 59.6 89.4
98 47.4 37.1 55.7



#40
Benzene
Concen: 50.376 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 78 Resp: 191330
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

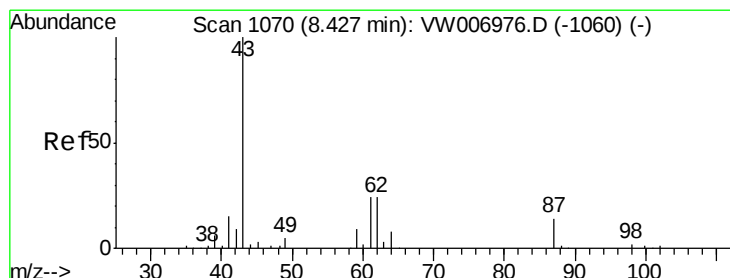
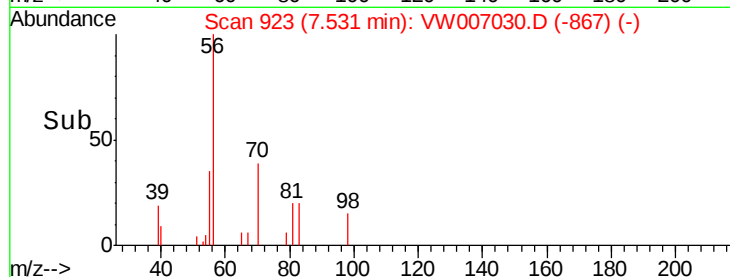
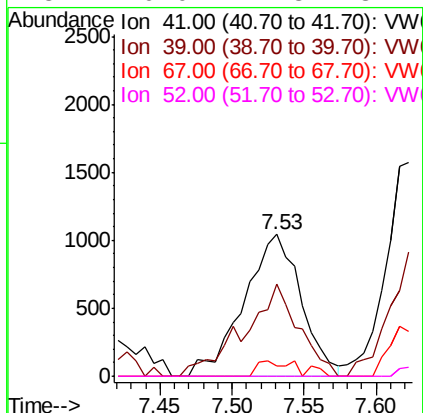
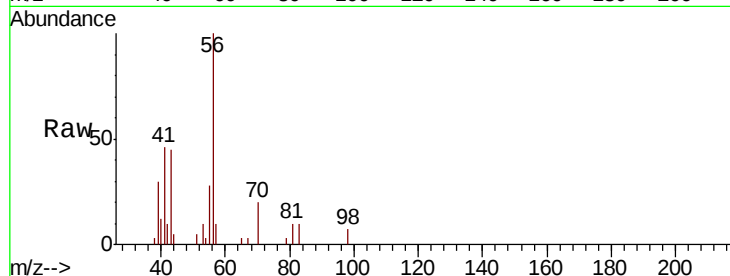




#41
Methacrylonitrile
Concen: 9.095 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

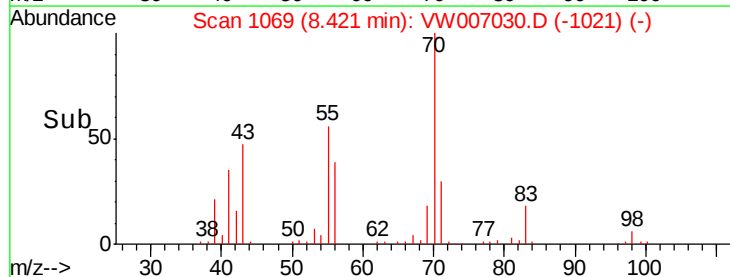
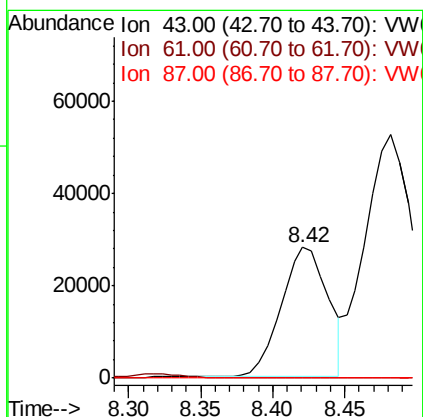
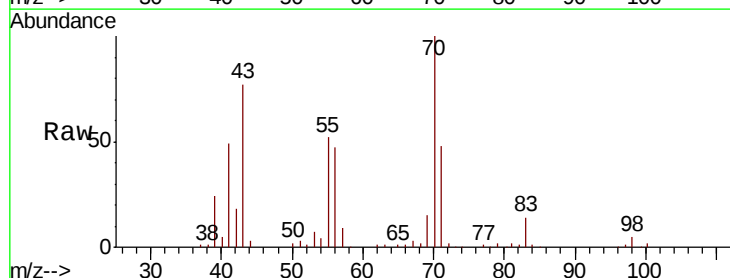
Instrument :
MSVOA_W
ClientSampleId :

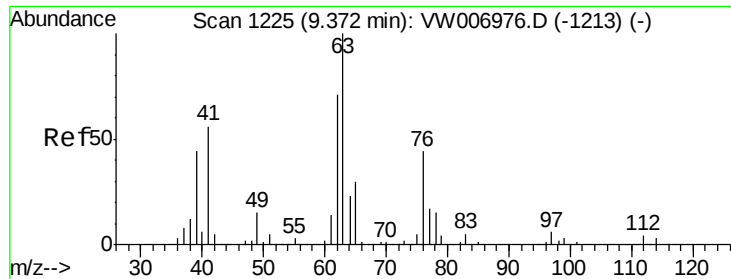
Tot Ion: 41 Resp: 2880
Ion Ratio Lower Upper
41 100
39 62.3 48.6 73.0
67 0.0 59.8 89.8#
52 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 65.798 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 43 Resp: 63932
Ion Ratio Lower Upper
43 100
61 0.3 26.1 39.1#
87 0.0 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 7.338 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.03 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

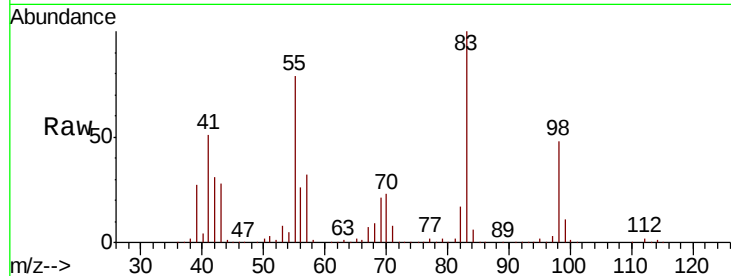
ClientSampled :

Tot Ion: 63 Resp: 6870

Ion Ratio Lower Upper

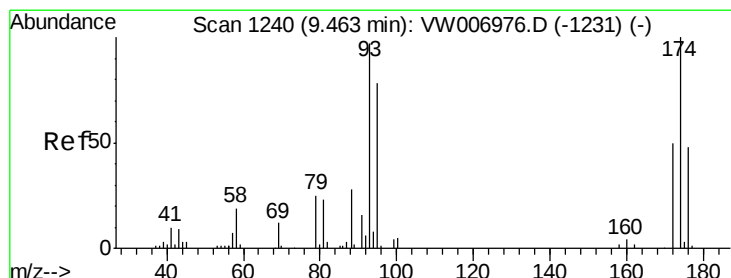
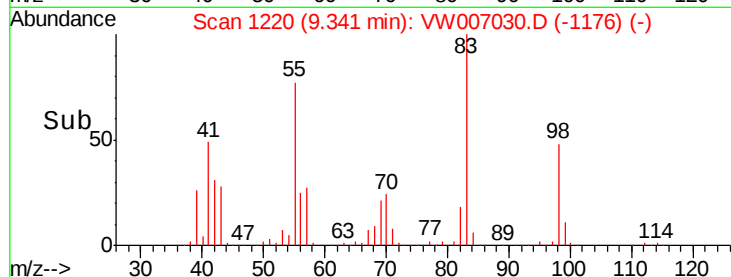
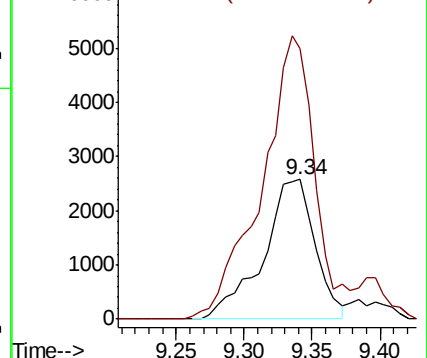
63 100

65 191.6 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: 1.267 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. -0.06 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

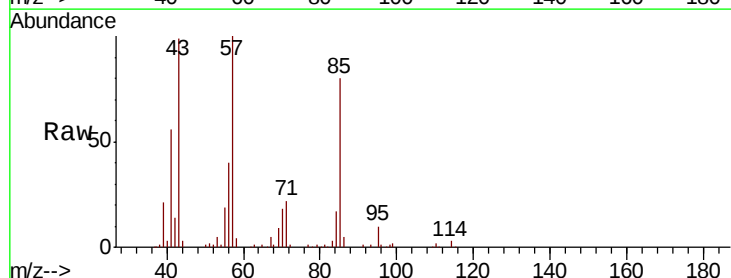
Tgt Ion: 93 Resp: 594

Ion Ratio Lower Upper

93 100

95 1329.0 66.1 99.1#

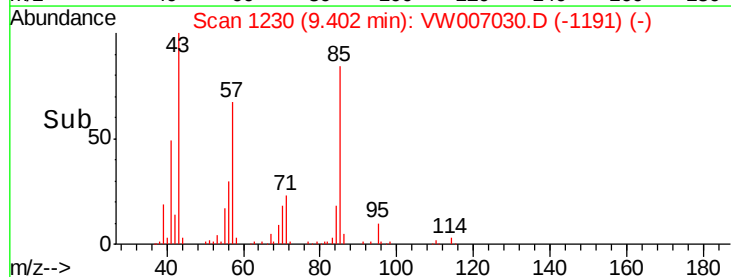
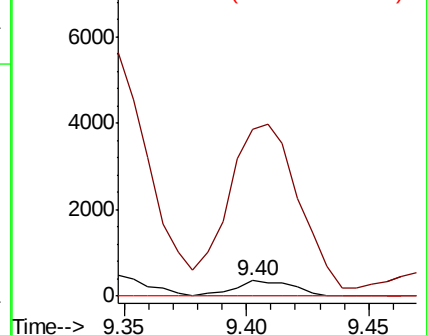
174 0.0 79.7 119.5#

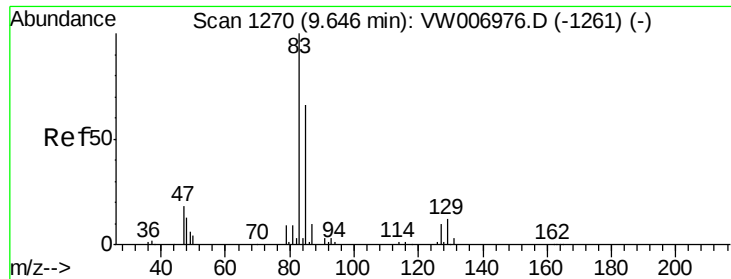


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.924 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

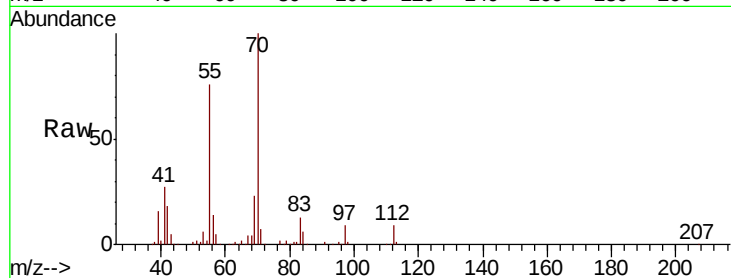
Tot Ion: 83 Resp: 22142

Ion Ratio Lower Upper

83 100

85 3.5 52.9 79.3#

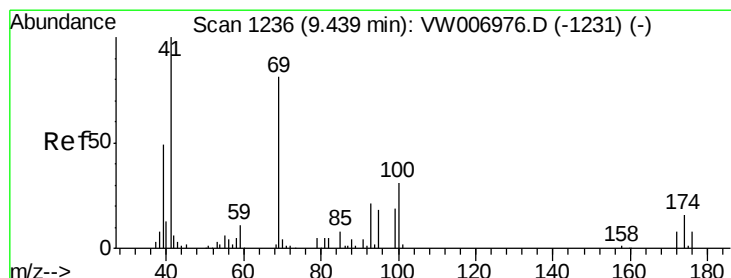
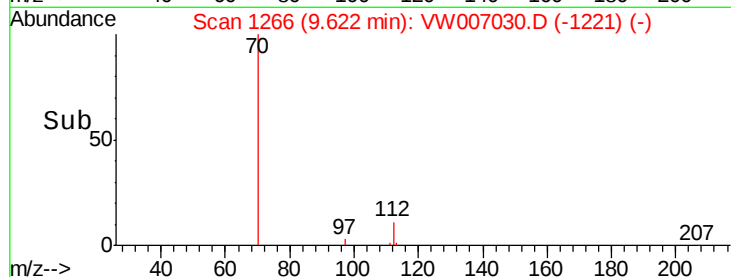
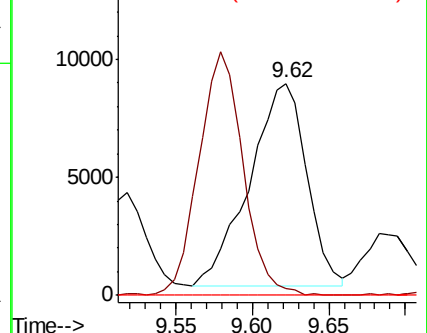
127 0.0 7.8 11.6#



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: 33.863 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

