

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007750.D
 Acq On : 20 Dec 2018 16:41
 Operator : SY/AP
 Sample : J6392-10
 Misc : 6.72G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:52:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	45508	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.87	114	86710	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.65	117	75906	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.58	152	23424	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	19349	38.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	77.58%	
35) Dibromofluoromethane	7.90	113	23229	43.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.82%	
50) Toluene-d8	10.39	98	258399	129.58	ug/l	0.07
Spiked Amount	50.000		Recovery	=	259.16%	
62) 4-Bromofluorobenzene	12.63	95	150988	195.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	391.98%	

Target Compounds

						Qvalue
3) Chloromethane	2.15	50	5201	20.936	ug/l #	43
11) Tert butyl alcohol	5.19	59	1722	51.178	ug/l #	73
13) Acrolein	3.85	56	3092	114.932	ug/l #	1
14) Allyl chloride	4.79	41	25193	42.788	ug/l #	59
15) Acrylonitrile	5.46	53	190235	2211.527	ug/l #	39
16) Acetone	4.13	43	134893	1444.207	ug/l #	62
19) Methyl tert-butyl Ether	5.43	73	27466	42.610	ug/l #	1
20) Methylene Chloride	4.80	84	11159	20.122	ug/l #	23
23) Vinyl Acetate	6.46	43	15587	23.796	ug/l #	85
24) 1,1-Dichloroethane	6.32	63	22080	27.224	ug/l #	81
26) 2,2-Dichloropropane	7.01	77	48777	82.185	ug/l #	53
28) Bromochloromethane	7.73	49	13666	49.419	ug/l #	1
29) Tetrahydrofuran	7.54	42	3986	61.082	ug/l #	27
30) Chloroform	7.65	83	394731	430.053	ug/l #	18
31) Cyclohexane	7.98	56	2209390	2975.589	ug/l #	73
36) 1,1-Dichloropropene	7.96	75	2321	2.773	ug/l #	47
37) Ethyl Acetate	7.54	43	18738	64.876	ug/l #	68
38) Carbon Tetrachloride	7.97	117	4884	4.955	ug/l #	11
39) Methylcyclohexane	9.37	83	5410713	5202.874	ug/l #	84
40) Benzene	8.35	78	3543422	1586.649	ug/l	99
41) Methacrylonitrile	7.54	41	42708	260.442	ug/l #	46
42) 1,2-Dichloroethane	8.35	62	32531	43.467	ug/l #	77
43) Isopropyl Acetate	8.52	43	8096902	13992.655	ug/l #	49
45) 1,2-Dichloropropane	9.35	63	120830	243.835	ug/l #	1
46) Dibromomethane	9.36	93	18442	60.457	ug/l #	1
47) Bromodichloromethane	9.65	83	349140	435.374	ug/l #	88
48) Methyl methacrylate	9.54	41	489331	1694.140	ug/l #	6
49) 1,4-Dioxane	9.35	88	57	11.786	ug/l #	26
51) 4-Methyl-2-Pentanone	10.15	43	8276705	30265.442	ug/l #	39
53) t-1,3-Dichloropropene	10.43	75	698189	875.302	ug/l #	1
54) cis-1,3-Dichloropropene	9.88	75	9135	10.368	ug/l #	1
55) 1,1,2-Trichloroethane	10.79	97	1966193	4675.545	ug/l #	25
56) Ethyl methacrylate	10.71	69	235341	473.661	ug/l #	46
58) 2-Chloroethyl Vinyl ether	9.88	63	186685	822.943	ug/l #	42

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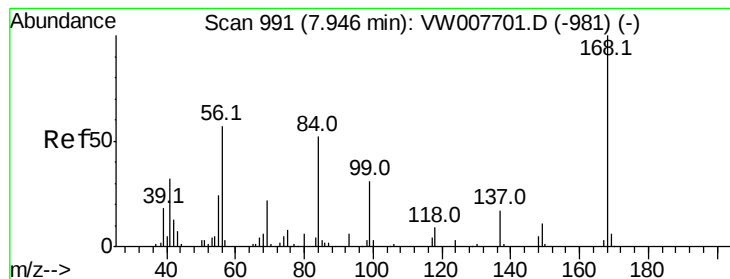
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:52:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
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 Response via : Initial Calibration

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

59) 2-Hexanone	10.96	43	1427900	7424.470	ug/l #	28
60) Dibromochloromethane	11.08	129	13538	24.314	ug/l #	11
61) 1,2-Dibromoethane	11.32	107	20149	47.314	ug/l #	1
65) Chlorobenzene	11.83	112	31027	18.885	ug/l #	47
66) 1,1,1,2-Tetrachloroethane	11.91	131	3643	6.206	ug/l #	9
68) m/p-Xylenes	11.76	106	19547903	17874.294	ug/l #	1
69) o-Xylene	12.24	106	29999560	29263.870	ug/l #	1
70) Styrene	12.22	104	1858159	1102.682	ug/l #	1
73) Isopropylbenzene	12.48	105	19474170	10998.669	ug/l	93
74) N-amyl acetate	12.27	43	782332	2550.866	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.69	83	102364	385.593	ug/l #	78
76) 1,2,3-Trichloropropane	12.83	75	224282	1238.815	ug/l #	100
77) Bromobenzene	12.76	156	2769	6.824	ug/l #	1
78) n-propylbenzene	12.98	91	2535859	1230.352	ug/l #	1
79) 2-Chlorotoluene	12.98	91	2535859	2112.018	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.12	105	21698200	14207.235	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.49	75	288366	3343.363	ug/l #	39
82) 4-Chlorotoluene	12.98	91	2535859	1983.554	ug/l #	42
83) tert-Butylbenzene	13.29	119	7519562	5611.375	ug/l #	77
84) 1,2,4-Trimethylbenzene	13.12	105	21698200	14079.733	ug/l	96
85) sec-Butylbenzene	13.40	105	1888688	1022.659	ug/l #	49
86) p-Isopropyltoluene	13.52	119	17908982	10664.183	ug/l	93
89) n-Butylbenzene	13.83	91	2255491	1464.830	ug/l #	82
90) Hexachloroethane	14.11	117	534614	1813.298	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3100	56.862	ug/l #	8
95) Naphthalene	15.37	128	1285649	1388.777	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 997

Delta R.T. 0.04 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

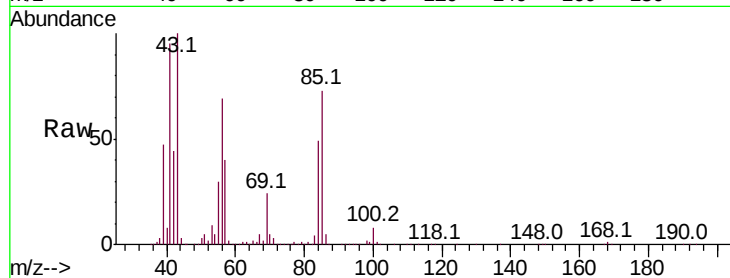
ClientSampleId :

Tot Ion:168 Resp: 45508

Ion Ratio Lower Upper

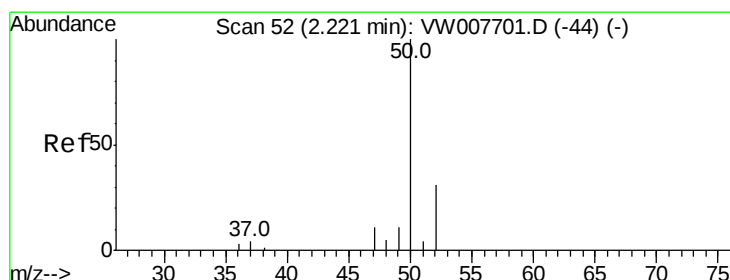
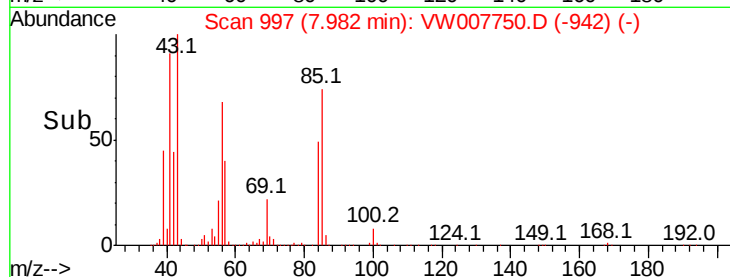
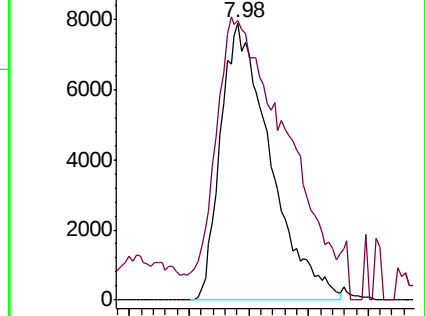
168 100

99 90.7 54.0 81.0#



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 20.936 ug/l

RT: 2.15 min Scan# 40

Delta R.T. -0.07 min

Lab File: VW007750.D

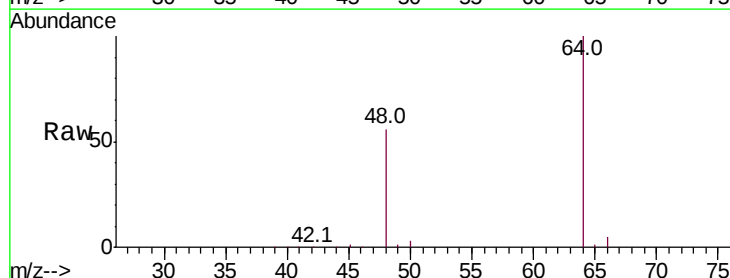
Acq: 20 Dec 2018 16:41

Tgt Ion: 50 Resp: 5201

Ion Ratio Lower Upper

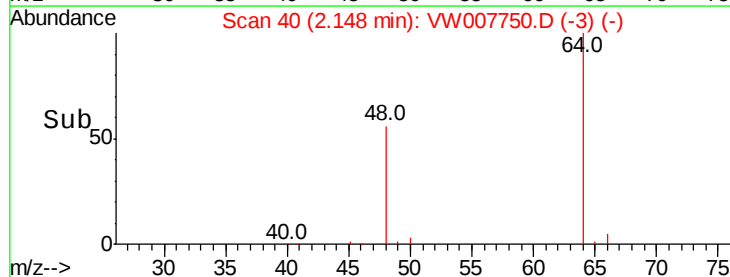
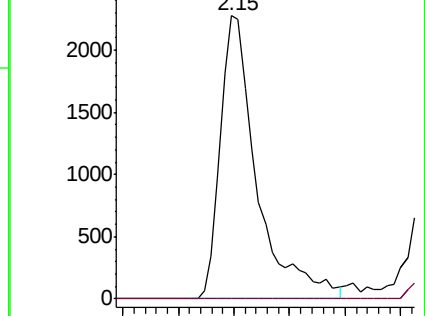
50 100

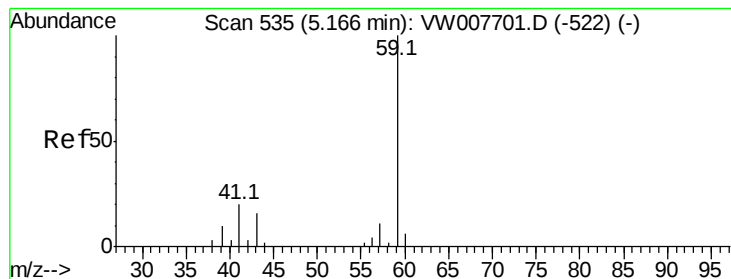
52 0.0 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



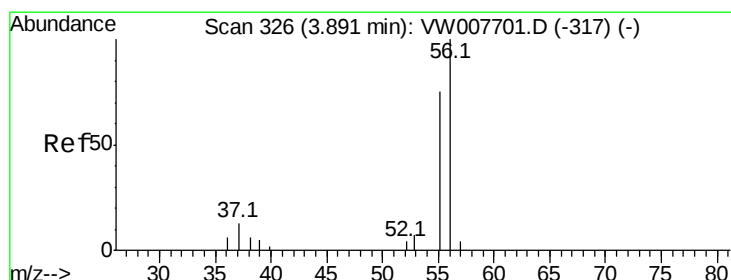
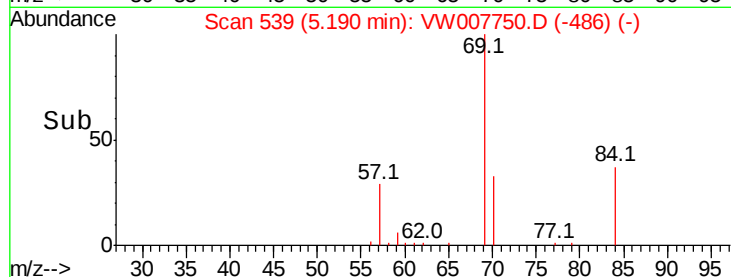
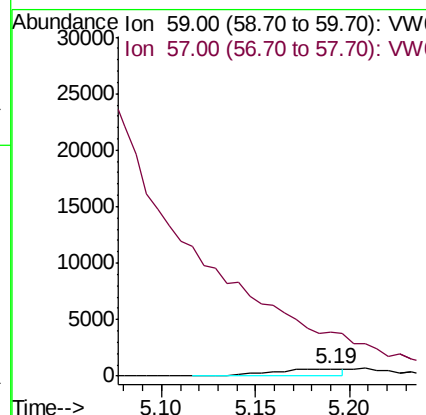
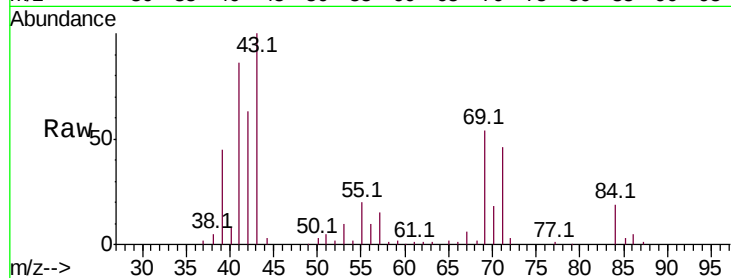


#11

Tert butyl alcohol
Concen: 51.178 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Instrument :
MSVOA_W
ClientSampled :

