

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111218\
 Data File : VW006841.D
 Acq On : 13 Nov 2018 07:51
 Operator : SY/AP
 Sample : J5860-17
 Misc : 4.09G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 10:59:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	173645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	238358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.68	152	108681	50.00	ug/l	0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	70922	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	7.89	113	66119	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	10.33	98	238084	40.47	ug/l	0.00
Spiked Amount			Recovery	=	80.94%	
62) 4-Bromofluorobenzene	12.62	95	594962	274.58	ug/l	0.00
Spiked Amount			Recovery	=	549.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	5063	7.535	ug/l #	51
11) Tert butyl alcohol	5.20	59	1598	19.178	ug/l #	72
13) Acrolein	3.91	56	453	5.198	ug/l #	15
14) Allyl chloride	4.76	41	5369	3.112	ug/l #	71
15) Acrylonitrile	5.44	53	2651	10.417	ug/l #	38
16) Acetone	4.14	43	166077	910.995	ug/l	97
17) Carbon Disulfide	4.39	76	9320	2.247	ug/l #	93
18) Methyl Acetate	4.70	43	1442	2.312	ug/l #	47
20) Methylene Chloride	4.93	84	14090	3.673	ug/l	91
25) 2-Butanone	7.18	43	86871	281.770	ug/l	91
29) Tetrahydrofuran	7.54	42	954	4.835	ug/l #	41
31) Cyclohexane	7.95	56	186611	76.723	ug/l	88
36) 1,1-Dichloropropene	7.95	75	10311	4.623	ug/l #	65
37) Ethyl Acetate	7.18	43	86871	119.102	ug/l #	66
38) Carbon Tetrachloride	7.95	117	14952	6.167	ug/l #	15
39) Methylcyclohexane	9.34	83	958121	331.081	ug/l	91
40) Benzene	8.33	78	221464	35.706	ug/l	100
41) Methacrylonitrile	7.53	41	4352	9.718	ug/l #	46
42) 1,2-Dichloroethane	8.40	62	3777	2.273	ug/l #	73
43) Isopropyl Acetate	8.43	43	76678	54.054	ug/l #	48
45) 1,2-Dichloropropane	9.39	63	1764	1.220	ug/l #	1
47) Bromodichloromethane	9.63	83	80435	40.300	ug/l #	26
48) Methyl methacrylate	9.47	41	94219	135.474	ug/l #	22
51) 4-Methyl-2-Pentanone	10.26	43	252690	355.255	ug/l #	79
52) Toluene	10.39	92	476145	108.284	ug/l	97
55) 1,1,2-Trichloroethane	10.82	97	29741	24.908	ug/l #	28
56) Ethyl methacrylate	10.67	69	104620	79.947	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.90	63	8447	12.888	ug/l #	43
59) 2-Hexanone	10.94	43	455283	927.969	ug/l #	29
61) 1,2-Dibromoethane	11.21	107	4493	3.962	ug/l #	1
65) Chlorobenzene	11.77	112	48972	22.623	ug/l #	43
67) Ethyl Benzene	11.74	91	2034633	551.345	ug/l	98
68) m/p-Xylenes	11.84	106	832366	551.274	ug/l	99
69) o-Xylene	12.17	106	664641	472.975	ug/l	90

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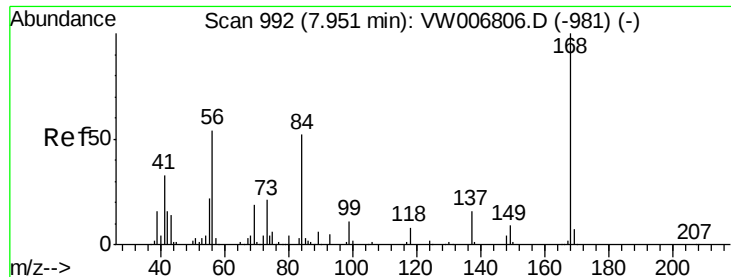
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 10:59:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

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

70) Styrene	12.18	104	58966	26.217	ug/l #	1
73) Isopropylbenzene	12.47	105	811614	107.585	ug/l	98
74) N-amyl acetate	12.26	43	3645635	3196.047	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.70	83	374434	358.795	ug/l #	18
76) 1,2,3-Trichloropropane	12.81	75	13459	17.184	ug/l #	100
77) Bromobenzene	12.71	156	11789	6.198	ug/l #	1
78) n-propylbenzene	12.81	91	2086799	234.376	ug/l	99
79) 2-Chlorotoluene	12.95	91	254713	50.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1965729	303.108	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.47	75	9528	30.091	ug/l #	1
82) 4-Chlorotoluene	12.95	91	259516	48.692	ug/l	100
83) tert-Butylbenzene	13.21	119	163190	28.467	ug/l	72
84) 1,2,4-Trimethylbenzene	13.26	105	9137231	1384.461	ug/l	95
85) sec-Butylbenzene	13.39	105	1181675	145.468	ug/l #	66
86) p-Isopropyltoluene	13.51	119	1525879	206.511	ug/l	100
89) n-Butylbenzene	13.83	91	1413294	209.297	ug/l #	69
90) Hexachloroethane	14.11	117	357830	302.656	ug/l #	3
91) 1,2-Dichlorobenzene	13.88	146	9594	2.842	ug/l #	71
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4710	28.191	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.14	180	3610	1.416	ug/l #	1
95) Naphthalene	15.38	128	643202	168.739	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.58	180	3014	1.378	ug/l #	12

(#) = 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: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

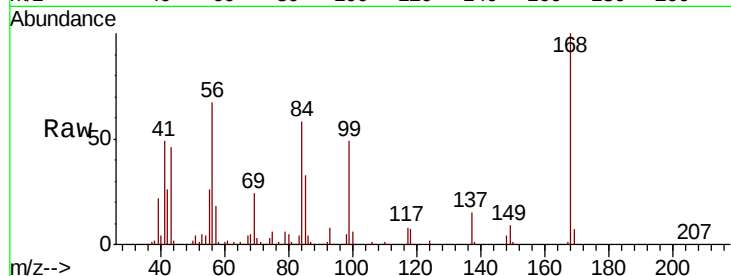
ClientSampleId :

Tot Ion:168 Resp: 173645

Ion Ratio Lower Upper

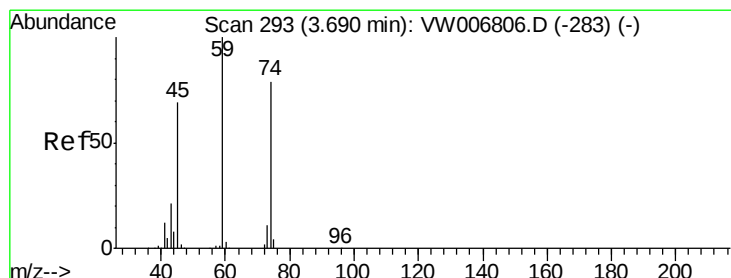
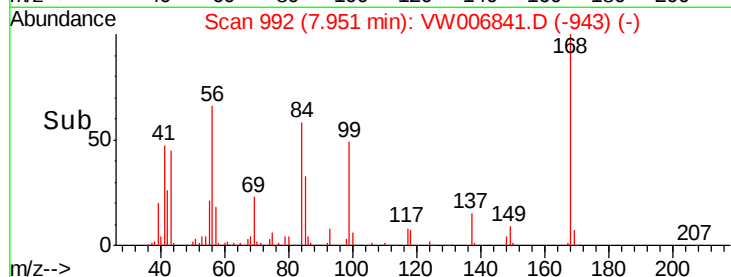
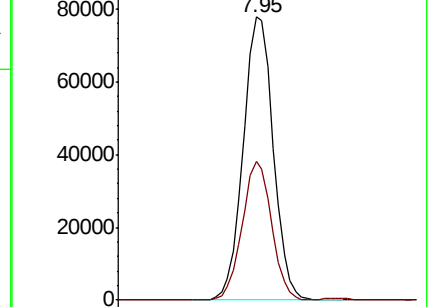
168 100

99 48.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 7.535 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006841.D

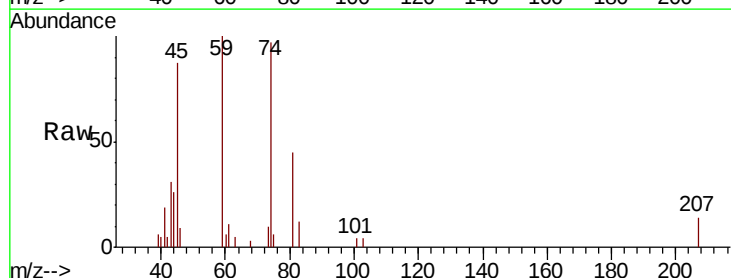
Acq: 13 Nov 2018 07:51

Tgt Ion: 74 Resp: 5063

Ion Ratio Lower Upper

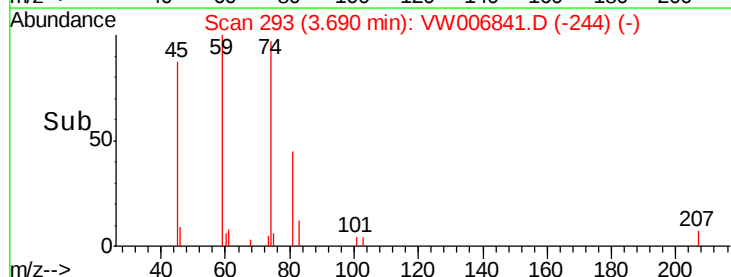
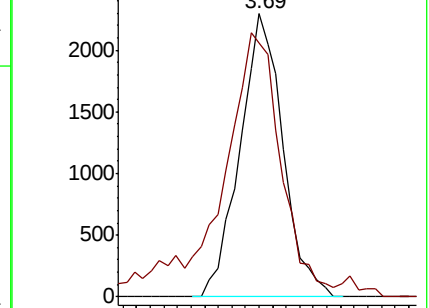
74 100

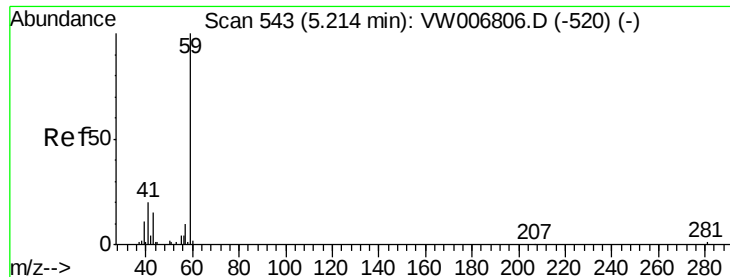
45 131.6 43.1 129.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

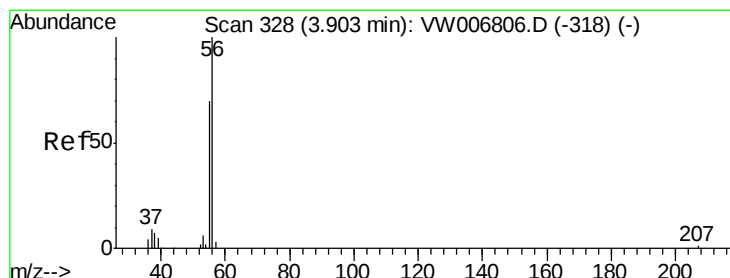
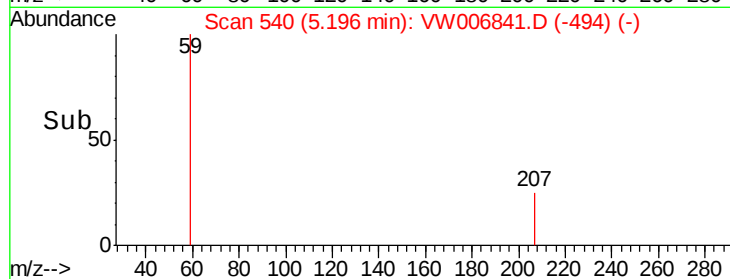
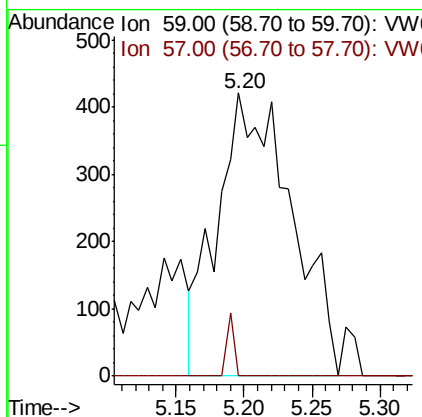
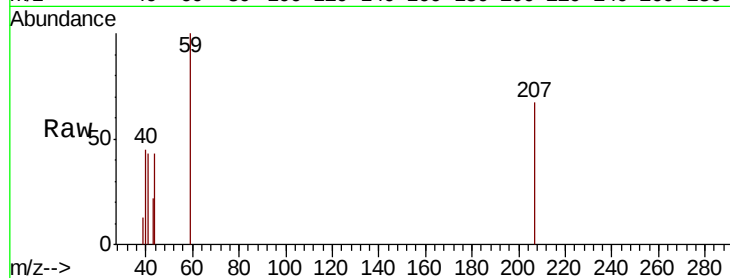




#11
Tert butyl alcohol
Concen: 19.178 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

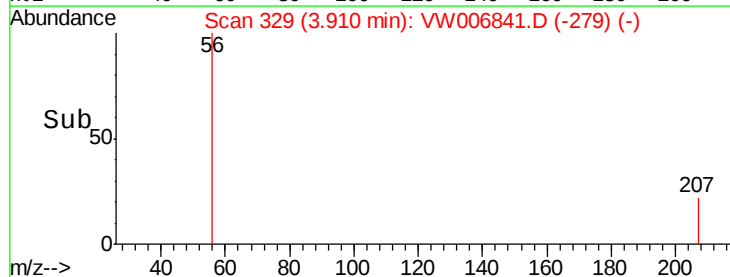
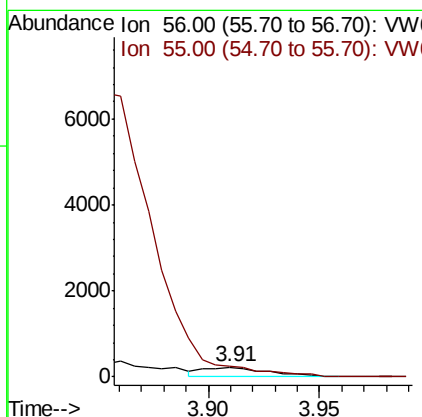
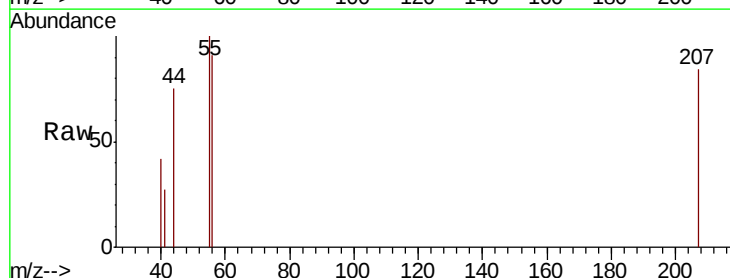
Instrument :
MSVOA_W
ClientSampled :

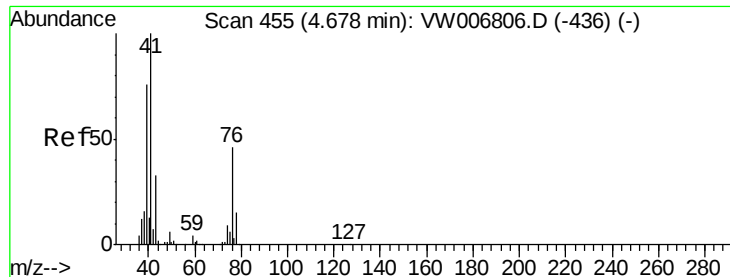
Tot Ion: 59 Resp: 1598
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 5.198 ug/l
RT: 3.91 min Scan# 329
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#





#14

Allvl chloride

Concen: 3.112 ug/l

RT: 4.76 min Scan# 469

Delta R.T. 0.09 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

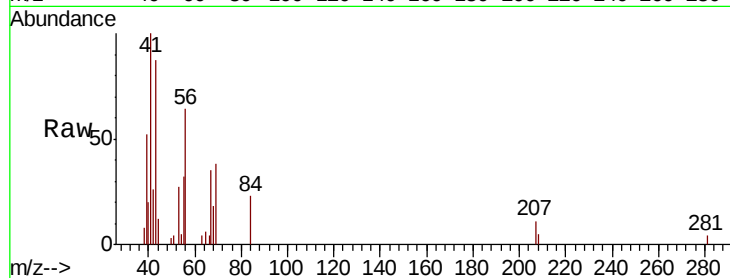
Tot Ion: 41 Resp: 5369

Ion Ratio Lower Upper

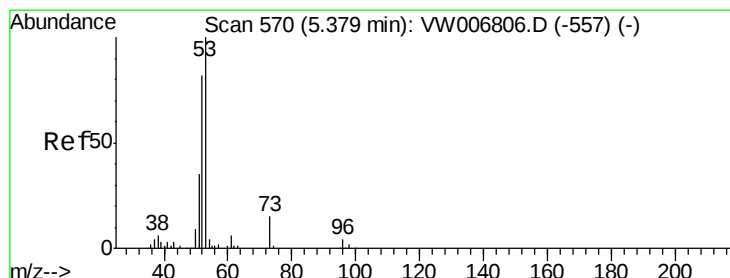
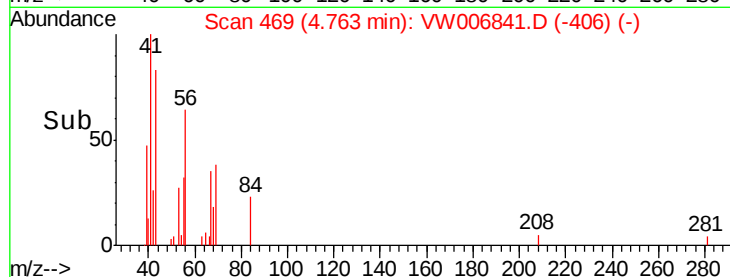
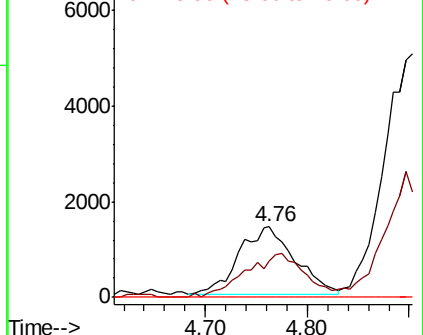
41 100

39 68.0 58.9 88.3

76 0.0 34.4 51.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 10.417 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

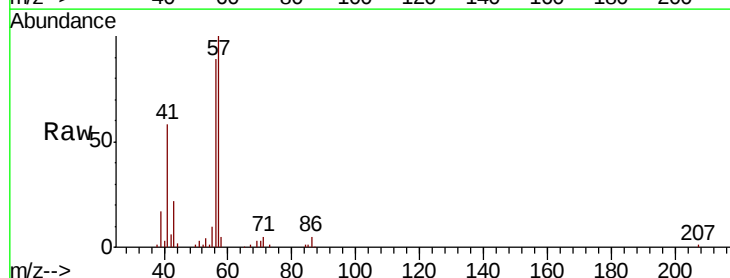
Tgt Ion: 53 Resp: 2651

Ion Ratio Lower Upper

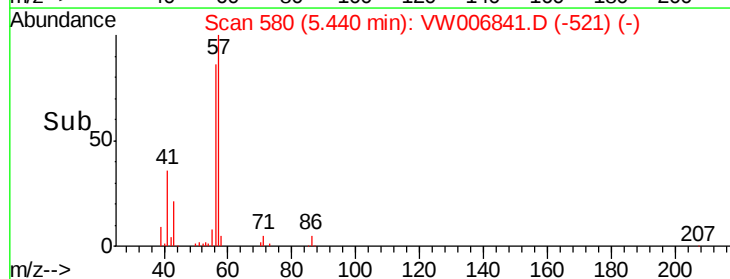
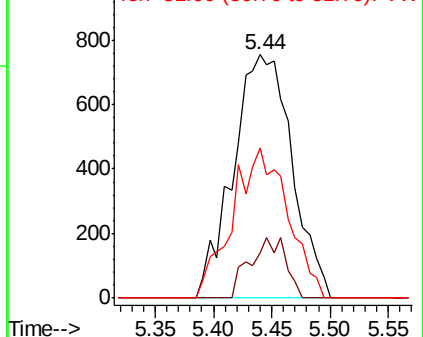
53 100

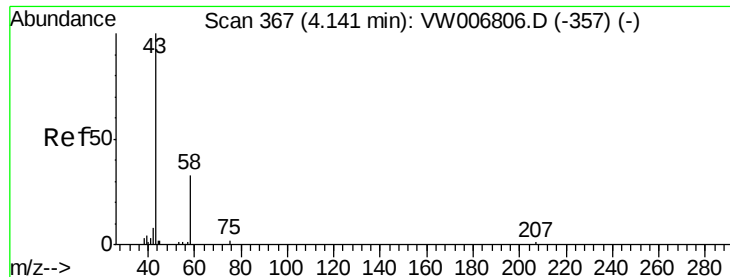
52 15.2 65.2 97.8#

51 57.9 30.0 45.0#



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 910.995 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