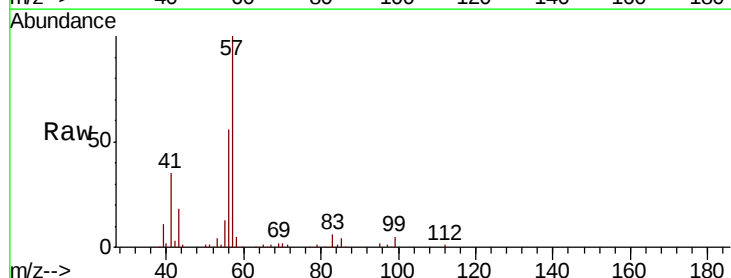
Tgt Ion: 41 Resp: 15865

Ion Ratio Lower Upper

41 100

69 0.0 71.4 107.0#

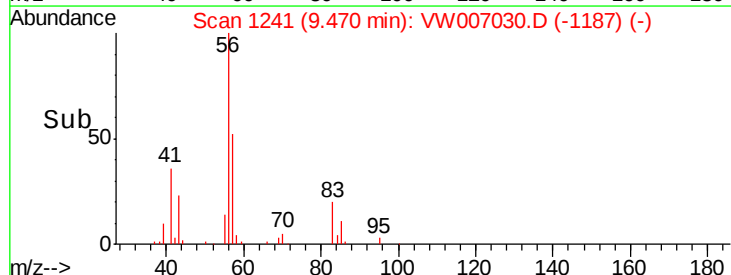
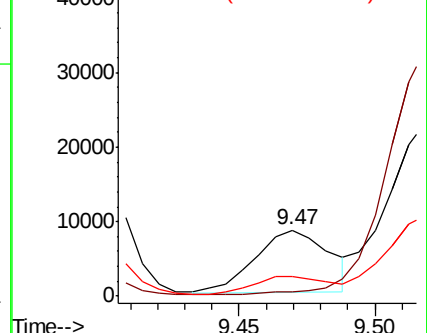
39 0.0 44.8 67.2#

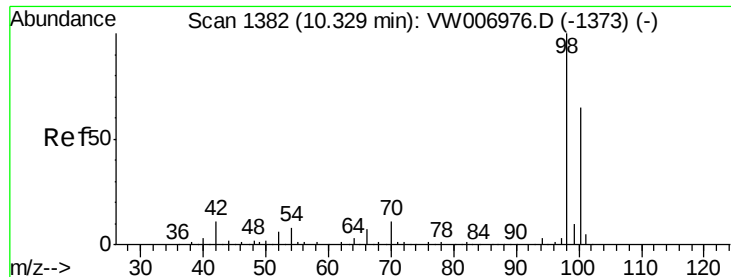


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 47.381 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

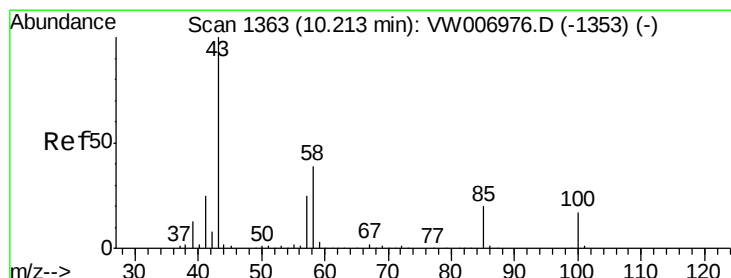
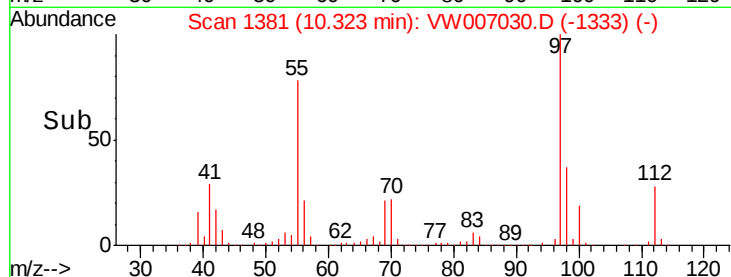
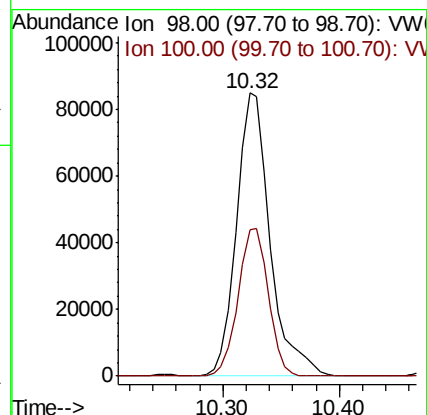
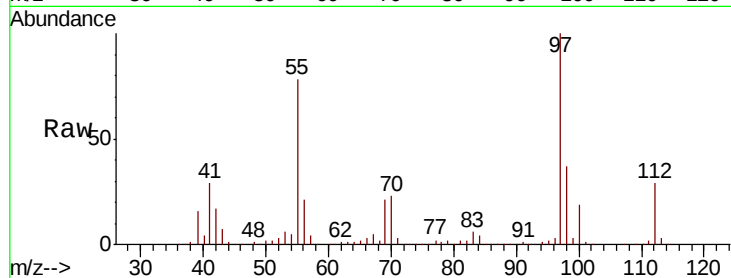
ClientSampleId :

Tot Ion: 98 Resp: 170128

Ion Ratio Lower Upper

98 100

100 47.2 52.2 78.2#



#51

4-Methyl-2-Pentanone

Concen: 61.897 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW007030.D

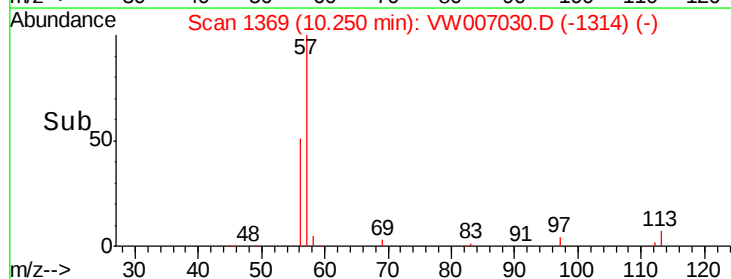
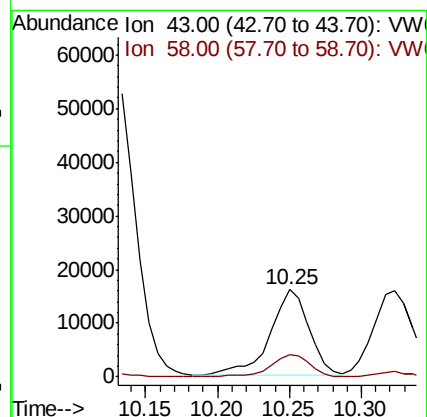
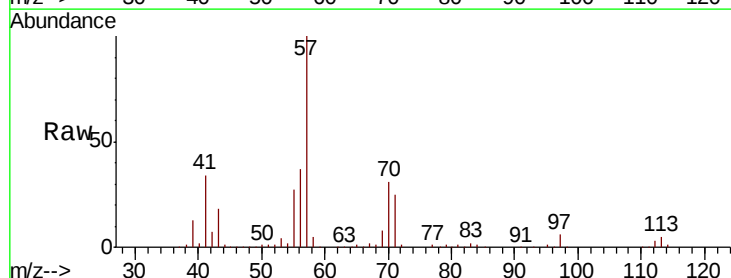
Acq: 22 Nov 2018 06:17

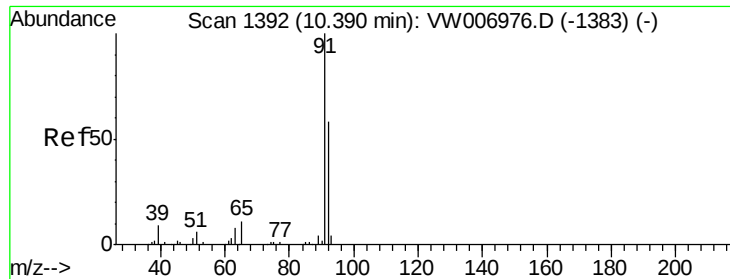
Tgt Ion: 43 Resp: 30393

Ion Ratio Lower Upper

43 100

58 26.7 31.8 47.6#





#52

Toluene

Concen: 4.188 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

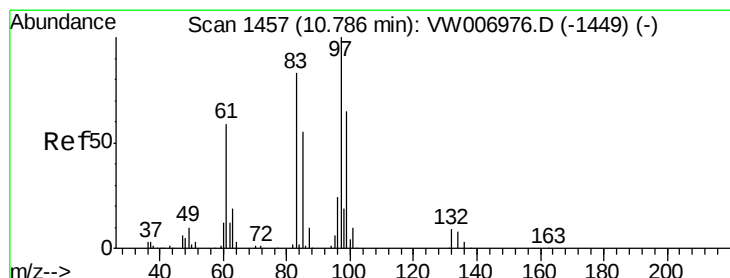
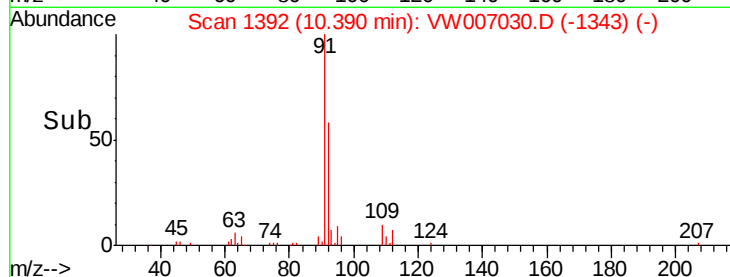
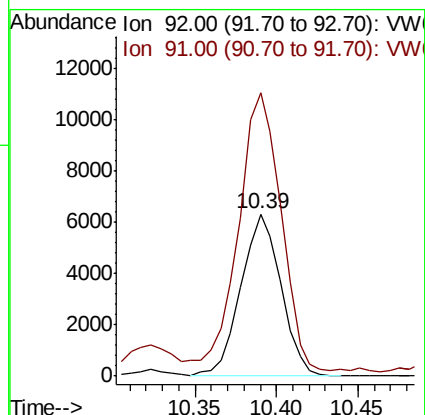
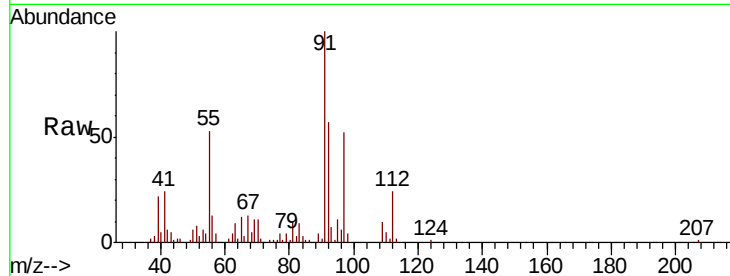
ClientSampleId :

Tot Ion: 92 Resp: 10825

Ion Ratio Lower Upper

92 100

91 184.3 137.3 205.9



#55

1,1,2-Trichloroethane

Concen: 237.478 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Tgt Ion: 97 Resp: 163816

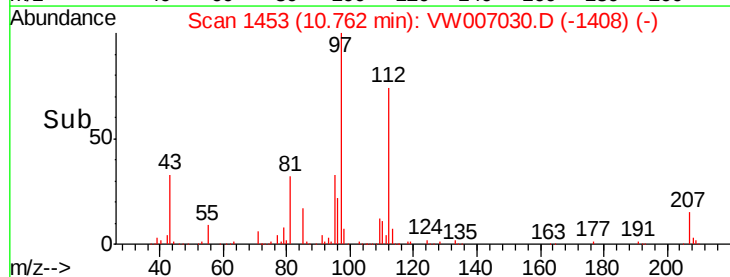
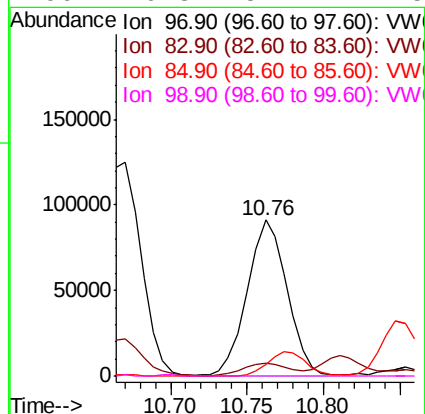
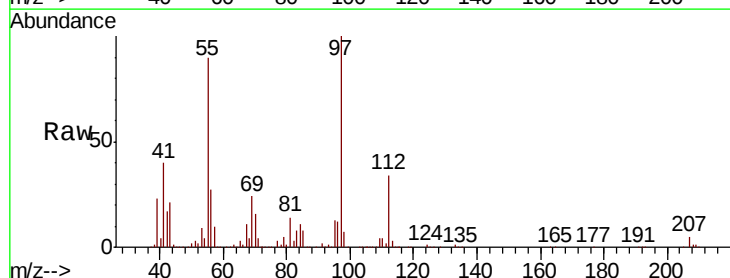
Ion Ratio Lower Upper

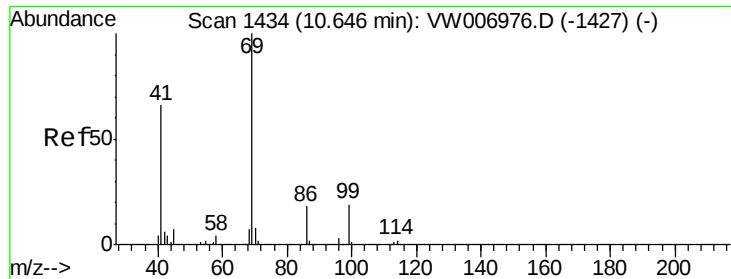
97 100

83 8.0 66.4 99.6#

85 7.6 44.1 66.1#

99 0.3 51.7 77.5#

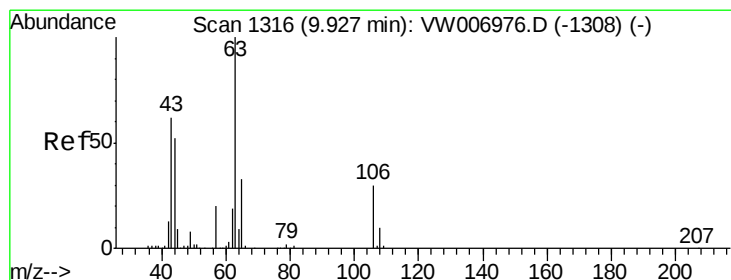
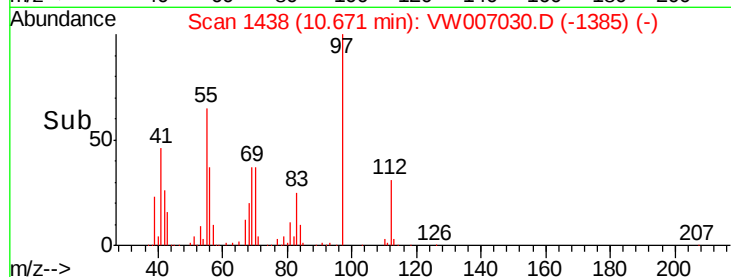
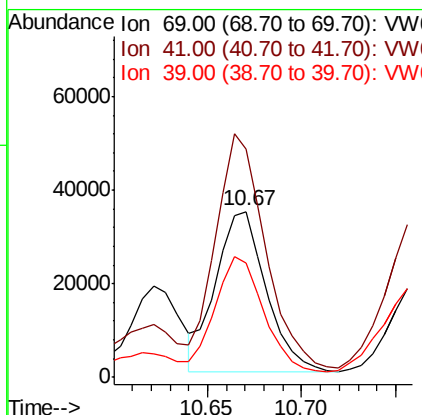
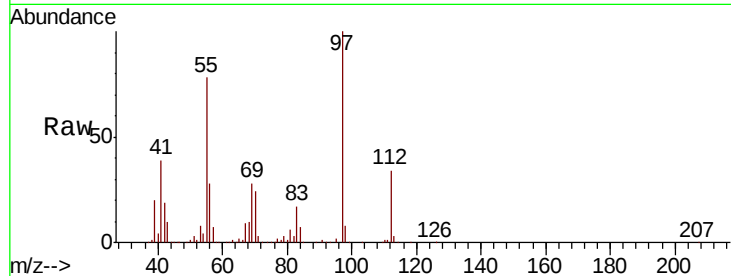