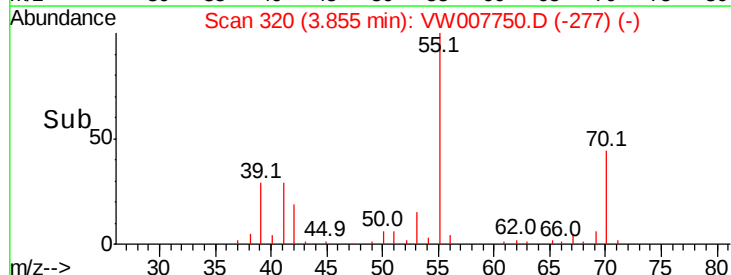
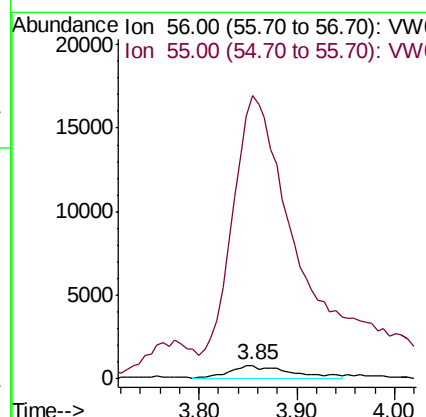
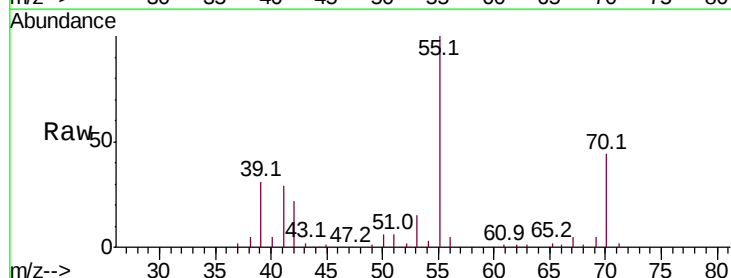
Tot Ion: 59 Resp: 1722
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

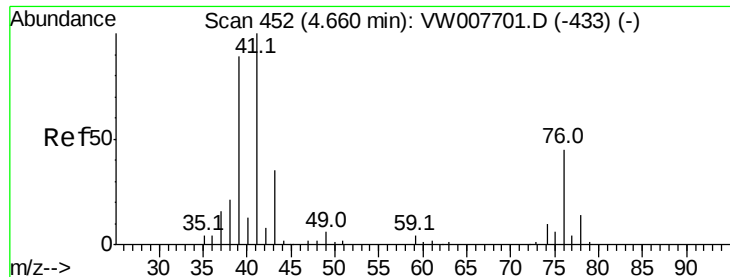


#13

Acrolein
Concen: 114.932 ug/l
RT: 3.85 min Scan# 320
Delta R.T. -0.04 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 56 Resp: 3092
Ion Ratio Lower Upper
56 100
55 2486.7 57.7 86.5#

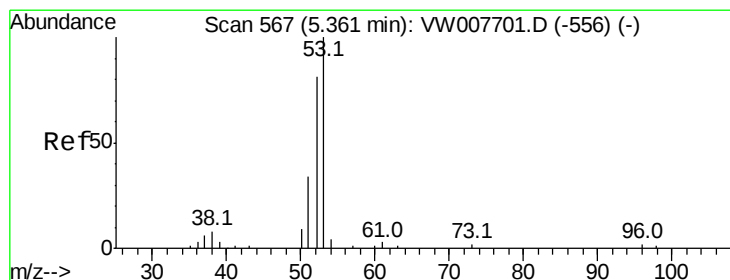
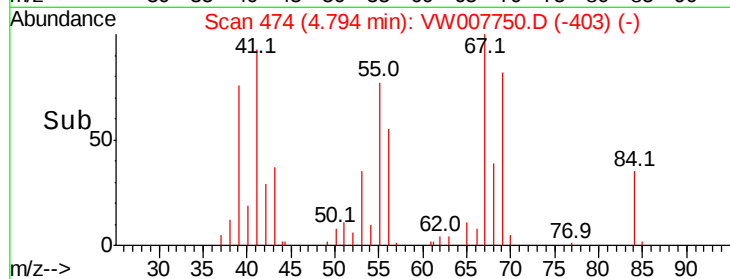
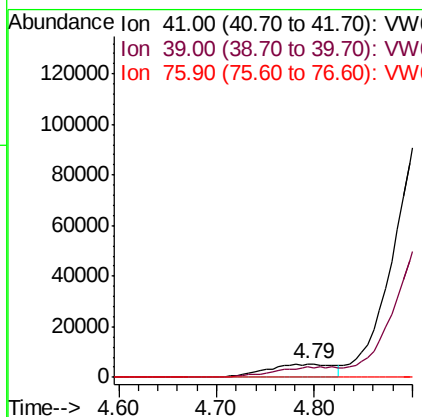
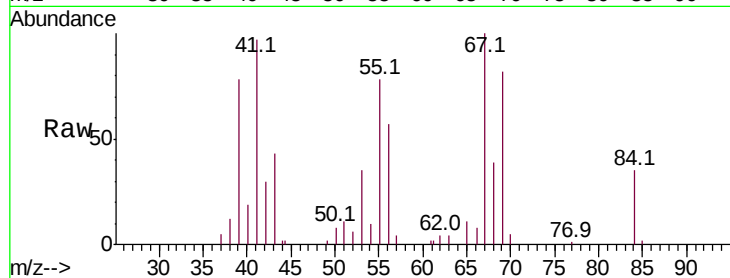




#14
Allvl chloride
Concen: 42.788 ug/l
RT: 4.79 min Scan# 474
Delta R.T. 0.13 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

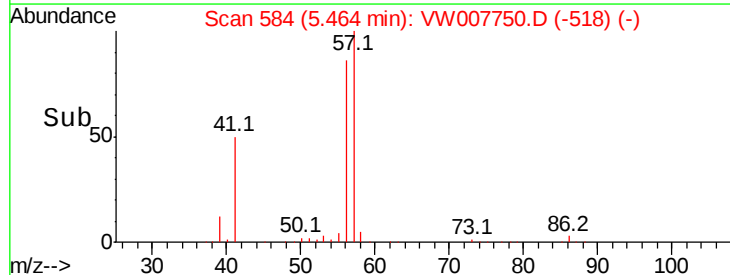
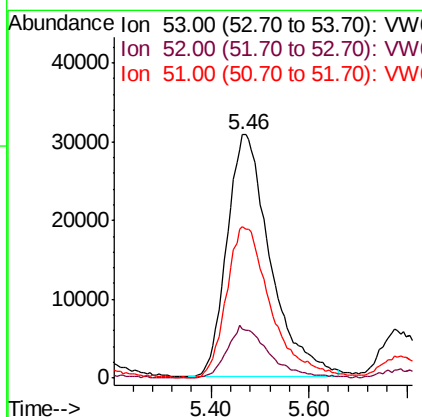
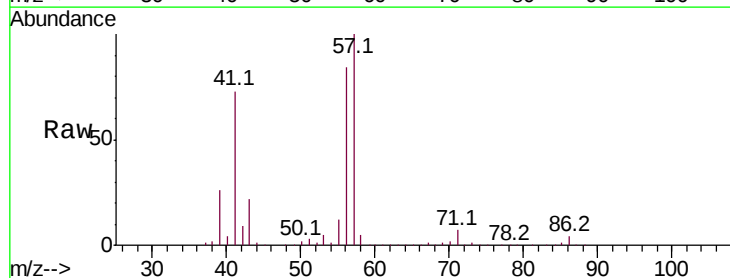
Instrument :
MSVOA_W
ClientSampleId :

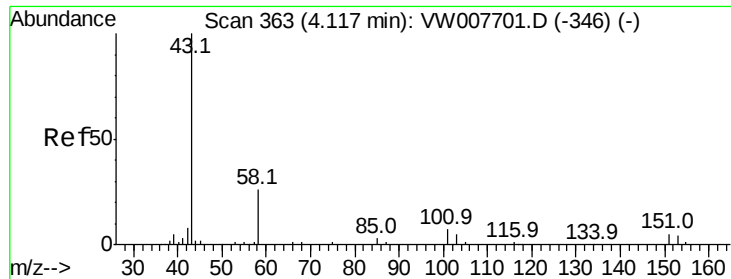
Tot Ion: 41 Resp: 25193
Ion Ratio Lower Upper
41 100
39 61.7 69.5 104.3#
76 0.0 34.8 52.2#



#15
Acrylonitrile
Concen: 2211.527 ug/l
RT: 5.46 min Scan# 584
Delta R.T. 0.10 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 53 Resp: 190235
Ion Ratio Lower Upper
53 100
52 20.7 67.0 100.4#
51 62.6 30.2 45.2#





#16

Acetone

Concen: 1444.207 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

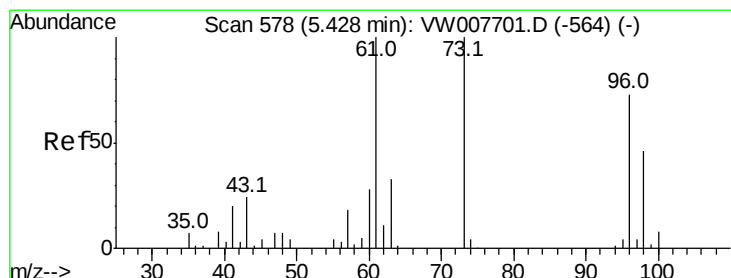
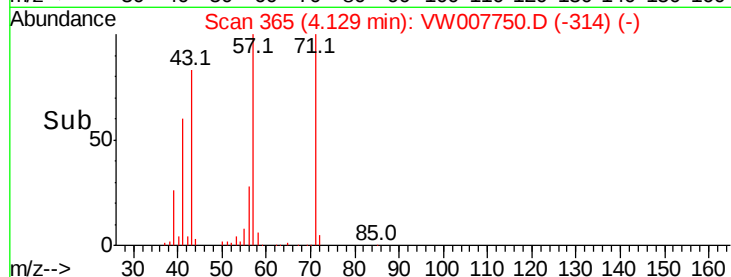
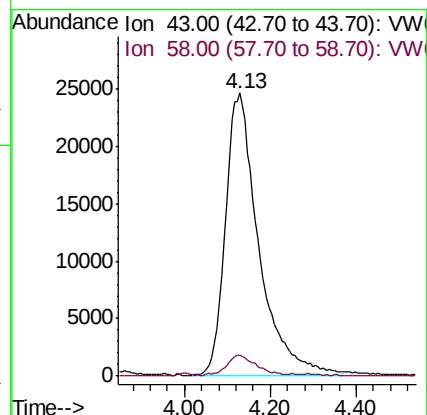
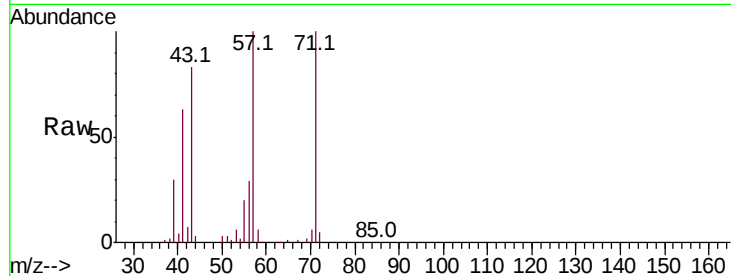
ClientSampled :

Tot Ion: 43 Resp: 134893

Ion Ratio Lower Upper

43 100

58 6.9 21.2 31.8#



#19

Methyl tert-butyl Ether

Concen: 42.610 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007750.D

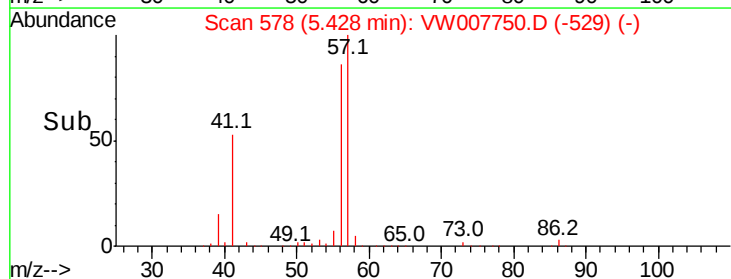
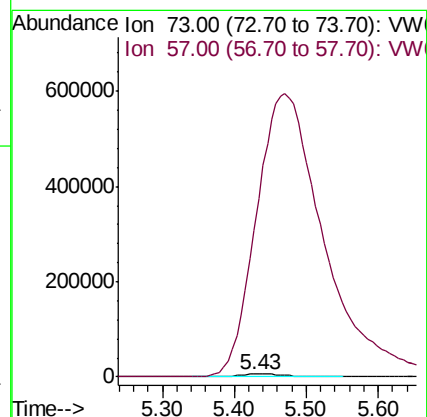
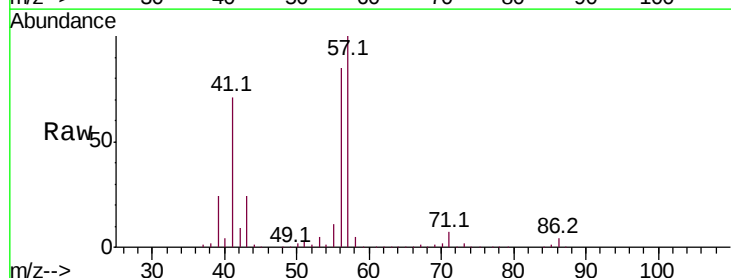
Acq: 20 Dec 2018 16:41