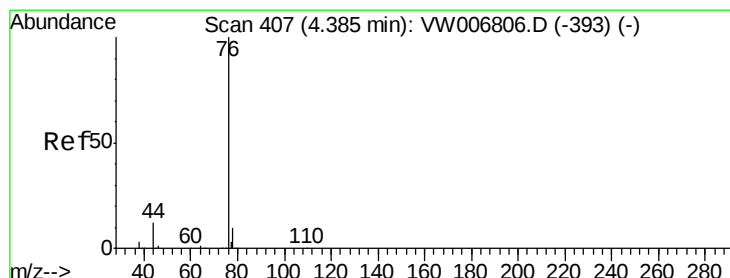
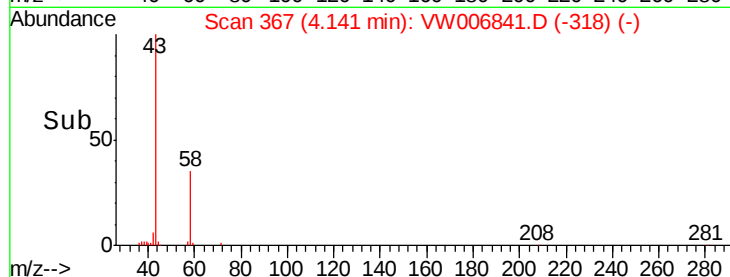
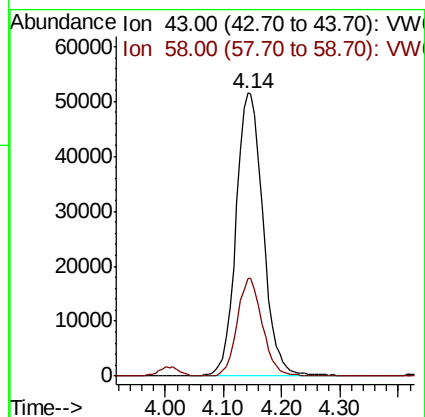
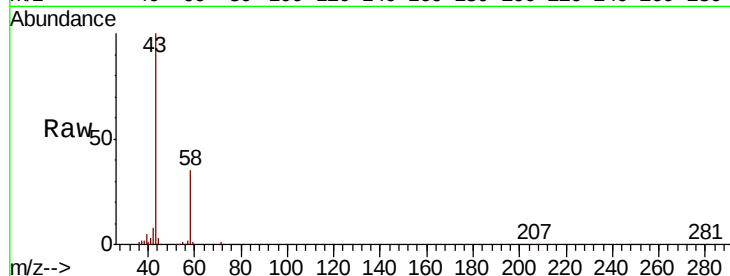
ClientSampled :

Tot Ion: 43 Resp: 166077

Ion Ratio Lower Upper

43 100

58 34.6 26.5 39.7



#17

Carbon Disulfide

Concen: 2.247 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006841.D

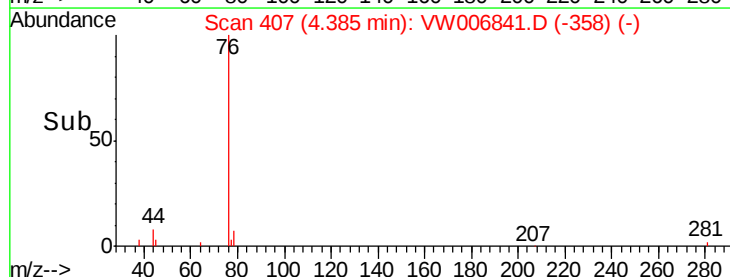
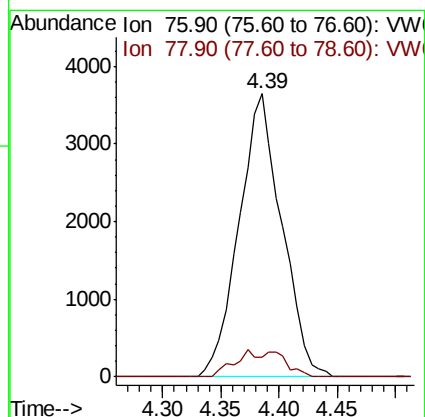
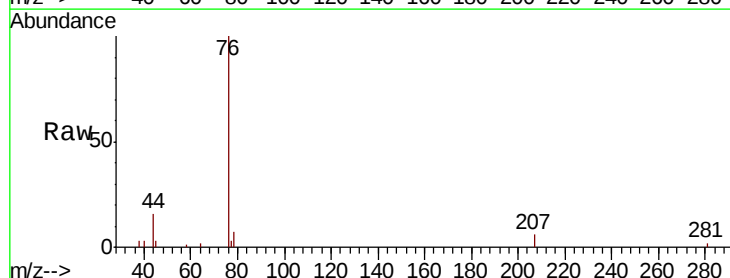
Acq: 13 Nov 2018 07:51

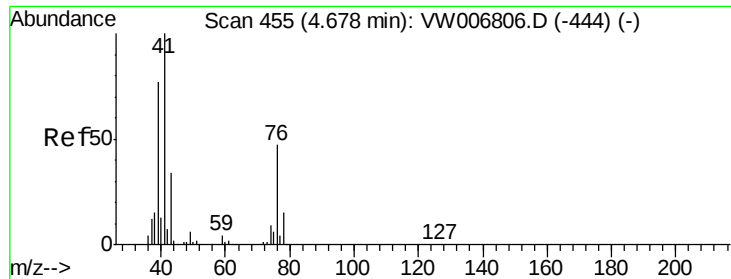
Tgt Ion: 76 Resp: 9320

Ion Ratio Lower Upper

76 100

78 7.0 7.6 11.4#

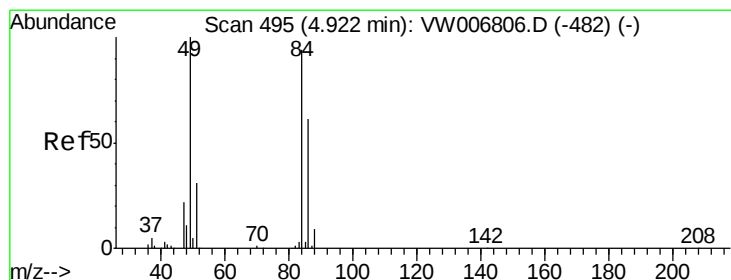
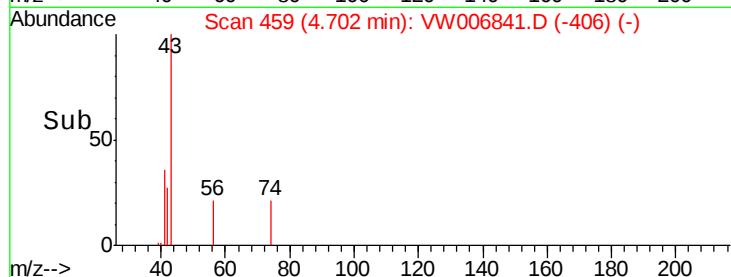
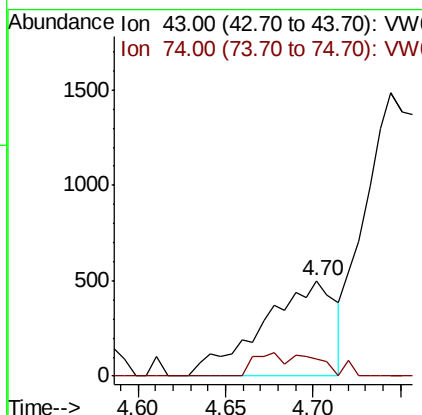
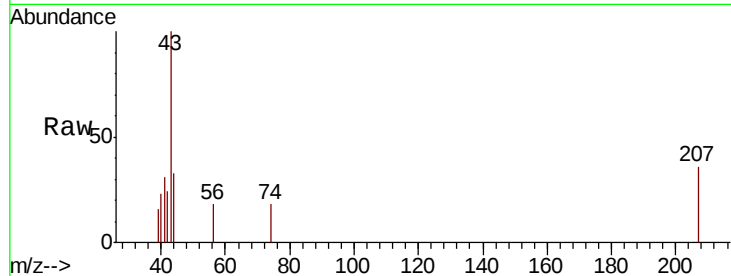




#18
Methyl Acetate
Concen: 2.312 ug/l
RT: 4.70 min Scan# 459
Delta R.T. 0.02 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

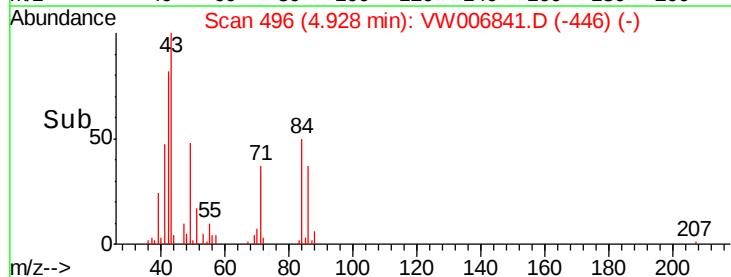
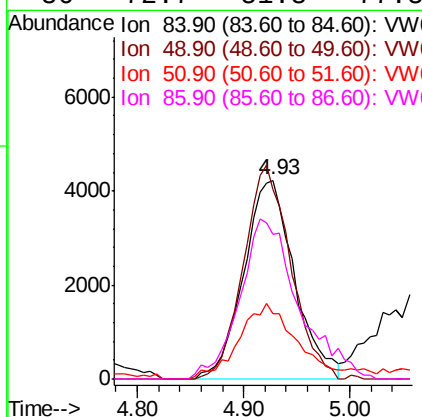
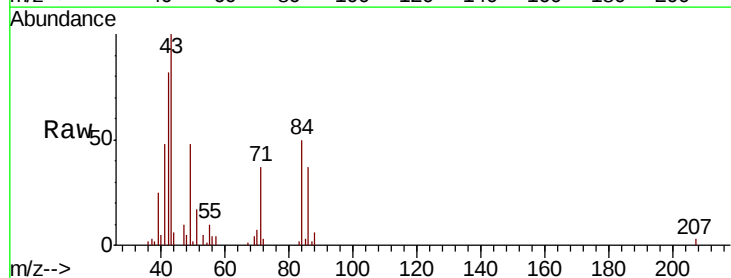
Instrument :
MSVOA_W
ClientSampled :

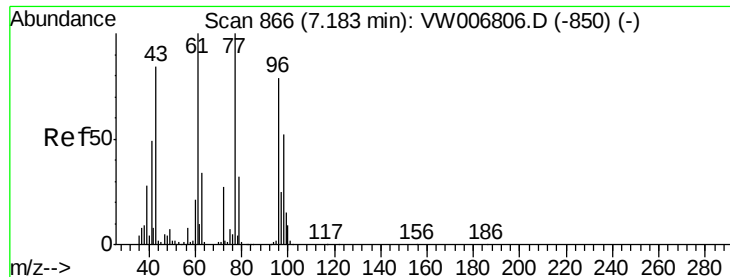
Tot Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 3.673 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 84 Resp: 14090
Ion Ratio Lower Upper
84 100
49 95.2 84.8 127.2
51 33.0 26.2 39.4
86 72.7 51.8 77.8

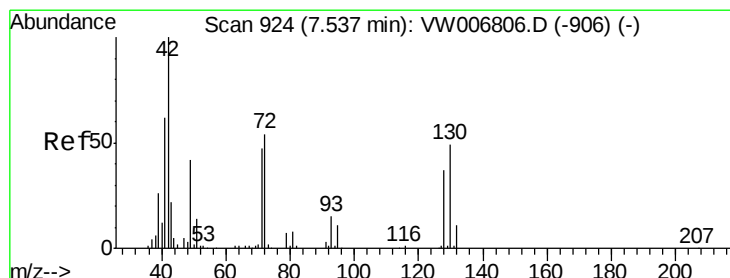
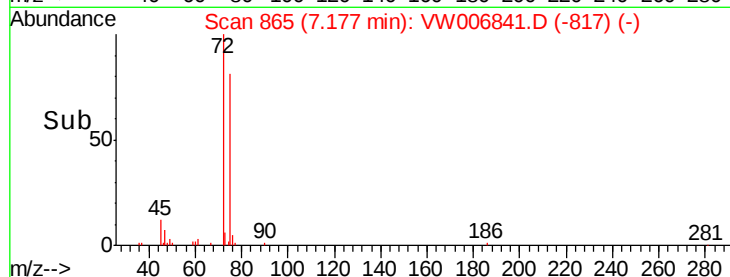
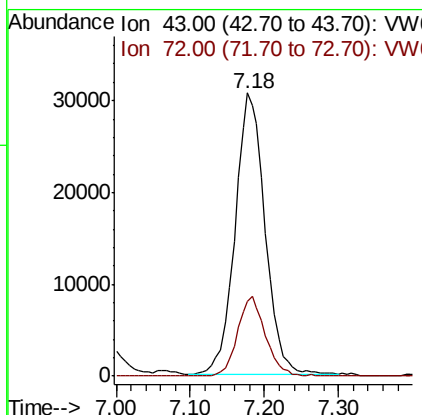
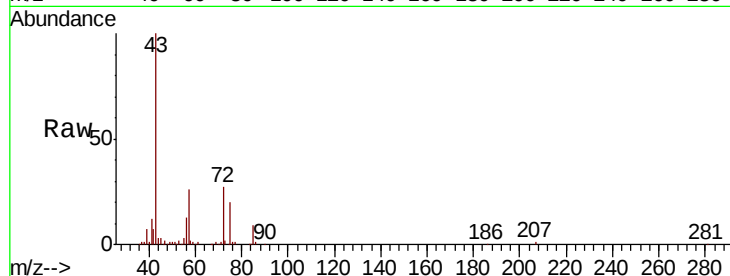




#25
2-Butanone
Concen: 281.770 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

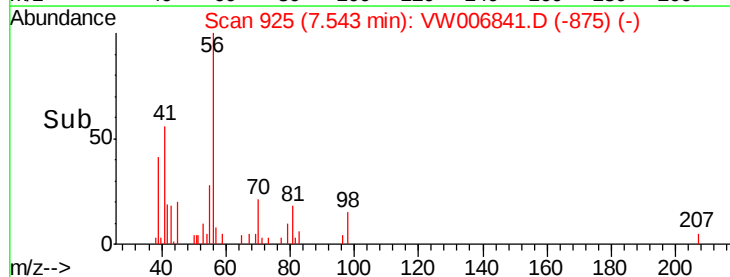
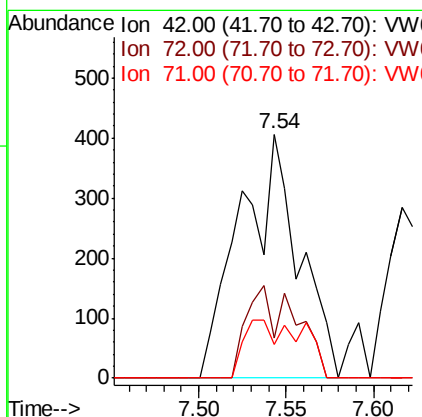
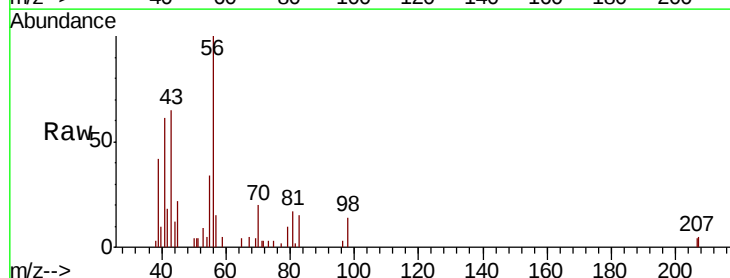
Instrument :
MSVOA_W
ClientSampleId :

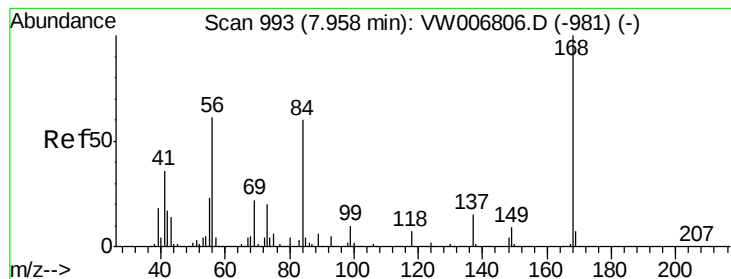
Tot Ion: 43 Resp: 86871
Ion Ratio Lower Upper
43 100
72 26.7 25.3 37.9



#29
Tetrahydrofuran
Concen: 4.835 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 42 Resp: 954
Ion Ratio Lower Upper
42 100
72 16.7 40.9 61.3#
71 0.0 36.9 55.3#





#31

Cyclohexane

Concen: 76.723 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampled :

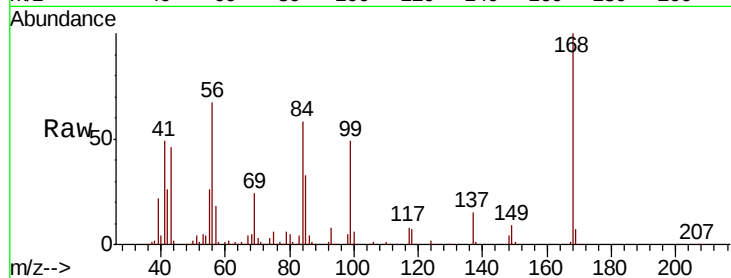
Tot Ion: 56 Resp: 186611

Ion Ratio Lower Upper

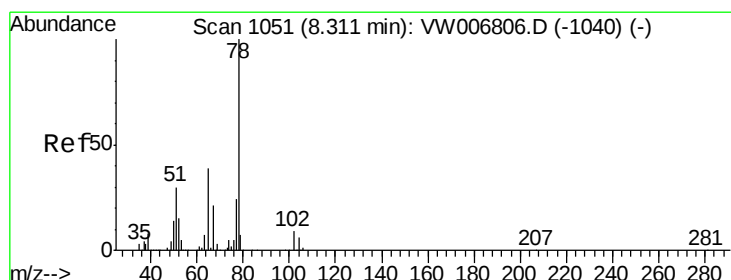
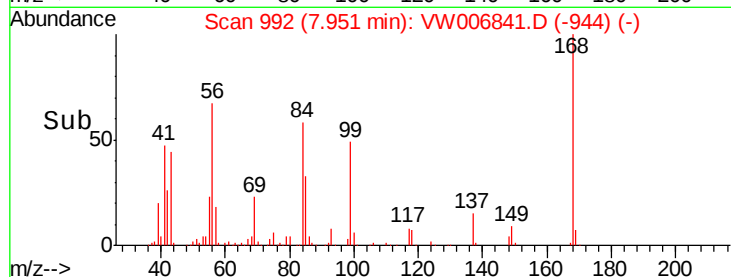
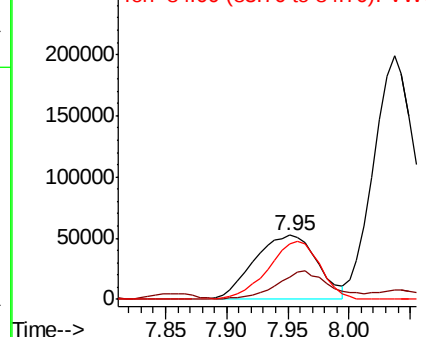
56 100

69 29.9 28.9 43.3

84 86.9 79.0 118.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.871 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006841.D

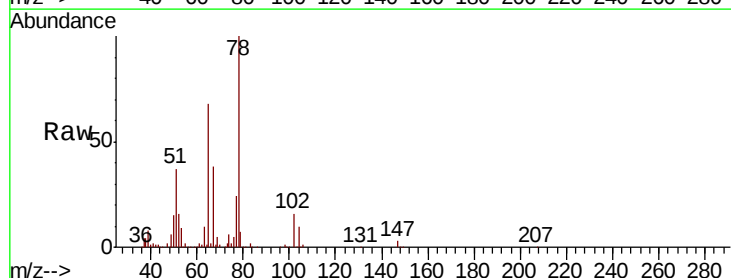
Acq: 13 Nov 2018 07:51

Tgt Ion: 65 Resp: 70922

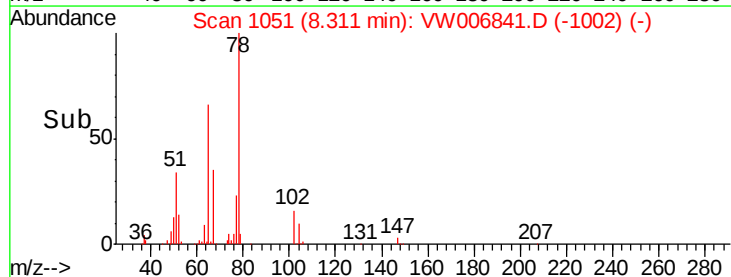
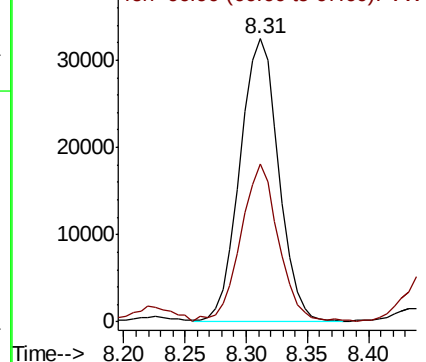
Ion Ratio Lower Upper