#56
 Ethyl methacrylate
 Concen: 78.848 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

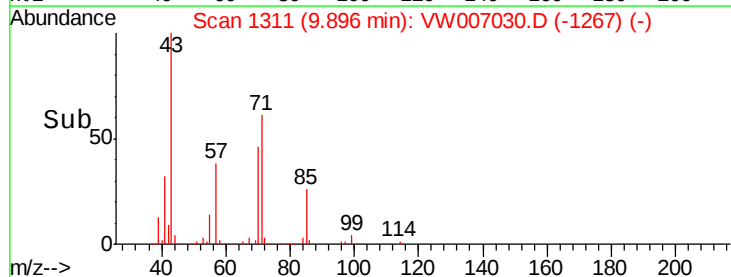
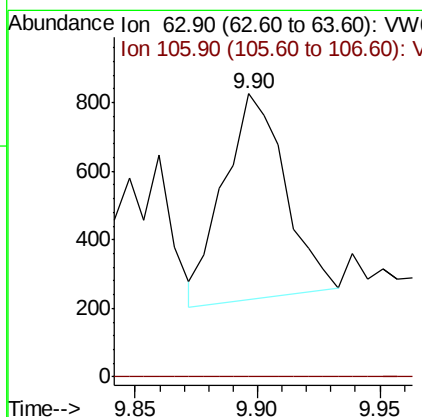
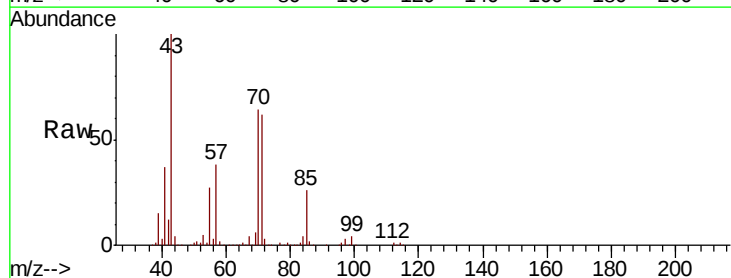
Instrument :
 MSVOA_W
 ClientSampled :

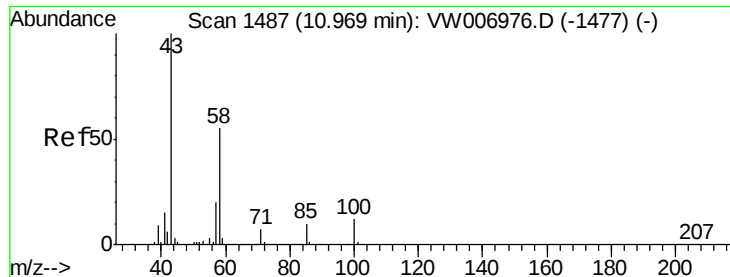
Tot Ion: 69 Resp: 63135
 Ion Ratio Lower Upper
 69 100
 41 143.8 53.4 80.0#
 39 69.4 28.2 42.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.500 ug/l
 RT: 9.90 min Scan# 1311
 Delta R.T. -0.03 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion: 63 Resp: 1046
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#





#59

2-Hexanone

Concen: 673.279 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

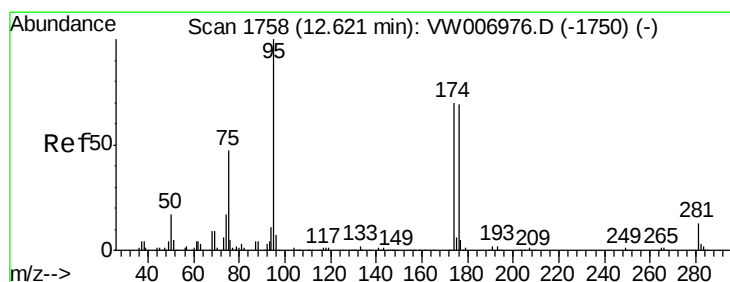
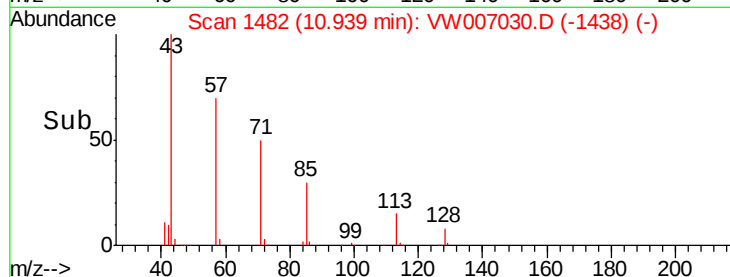
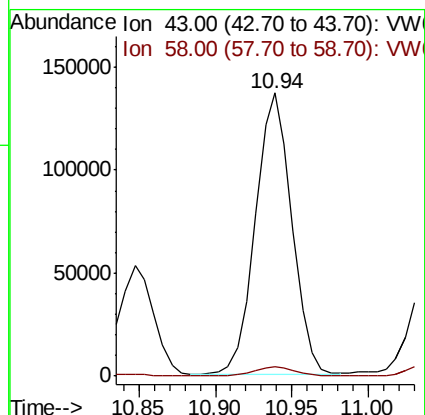
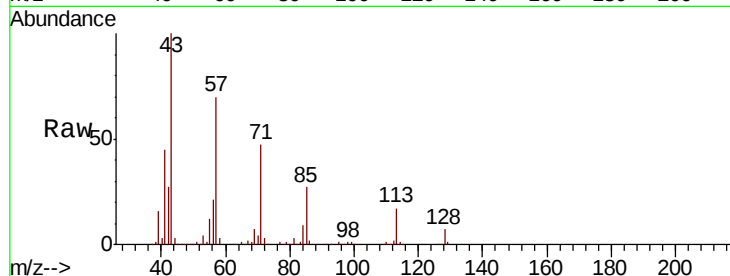
ClientSampled :

Tot Ion: 43 Resp: 226390

Ion Ratio Lower Upper

43 100

58 3.7 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 33.223 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

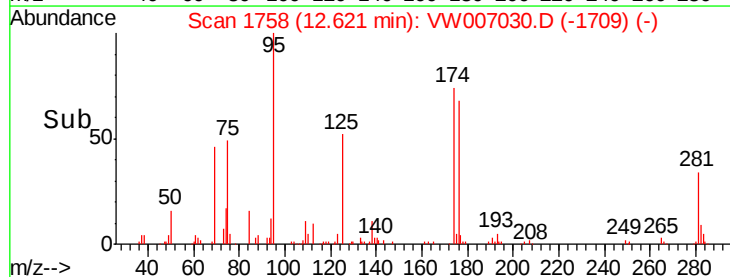
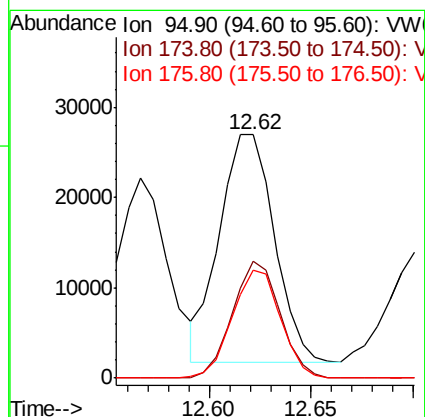
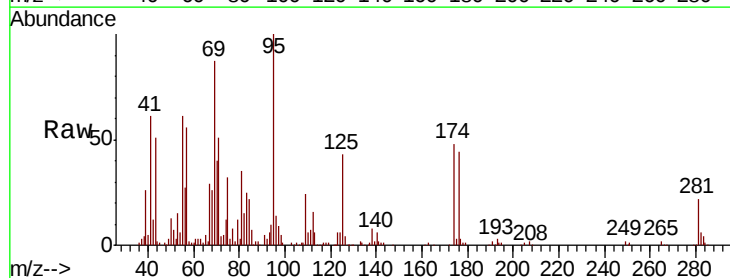
Tgt Ion: 95 Resp: 46943

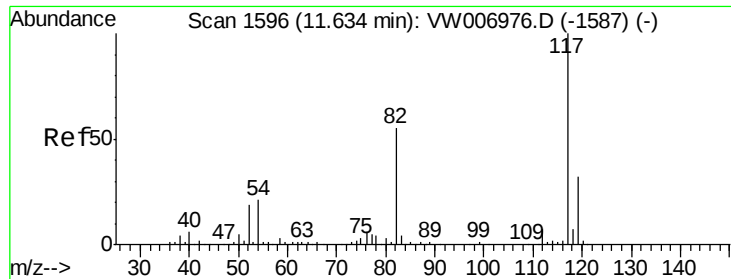
Ion Ratio Lower Upper

95 100

174 44.6 0.0 143.6

176 42.2 0.0 140.4

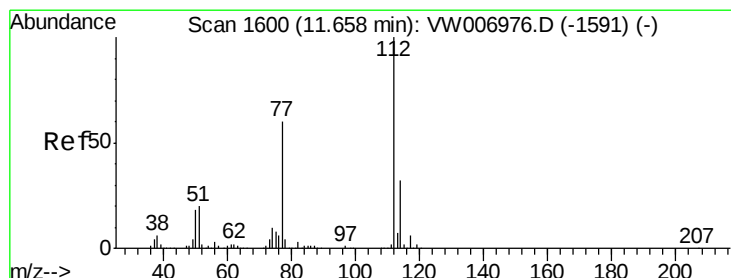
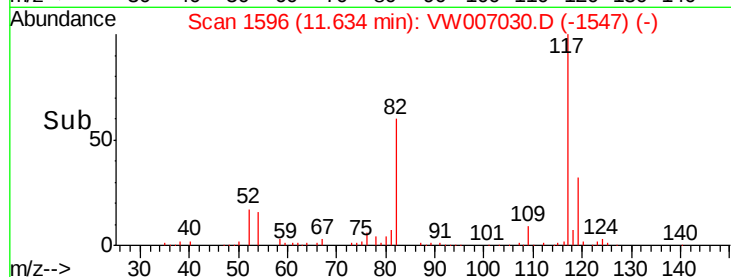
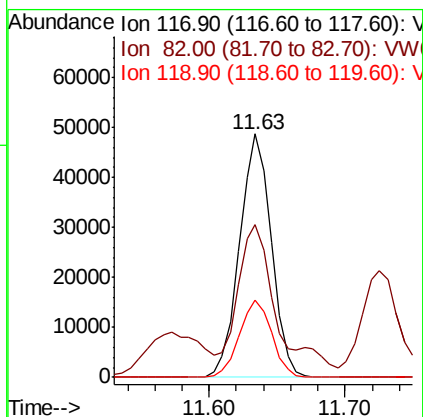
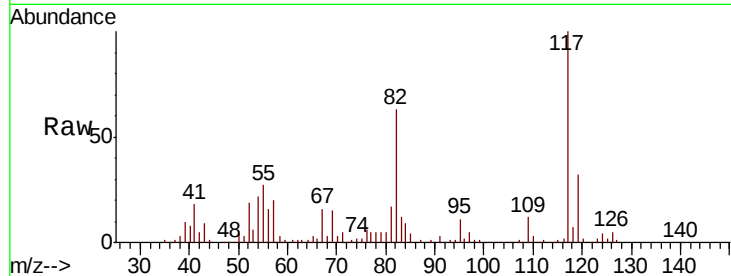




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

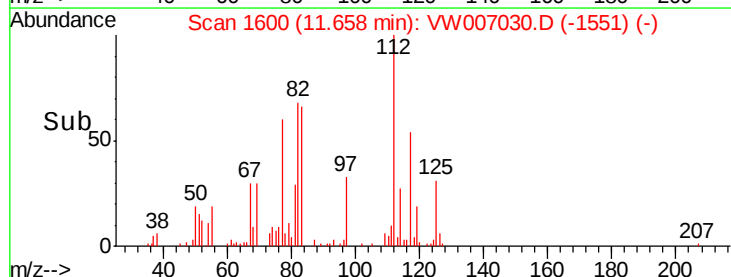
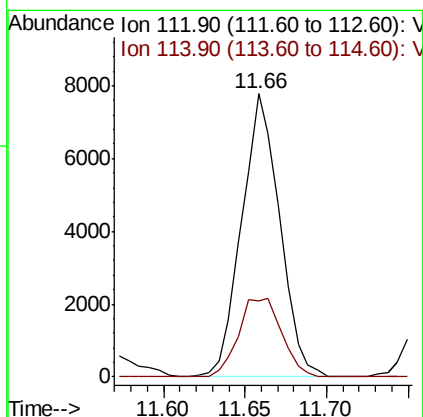
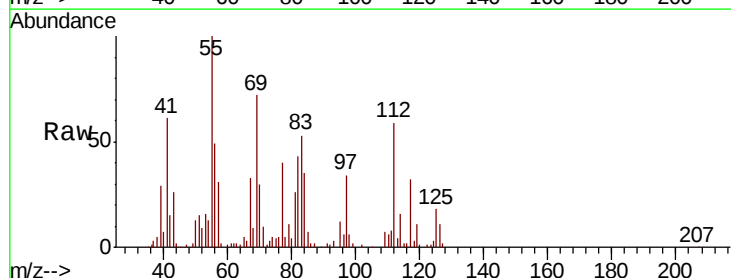
Instrument :
MSVOA_W
ClientSampled :