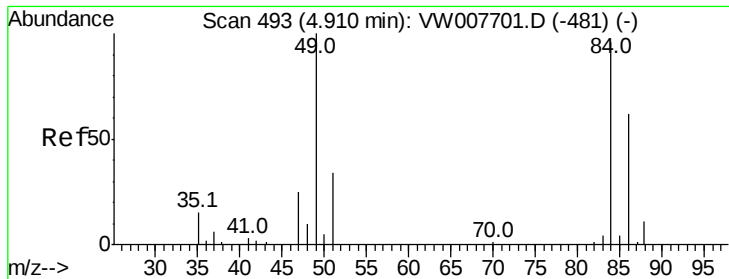
Tgt Ion: 73 Resp: 27466

Ion Ratio Lower Upper

73 100

57 4979.5 14.7 22.1#





#20

Methylene Chloride

Concen: 20.122 ug/l

RT: 4.80 min Scan# 475

Delta R.T. -0.11 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 11159

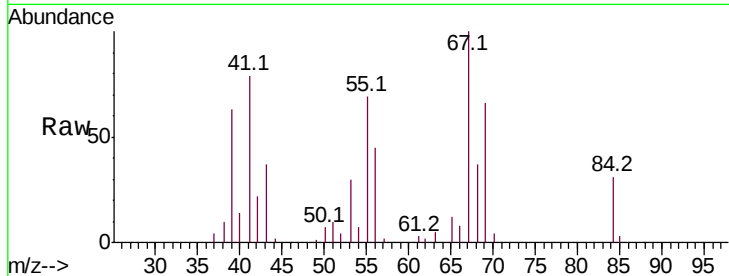
Ion Ratio Lower Upper

84 100

49 4.5 83.7 125.5#

51 32.9 28.2 42.2

86 0.0 52.2 78.2#

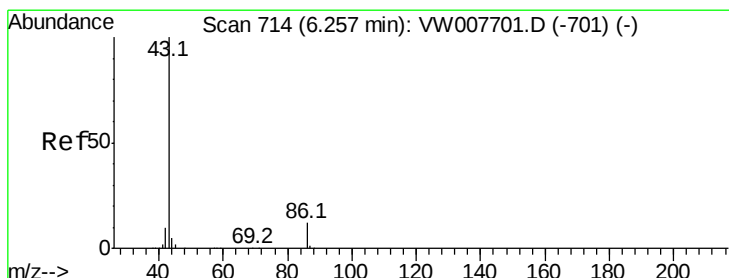
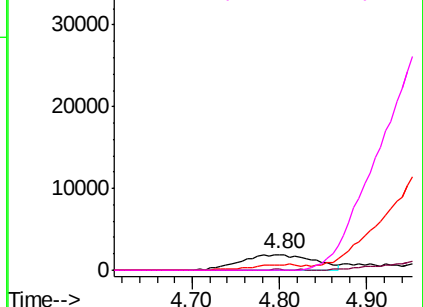
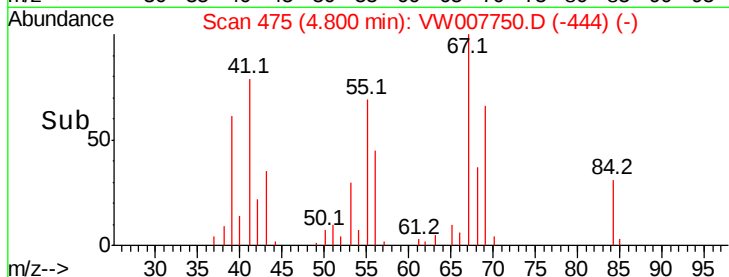


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#23

Vinyl Acetate

Concen: 23.796 ug/l

RT: 6.46 min Scan# 747

Delta R.T. 0.20 min

Lab File: VW007750.D

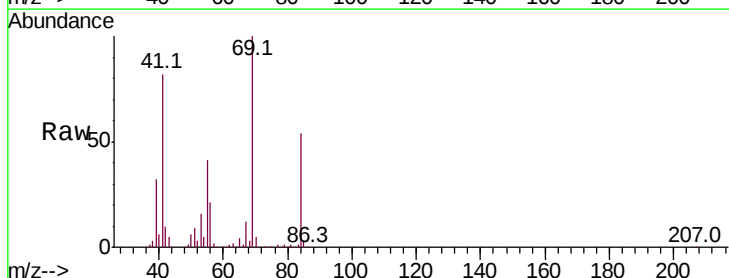
Acq: 20 Dec 2018 16:41

Tgt Ion: 43 Resp: 15587

Ion Ratio Lower Upper

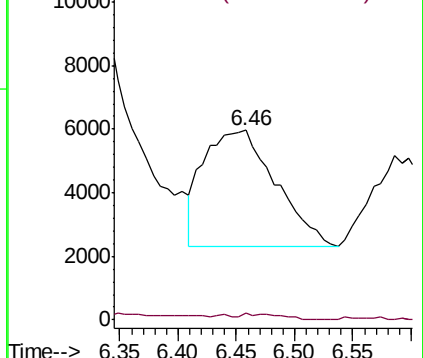
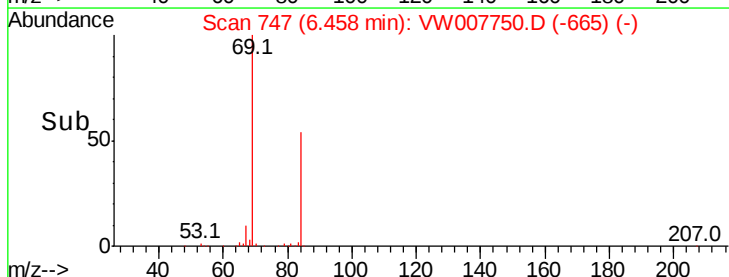
43 100

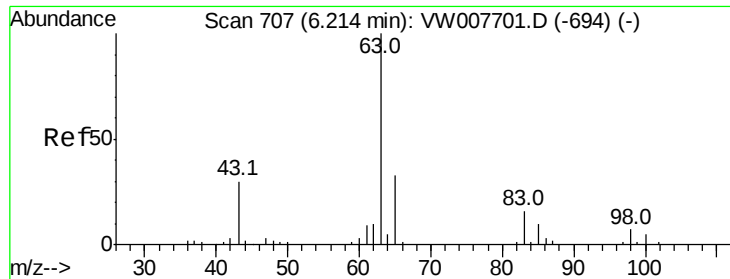
86 6.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 27.224 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.11 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

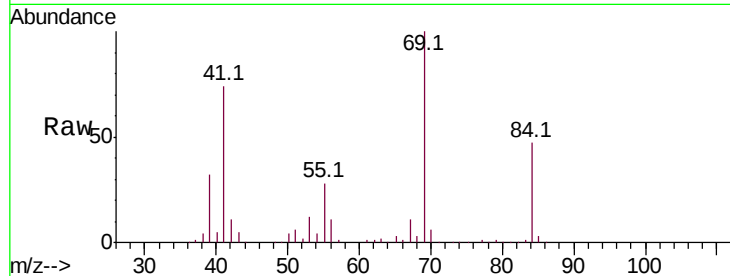
Tot Ion: 63 Resp: 22080

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

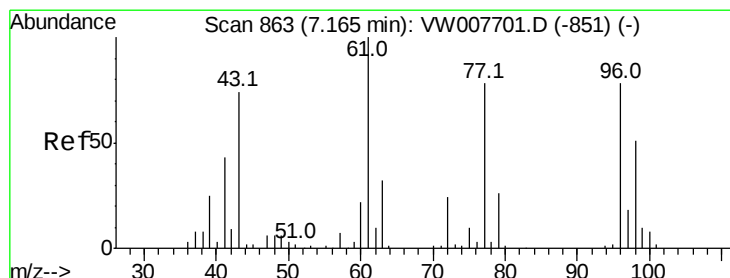
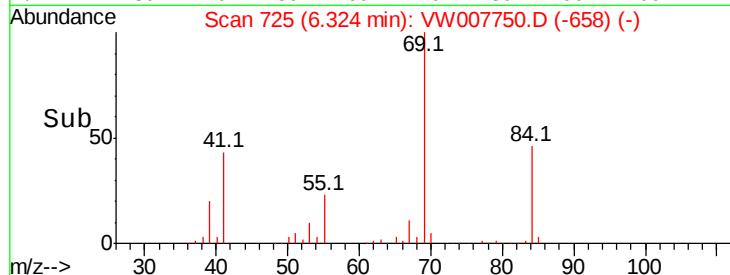
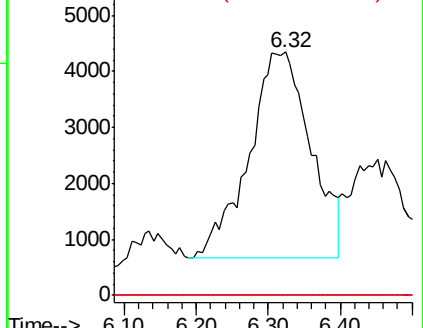
100 0.0 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#26

2,2-Dichloropropane

Concen: 82.185 ug/l

RT: 7.01 min Scan# 838

Delta R.T. -0.15 min

Lab File: VW007750.D

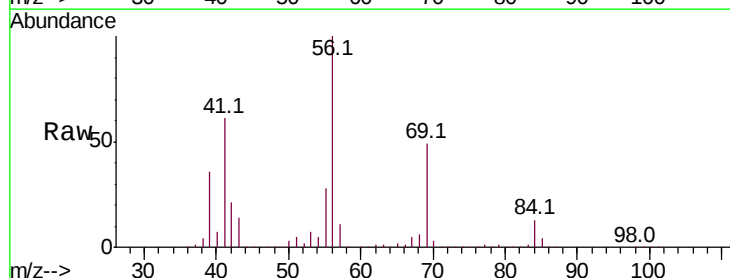
Acq: 20 Dec 2018 16:41

Tgt Ion: 77 Resp: 48777

Ion Ratio Lower Upper

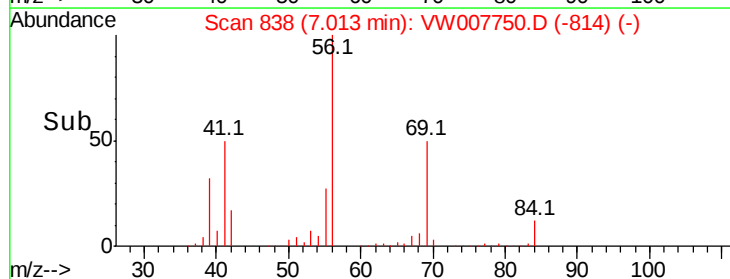
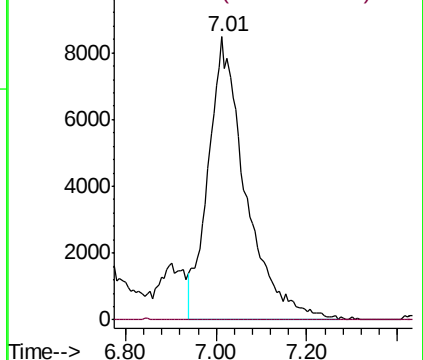
77 100

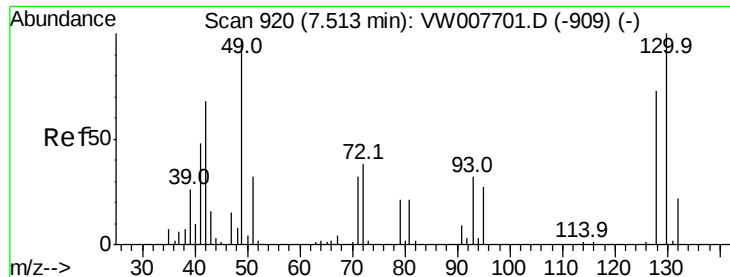
97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#28

Bromochloromethane

Concen: 49.419 ug/l

RT: 7.73 min Scan# 956

Delta R.T. 0.22 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

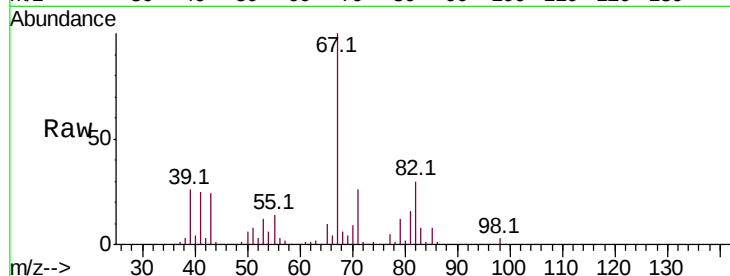
Tot Ion: 49 Resp: 13666

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

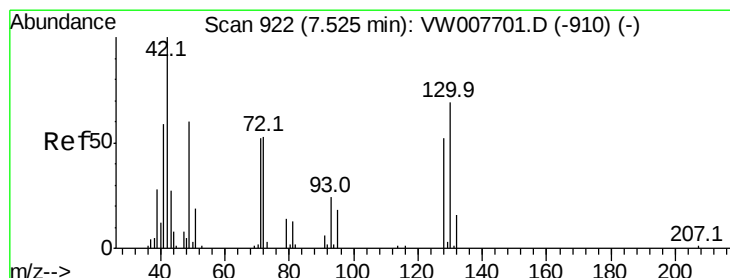
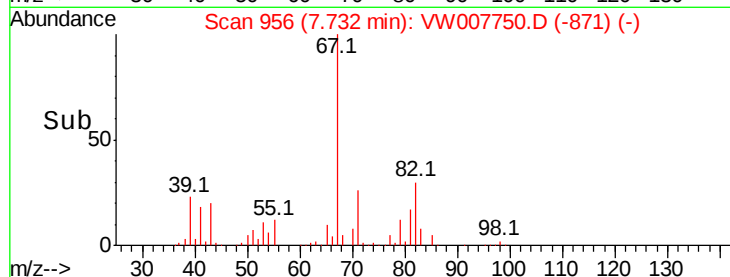
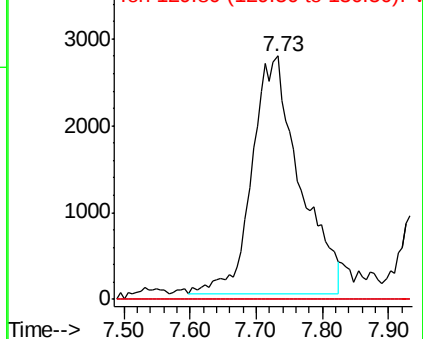
130 0.0 81.5 122.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 61.082 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