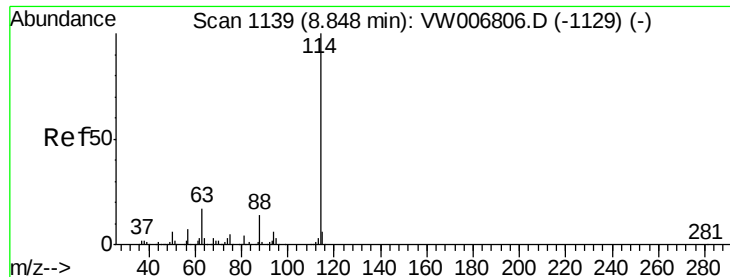
65 100

67 55.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

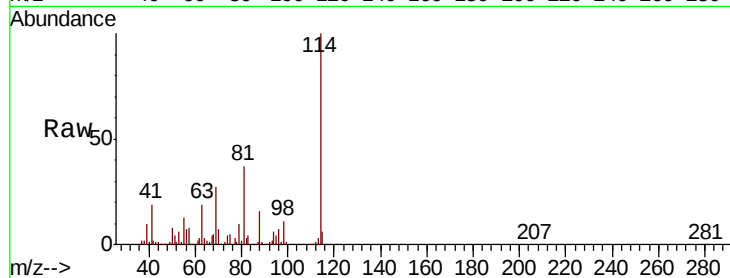




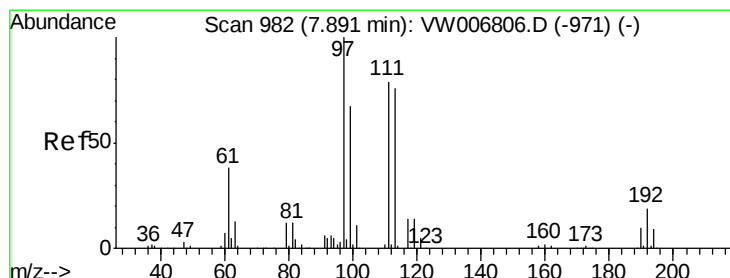
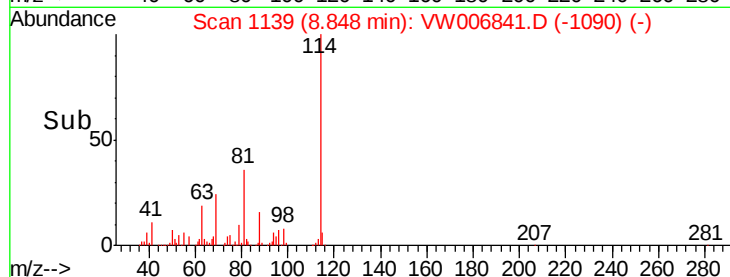
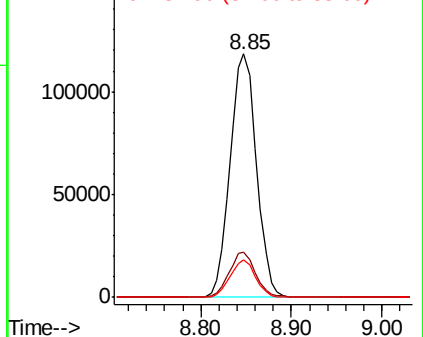
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	33.6
88	15.7	0.0	28.4

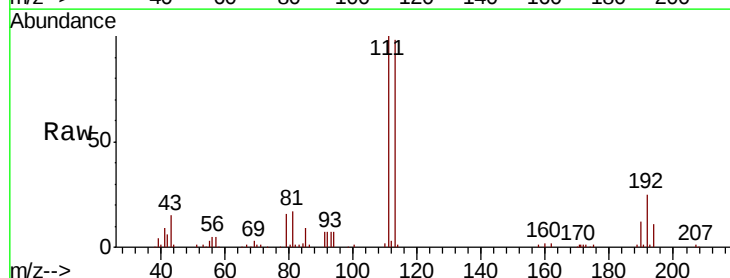


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

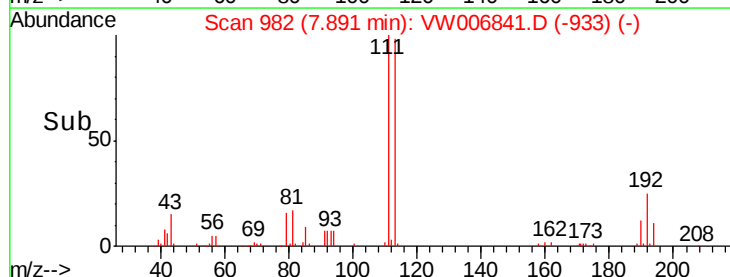
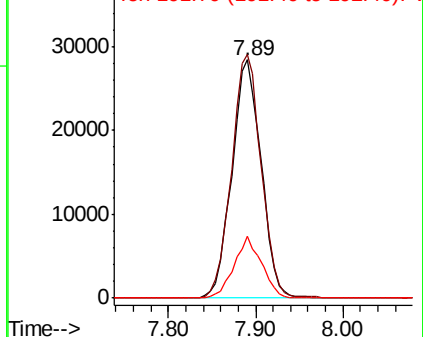


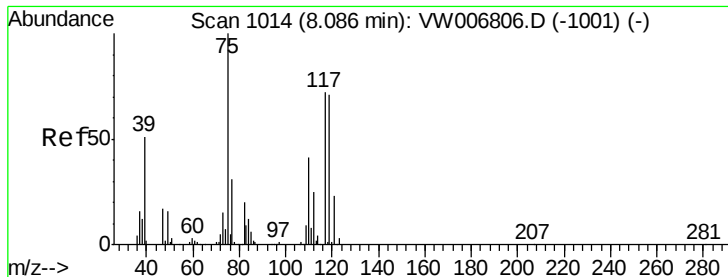
#35
 Dibromofluoromethane
 Concen: 46.584 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.6
192	24.1	19.0	28.6



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: 4.623 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

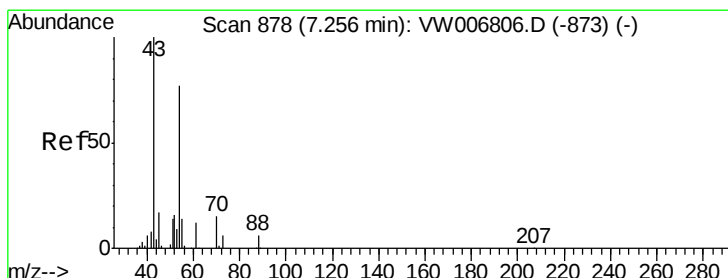
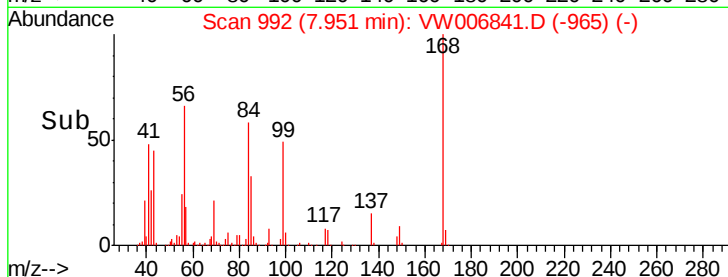
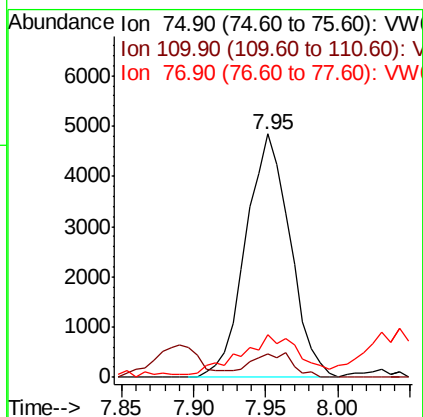
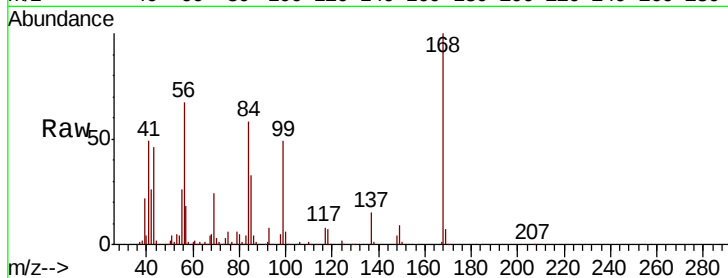
Tot Ion: 75 Resp: 10311

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.6#

77 21.2 25.4 38.2#



#37

Ethyl Acetate

Concen: 119.102 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.08 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

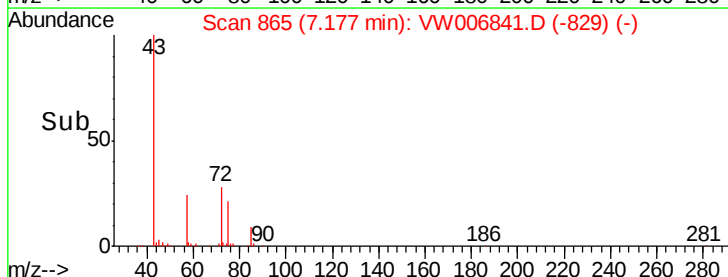
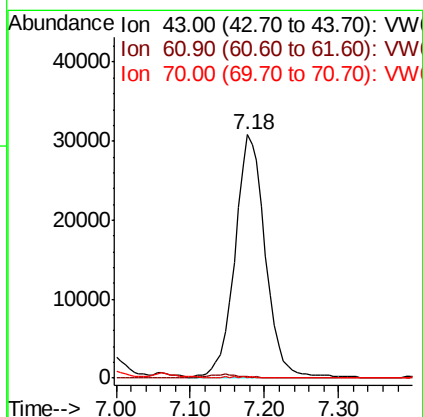
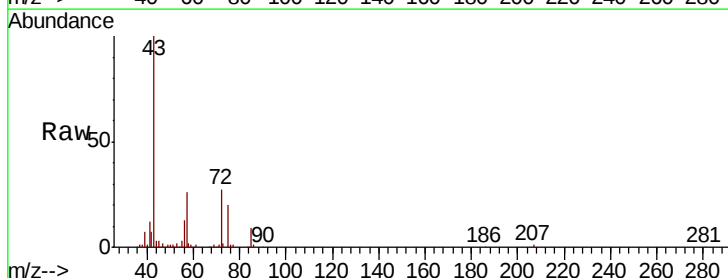
Tgt Ion: 43 Resp: 86871

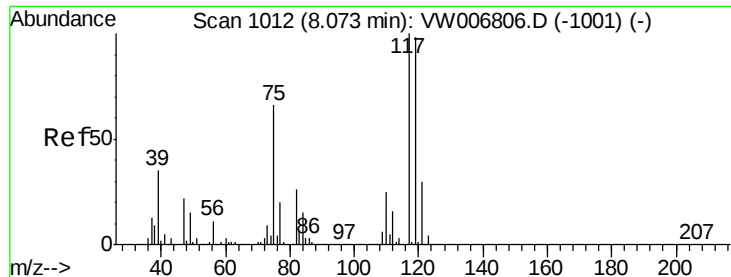
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 6.167 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampled :

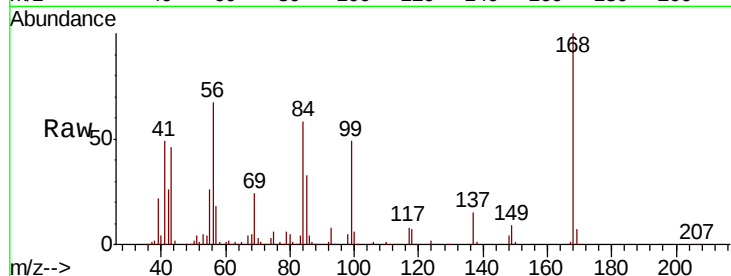
Tot Ion:117 Resp: 14952

Ion Ratio Lower Upper

117 100

119 4.6 78.5 117.7#

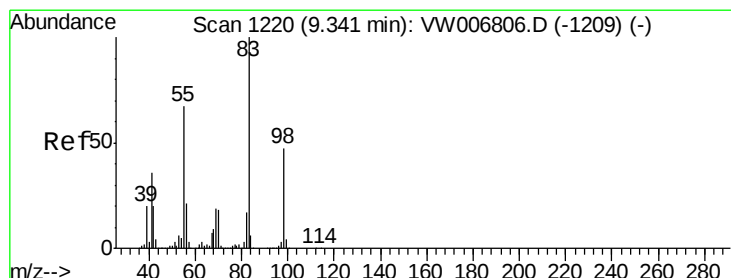
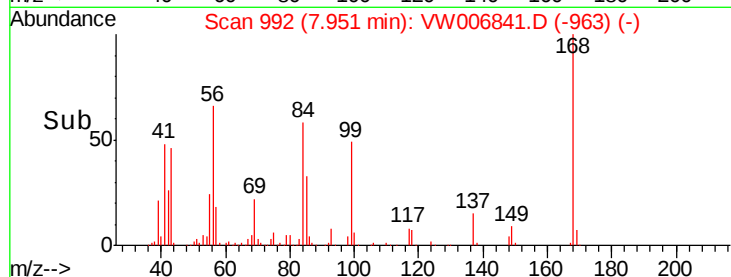
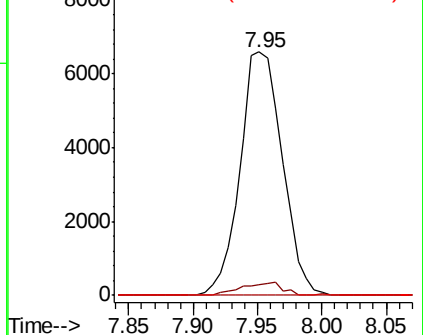
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 331.081 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

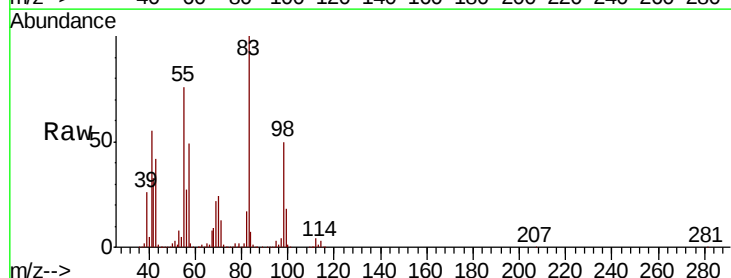
Tgt Ion: 83 Resp: 958121

Ion Ratio Lower Upper

83 100

55 76.2 53.3 79.9

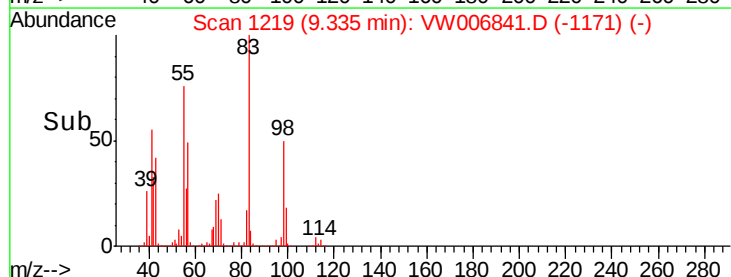
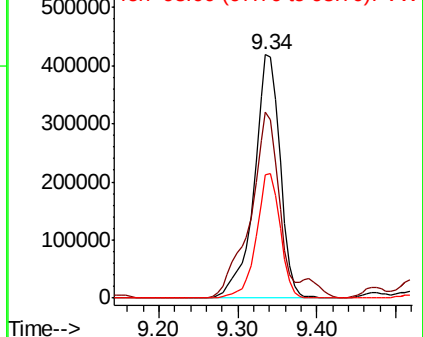
98 50.4 37.9 56.9

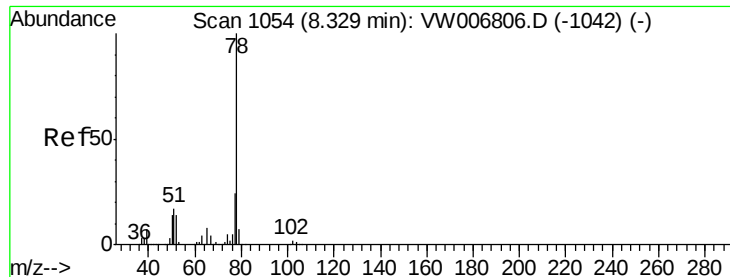


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 35.706 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

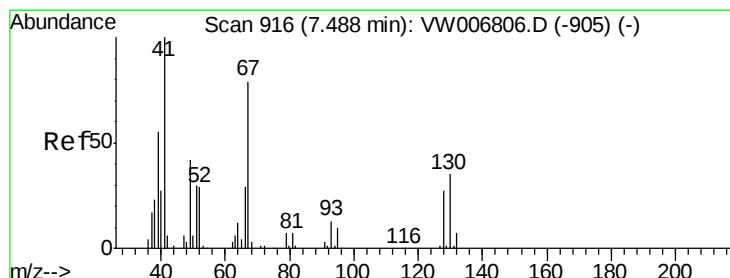
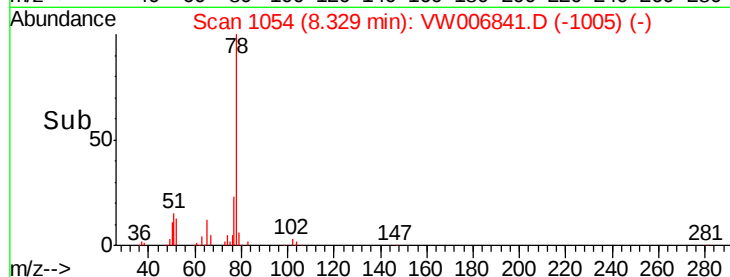
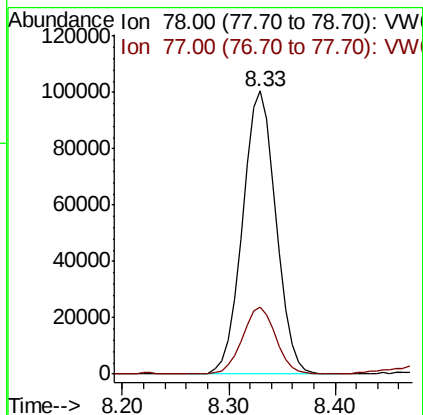
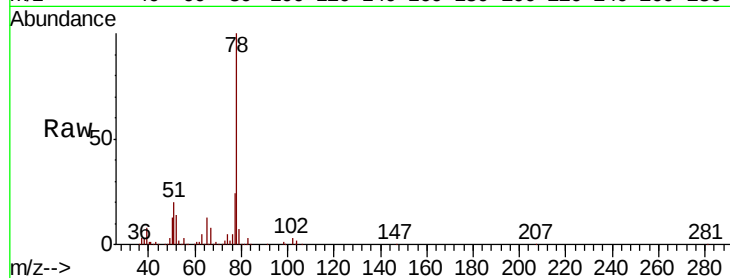
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 78 Resp: 221464

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



#41

Methacrylonitrile

Concen: 9.718 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.04 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Tgt Ion: 41 Resp: 4352

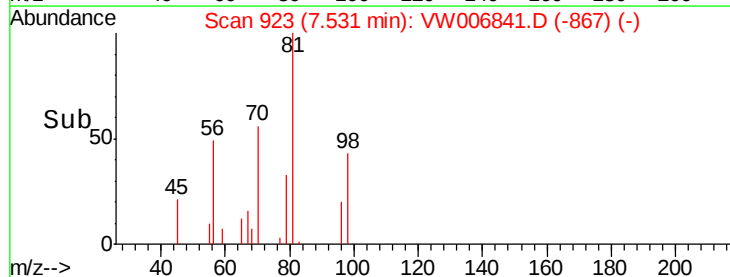
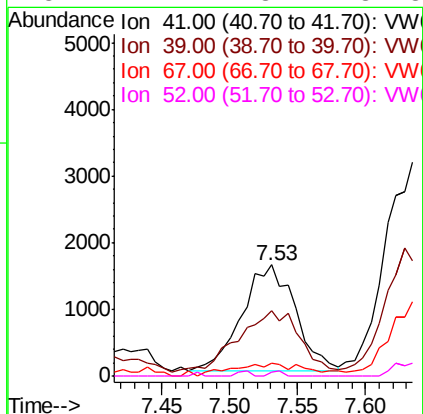
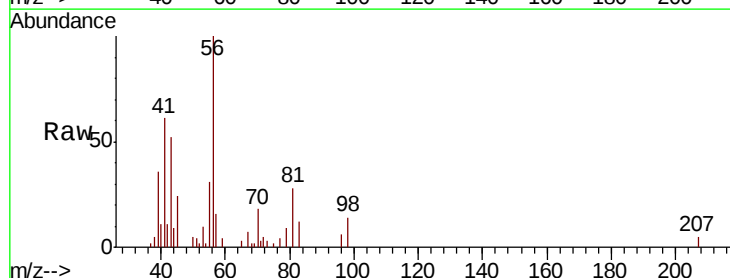
Ion Ratio Lower Upper

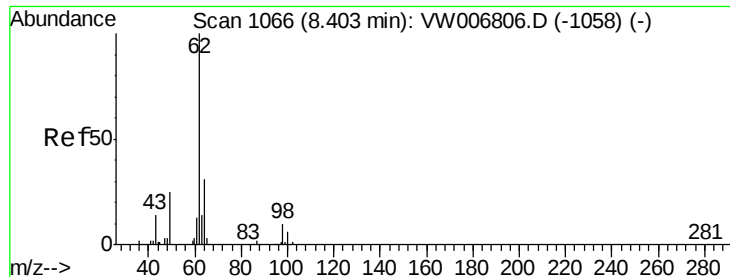
41 100

39 68.6 48.1 72.1

67 0.0 61.4 92.2#

52 1.1 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 2.273 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

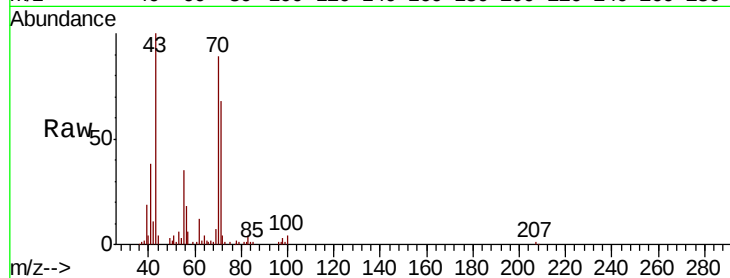
ClientSampleId :

Tot Ion: 62 Resp: 3777

Ion Ratio Lower Upper

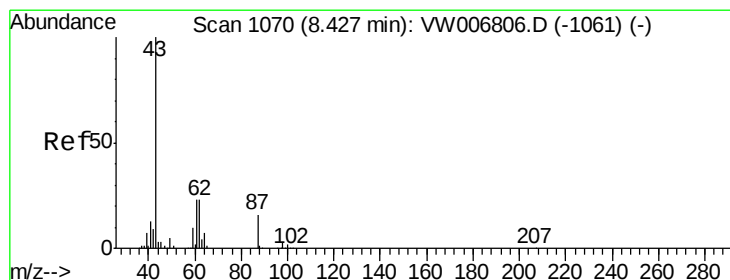
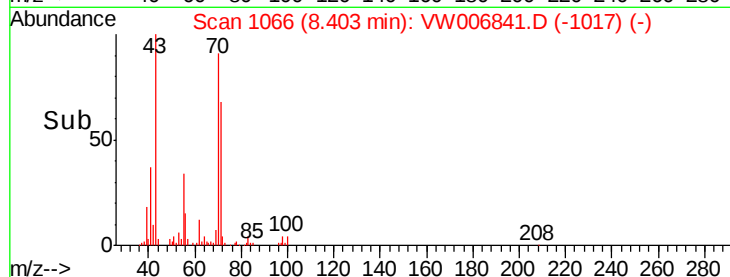
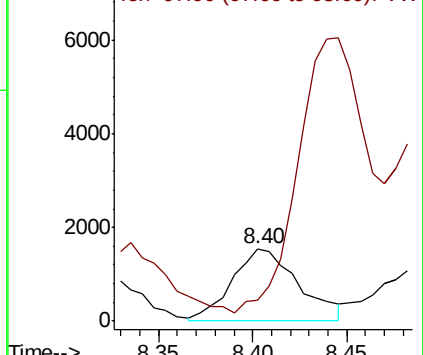
62 100