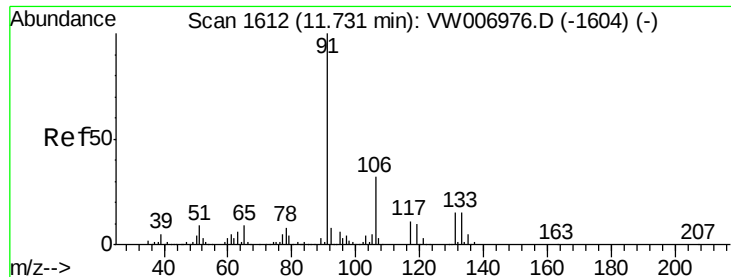
Tot Ion:117 Resp: 79357
Ion Ratio Lower Upper
117 100
82 58.8 44.2 66.2
119 32.0 25.9 38.9



#65
Chlorobenzene
Concen: 7.657 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion:112 Resp: 12683
Ion Ratio Lower Upper
112 100
114 26.9 25.8 38.8

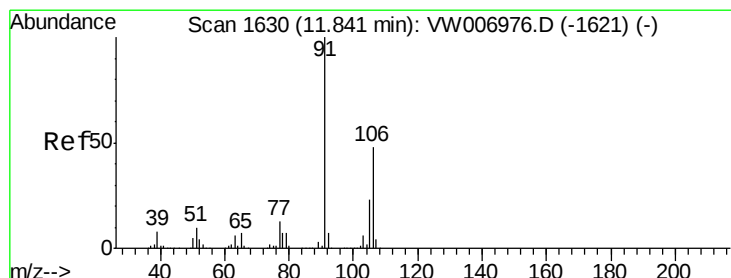
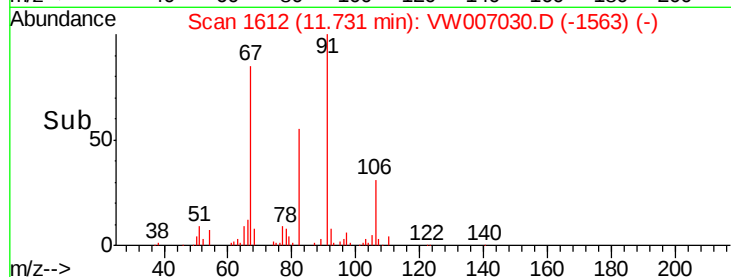
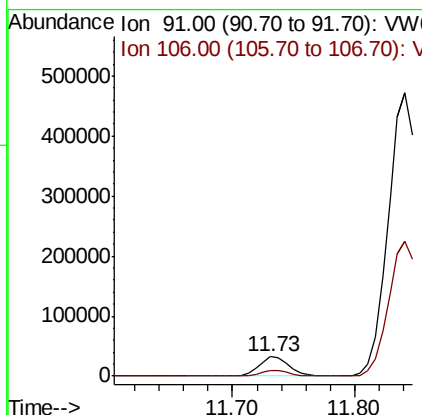
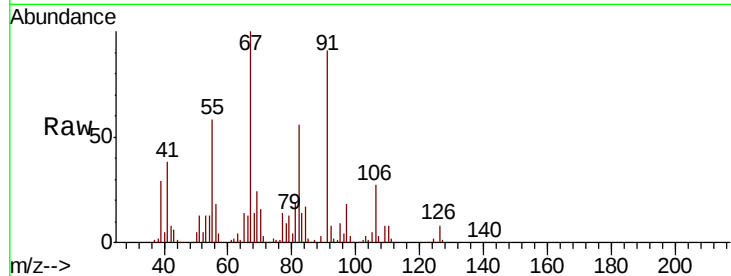




#67
Ethyl Benzene
Concen: 17.907 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

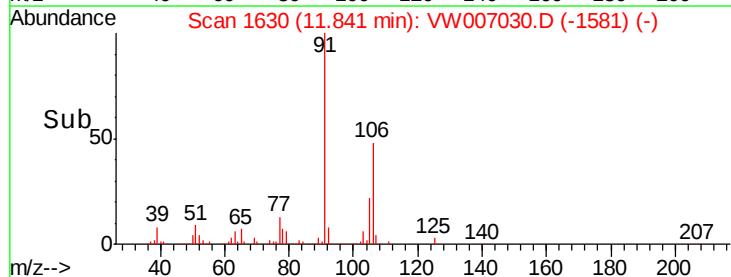
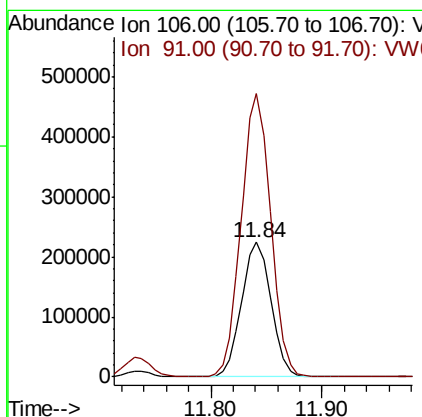
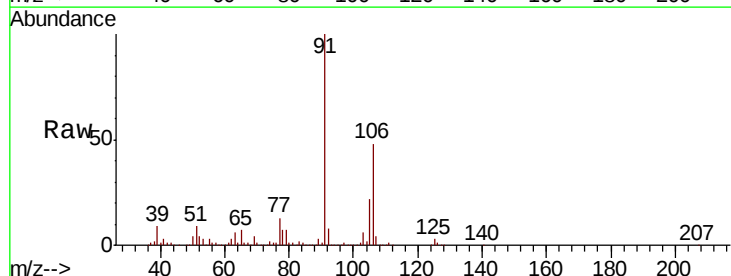
Instrument :
MSVOA_W
ClientSampleId :

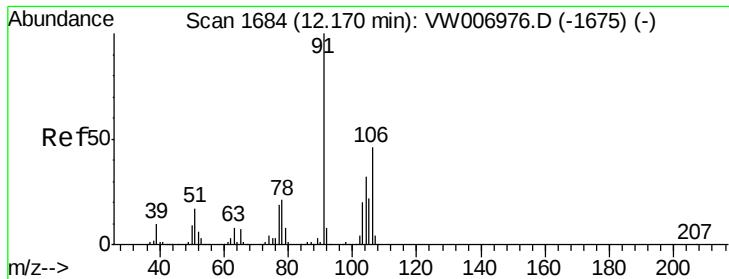
Tot Ion: 91 Resp: 54487
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 346.254 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion: 106 Resp: 413341
Ion Ratio Lower Upper
106 100
91 209.7 164.8 247.2

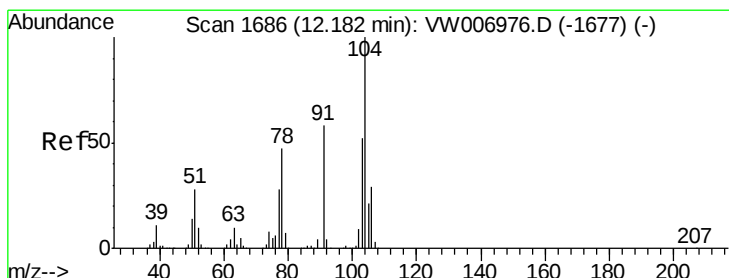
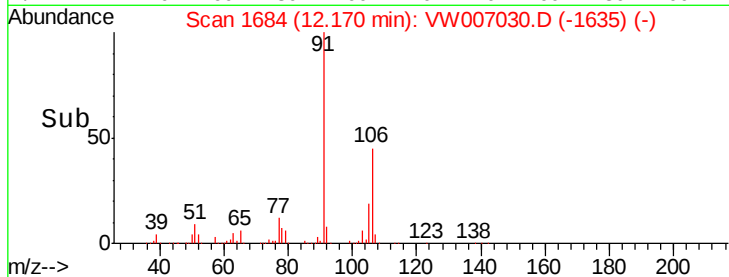
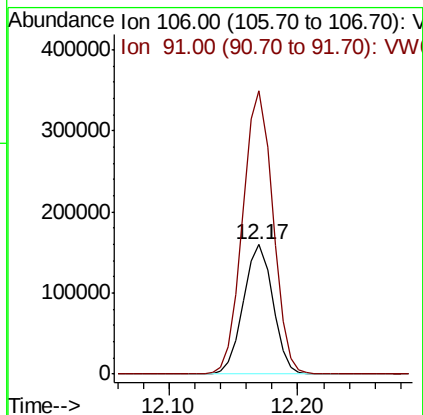
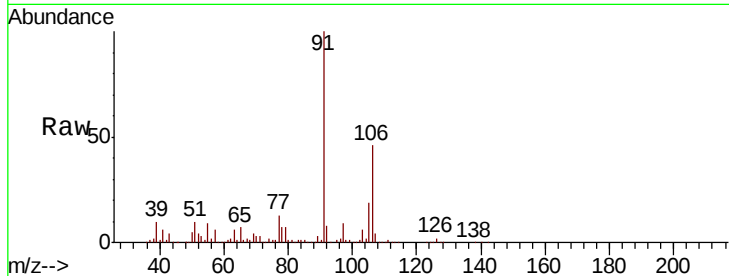




#69
o-Xylene
Concen: 224.924 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

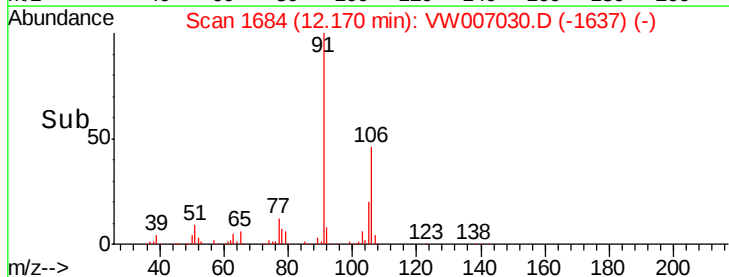
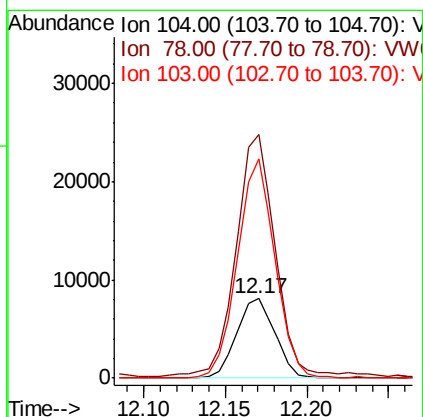
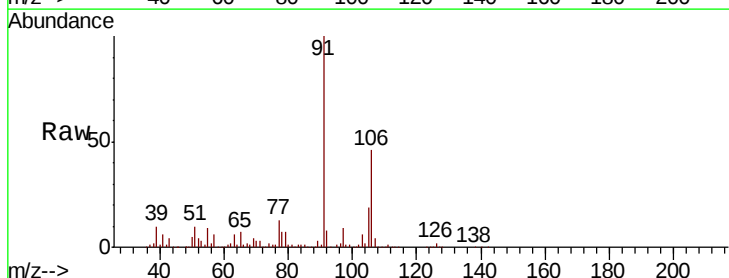
Instrument :
MSVOA_W
ClientSampled :

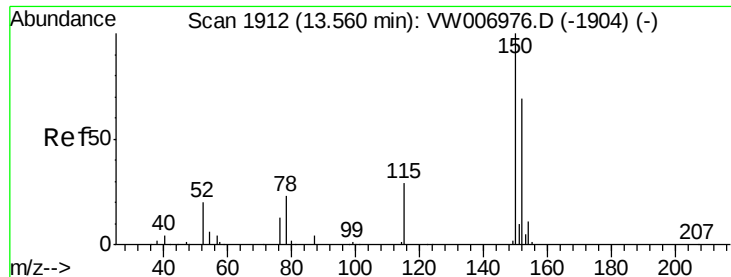
Tot Ion:106 Resp: 253177
Ion Ratio Lower Upper
106 100
91 222.8 107.9 323.8



#70
Styrene
Concen: 7.347 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion:104 Resp: 13162
Ion Ratio Lower Upper
104 100
78 311.0 41.8 62.8#
103 272.3 44.4 66.6#



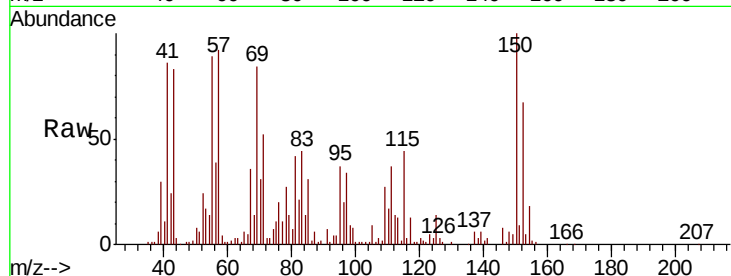


#72

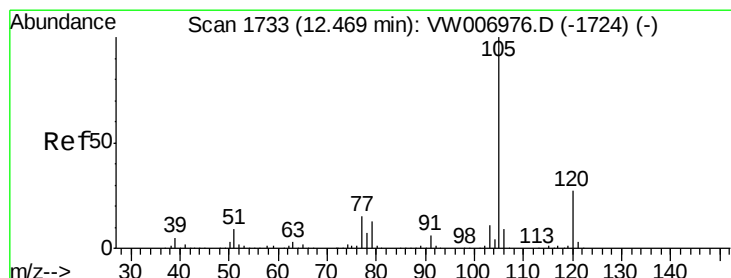
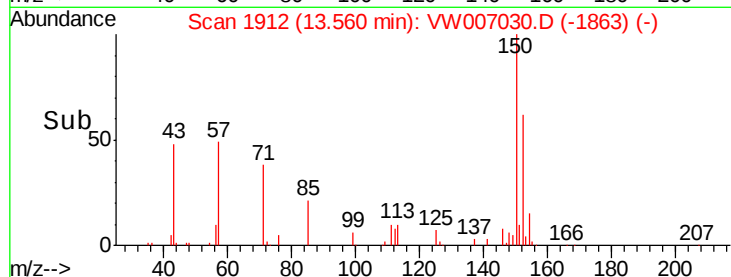
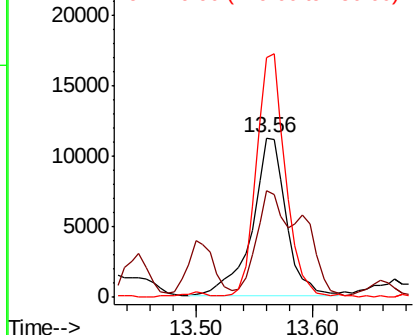
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 22563
Ion Ratio Lower Upper
152 100
115 51.5 31.4 94.2
150 134.1 0.0 353.4