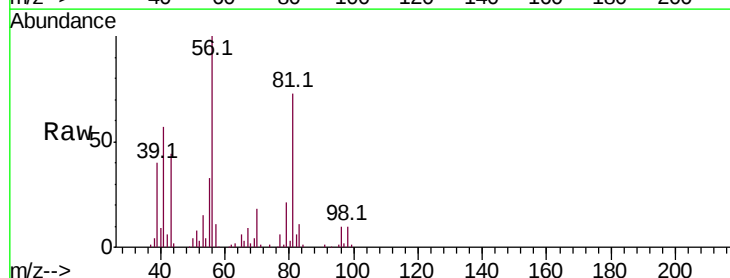
Tgt Ion: 42 Resp: 3986

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

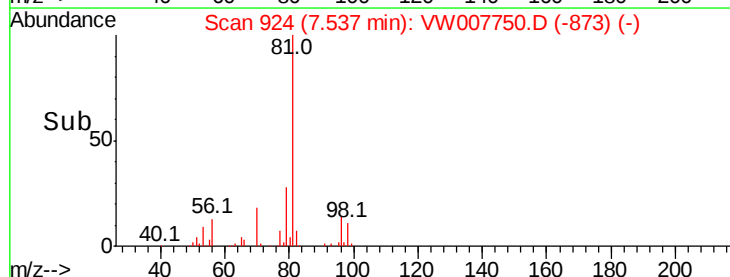
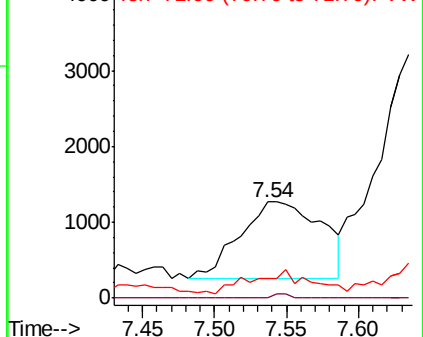
71 0.0 39.0 58.6#

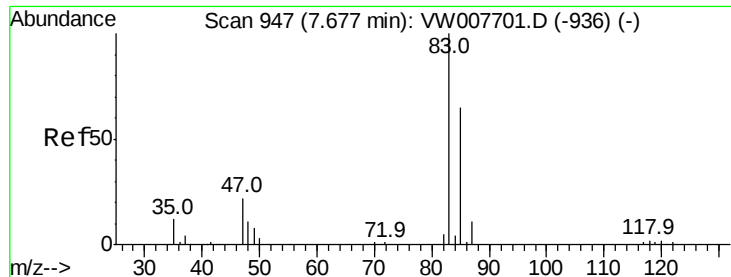


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

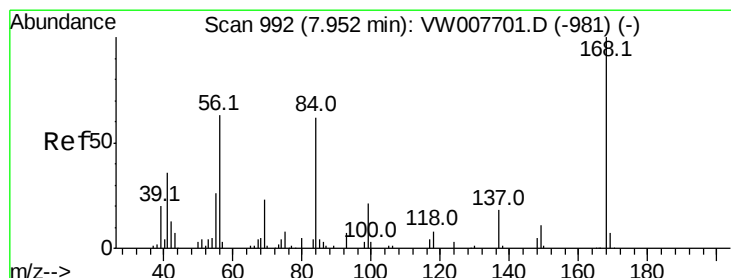
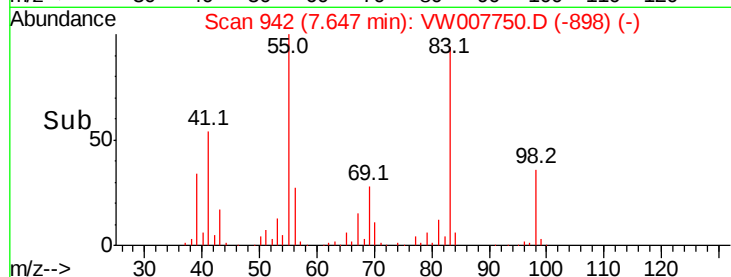
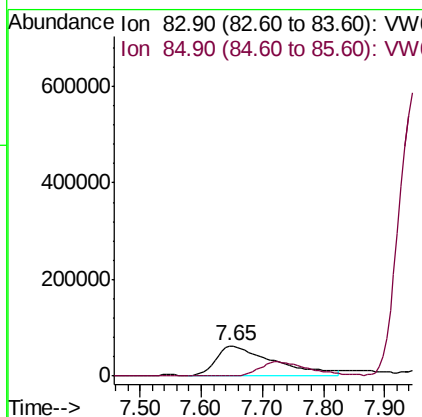
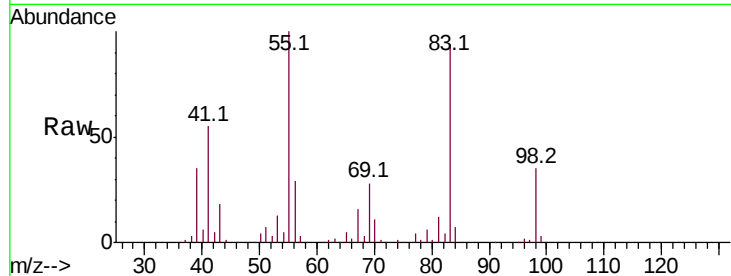




#30
Chloroform
Concen: 430.053 ug/l
RT: 7.65 min Scan# 942
Delta R.T. -0.03 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

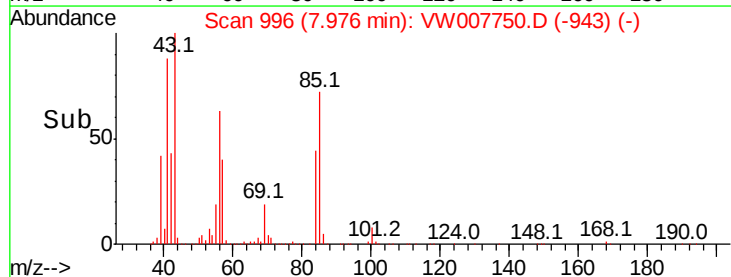
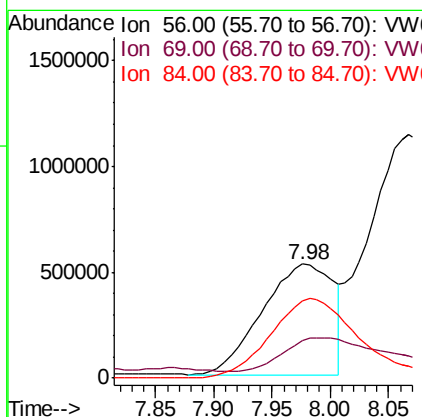
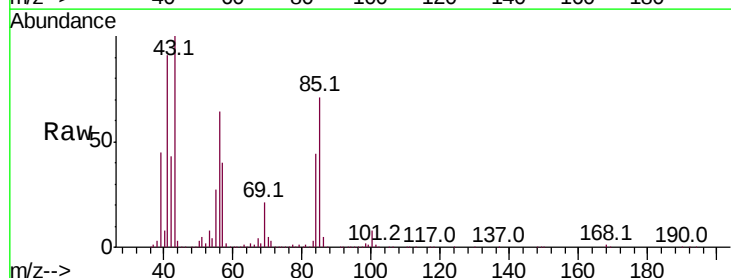
Instrument :
MSVOA_W
ClientSampleId :

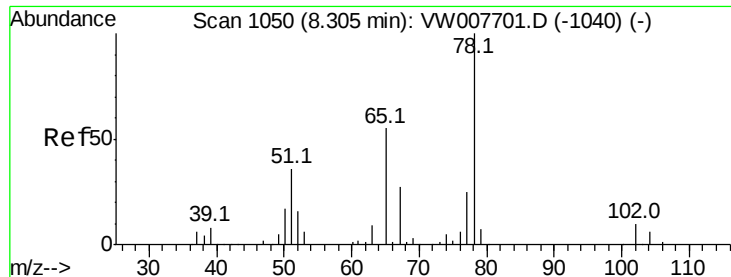
Tot Ion: 83 Resp: 394731
Ion Ratio Lower Upper
83 100
85 0.6 52.2 78.2#



#31
Cyclohexane
Concen: 2975.589 ug/l
RT: 7.98 min Scan# 996
Delta R.T. 0.02 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 56 Resp: 2209390
Ion Ratio Lower Upper
56 100
69 25.0 29.7 44.5#
84 69.4 78.9 118.3#

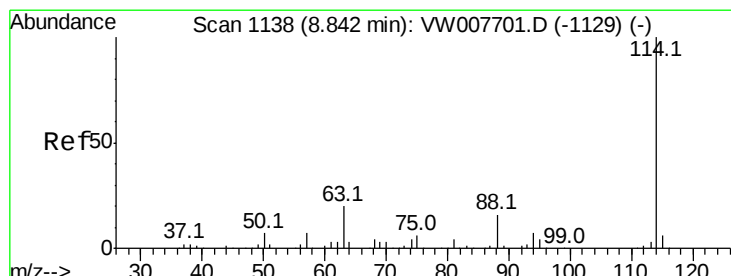
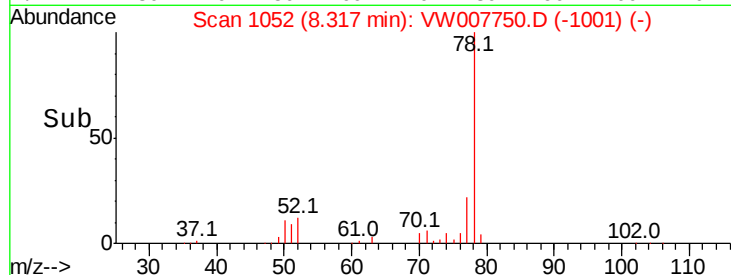
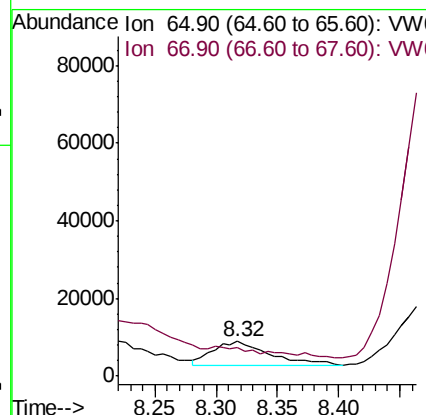
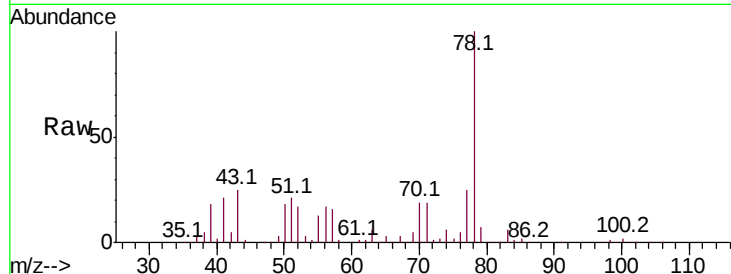




#33
 1,2-Dichloroethane-d4
 Concen: 38.792 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

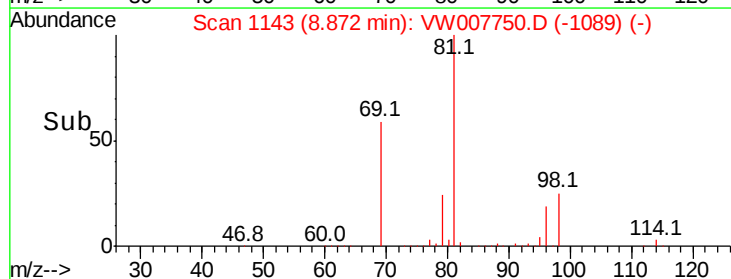
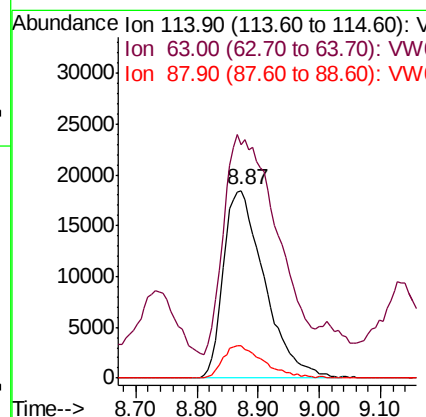
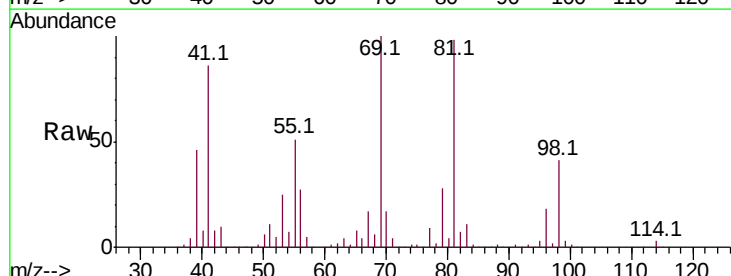
Instrument :
 MSVOA_W
 ClientSampleId :

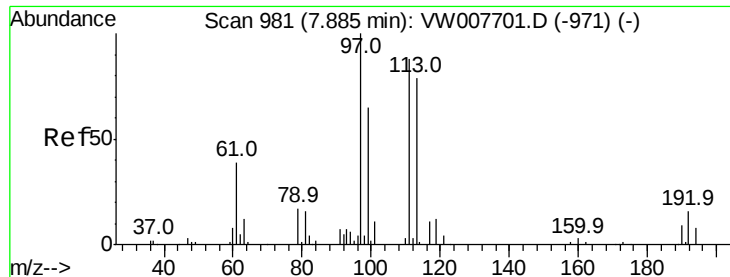
Tot Ion: 65 Resp: 19349
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1143
 Delta R.T. 0.03 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

Tgt Ion: 114 Resp: 86710
 Ion Ratio Lower Upper
 114 100
 63 108.0 0.0 40.0#
 88 17.4 0.0 32.6