98 0.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 54.054 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

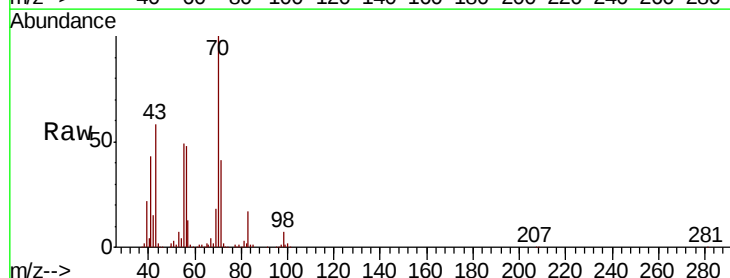
Tgt Ion: 43 Resp: 76678

Ion Ratio Lower Upper

43 100

61 0.4 27.0 40.4#

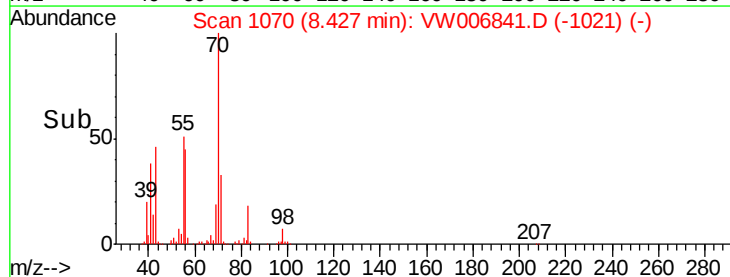
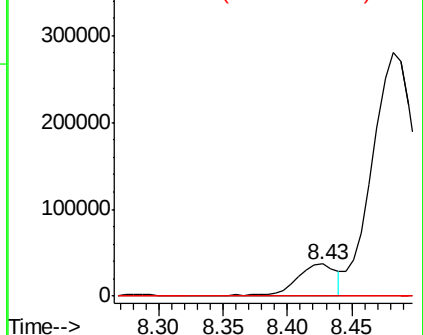
87 0.0 13.0 19.4#

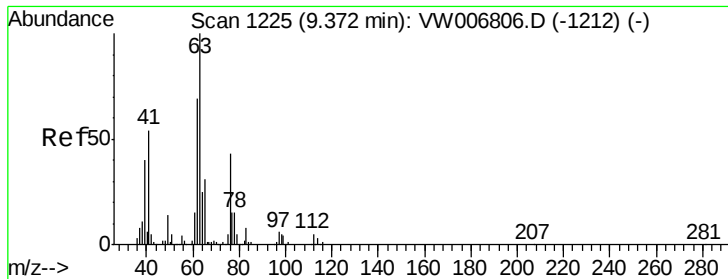


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

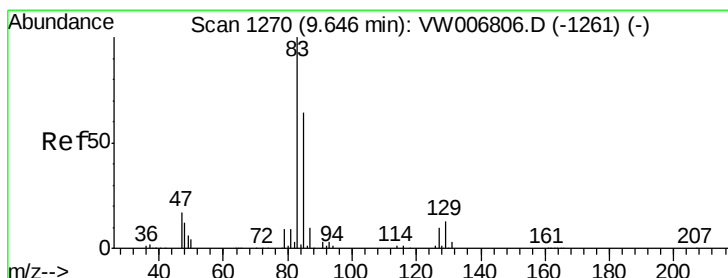
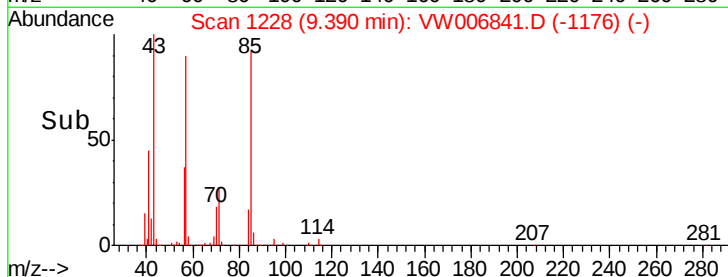
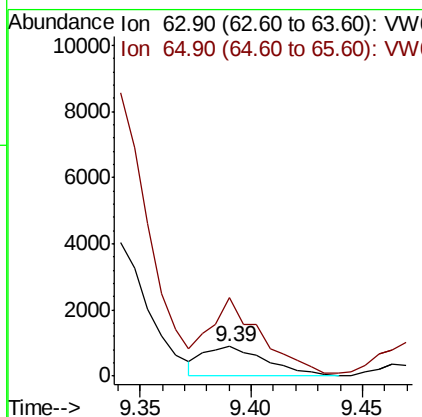
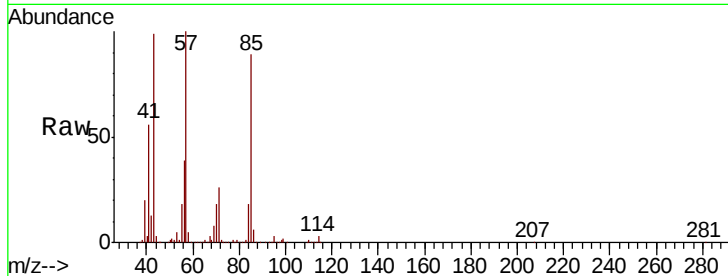




#45
 1,2-Dichloropropane
 Concen: 1.220 ug/l
 RT: 9.39 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

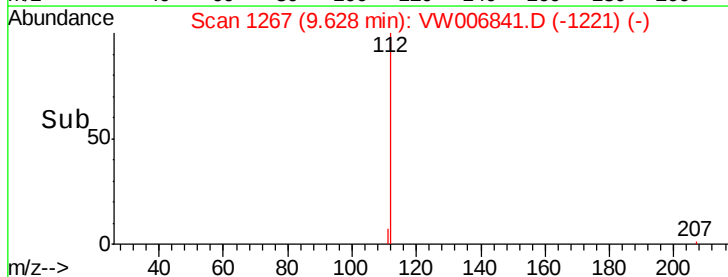
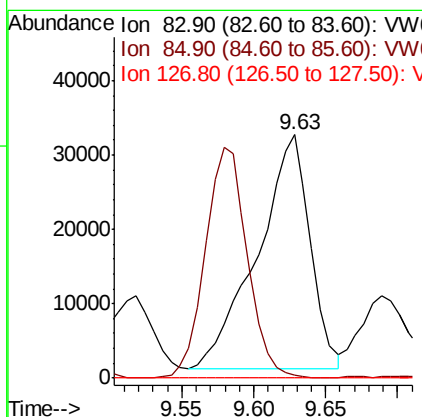
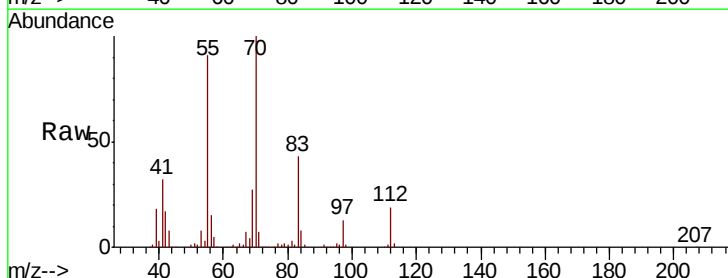
Instrument :
 MSVOA_W
 ClientSampled :

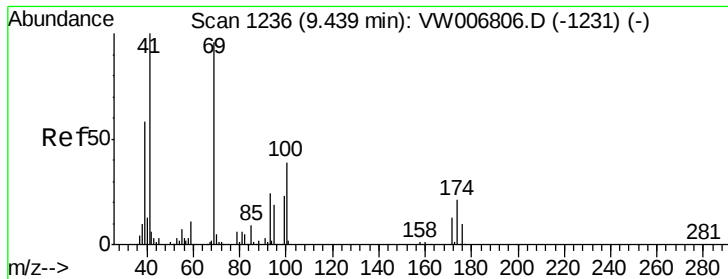
Tot Ion: 63 Resp: 1764
 Ion Ratio Lower Upper
 63 100
 65 255.7 24.4 36.6#



#47
 Bromodichloromethane
 Concen: 40.300 ug/l
 RT: 9.63 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion: 83 Resp: 80435
 Ion Ratio Lower Upper
 83 100
 85 1.0 51.4 77.0#
 127 0.0 7.6 11.4#

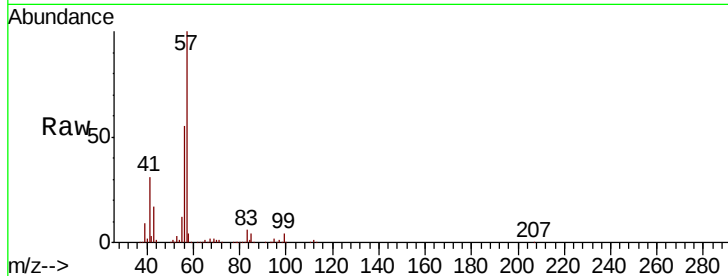




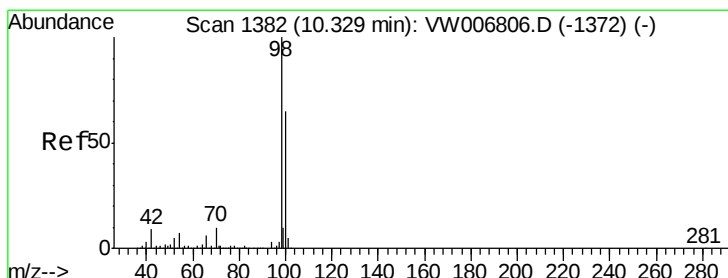
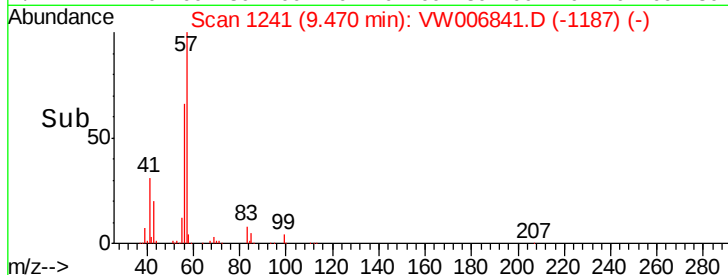
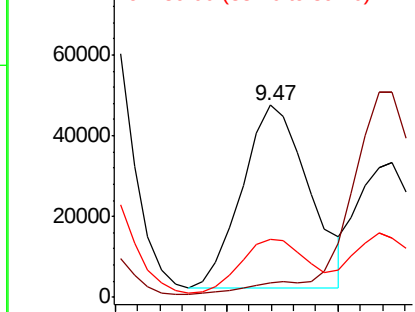
#48
Methvl methacrylate
Concen: 135.474 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 94219
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 28.5 45.9 68.9#

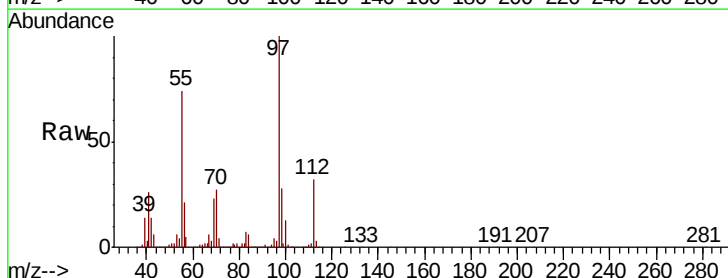


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

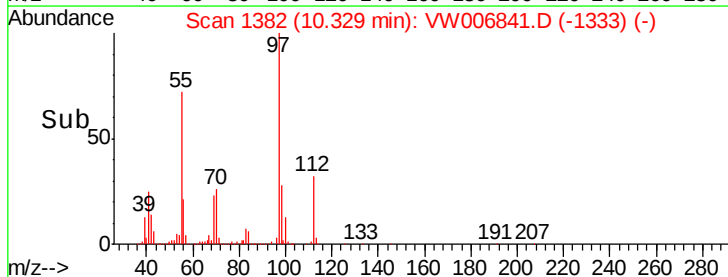
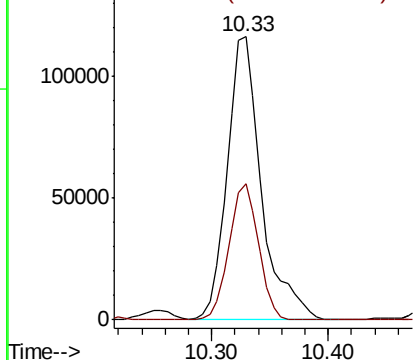


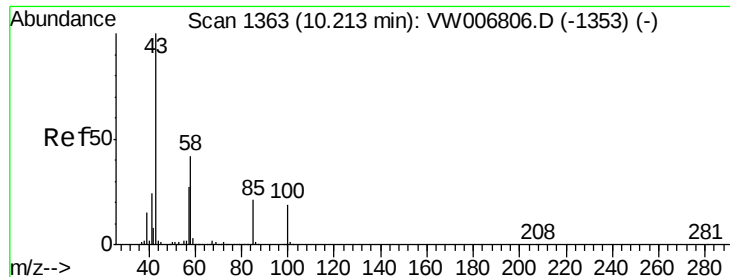
#50
Toluene-d8
Concen: 40.470 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 98 Resp: 238084
Ion Ratio Lower Upper
98 100
100 41.4 51.4 77.2#



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 355.255 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

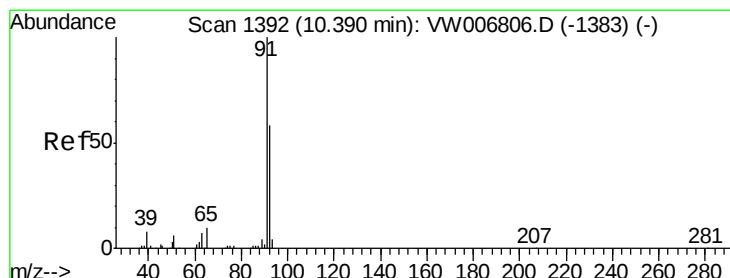
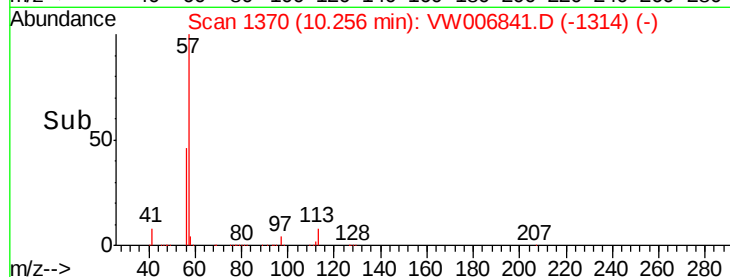
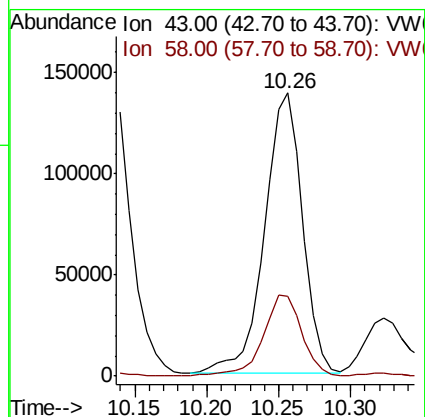
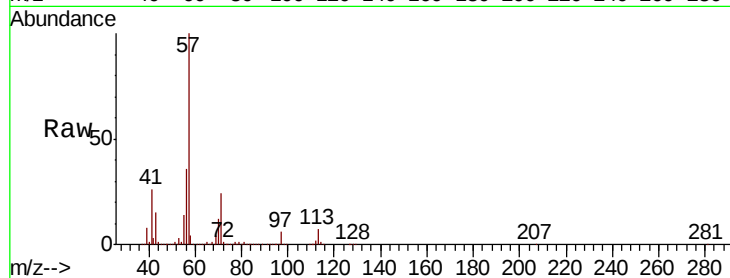
ClientSampleId :

Tot Ion: 43 Resp: 252690

Ion Ratio Lower Upper

43 100

58 29.4 34.0 51.0#



#52

Toluene

Concen: 108.284 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006841.D

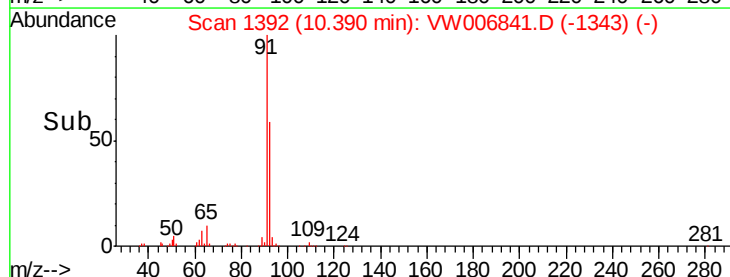
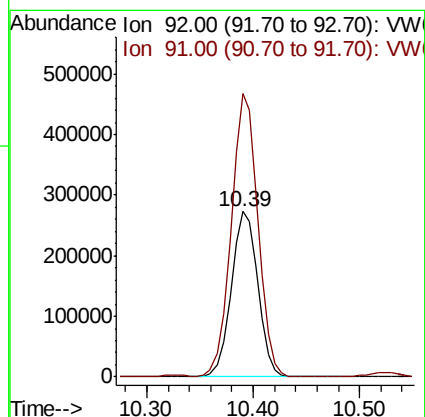
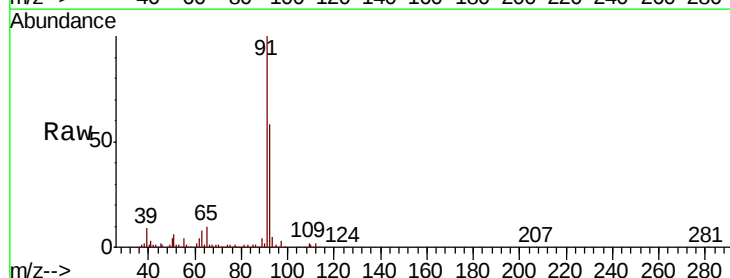
Acq: 13 Nov 2018 07:51

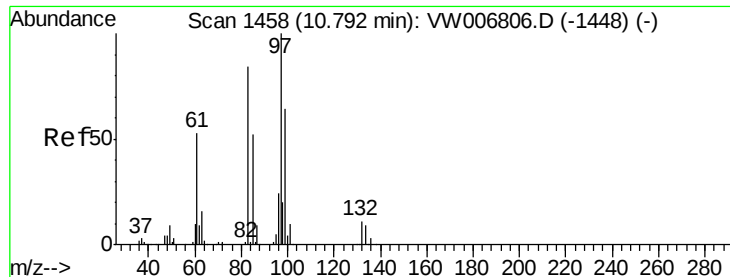
Tgt Ion: 92 Resp: 476145

Ion Ratio Lower Upper

92 100

91 170.7 139.4 209.2

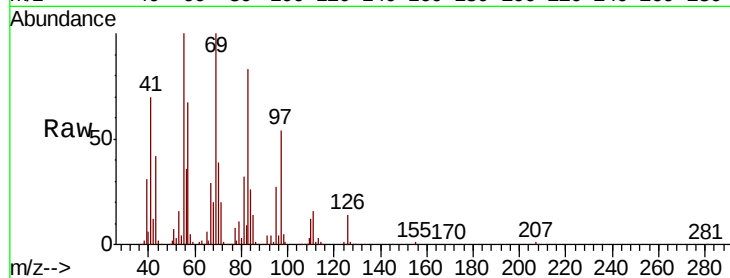




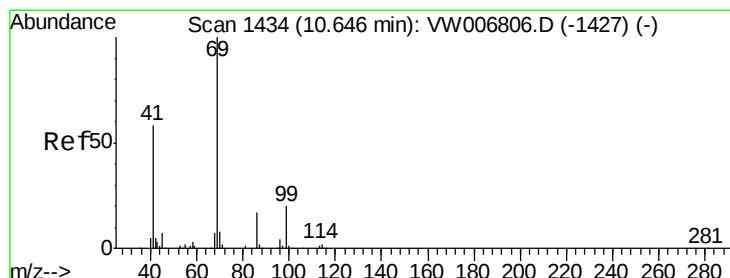
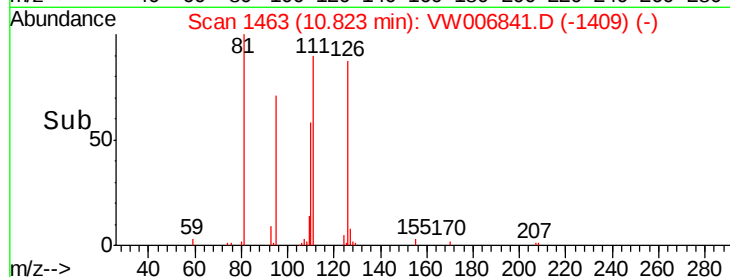
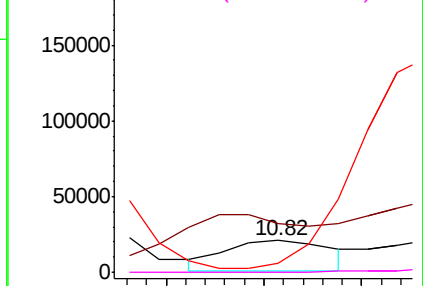
#55
 1,1,2-Trichloroethane
 Concen: 24.908 ug/l
 RT: 10.82 min Scan# 1463
 Delta R.T. 0.03 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 29741
 Ion Ratio Lower Upper
 97 100
 83 24.8 67.0 100.4#
 85 0.0 41.7 62.5#
 99 2.0 50.8 76.2#