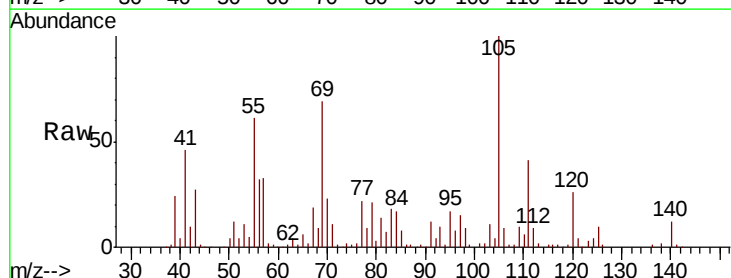
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



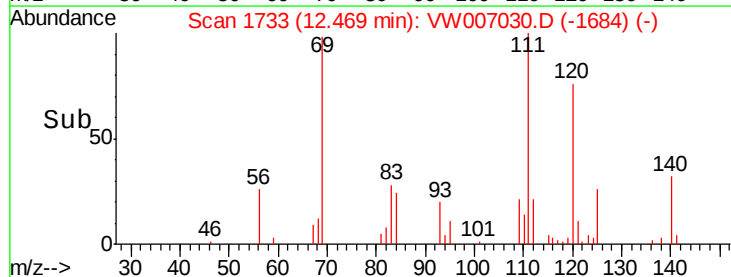
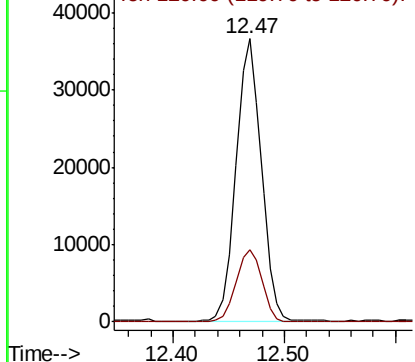
#73

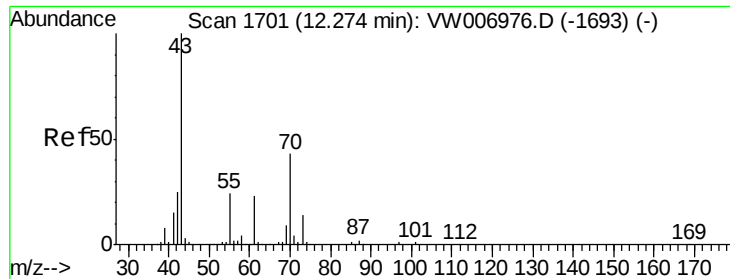
Isopropylbenzene
Concen: 32.874 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion:105 Resp: 57647
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 417.512 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 122705

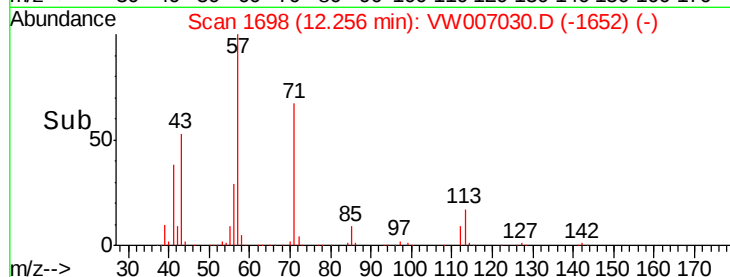
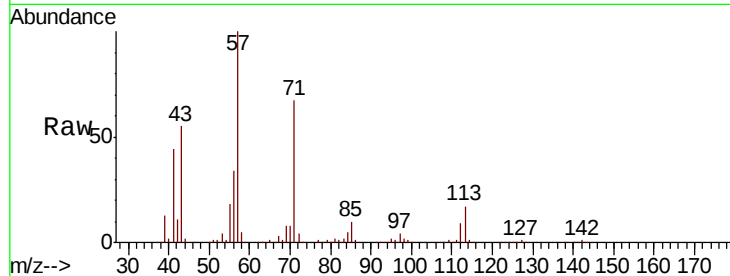
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#

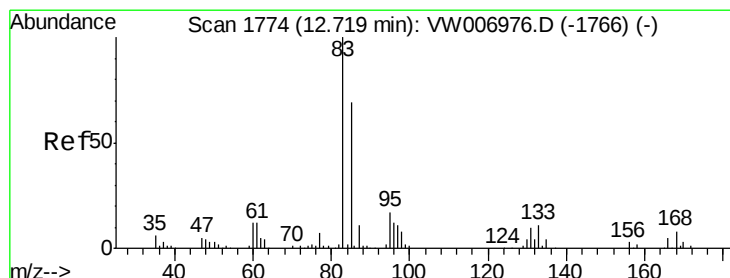
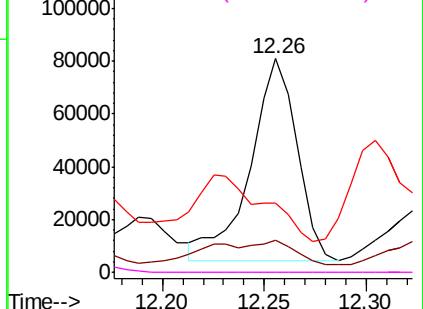


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 42.238 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

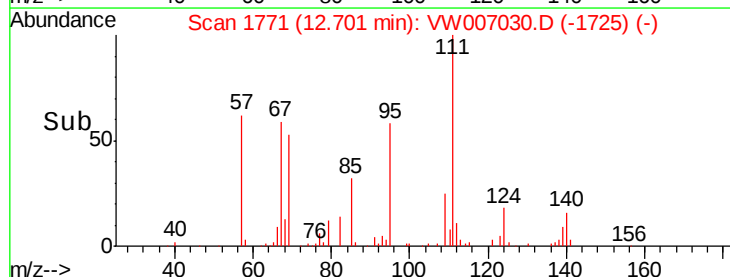
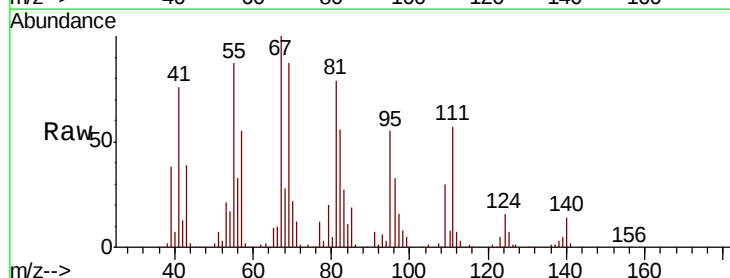
Tgt Ion: 83 Resp: 9857

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

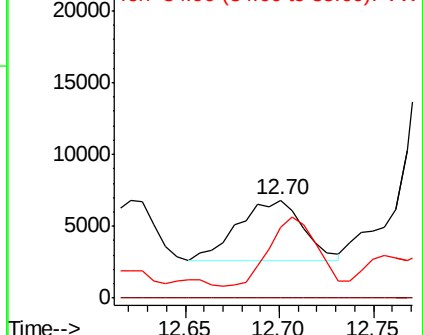
85 85.5 33.1 99.2

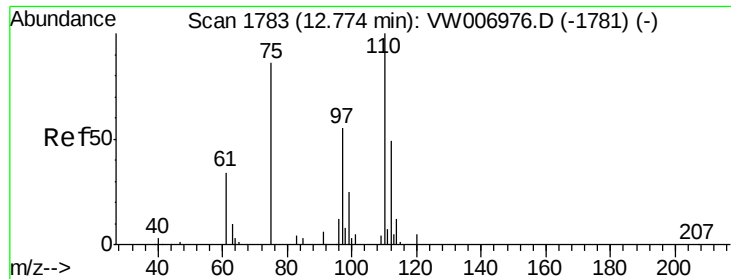


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 6.836 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

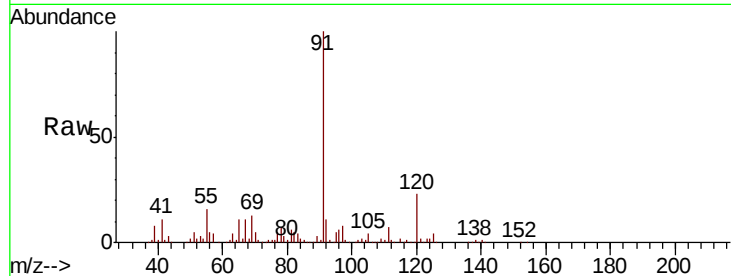
ClientSampleId :

Tot Ion: 75 Resp: 1212

Ion Ratio Lower Upper

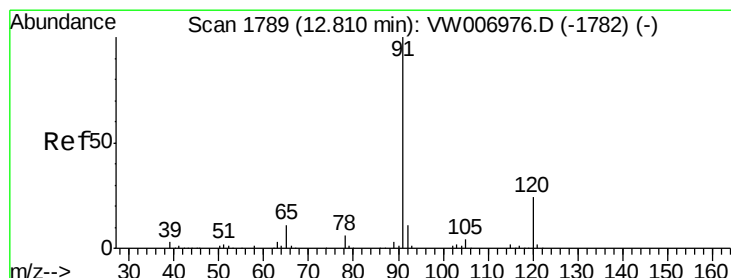
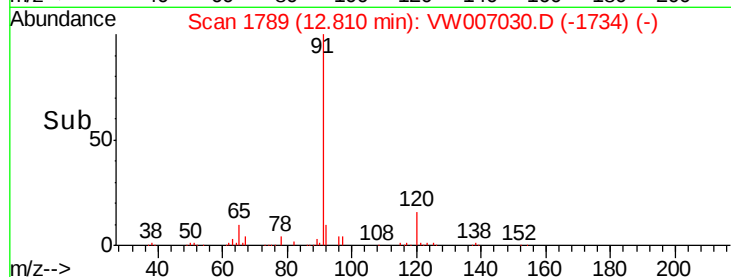
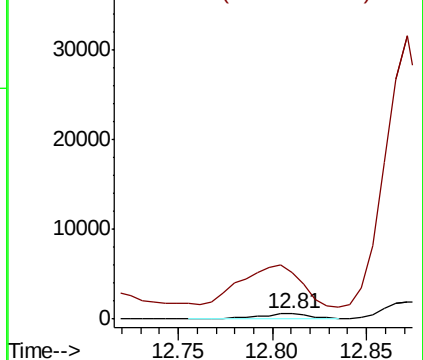
75 100

77 867.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 72.802 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007030.D

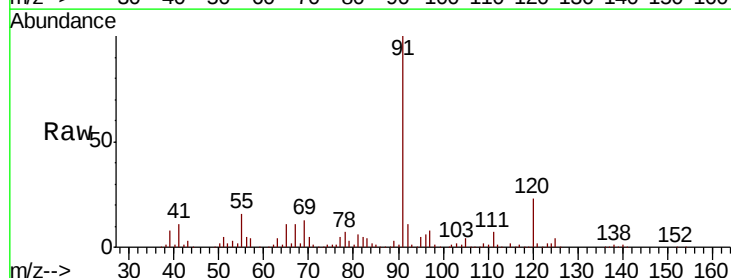
Acq: 22 Nov 2018 06:17

Tgt Ion: 91 Resp: 154639

Ion Ratio Lower Upper

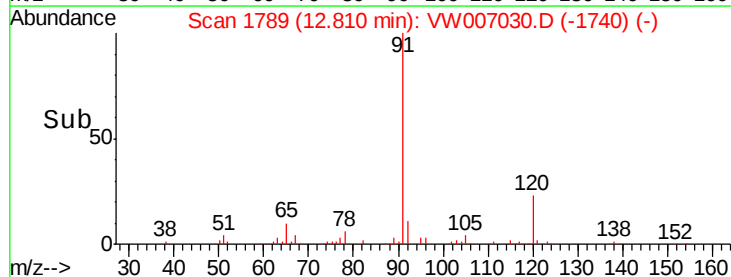
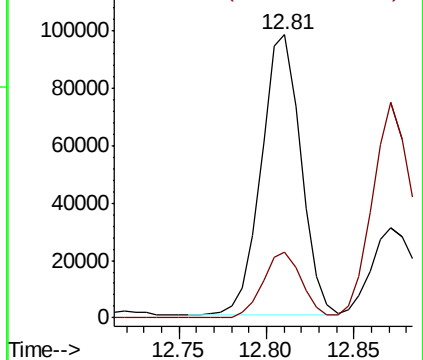
91 100

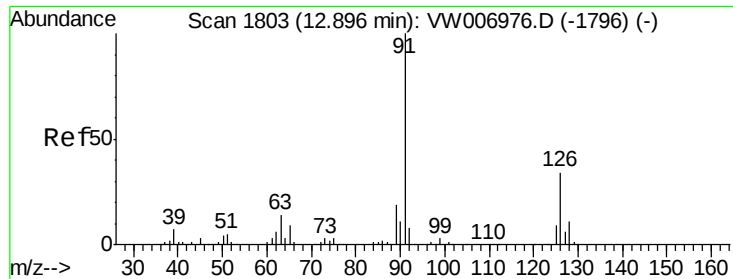
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

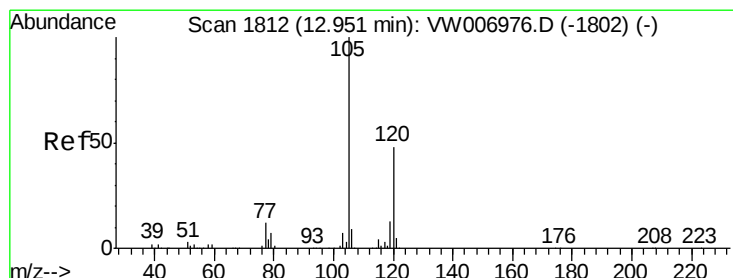
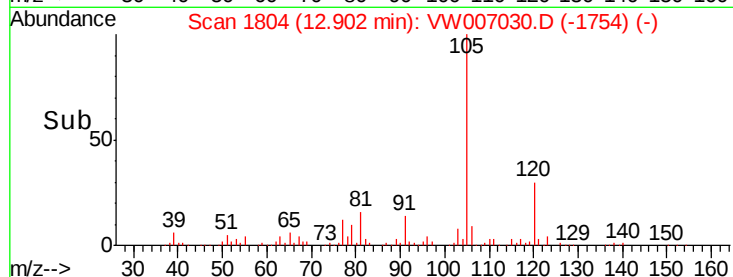
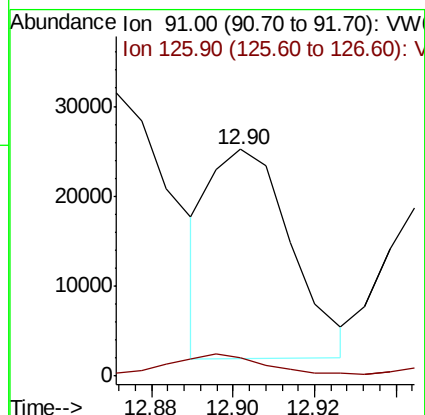
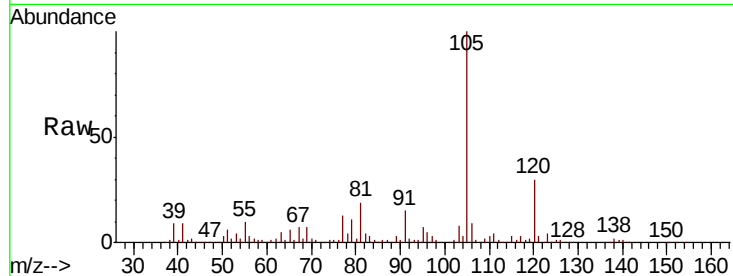