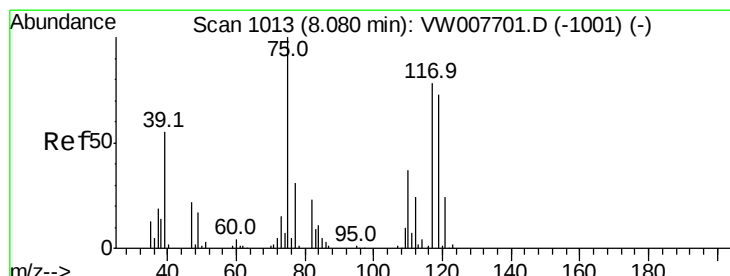
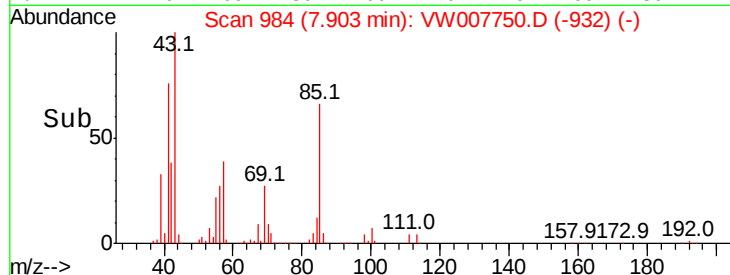
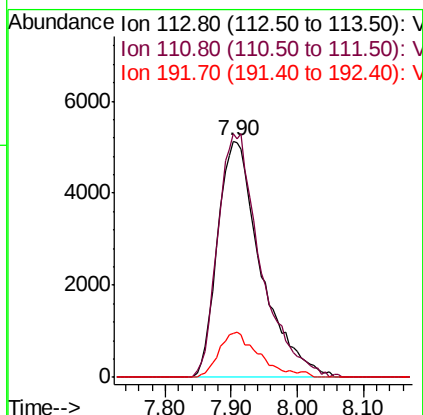
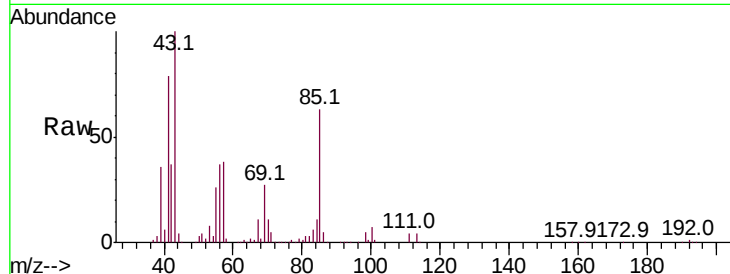




#35
 Dibromofluoromethane
 Concen: 43.913 ug/l
 RT: 7.90 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

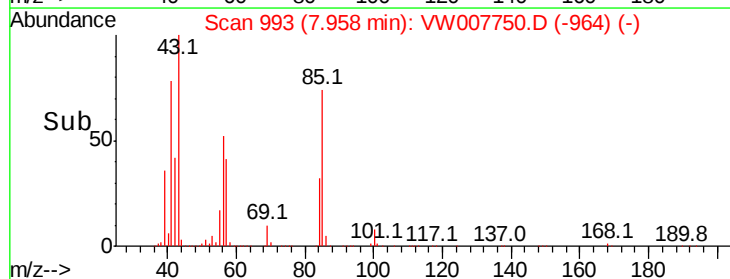
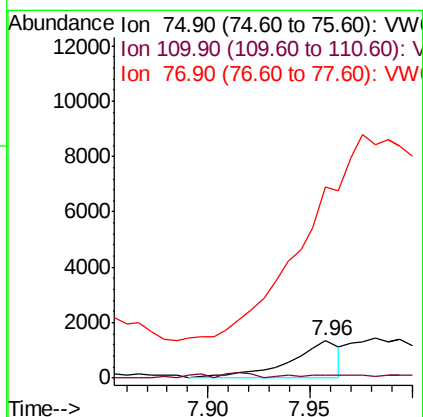
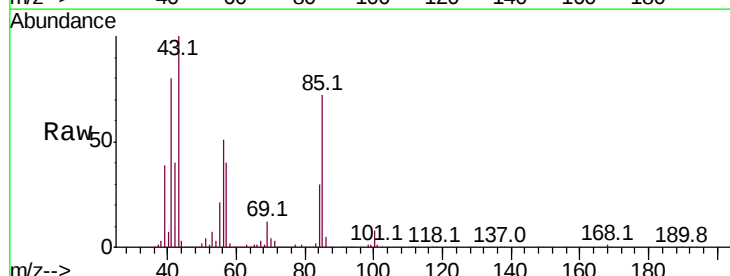
Instrument :
 MSVOA_W
 ClientSampleId :

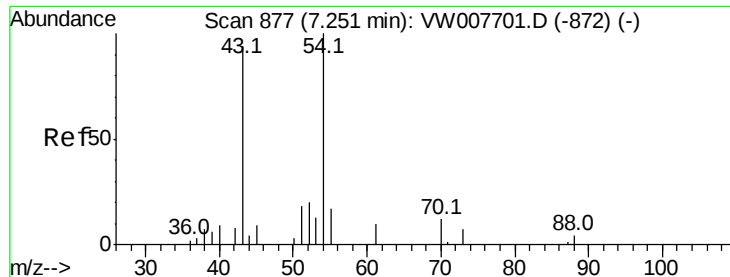
Tot Ion:113 Resp: 23229
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 17.6 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 2.773 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

Tgt Ion: 75 Resp: 2321
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.6 55.8#
 77 0.0 25.0 37.4#

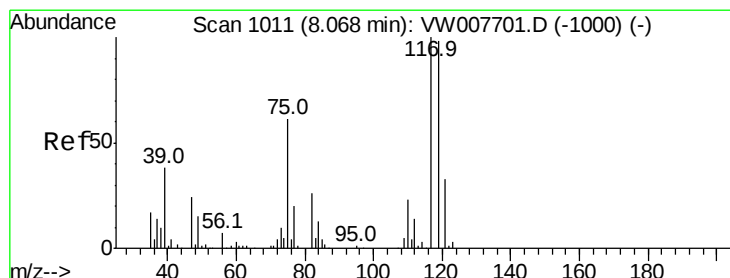
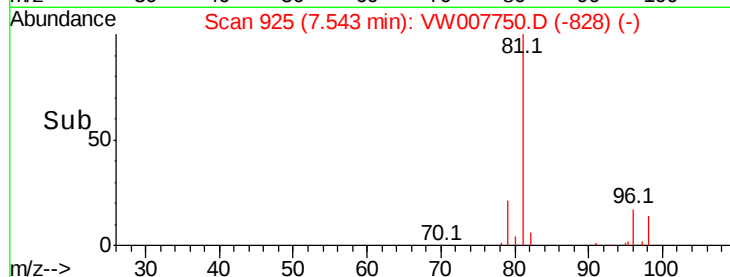
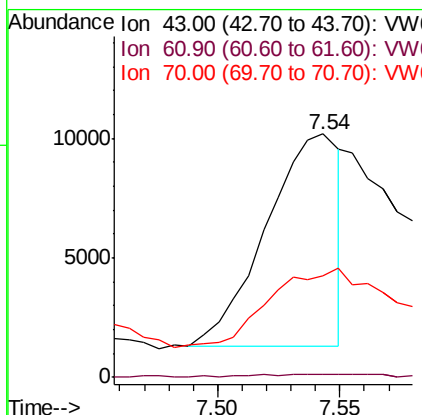
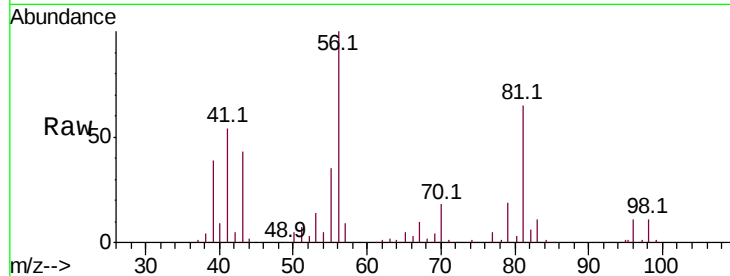




#37
Ethyl Acetate
Concen: 64.876 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.29 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

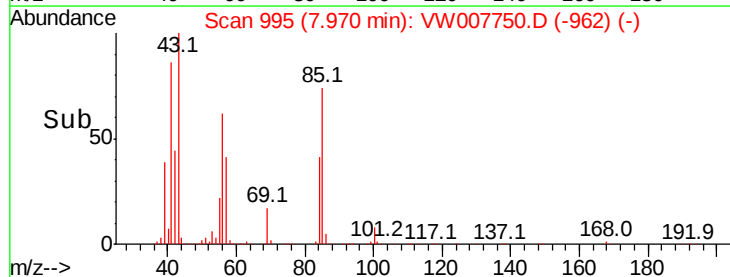
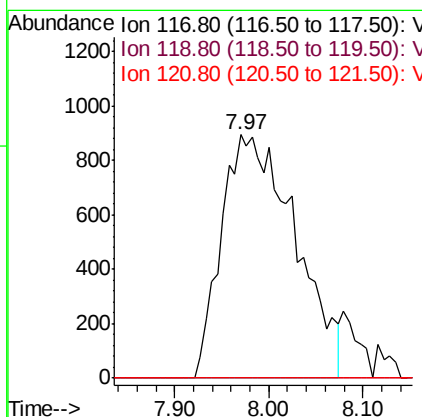
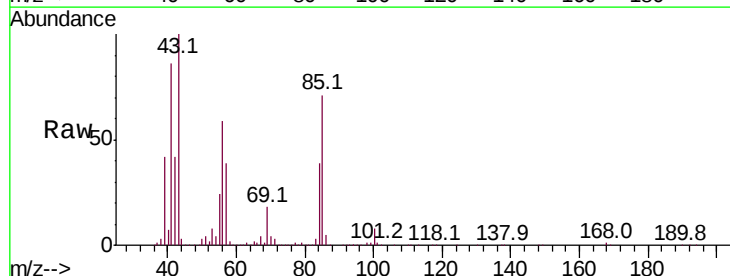
Instrument :
MSVOA_W
ClientSampled :

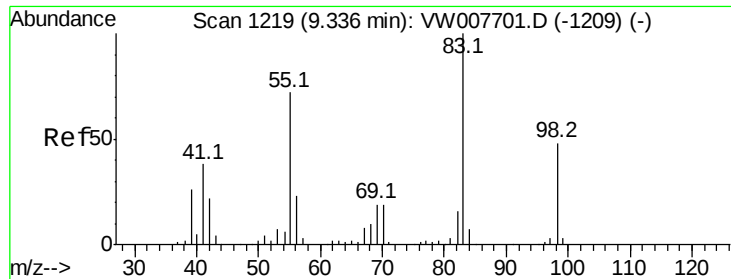
Tot Ion: 43 Resp: 18738
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 7.97 min Scan# 995
Delta R.T. -0.10 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 117 Resp: 4884
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 26.1 39.1#

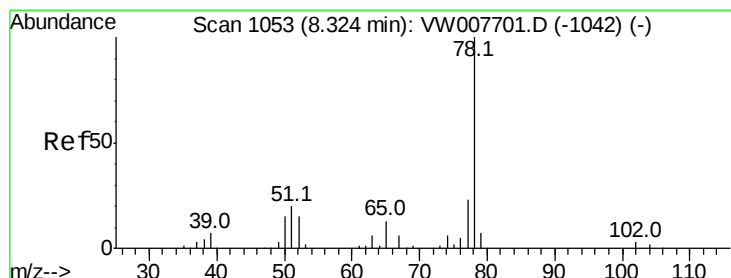
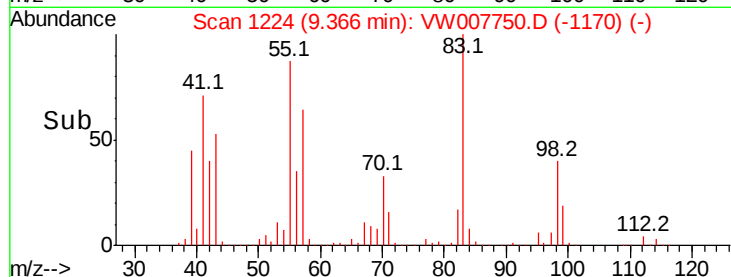
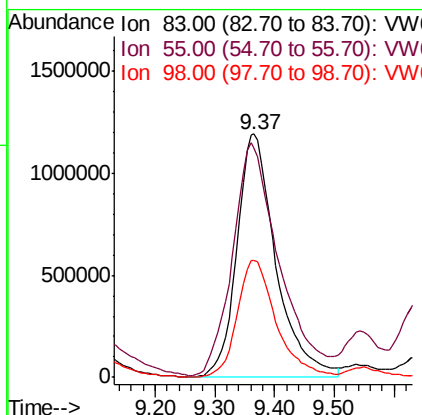
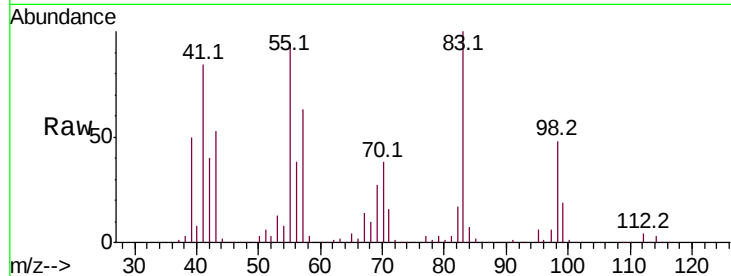




#39
Methvlcvclohexane
Concen: 5202.874 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.03 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

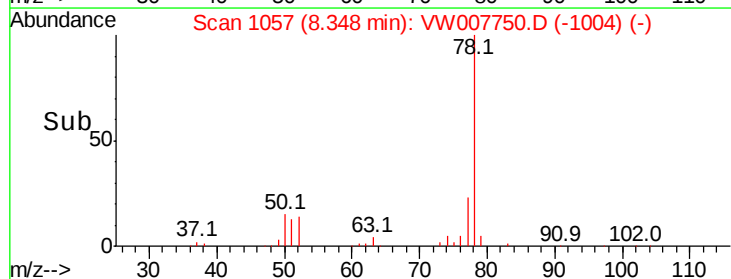
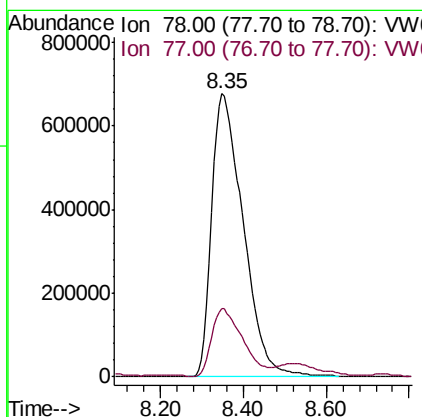
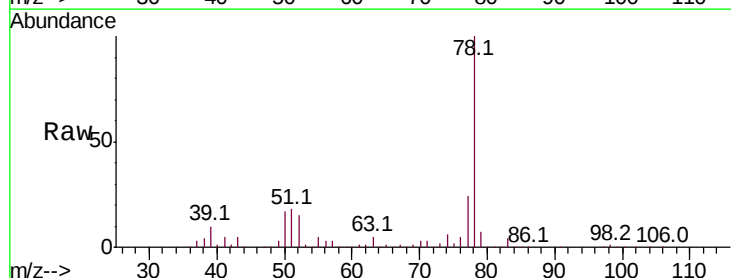
Instrument :
MSVOA_W
ClientSampled :