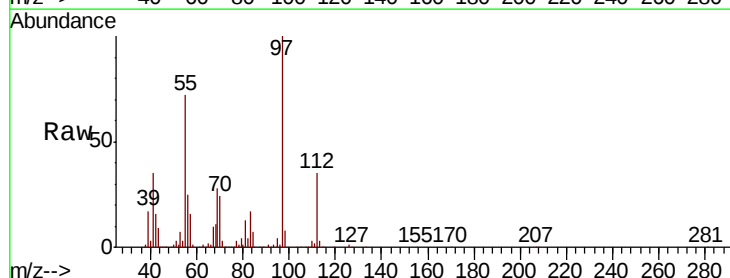


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

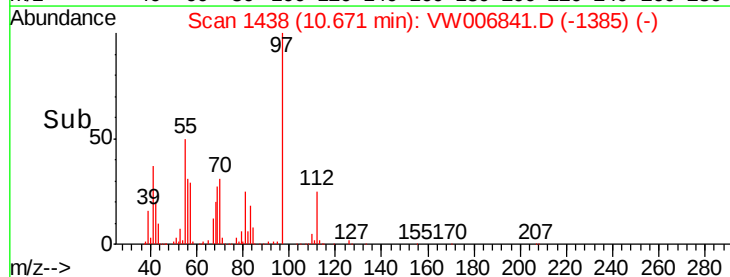
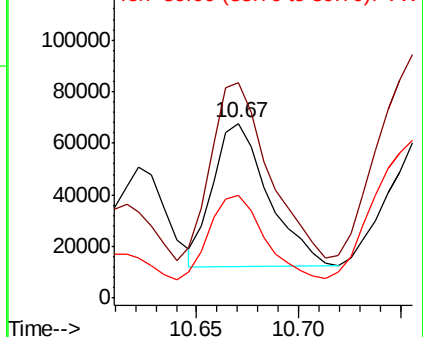


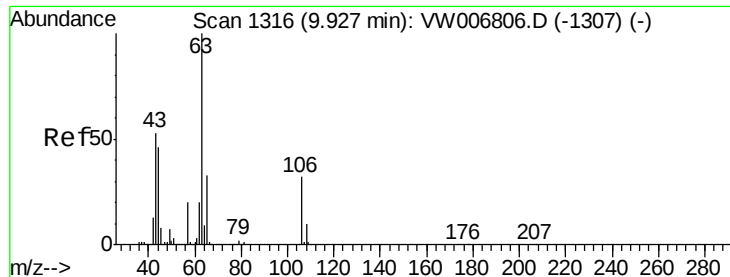
#56
 Ethyl methacrylate
 Concen: 79.947 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion: 69 Resp: 104620
 Ion Ratio Lower Upper
 69 100
 41 155.8 47.0 70.4#
 39 64.3 23.1 34.7#



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

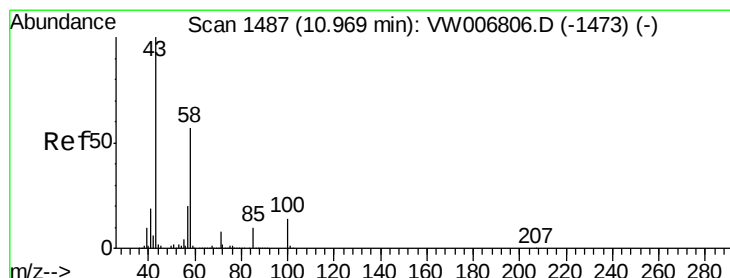
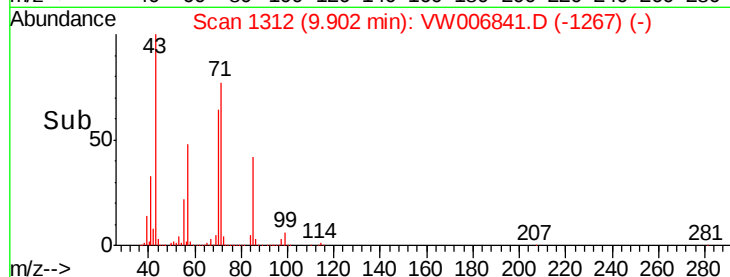
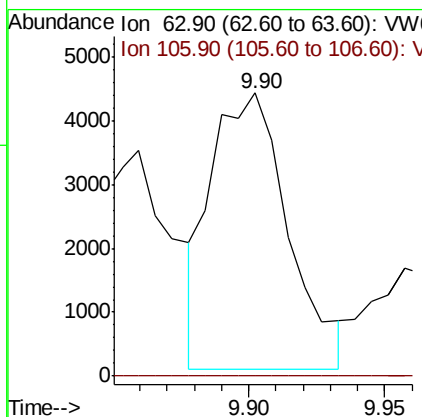
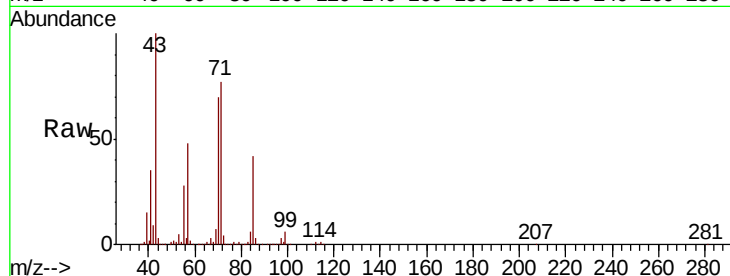




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.888 ug/l
 RT: 9.90 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

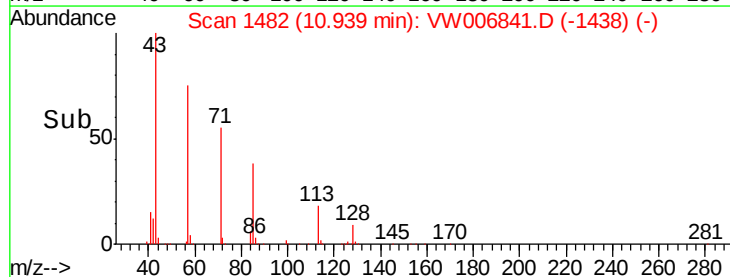
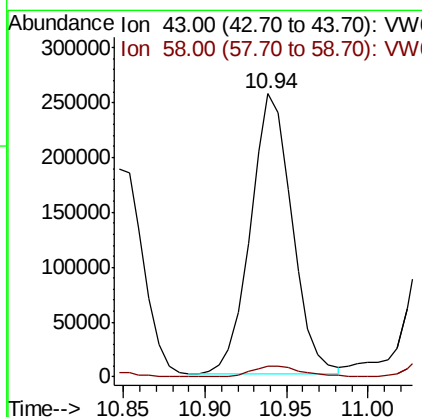
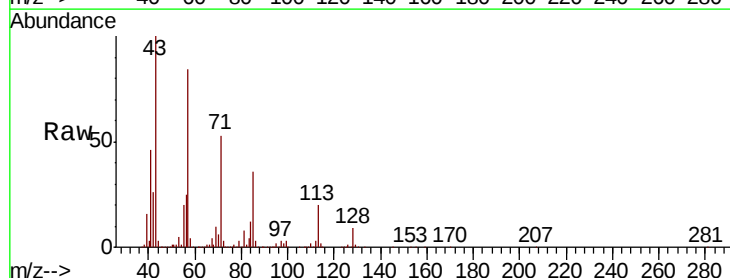
Instrument :
 MSVOA_W
 ClientSampleId :

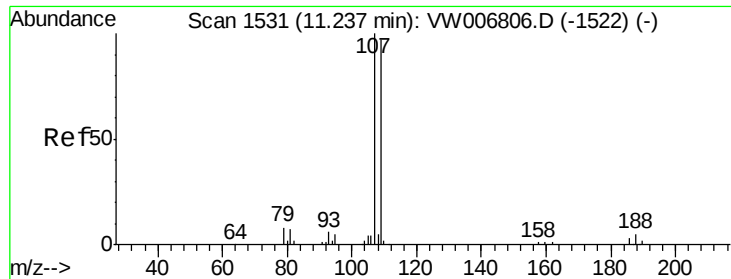
Tot Ion: 63 Resp: 8447
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 927.969 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion: 43 Resp: 455283
 Ion Ratio Lower Upper
 43 100
 58 4.8 28.7 86.1#





#61

1,2-Dibromoethane

Concen: 3.962 ug/l

RT: 11.21 min Scan# 1526

Delta R.T. -0.03 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

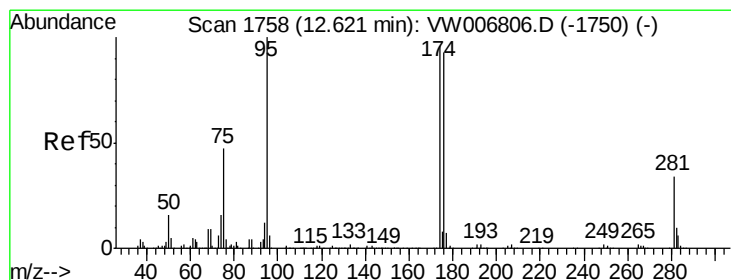
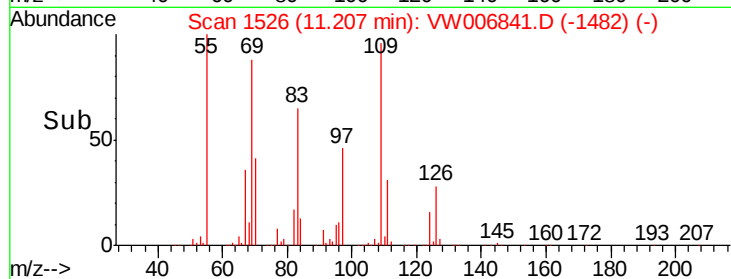
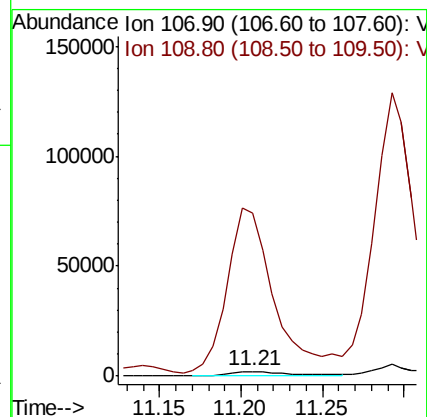
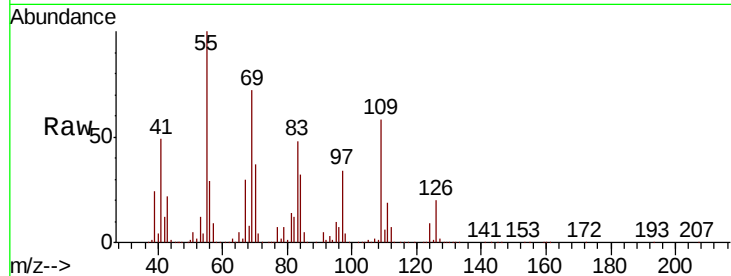
ClientSampled :

Tot Ion:107 Resp: 4493

Ion Ratio Lower Upper

107 100

109 3251.8 76.7 115.1#



#62

4-Bromofluorobenzene

Concen: 274.583 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

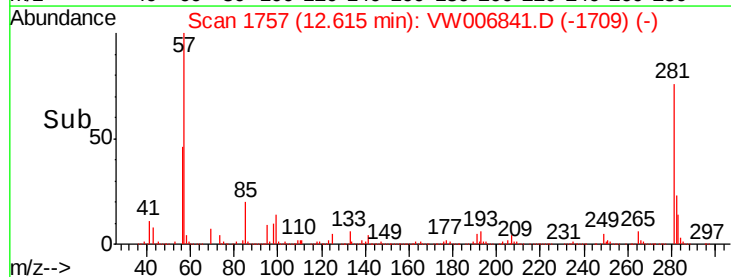
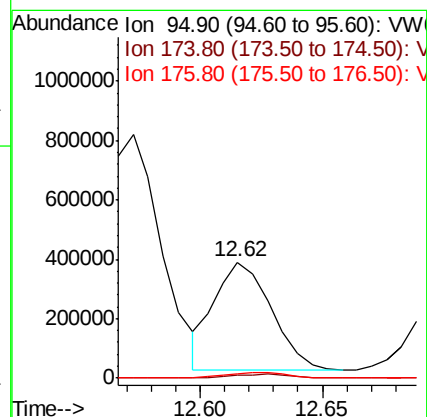
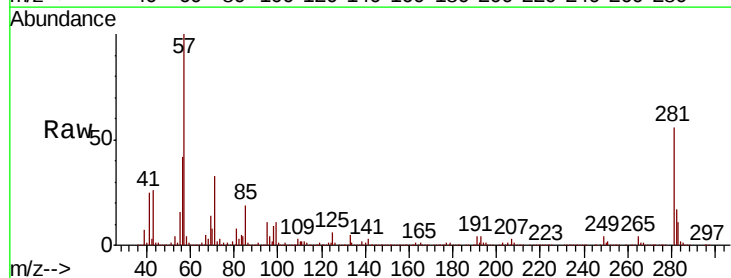
Tgt Ion: 95 Resp: 594962

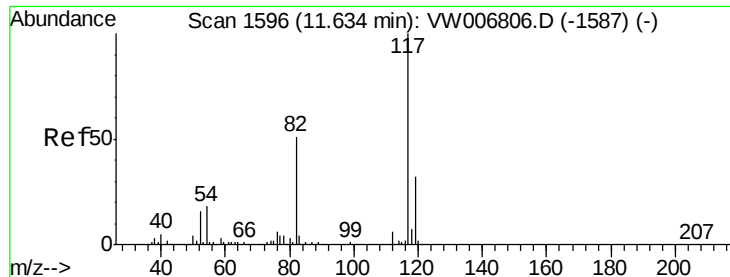
Ion Ratio Lower Upper

95 100

174 3.5 0.0 196.6

176 5.8 0.0 191.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

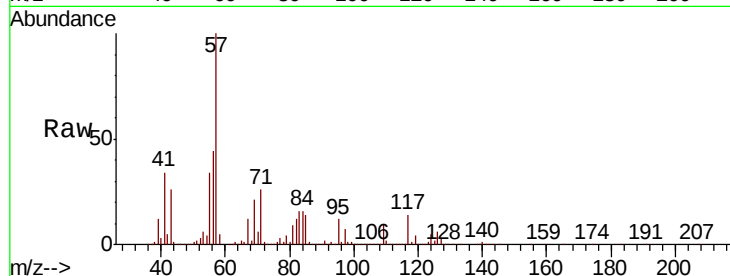
Tot Ion:117 Resp: 97574

Ion Ratio Lower Upper

117 100

82 61.5 40.6 61.0#

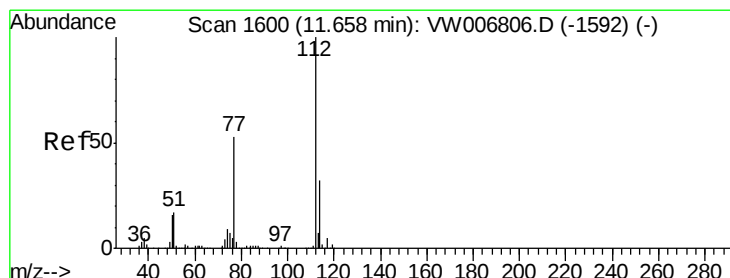
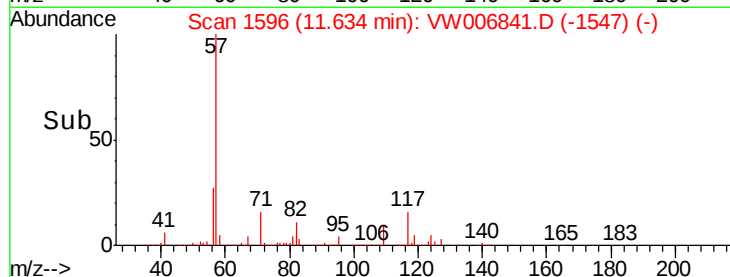
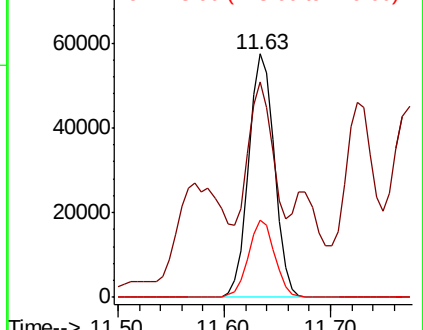
119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 22.623 ug/l

RT: 11.77 min Scan# 1618

Delta R.T. 0.11 min

Lab File: VW006841.D

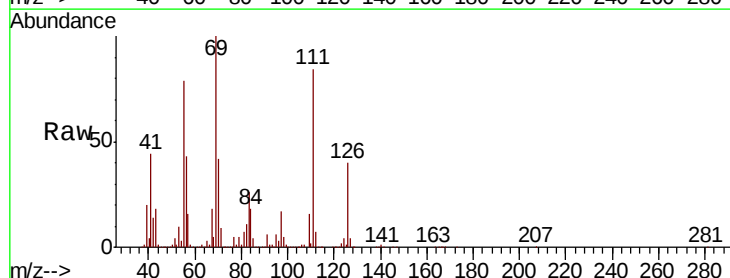
Acq: 13 Nov 2018 07:51

Tgt Ion:112 Resp: 48972

Ion Ratio Lower Upper

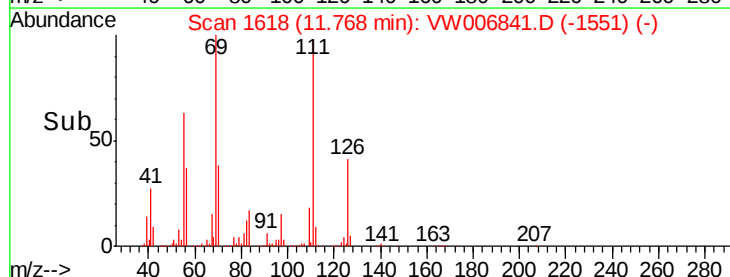
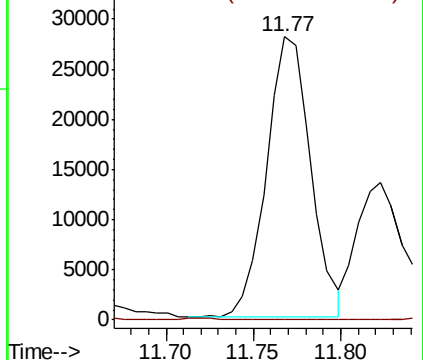
112 100

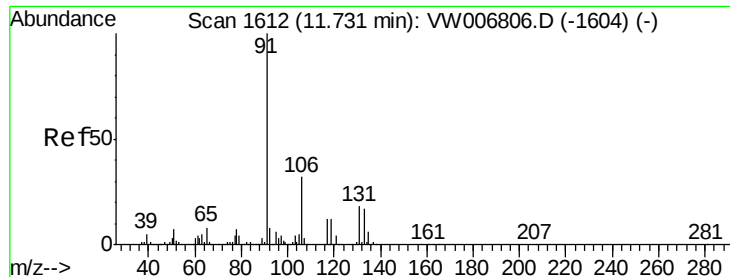
114 0.3 26.0 39.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

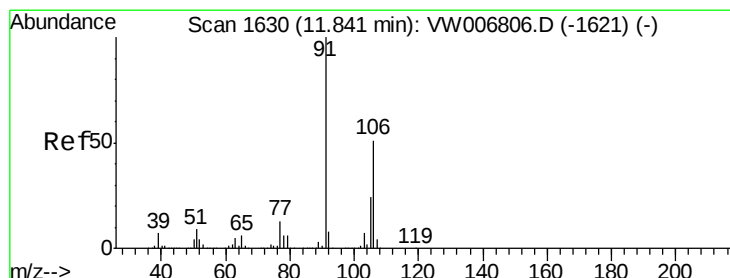
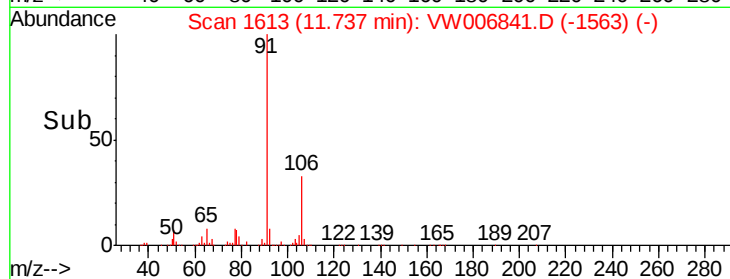
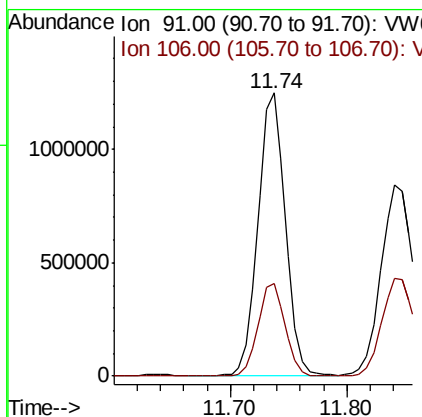
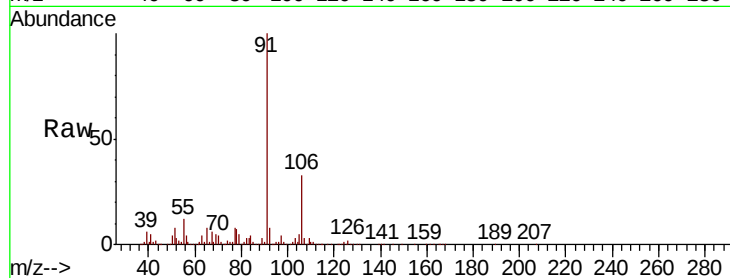




#67
Ethyl Benzene
Concen: 551.345 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