#79
 2-Chlorotoluene
 Concen: 26.371 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

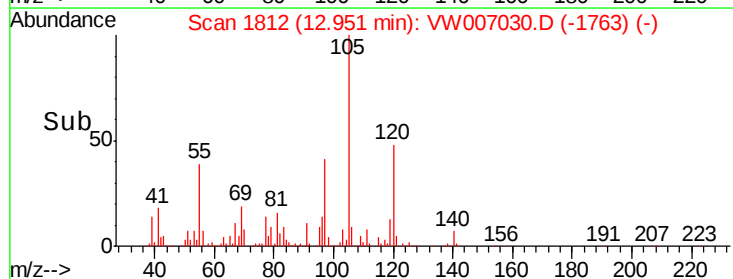
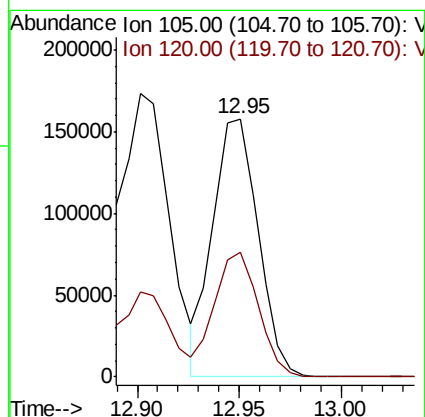
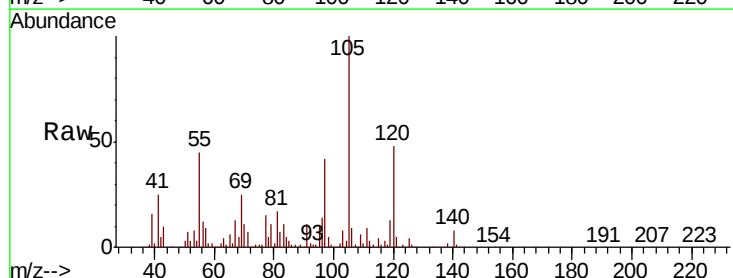
Instrument :
 MSVOA_W
 ClientSampleId :

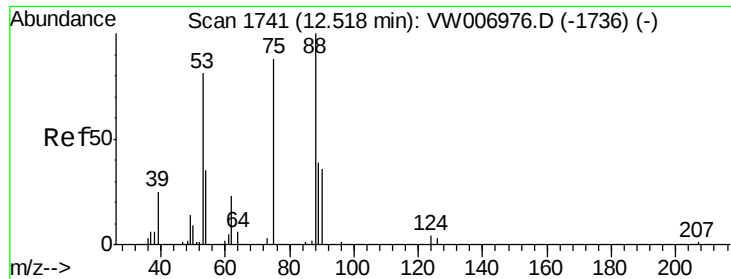
Tot Ion: 91 Resp: 32298
 Ion Ratio Lower Upper
 91 100
 126 10.0 16.7 50.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 160.731 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion:105 Resp: 243733
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 12.886 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

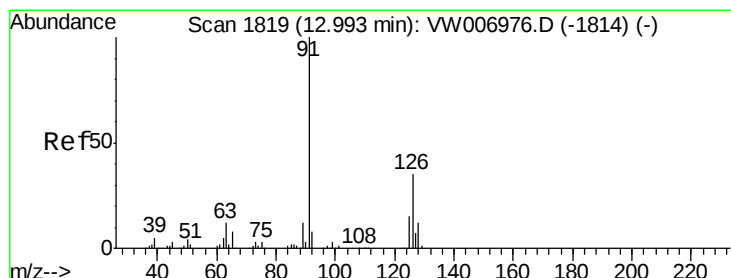
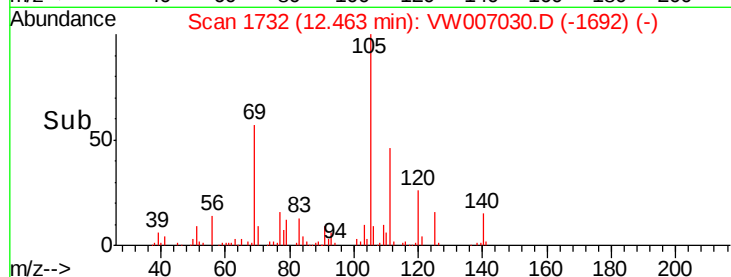
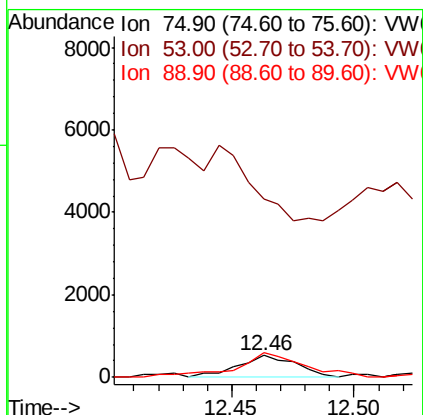
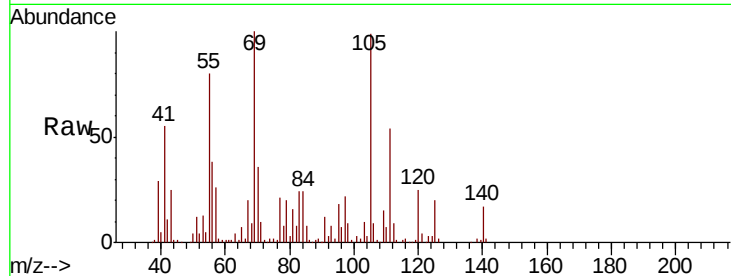
Tot Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 126.5 39.3 58.9#



#82

4-Chlorotoluene

Concen: 19.653 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007030.D

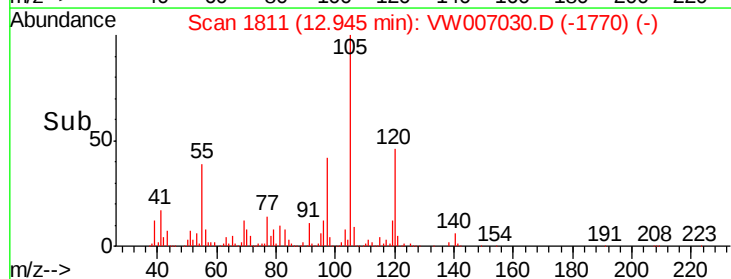
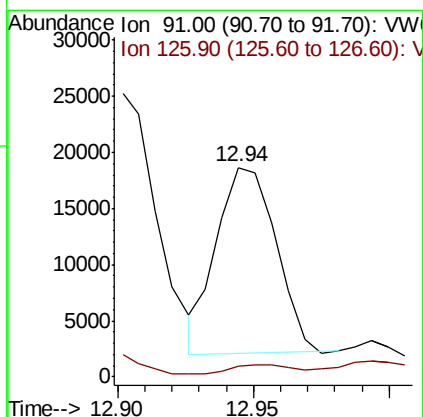
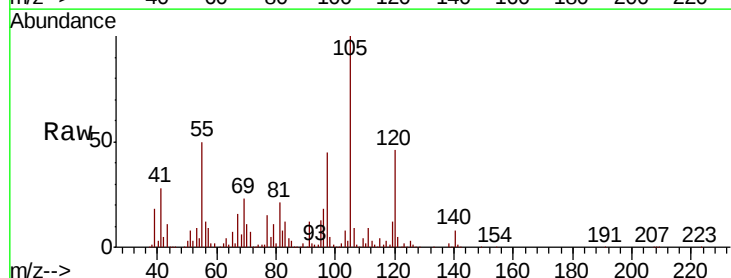
Acq: 22 Nov 2018 06:17

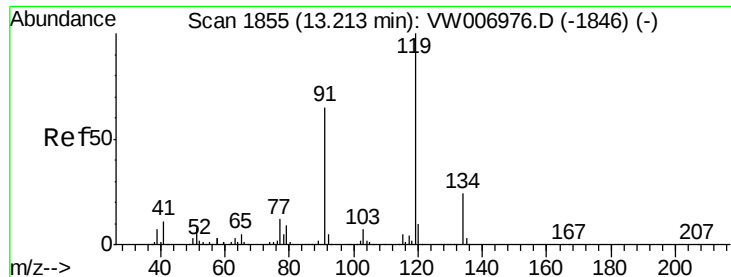
Tgt Ion: 91 Resp: 25259

Ion Ratio Lower Upper

91 100

126 6.3 16.6 49.7#

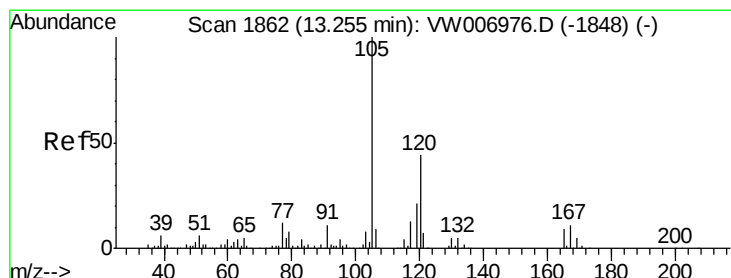
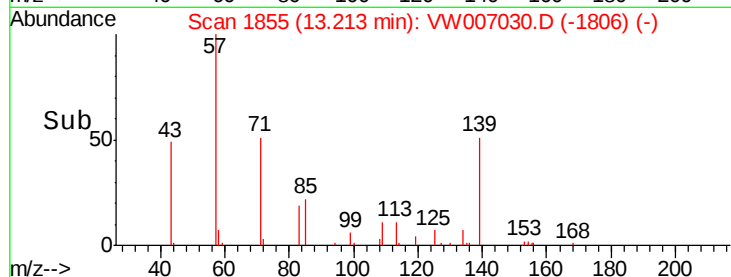
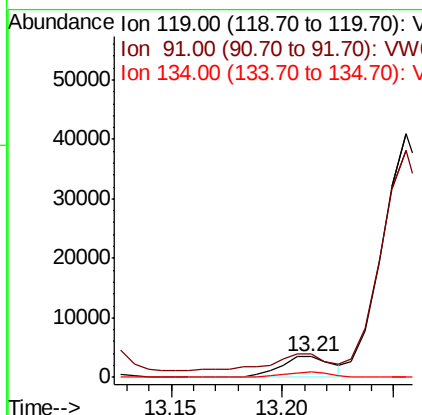
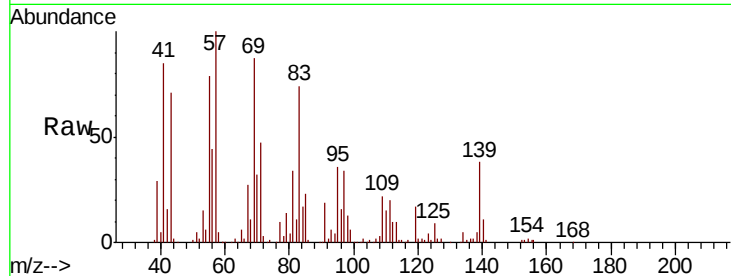




#83
tert-Butylbenzene
Concen: 4.325 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

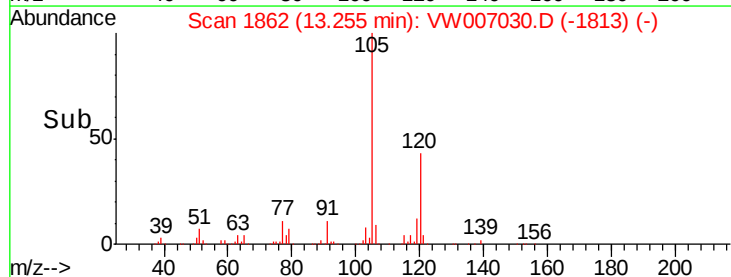
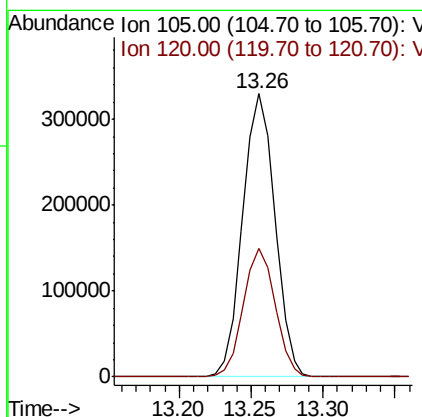
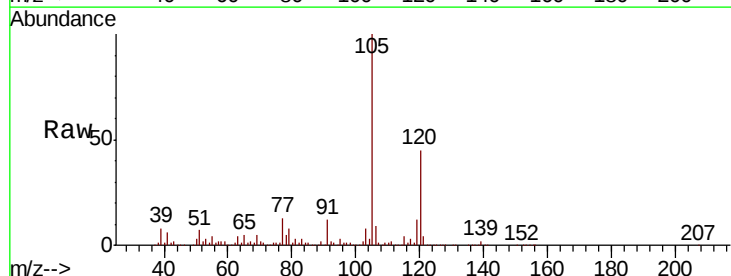
Instrument :
MSVOA_W
ClientSampled :

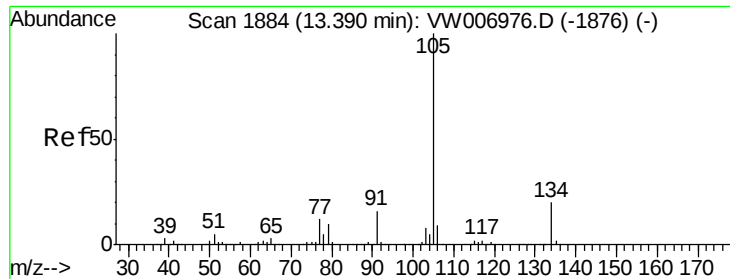
Tot Ion:119 Resp: 5678
Ion Ratio Lower Upper
119 100
91 91.0 33.5 100.5
134 25.1 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 338.973 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007030.D
Acq: 22 Nov 2018 06:17