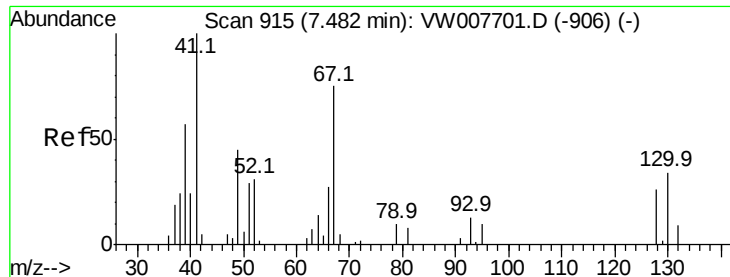
Tot Ion: 83 Resp: 5410713
Ion Ratio Lower Upper
83 100
55 93.7 57.2 85.8#
98 48.2 38.6 58.0



#40
Benzene
Concen: 1586.649 ug/l
RT: 8.35 min Scan# 1057
Delta R.T. 0.02 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 78 Resp: 3543422
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

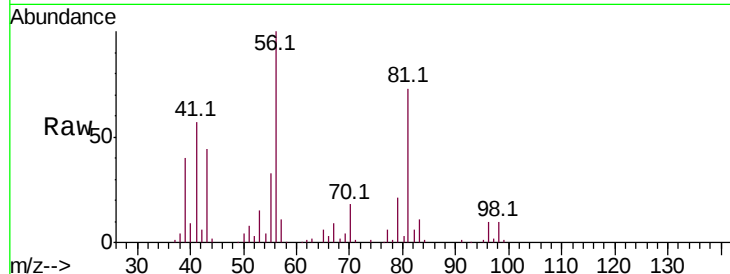




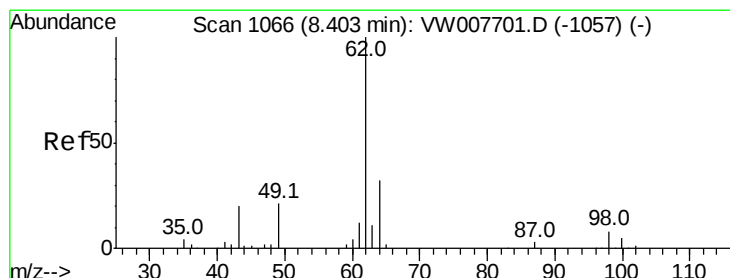
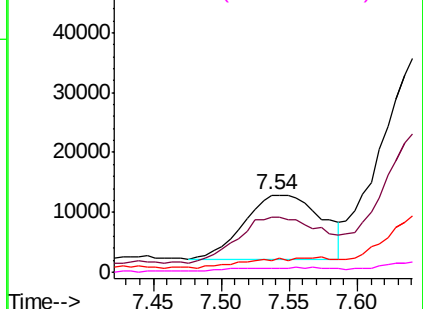
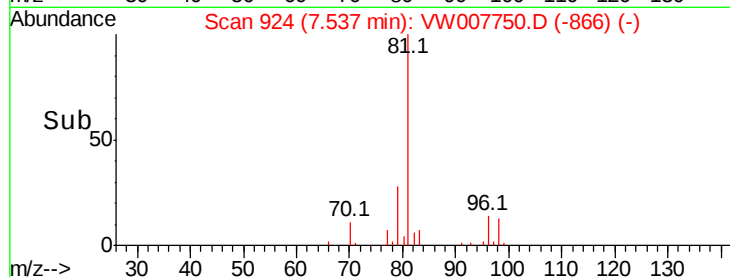
#41
Methacrylonitrile
Concen: 260.442 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 42708
Ion Ratio Lower Upper
41 100
39 75.8 54.2 81.4
67 0.0 65.7 98.5#
52 4.3 26.2 39.4#

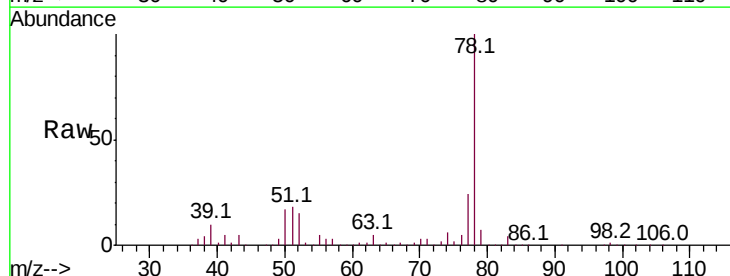


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

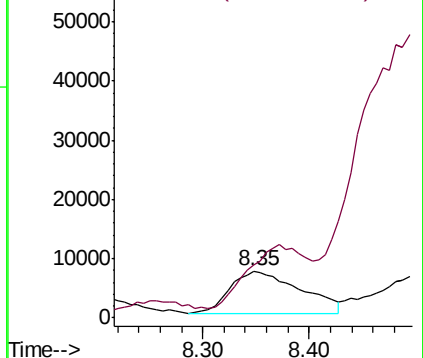
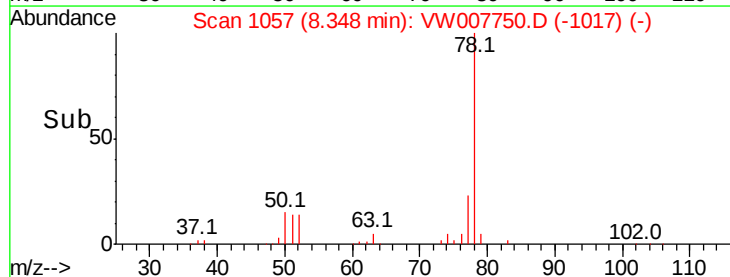


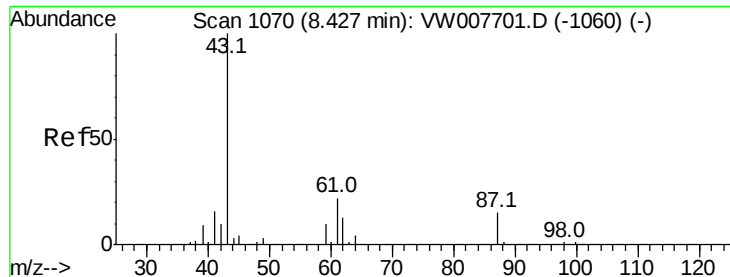
#42
1,2-Dichloroethane
Concen: 43.467 ug/l
RT: 8.35 min Scan# 1057
Delta R.T. -0.06 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion: 62 Resp: 32531
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 13992.655 ug/l

RT: 8.52 min Scan# 1086

Delta R.T. 0.10 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

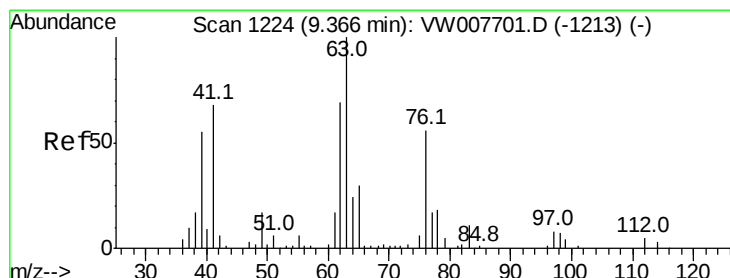
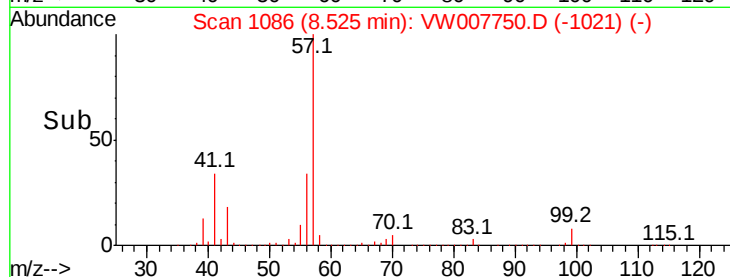
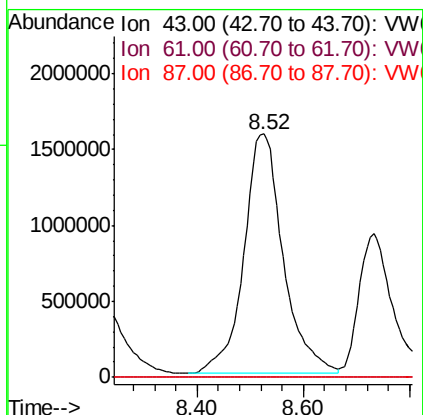
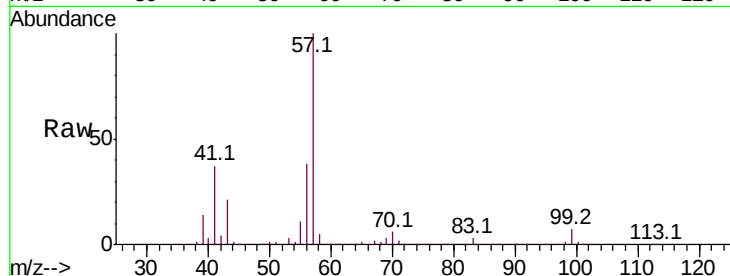
Tot Ion: 43 Resp: 8096902

Ion Ratio Lower Upper

43 100

61 0.0 26.3 39.5#

87 0.0 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 243.835 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VW007750.D

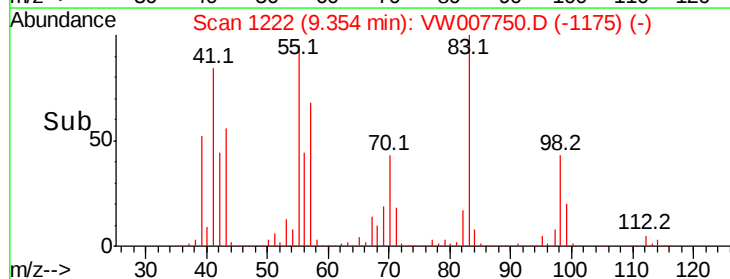
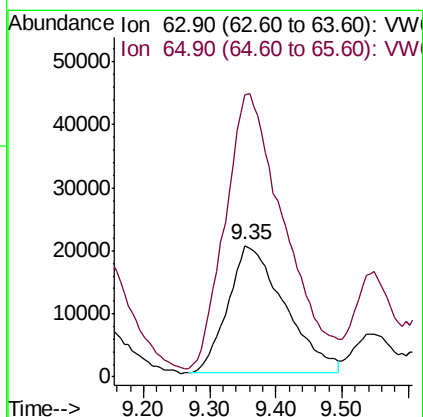
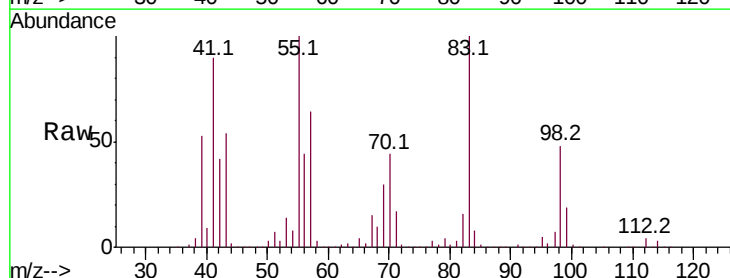
Acq: 20 Dec 2018 16:41

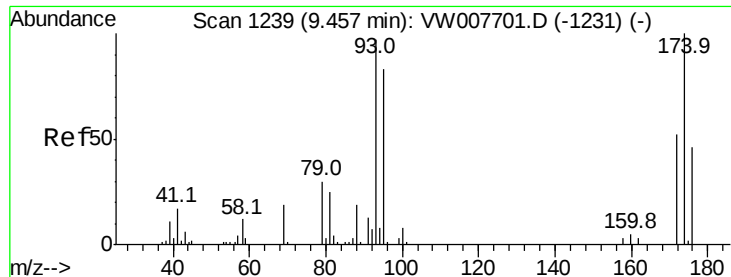
Tgt Ion: 63 Resp: 120830

Ion Ratio Lower Upper

63 100

65 214.8 23.8 35.8#





#46

Dibromomethane

Concen: 60.457 ug/l

RT: 9.36 min Scan# 1223

Delta R.T. -0.10 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

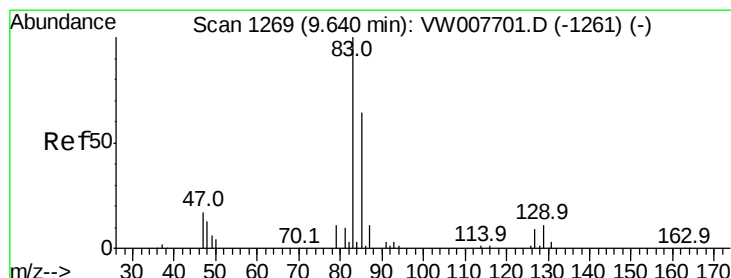
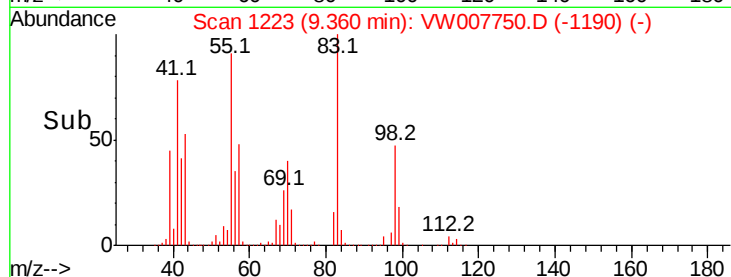
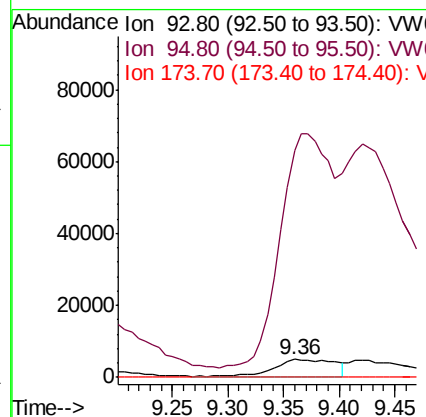
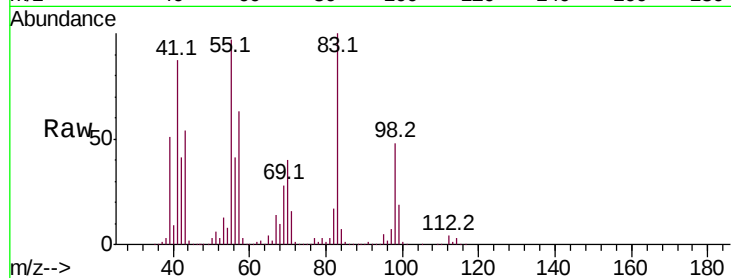
Tot Ion: 93 Resp: 18442