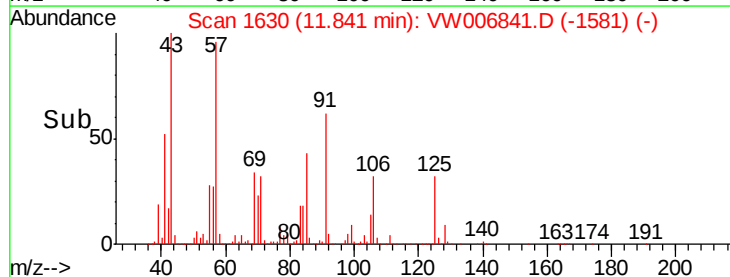
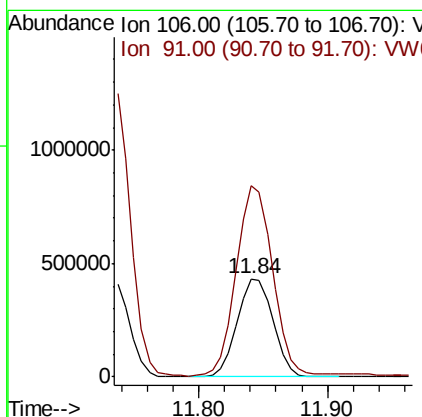
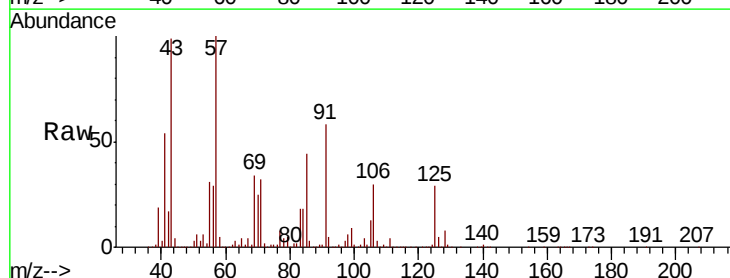
Instrument :
MSVOA_W
ClientSampled :

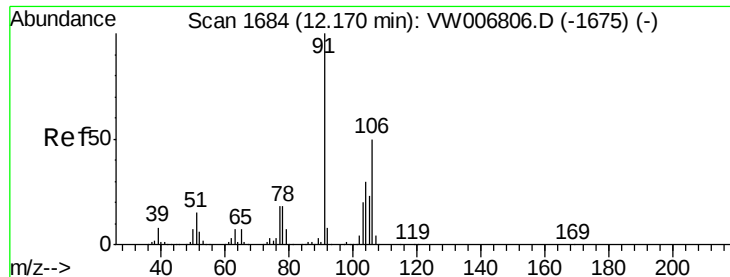
Tot Ion: 91 Resp: 2034633
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.0



#68
m/p-Xylenes
Concen: 551.274 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 106 Resp: 832366
Ion Ratio Lower Upper
106 100
91 196.8 155.7 233.5

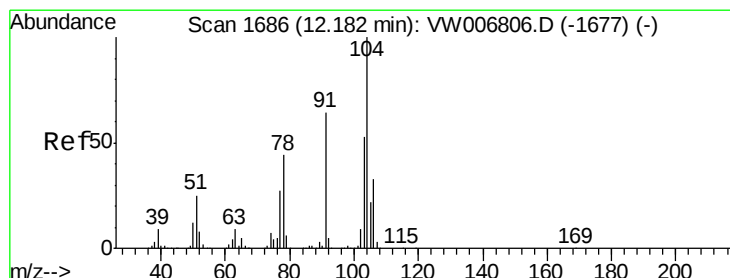
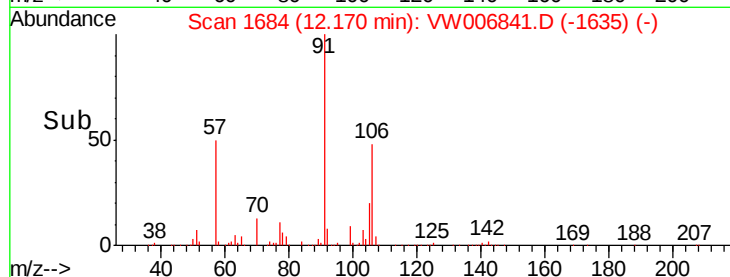
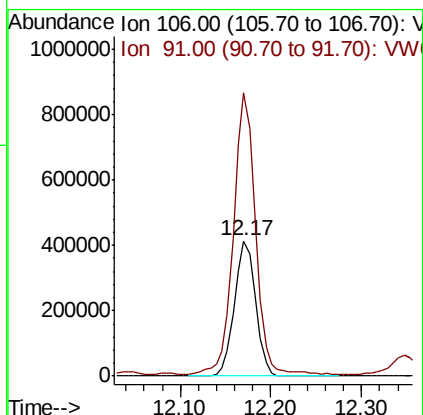
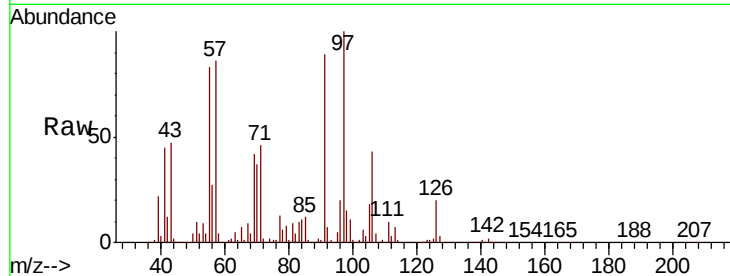




#69
o-Xylene
Concen: 472.975 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

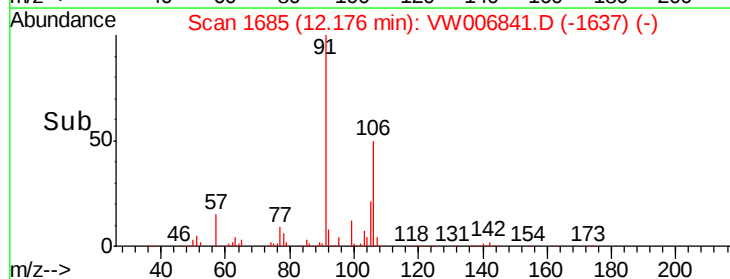
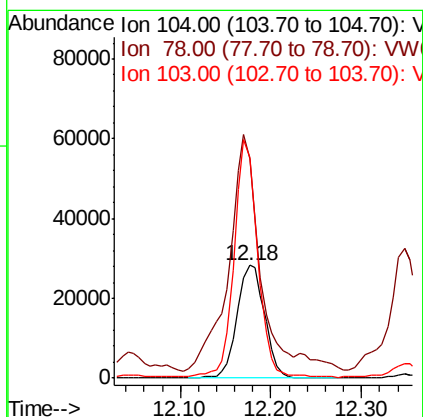
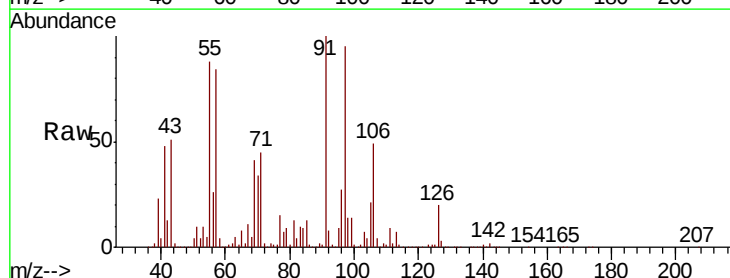
Instrument :
MSVOA_W
ClientSampled :

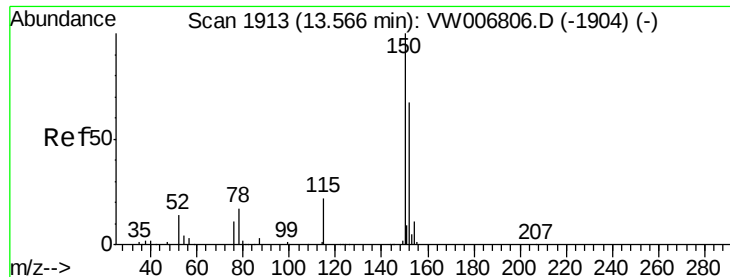
Tot Ion:106 Resp: 664641
Ion Ratio Lower Upper
106 100
91 219.5 101.9 305.7



#70
Styrene
Concen: 26.217 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion:104 Resp: 58966
Ion Ratio Lower Upper
104 100
78 246.4 37.3 55.9#
103 182.1 44.6 66.8#



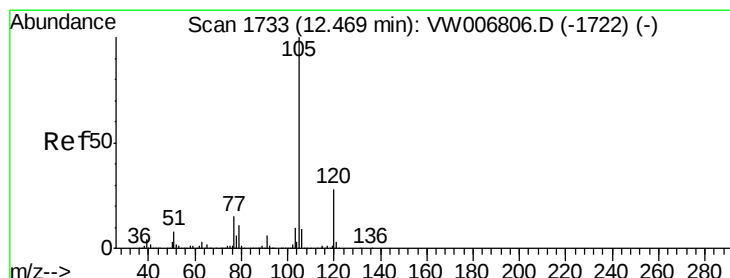
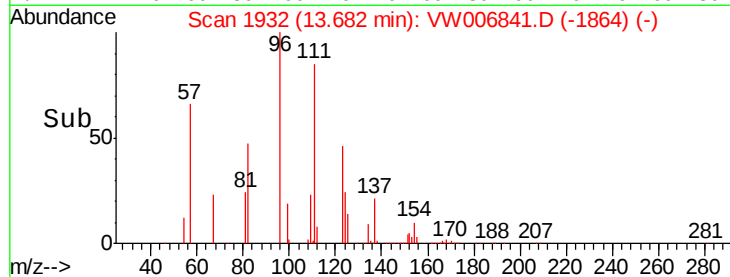
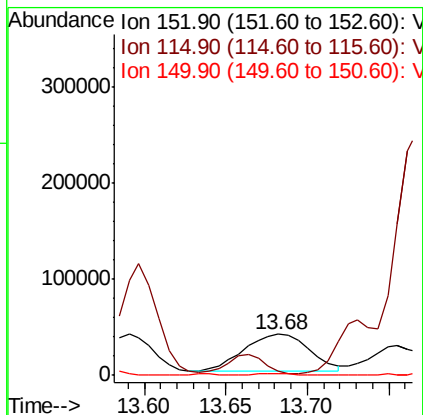
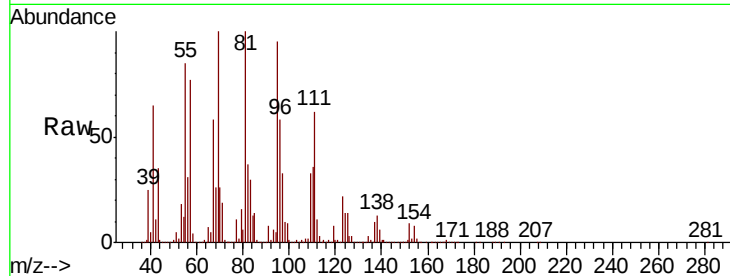


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.68 min Scan# 1932
Delta R.T. 0.12 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :

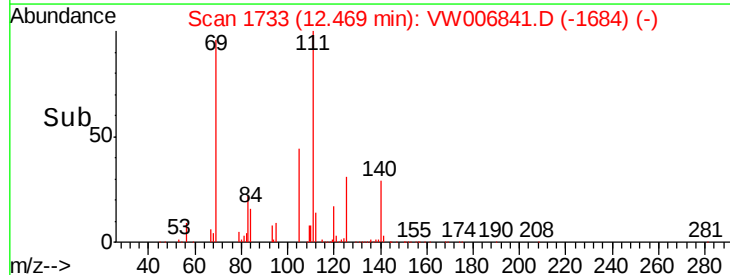
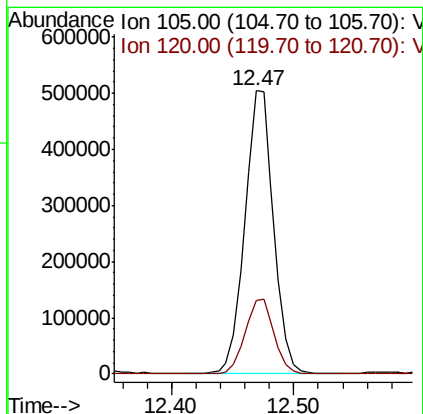
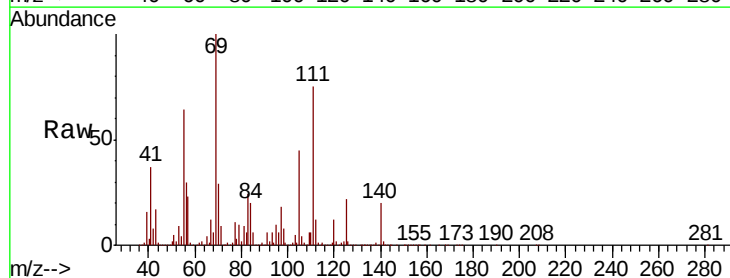
Tot Ion:152 Resp: 108681
Ion Ratio Lower Upper
152 100
115 27.8 27.3 81.8
150 1.6 0.0 353.0

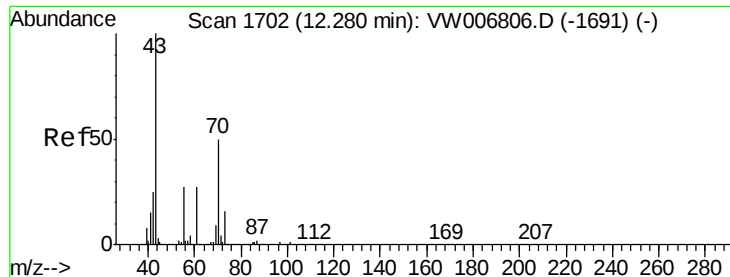


#73

Isopropylbenzene
Concen: 107.585 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion:105 Resp: 811614
Ion Ratio Lower Upper
105 100
120 26.8 14.0 42.0





#74

N-amvl acetate

Concen: 3196.047 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 3645635

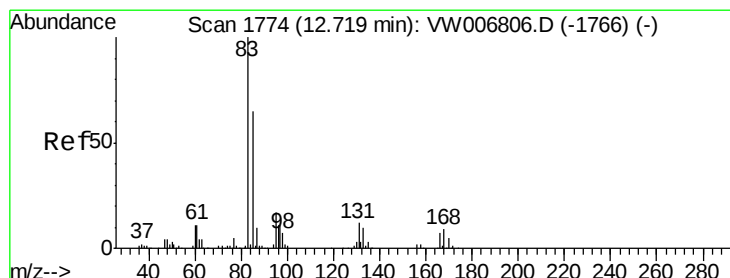
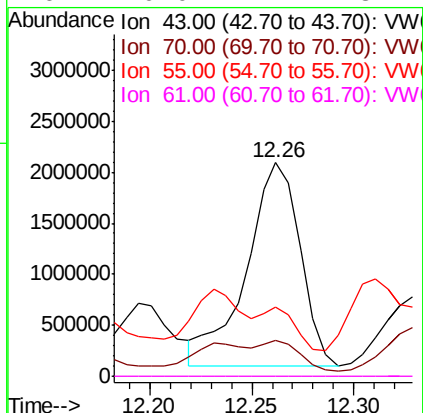
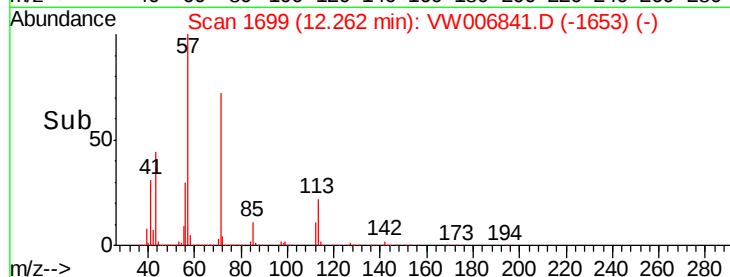
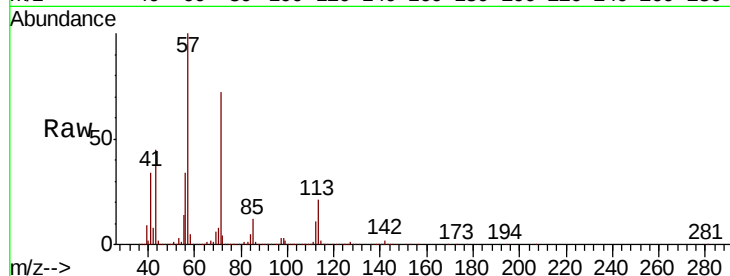
Ion Ratio Lower Upper

43 100

70 10.5 39.0 58.4#

55 0.0 22.1 33.1#

61 0.0 21.1 31.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 358.795 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

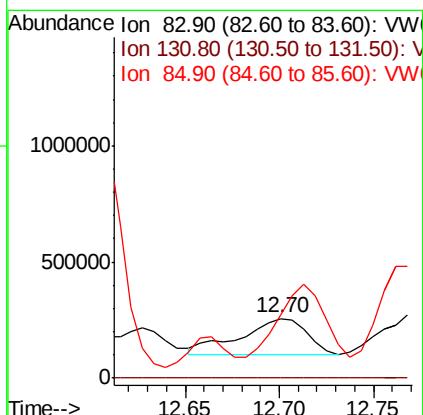
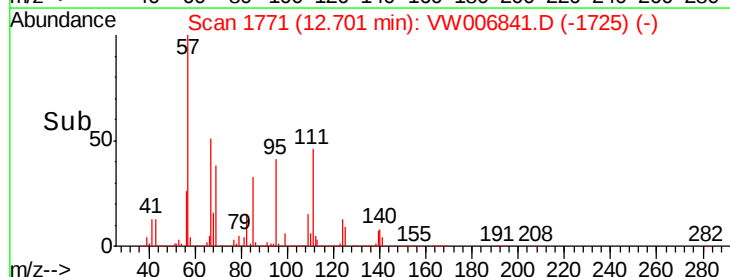
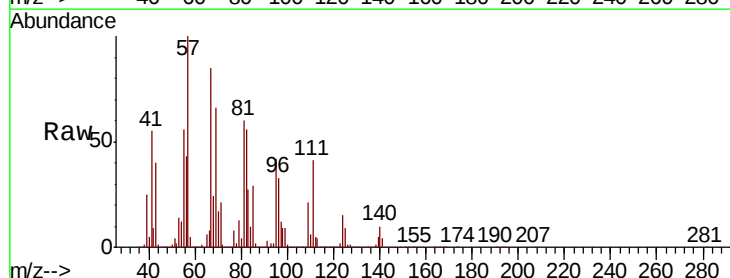
Tgt Ion: 83 Resp: 374434

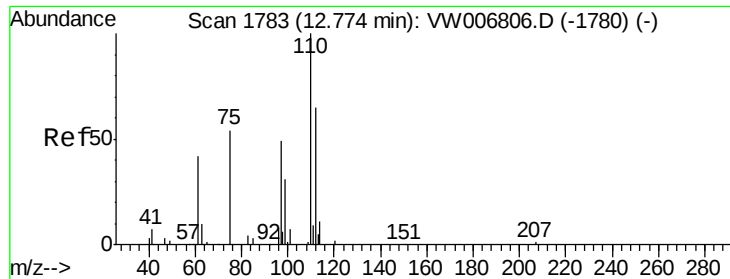
Ion Ratio Lower Upper

83 100

131 0.0 6.1 18.3#

85 136.9 32.4 97.0#





#76

1,2,3-Trichloropropane

Concen: 17.184 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

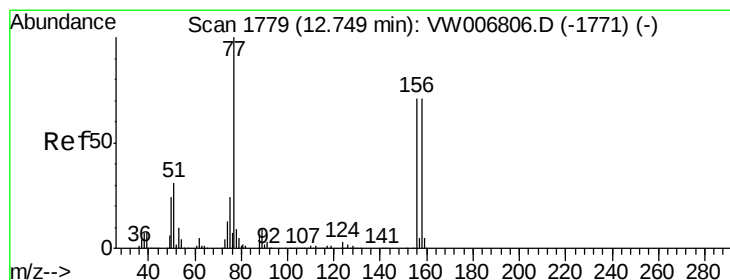
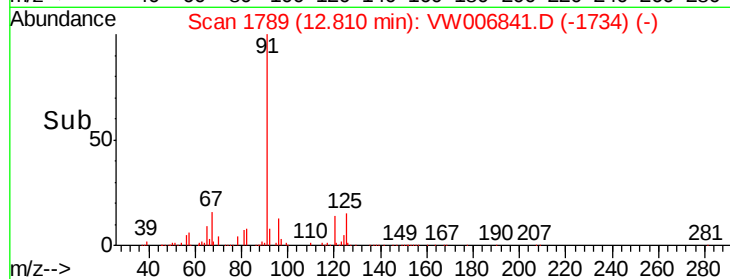
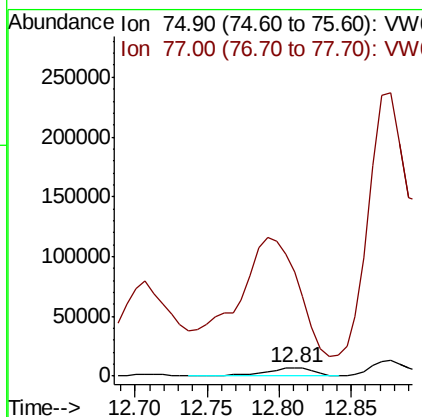
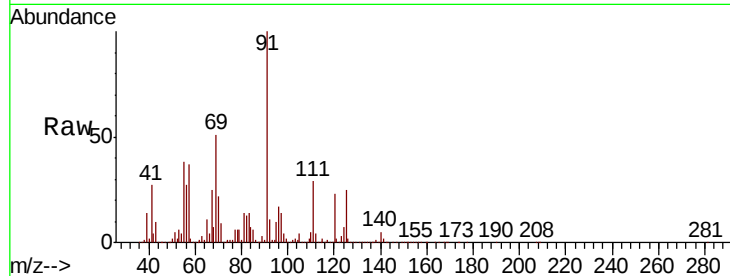
ClientSampled :