Tgt Ion:105 Resp: 512120
Ion Ratio Lower Upper
105 100
120 44.9 21.8 65.3

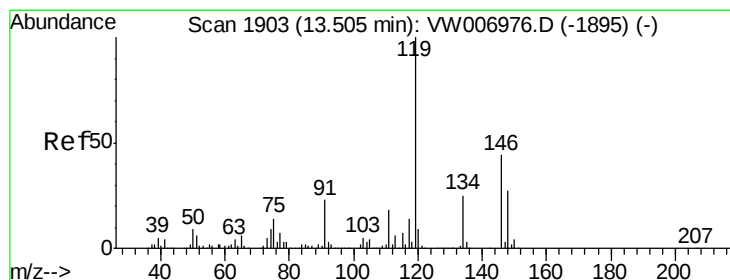
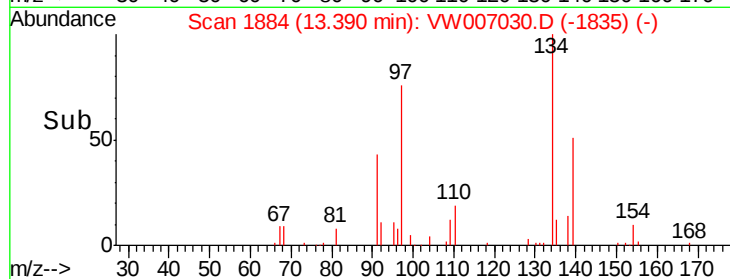
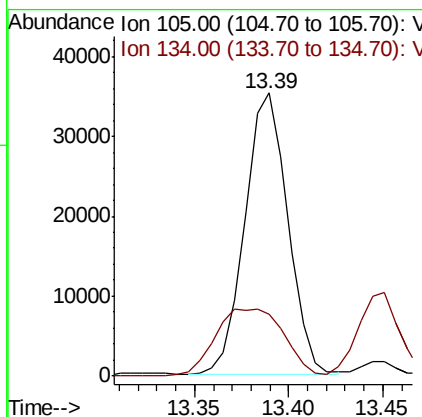
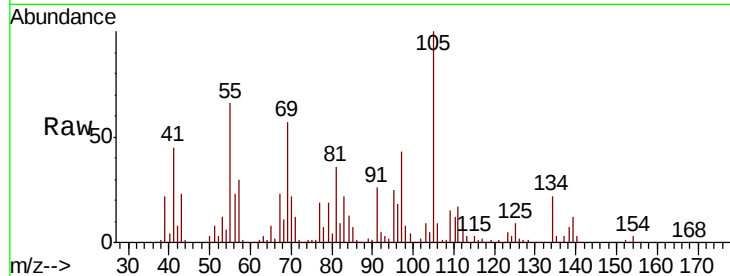




#85
 sec-Butylbenzene
 Concen: 29.959 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

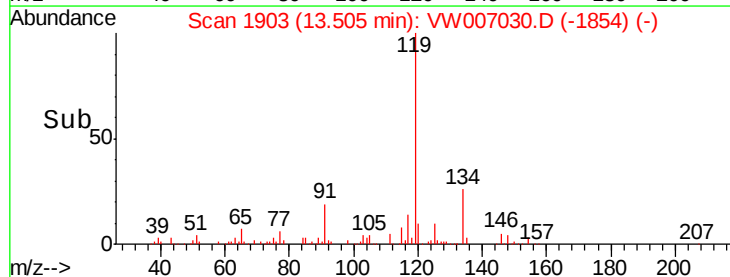
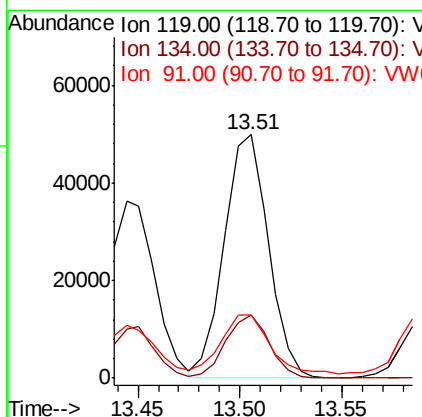
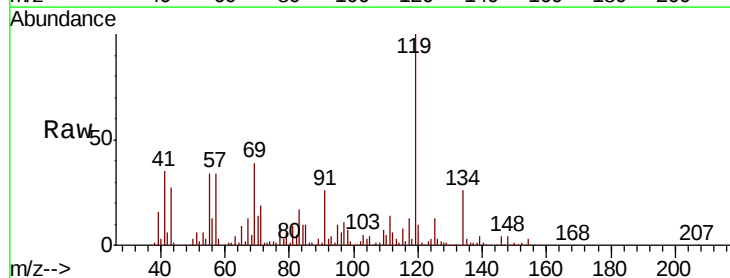
Instrument :
 MSVOA_W
 ClientSampleId :

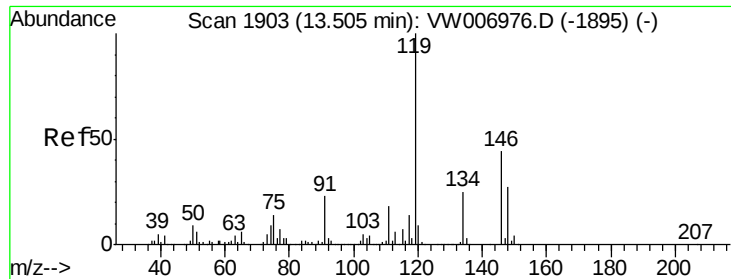
Tot Ion:105 Resp: 55565
 Ion Ratio Lower Upper
 105 100
 134 38.3 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 45.766 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion:119 Resp: 74885
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 25.6 12.2 36.6

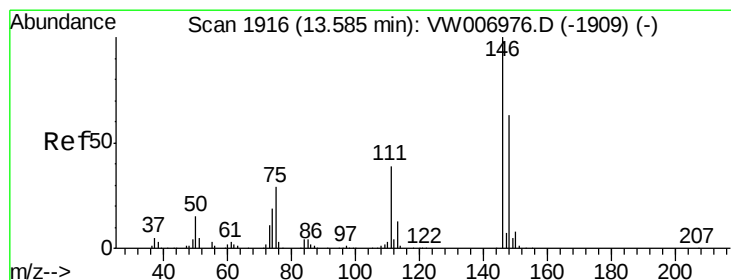
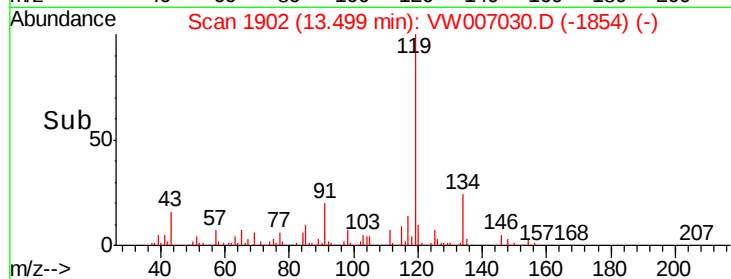
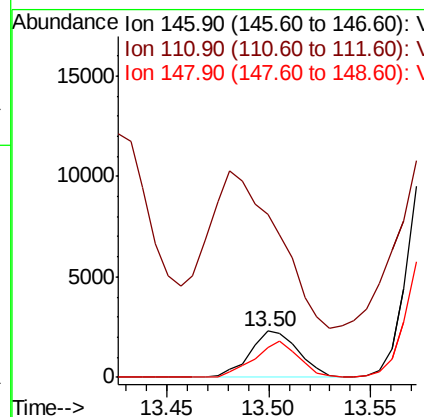
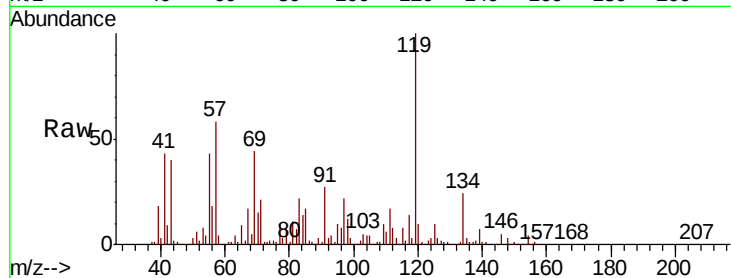




#87
 1,3-Dichlorobenzene
 Concen: 4.928 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

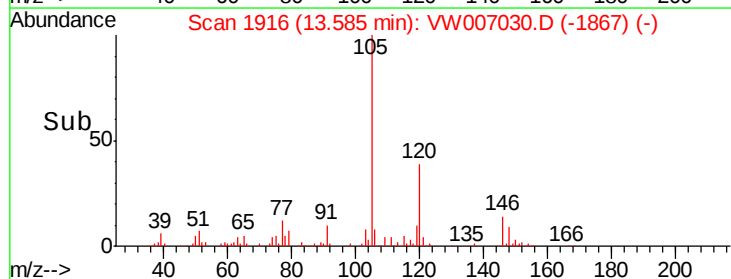
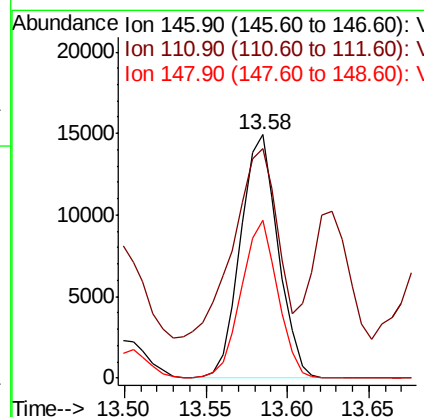
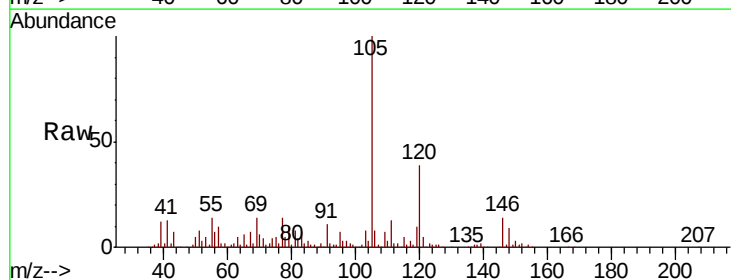
Instrument :
 MSVOA_W
 ClientSampleId :

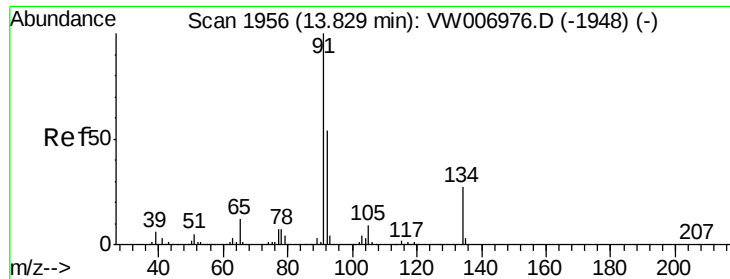
Tot Ion:146 Resp: 3789
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.1 63.3#
 148 72.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 31.265 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion:146 Resp: 23969
 Ion Ratio Lower Upper
 146 100
 111 90.6 20.6 61.8#
 148 62.9 32.3 96.8





#89

n-Butylbenzene

Concen: 37.081 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

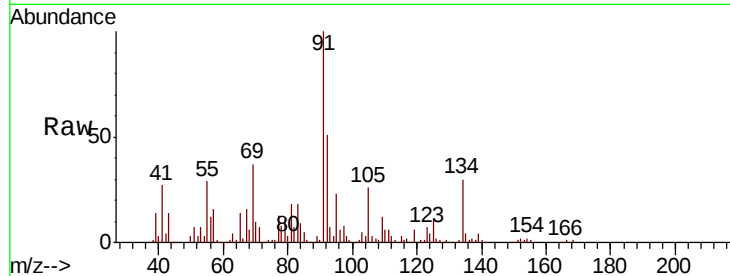
Tot Ion: 91 Resp: 57099

Ion Ratio Lower Upper

91 100

92 62.9 26.8 80.4

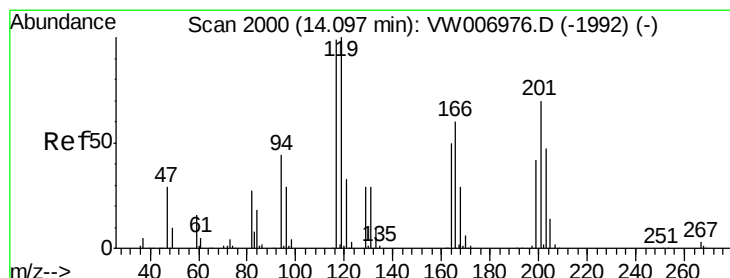
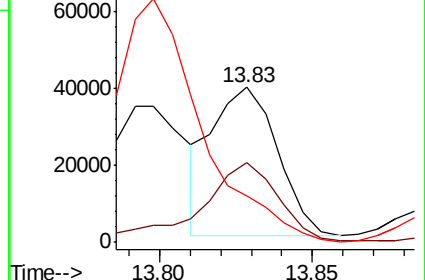
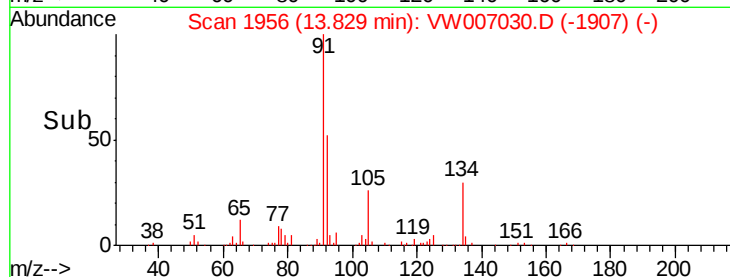
134 0.0 13.3 39.8#