Ion Ratio Lower Upper

93 100

95 1126.1 67.5 101.3#

174 0.0 83.9 125.9#



#47

Bromodichloromethane

Concen: 435.374 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

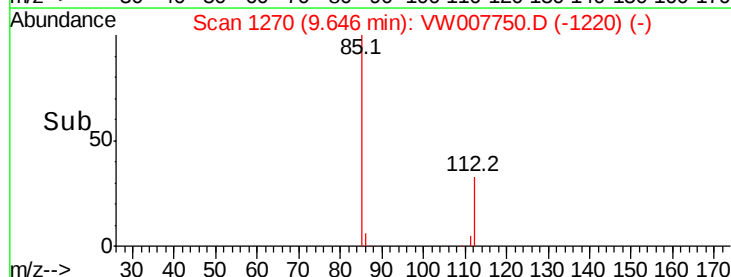
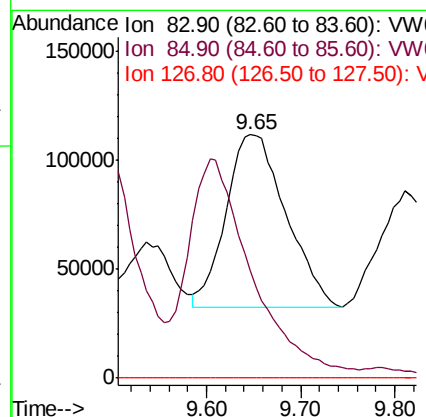
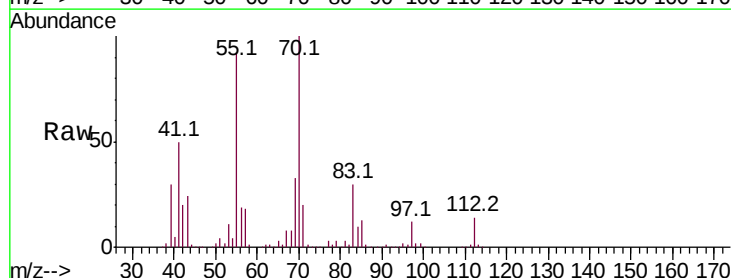
Tgt Ion: 83 Resp: 349140

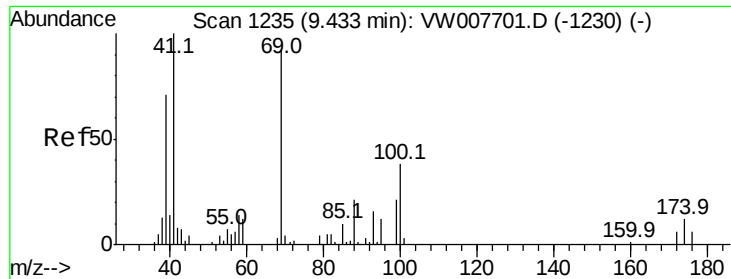
Ion Ratio Lower Upper

83 100

85 56.8 51.4 77.0

127 0.0 7.5 11.3#





#48

Methyl methacrylate

Concen: 1694.140 ug/l

RT: 9.54 min Scan# 1252

Delta R.T. 0.10 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :
MSVOA_W
ClientSampled :

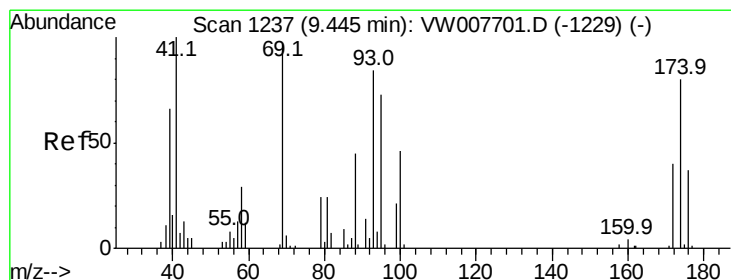
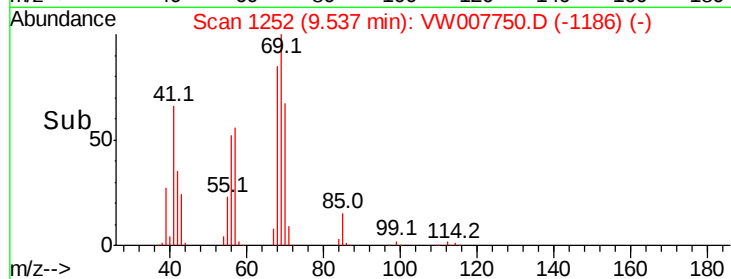
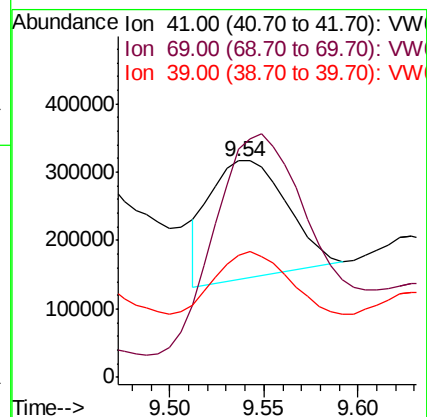
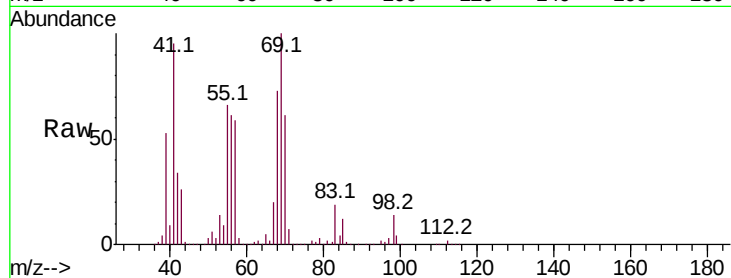
Tot Ion: 41 Resp: 489331

Ion Ratio Lower Upper

41 100

69 243.5 74.2 111.2#

39 61.0 53.9 80.9



#49

1,4-Dioxane

Concen: 11.786 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.09 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

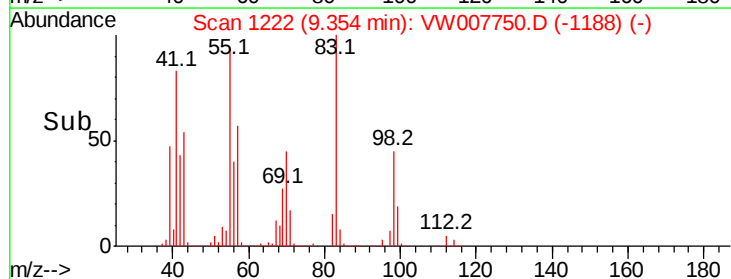
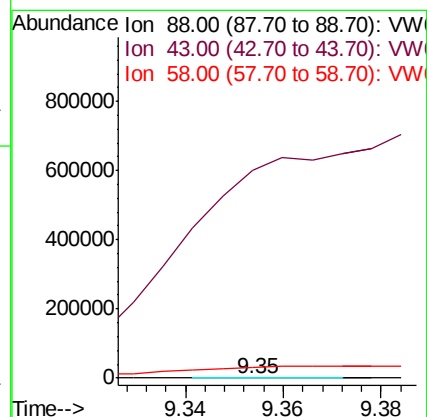
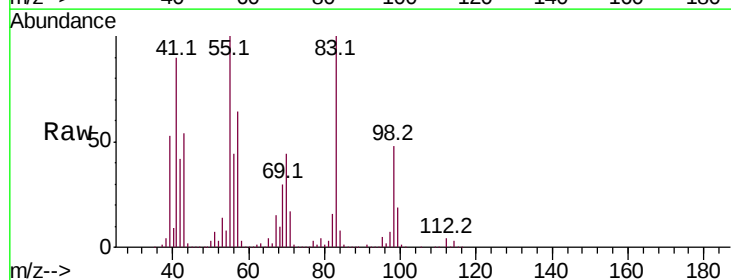
Tgt Ion: 88 Resp: 57

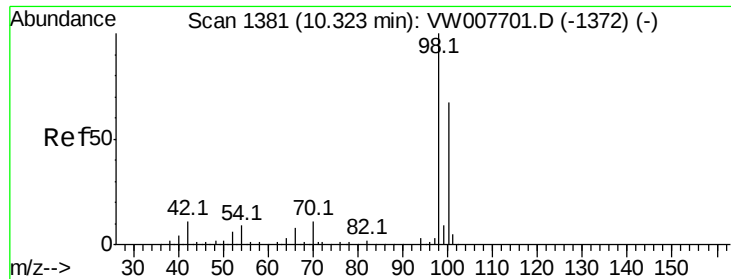
Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 0.0 52.3 78.5#





#50

Toluene-d8

Concen: 129.578 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.07 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

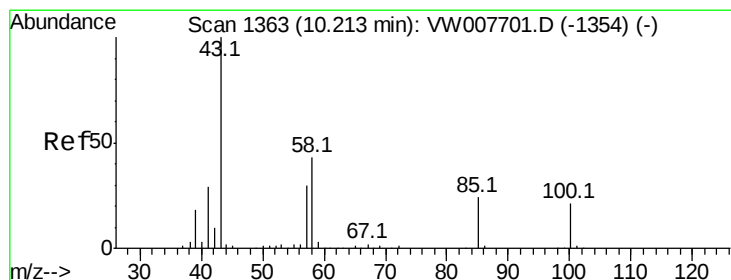
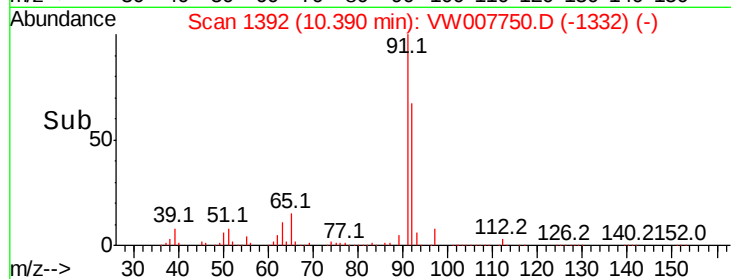
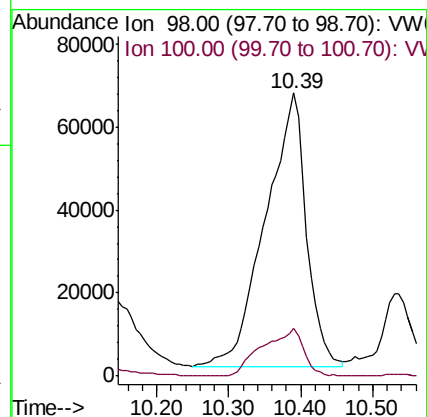
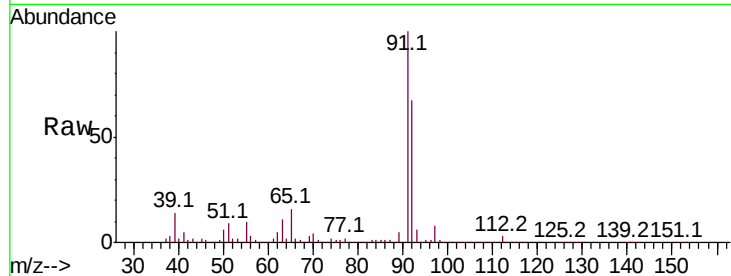
ClientSampleId :

Tot Ion: 98 Resp: 258399

Ion Ratio Lower Upper

98 100

100 17.9 52.2 78.2#



#51

4-Methyl-2-Pentanone

Concen: 30265.442 ug/l

RT: 10.15 min Scan# 1352

Delta R.T. -0.07 min

Lab File: VW007750.D

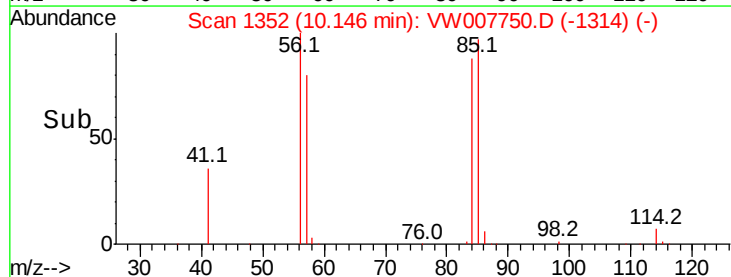
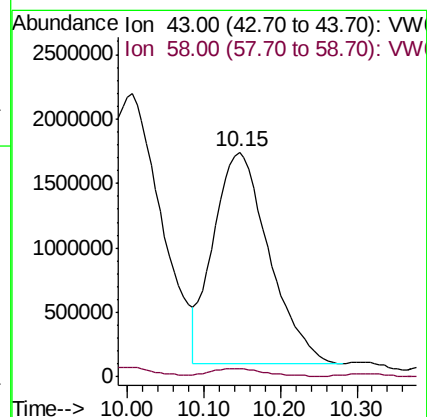
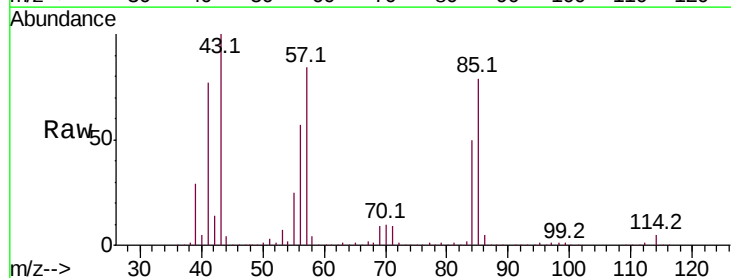
Acq: 20 Dec 2018 16:41