Tot Ion: 75 Resp: 13459

Ion Ratio Lower Upper

75 100

77 2095.7 0.0 0.0#



#77

Bromobenzene

Concen: 6.198 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.04 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

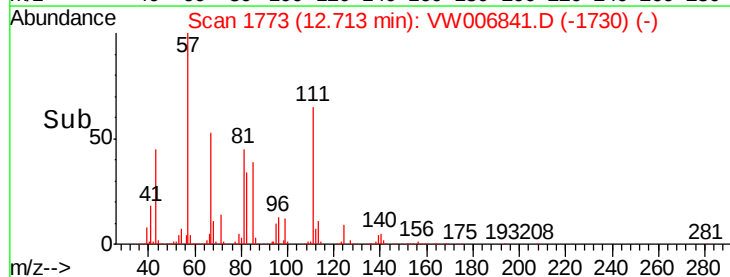
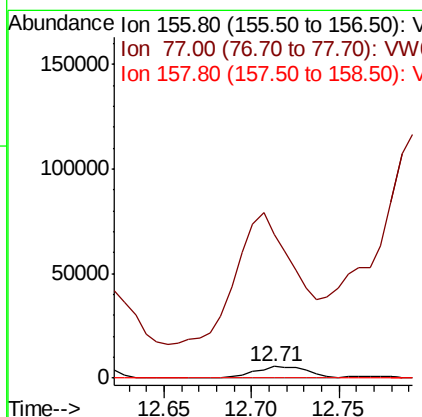
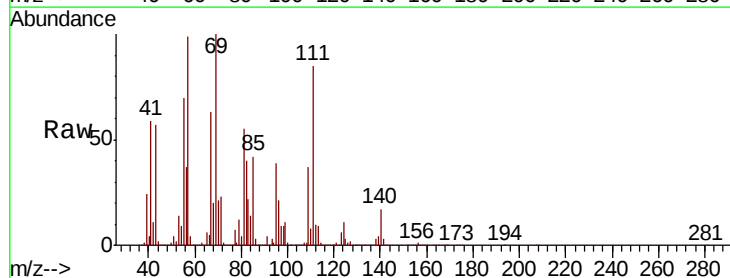
Tgt Ion: 156 Resp: 11789

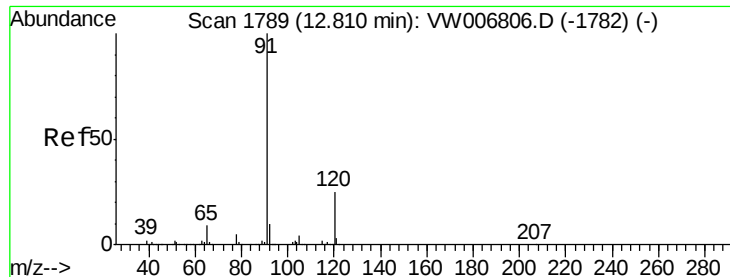
Ion Ratio Lower Upper

156 100

77 1232.4 75.3 225.7#

158 0.7 49.2 147.6#





#78

n-propylbenzene

Concen: 234.376 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

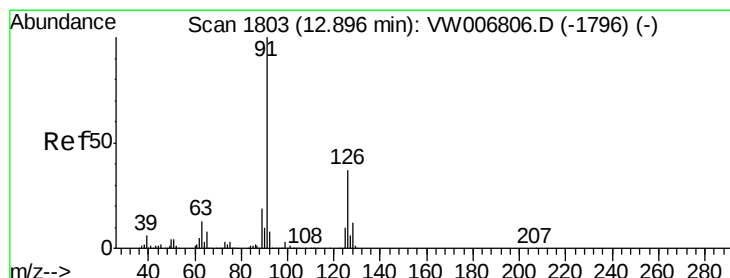
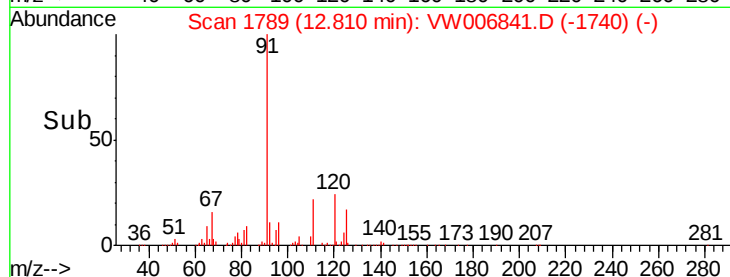
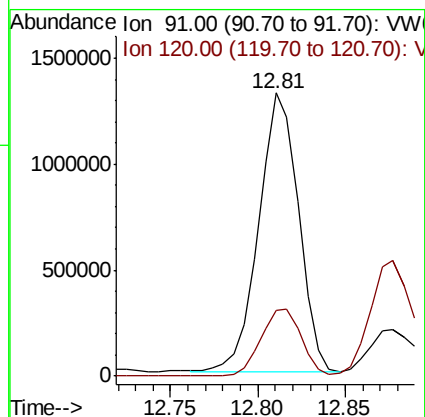
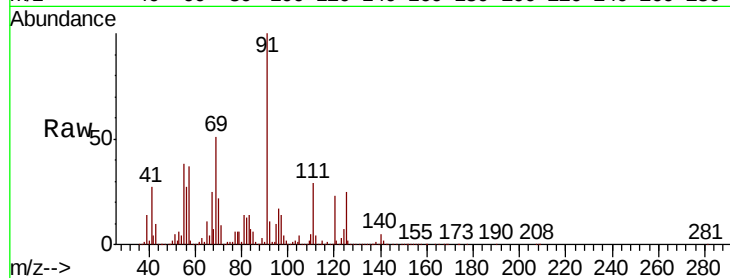
ClientSampled :

Tot Ion: 91 Resp: 2086799

Ion Ratio Lower Upper

91 100

120 24.6 12.4 37.4



#79

2-Chlorotoluene

Concen: 50.990 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.05 min

Lab File: VW006841.D

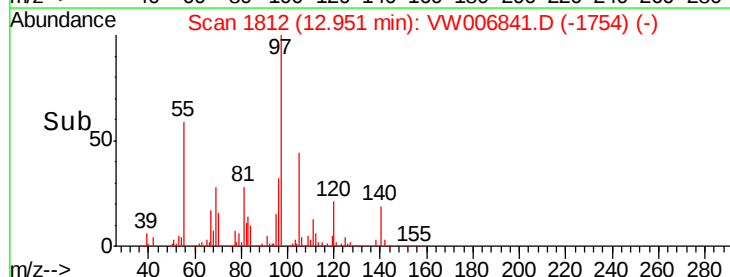
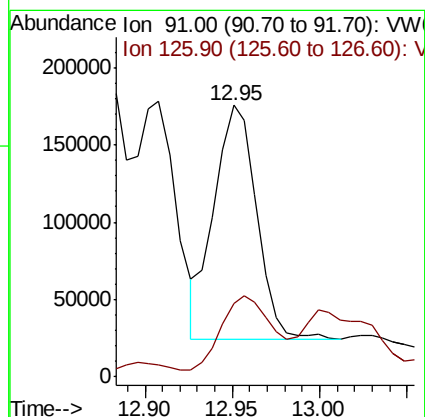
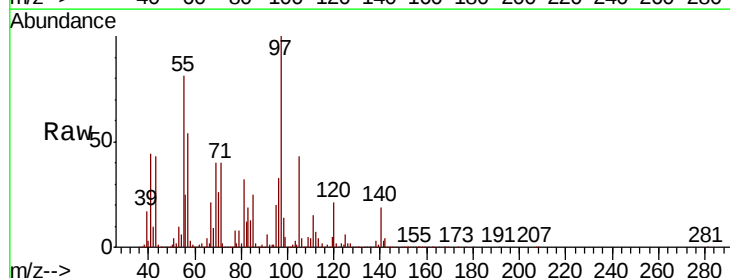
Acq: 13 Nov 2018 07:51

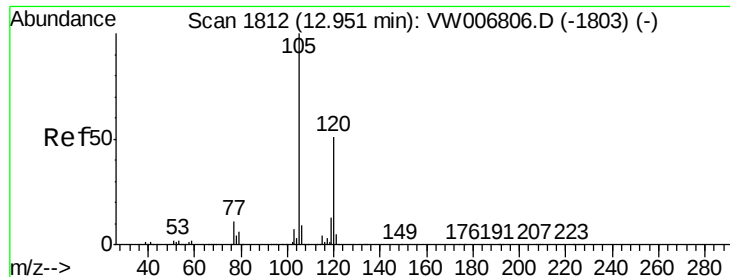
Tgt Ion: 91 Resp: 254713

Ion Ratio Lower Upper

91 100

126 37.6 18.5 55.5





#80

1,3,5-Trimethylbenzene

Concen: 303.108 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

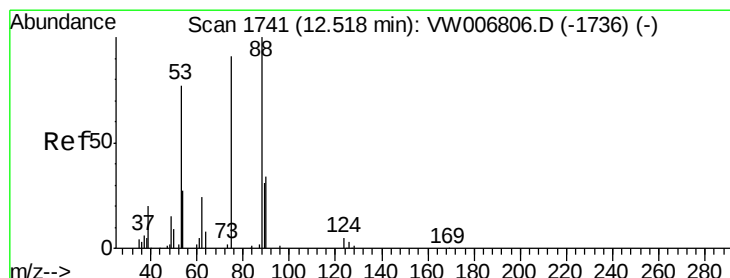
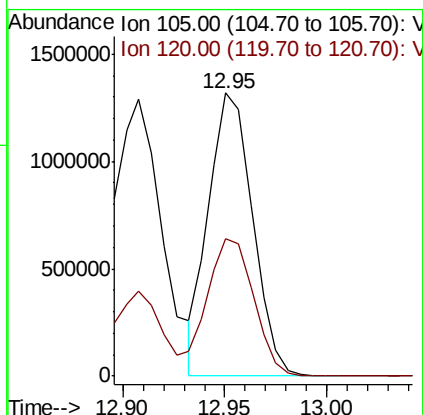
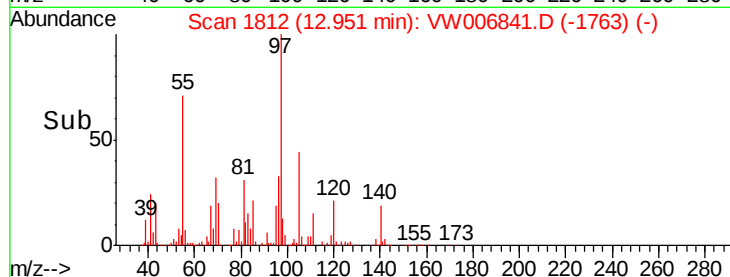
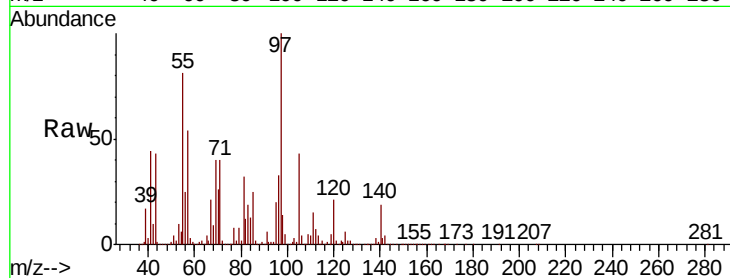
ClientSampleId :

Tot Ion:105 Resp: 1965729

Ion Ratio Lower Upper

105 100

120 52.6 25.3 75.9



#81

trans-1,4-Dichloro-2-butene

Concen: 30.091 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

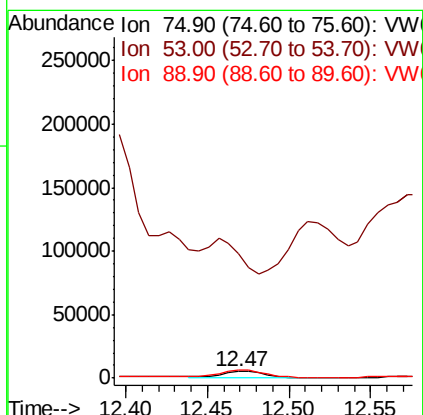
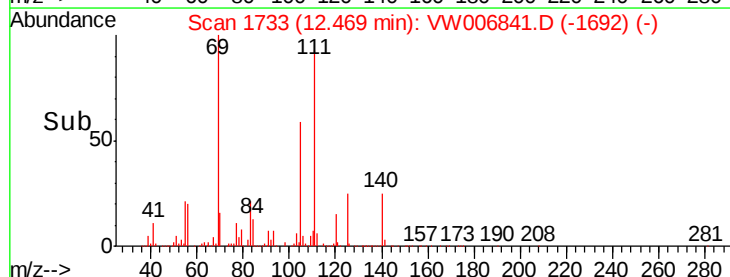
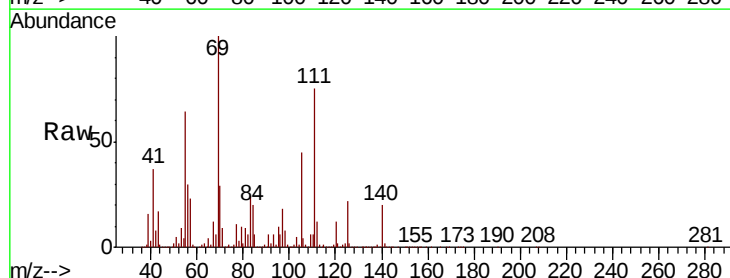
Tgt Ion: 75 Resp: 9528

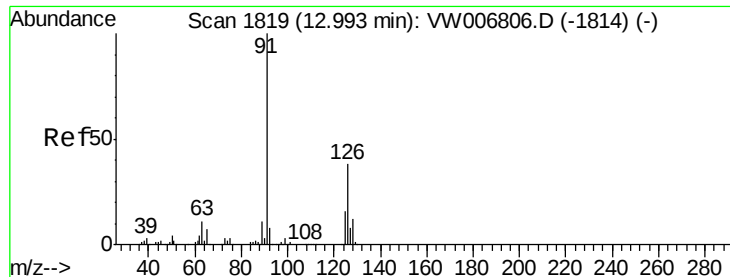
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 131.1 38.7 58.1#

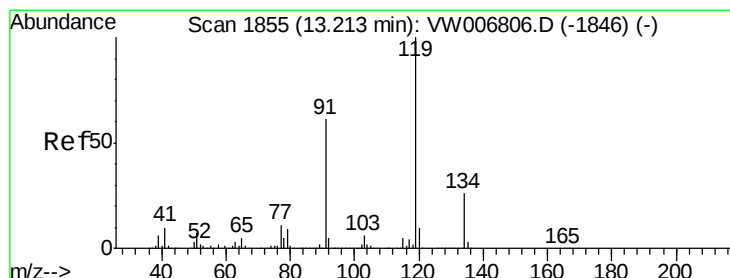
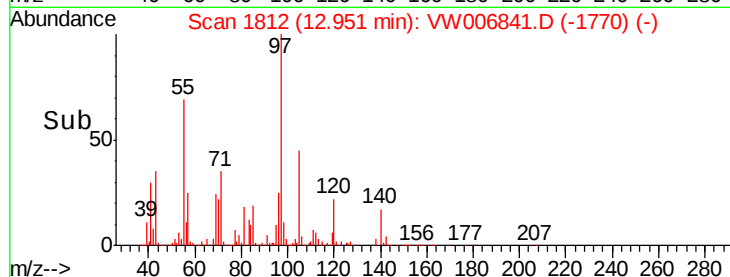
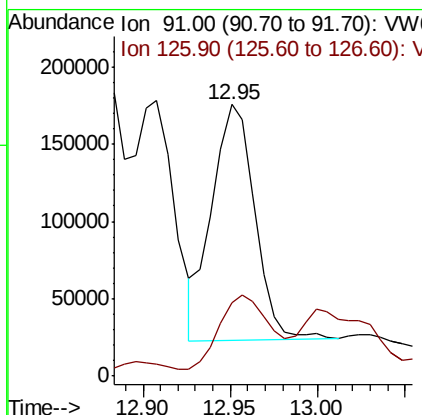
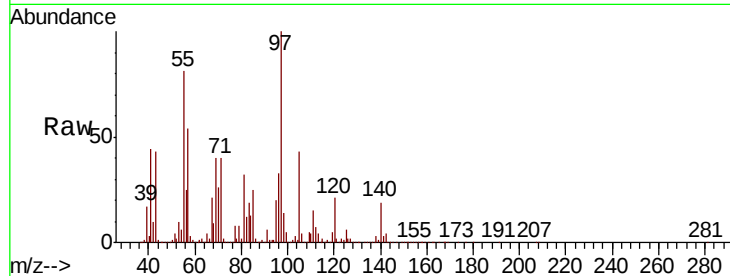




#82
4-Chlorotoluene
Concen: 48.692 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

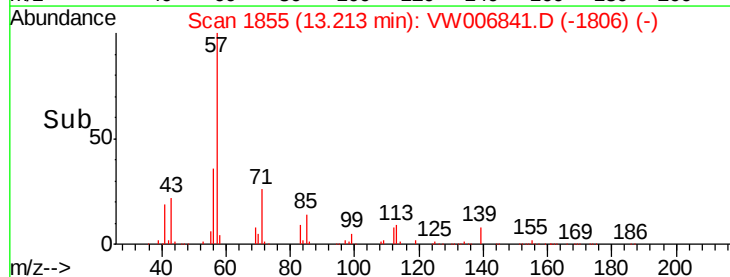
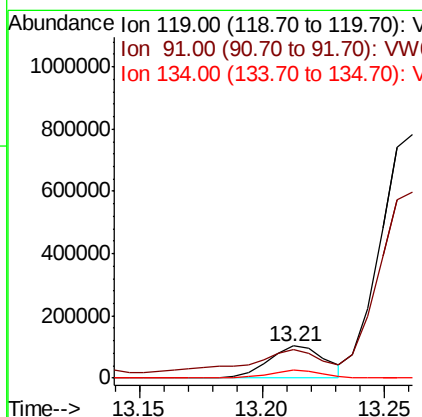
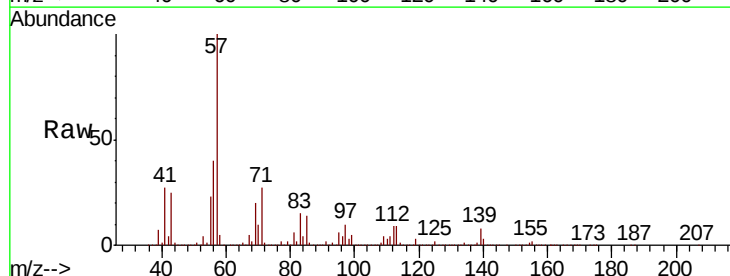
Instrument :
MSVOA_W
ClientSampled :

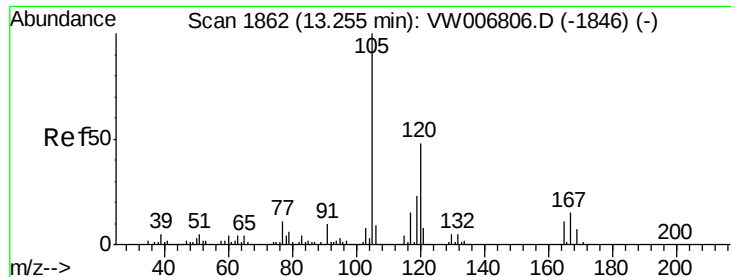
Tot Ion: 91 Resp: 259516
Ion Ratio Lower Upper
91 100
126 36.9 18.4 55.2



#83
tert-Butylbenzene
Concen: 28.467 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 119 Resp: 163190
Ion Ratio Lower Upper
119 100
91 88.9 30.0 90.1
134 24.2 13.4 40.2

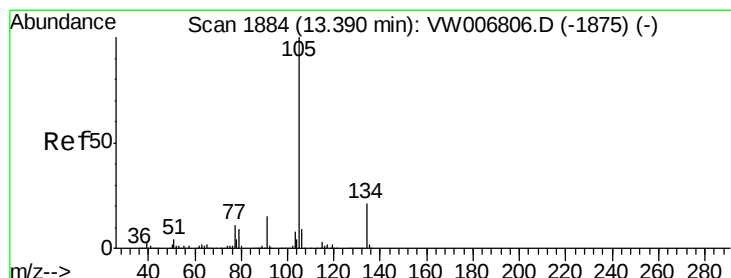
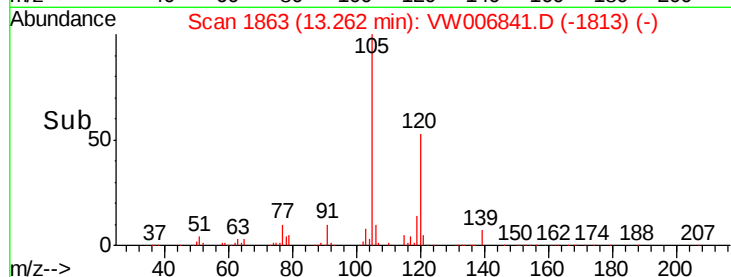
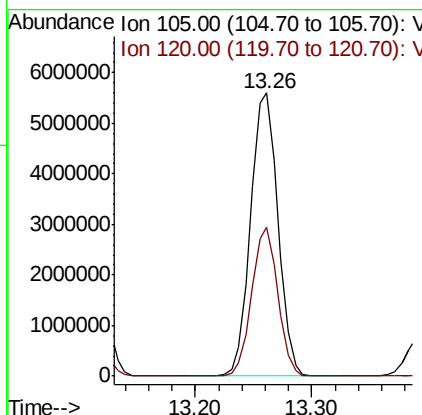
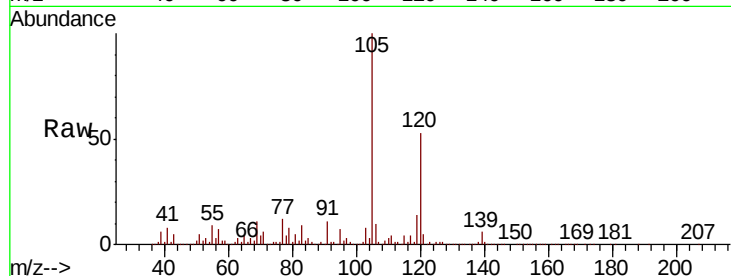