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): VW



#90

Hexachloroethane

Concen: 106.427 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007030.D

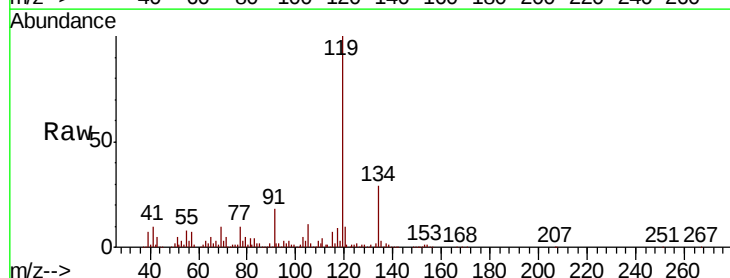
Acq: 22 Nov 2018 06:17

Tgt Ion: 117 Resp: 25424

Ion Ratio Lower Upper

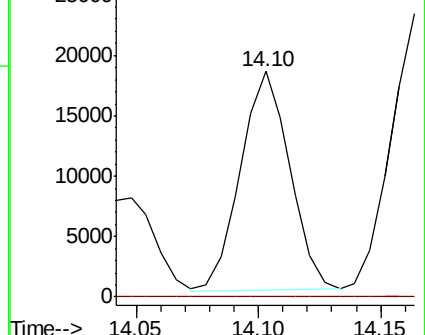
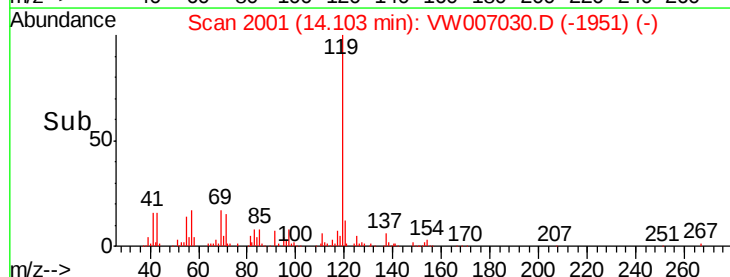
117 100

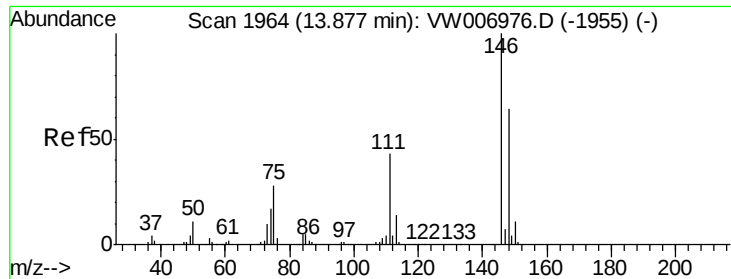
201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 6.318 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

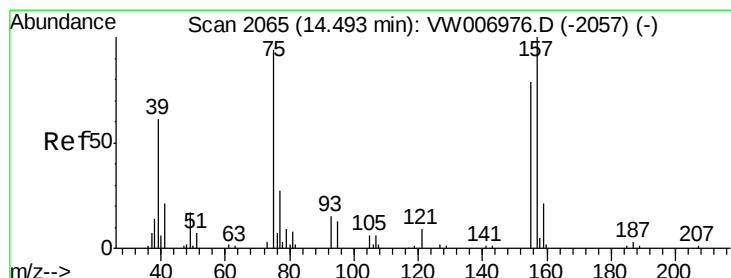
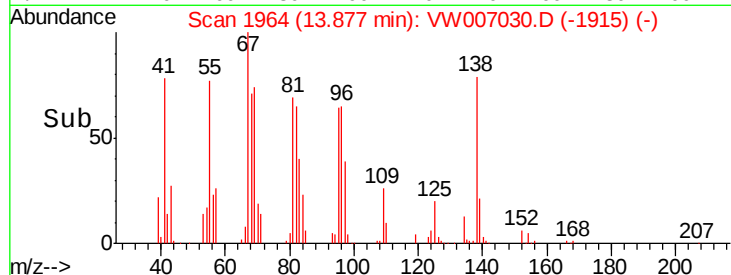
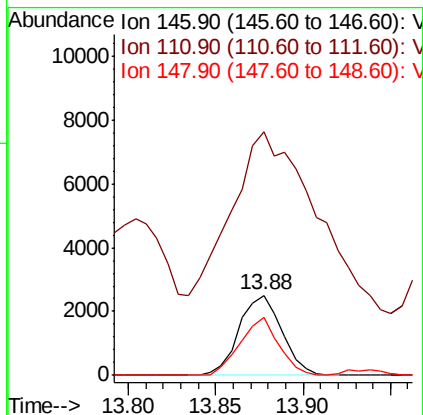
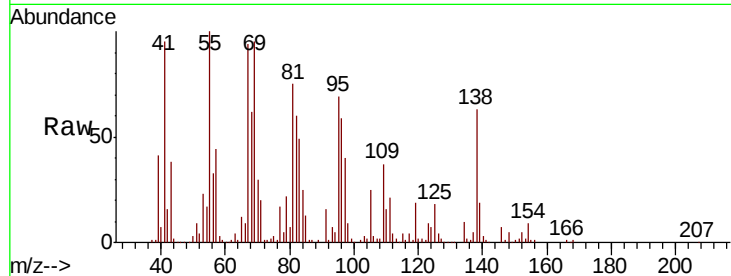
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146 Resp: 4257

Ion	Ratio	Lower	Upper
146	100		
111	471.0	21.9	65.7#
148	64.8	32.2	96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.021 ug/l

RT: 14.51 min Scan# 2067

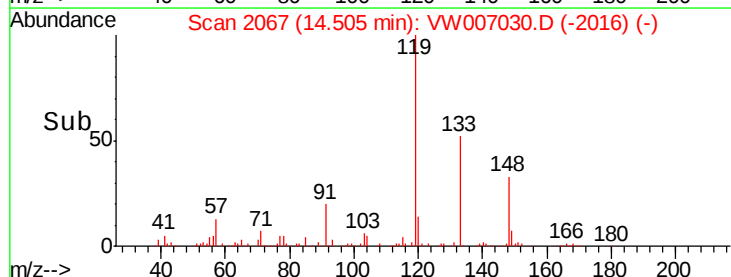
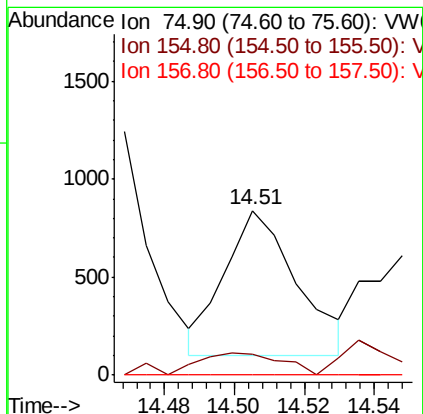
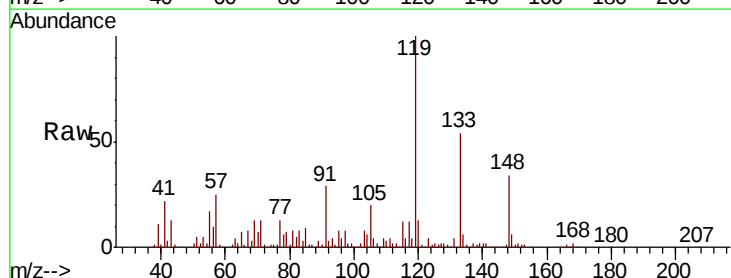
Delta R.T. 0.01 min

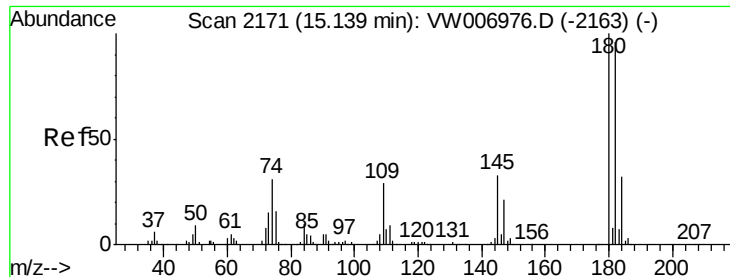
Lab File: VW007030.D

Acq: 22 Nov 2018 06:17

Tgt Ion: 75 Resp: 1065

Ion	Ratio	Lower	Upper
75	100		
155	17.3	42.6	127.8#
157	0.0	55.0	165.0#

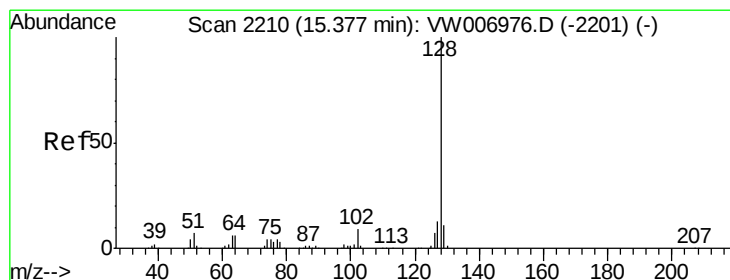
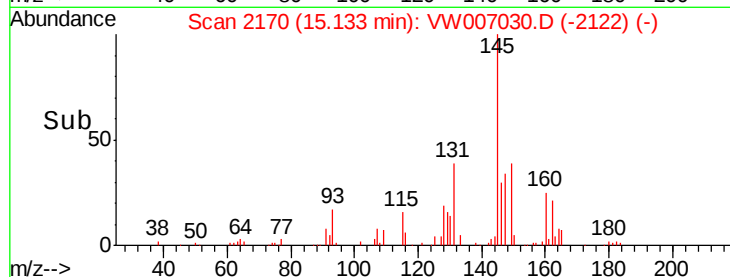
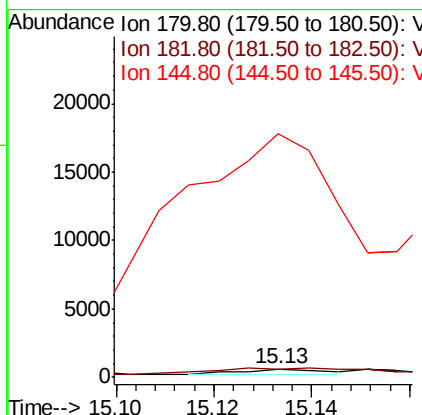
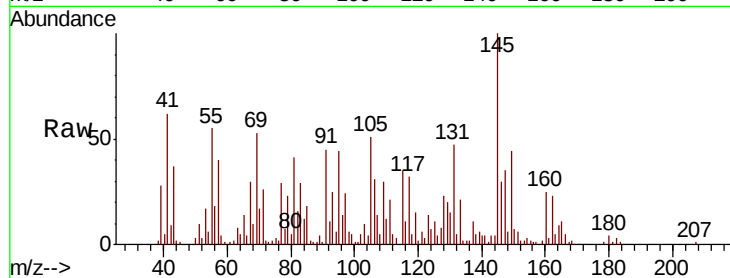




#93
 1,2,4-Trichlorobenzene
 Concen: 1.053 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

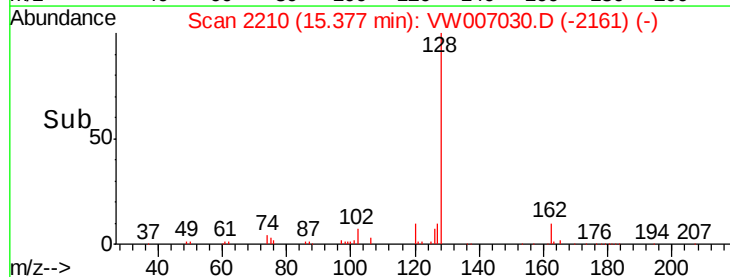
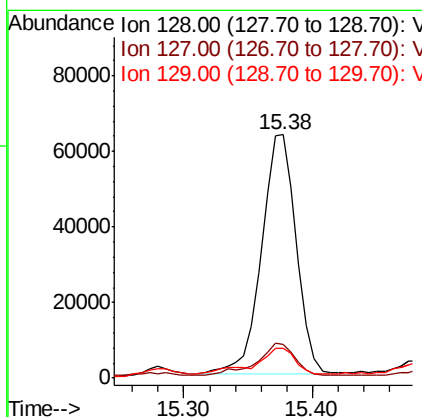
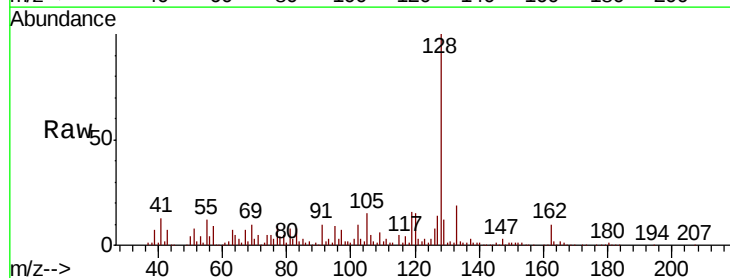
Instrument :
 MSVOA_W
 ClientSampled :

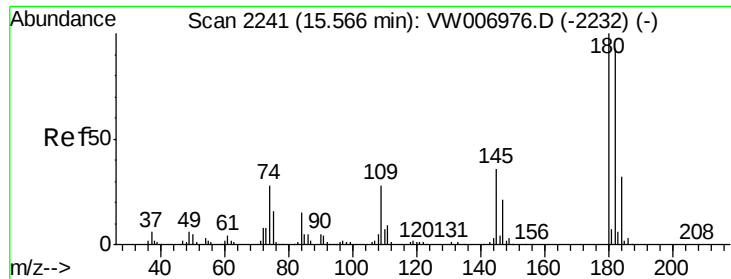
Tot Ion:180 Resp: 468
 Ion Ratio Lower Upper
 180 100
 182 274.6 47.1 141.3#
 145 9582.9 16.5 49.5#



#95
 Naphthalene
 Concen: 145.808 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Tgt Ion:128 Resp: 117588
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.5 15.7
 129 12.5 8.7 13.1

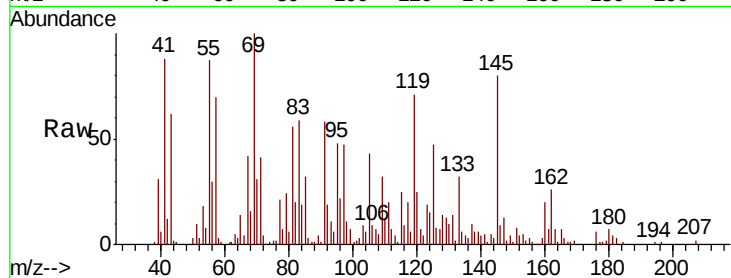




#96
 1,2,3-Trichlorobenzene
 Concen: 2.184 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: VW007030.D
 Acq: 22 Nov 2018 06:17

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.0	141.2#
145	0.0	18.0	54.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