#84
 1,2,4-Trimethylbenzene
 Concen: 1384.461 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

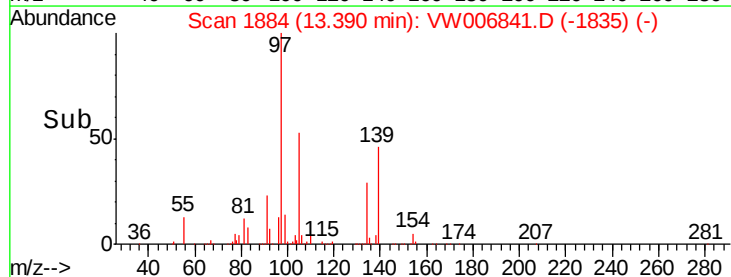
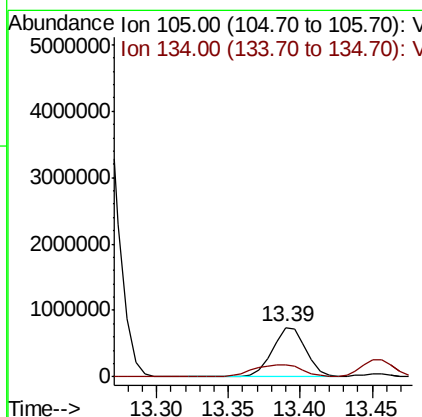
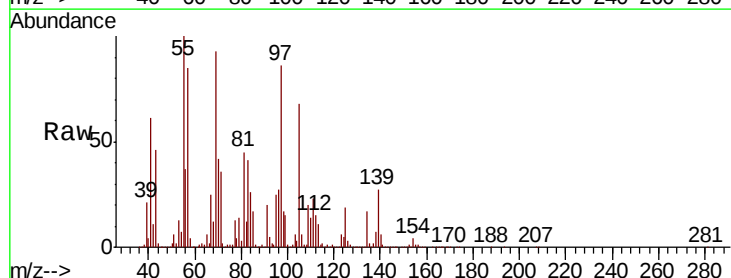
Instrument :
 MSVOA_W
 ClientSampled :

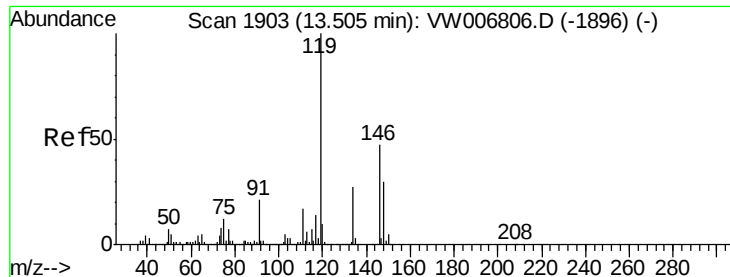
Tot Ion:105 Resp: 9137231
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.4 70.0



#85
 sec-Butylbenzene
 Concen: 145.468 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion:105 Resp: 1181675
 Ion Ratio Lower Upper
 105 100
 134 37.2 10.7 31.9#

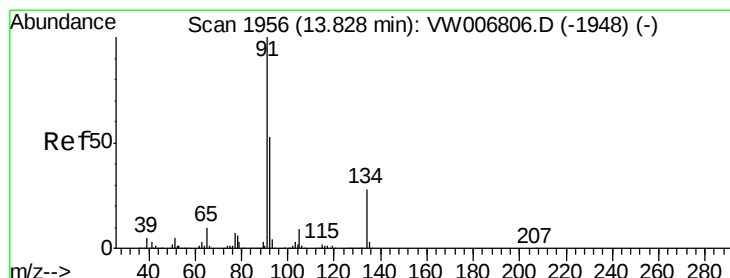
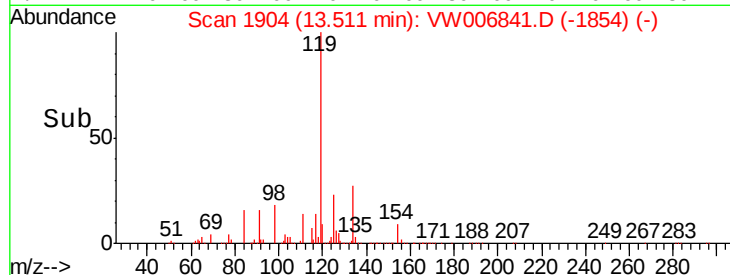
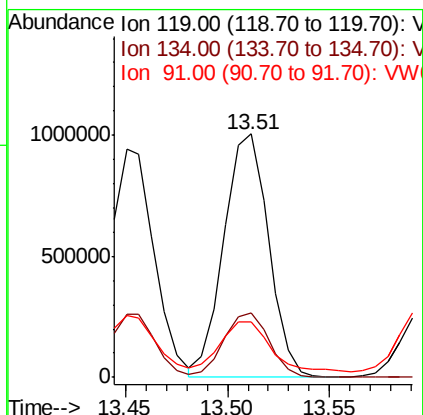
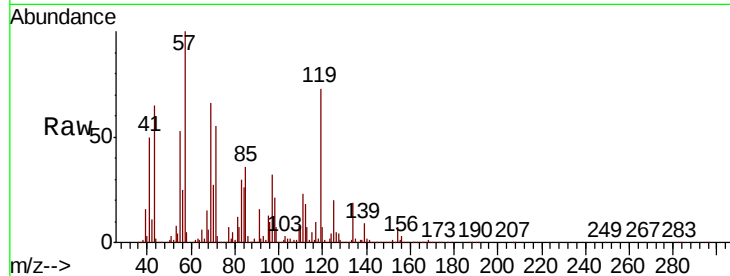




#86
p-Isopropyltoluene
Concen: 206.511 ug/l
RT: 13.51 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

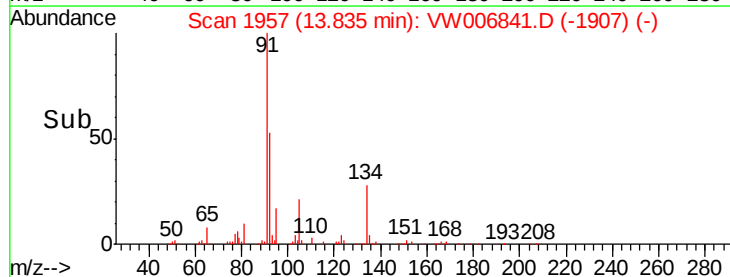
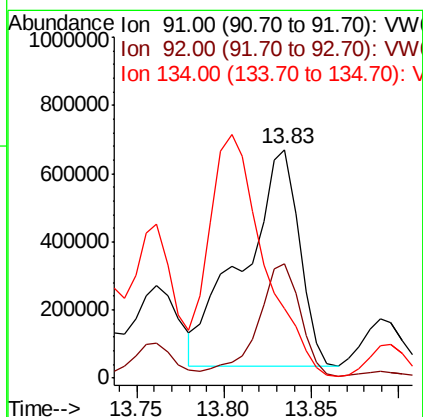
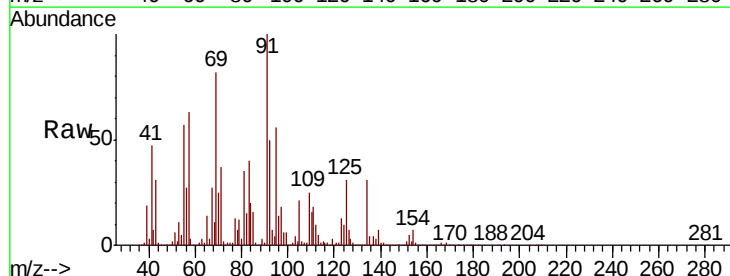
Instrument :
MSVOA_W
ClientSampled :

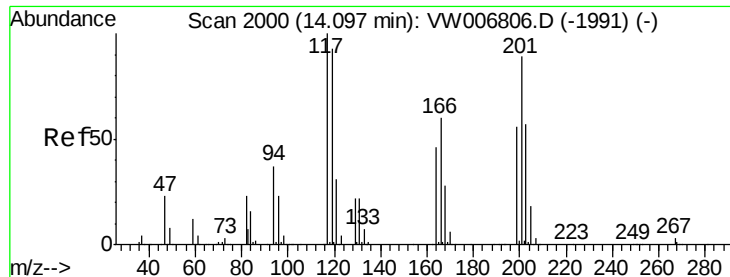
Tot Ion:119 Resp: 1525879
Ion Ratio Lower Upper
119 100
134 27.0 13.5 40.4
91 22.1 10.8 32.4



#89
n-Butylbenzene
Concen: 209.297 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 91 Resp: 1413294
Ion Ratio Lower Upper
91 100
92 39.9 26.5 79.4
134 0.0 14.4 43.2#

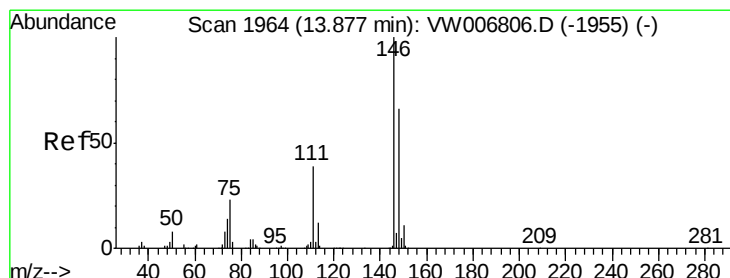
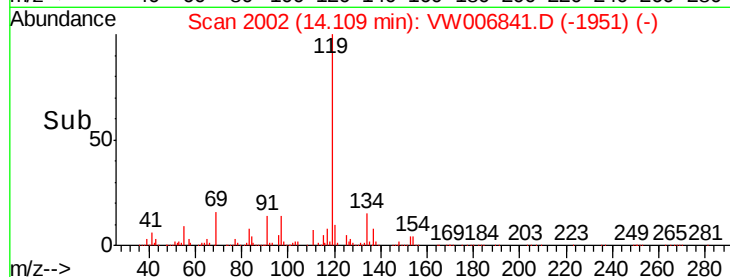
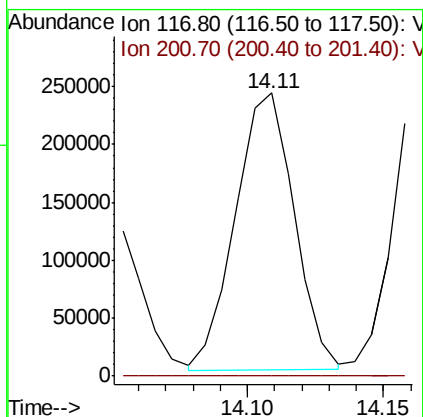
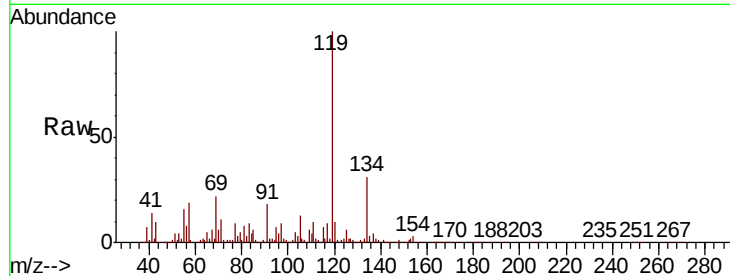




#90
Hexachloroethane
Concen: 302.656 ug/l
RT: 14.11 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

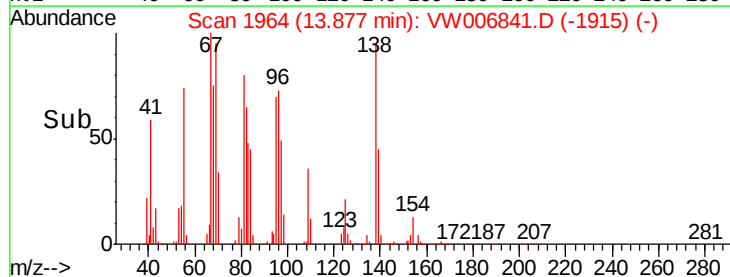
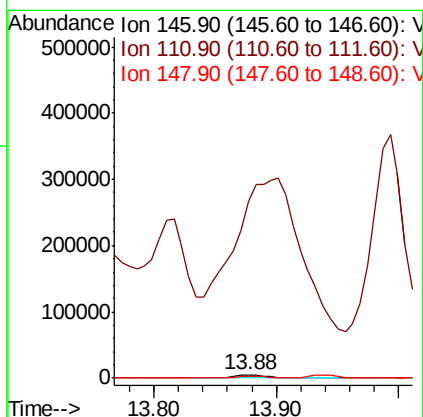
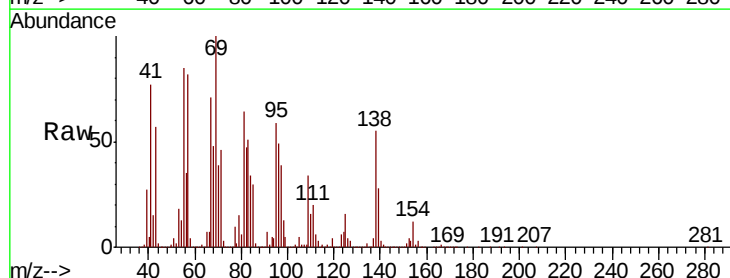
Instrument :
MSVOA_W
ClientSampled :

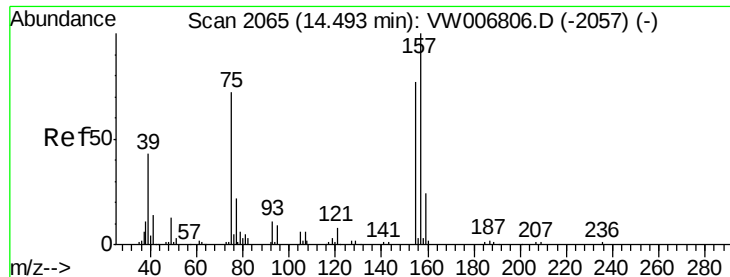
Tot Ion:117 Resp: 357830
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#



#91
1,2-Dichlorobenzene
Concen: 2.842 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion:146 Resp: 9594
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 58.4 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.191 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

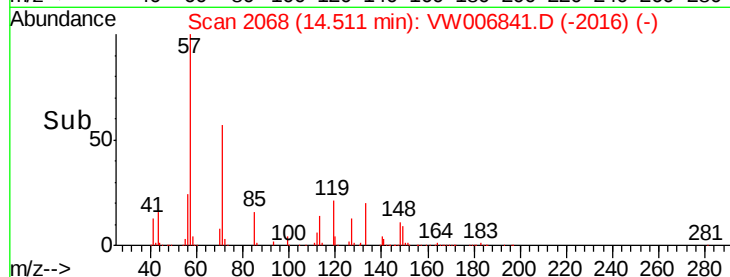
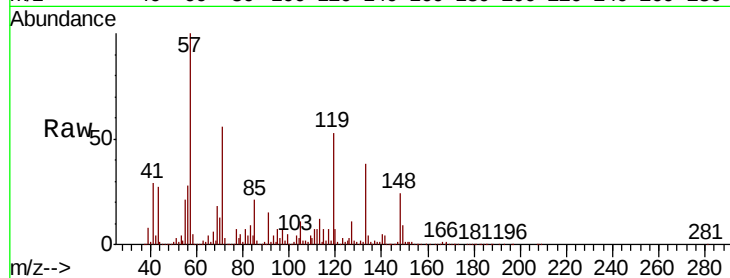
Tot Ion: 75 Resp: 4710

Ion Ratio Lower Upper

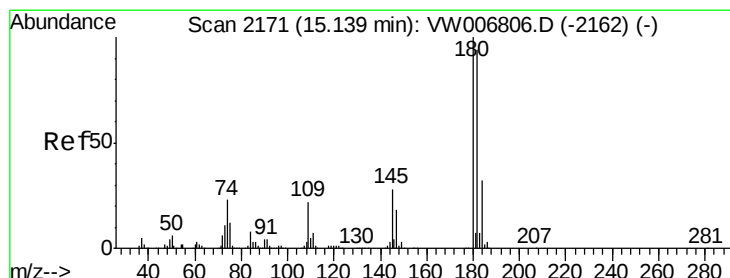
75 100

155 73.1 51.0 153.1

157 0.0 67.4 202.2#



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.416 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

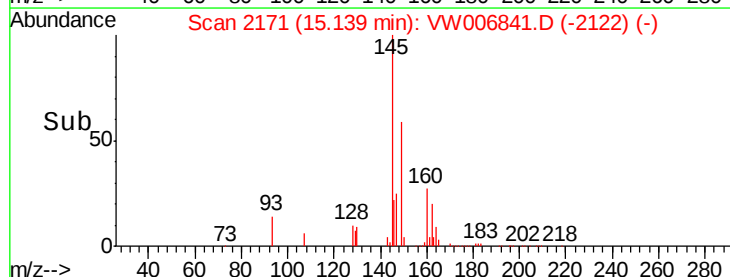
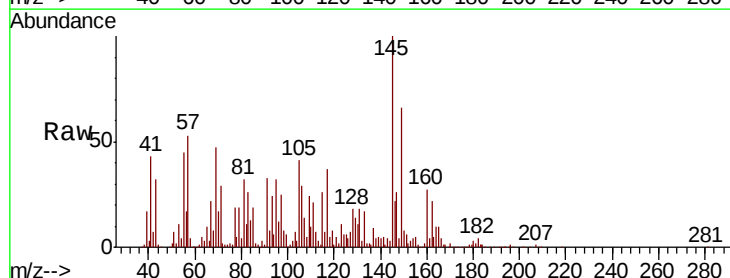
Tgt Ion:180 Resp: 3610

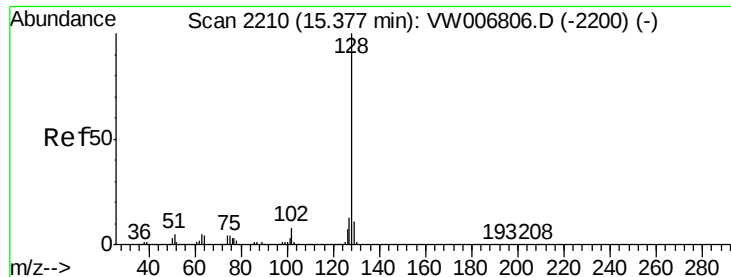
Ion Ratio Lower Upper

180 100

182 169.3 47.5 142.5#

145 5747.1 14.0 41.9#





#95

Naphthalene

Concen: 168.739 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

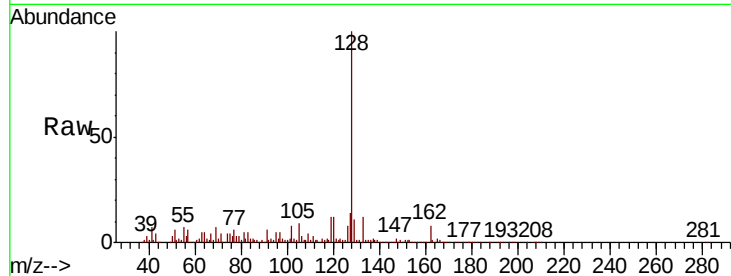
Tot Ion:128 Resp: 643202

Ion Ratio Lower Upper

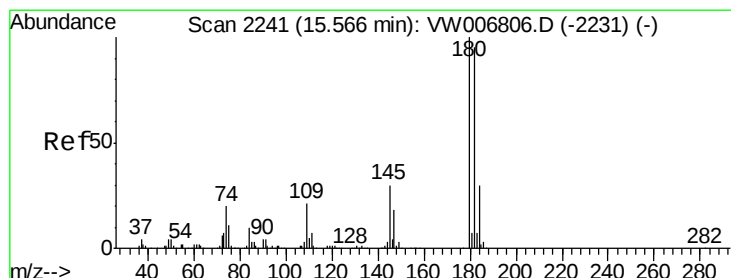
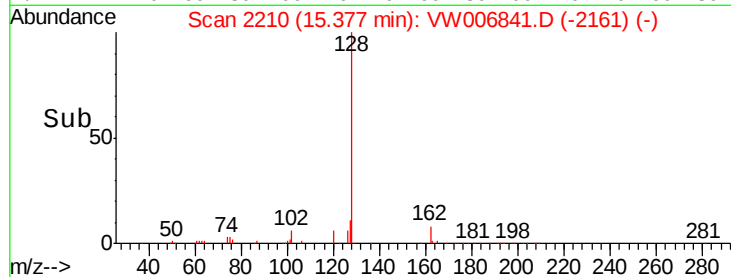
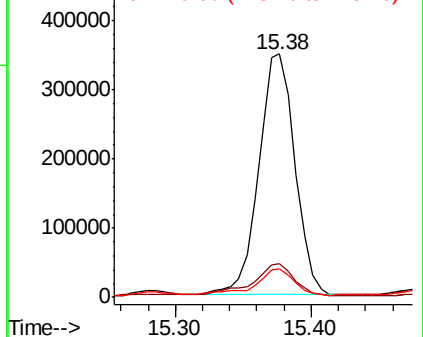
128 100

127 16.0 10.3 15.5#

129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.378 ug/l

RT: 15.58 min Scan# 2244

Delta R.T. 0.02 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

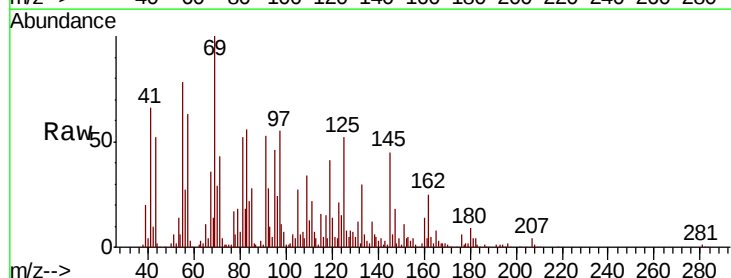
Tgt Ion:180 Resp: 3014

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

145 0.0 15.2 45.5#



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