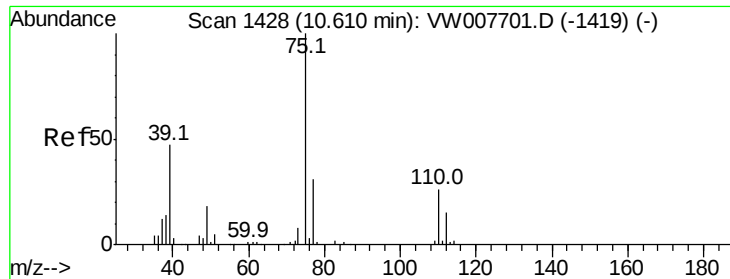
Tgt Ion: 43 Resp: 8276705

Ion Ratio Lower Upper

43 100

58 3.4 33.2 49.8#





#53

t-1,3-Dichloropropene

Concen: 875.302 ug/l

RT: 10.43 min Scan# 1399

Delta R.T. -0.18 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

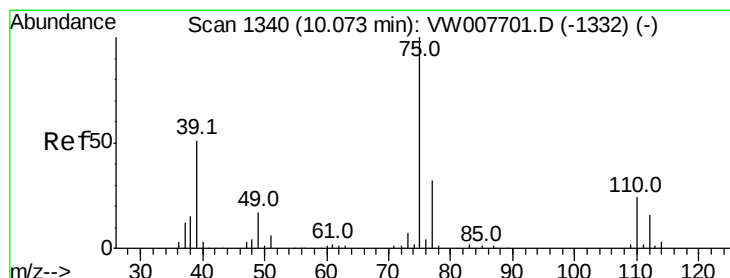
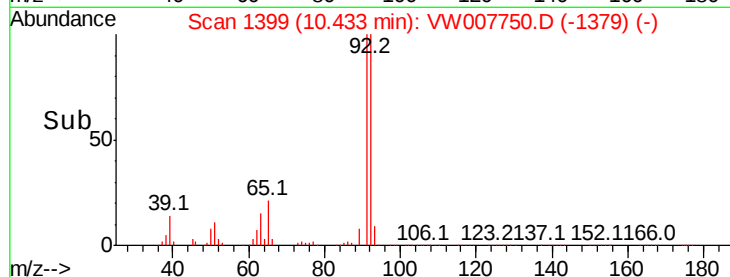
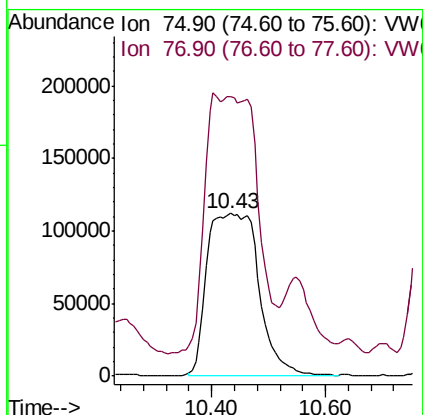
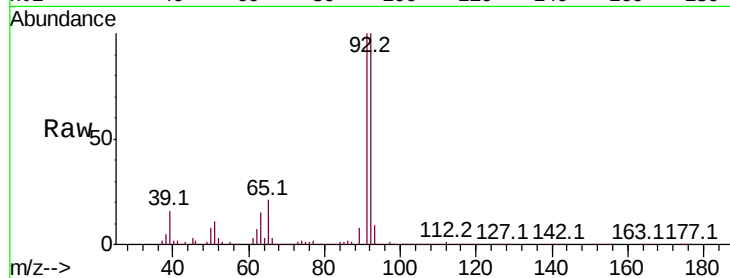
ClientSampled :

Tot Ion: 75 Resp: 698189

Ion Ratio Lower Upper

75 100

77 154.5 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 10.368 ug/l

RT: 9.88 min Scan# 1308

Delta R.T. -0.20 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

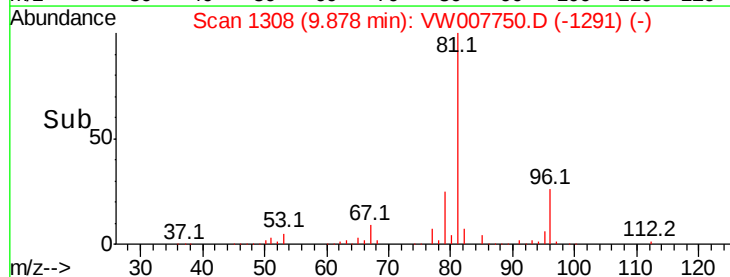
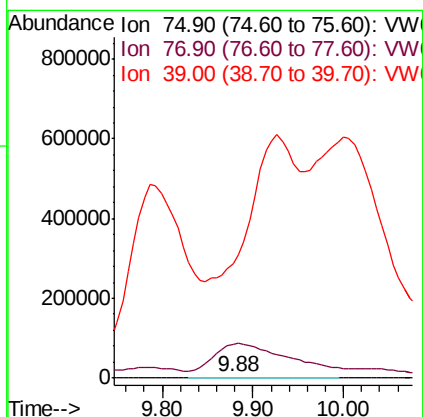
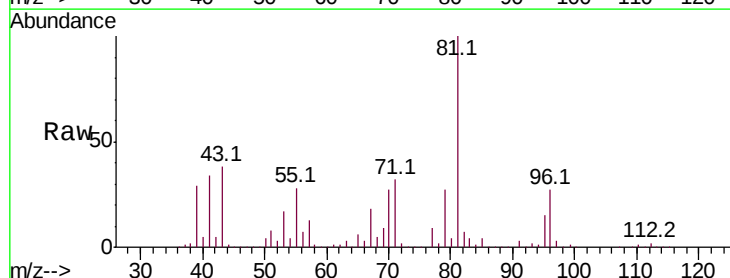
Tgt Ion: 75 Resp: 9135

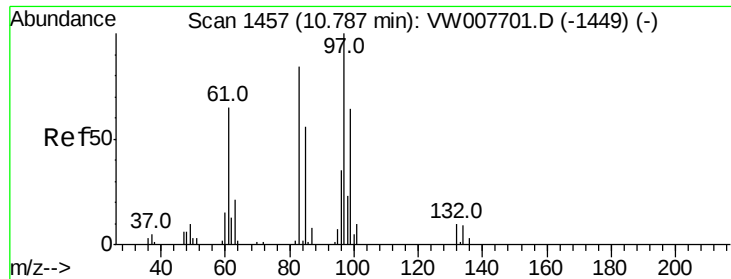
Ion Ratio Lower Upper

75 100

77 3841.8 25.5 38.3#

39 0.0 41.2 61.8#





#55

1,1,2-Trichloroethane

Concen: 4675.545 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 1966193

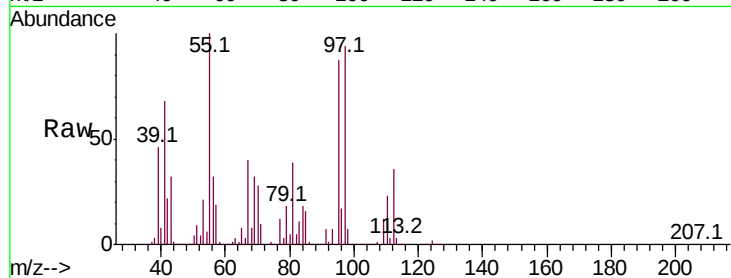
Ion Ratio Lower Upper

97 100

83 7.7 67.5 101.3#

85 17.1 44.8 67.2#

99 0.0 51.0 76.4#

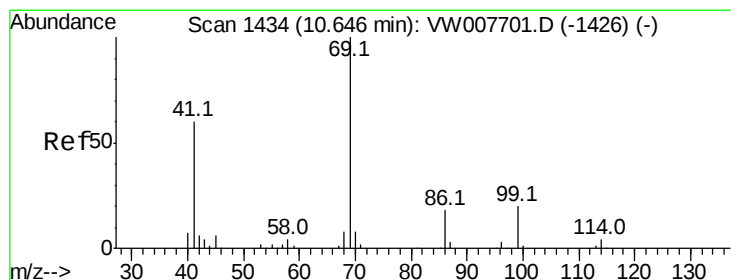
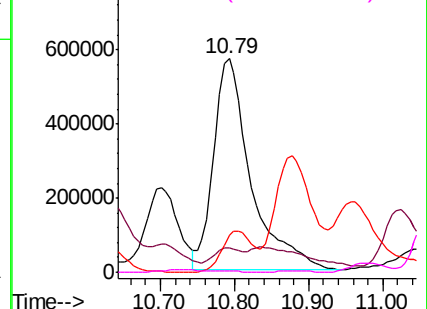
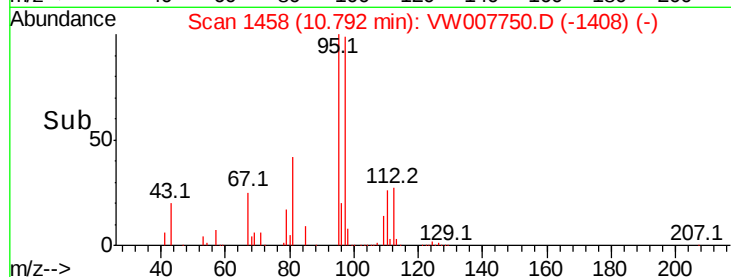


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 473.661 ug/l

RT: 10.71 min Scan# 1444

Delta R.T. 0.06 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

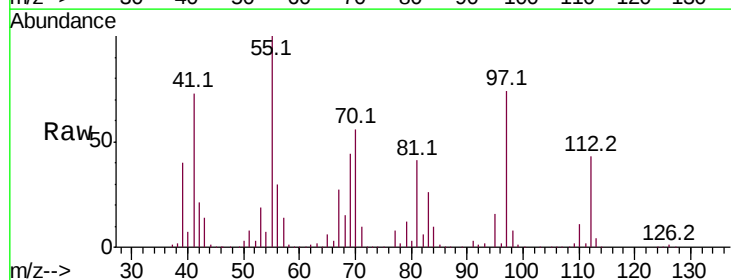
Tgt Ion: 69 Resp: 235341

Ion Ratio Lower Upper

69 100

41 0.0 48.9 73.3#

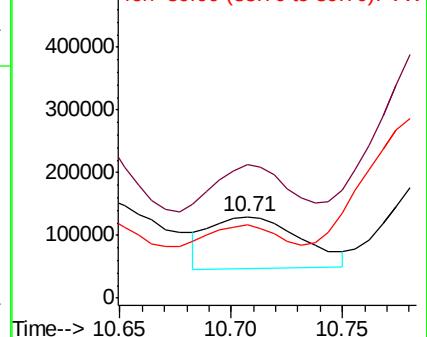
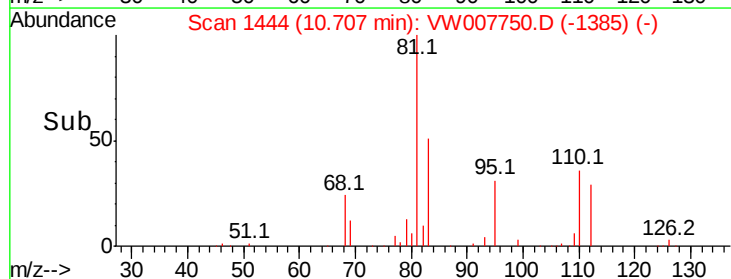
39 47.3 31.3 46.9#

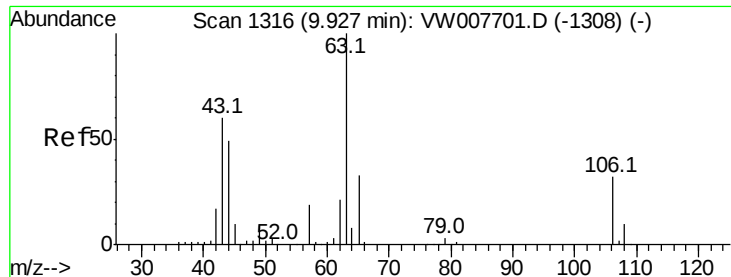


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

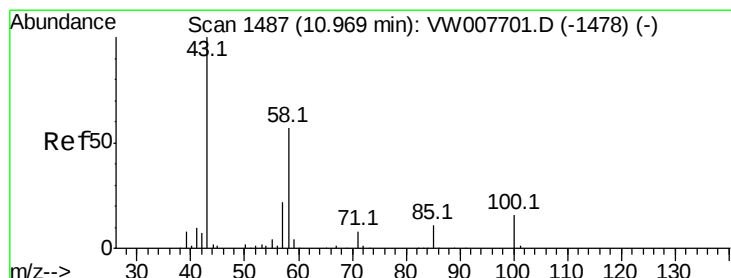
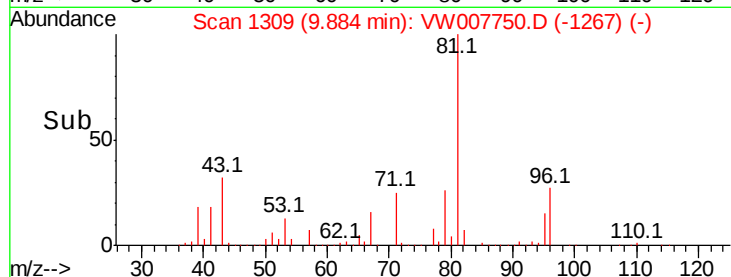
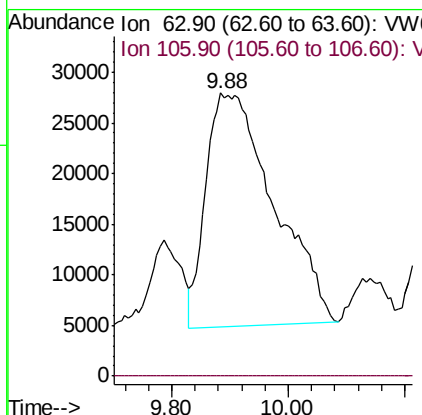
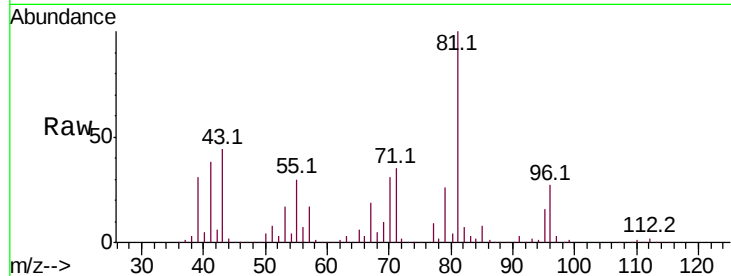




#58
 2-Chloroethyl Vinyl ether
 Concen: 822.943 ug/l
 RT: 9.88 min Scan# 1309
 Delta R.T. -0.04 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

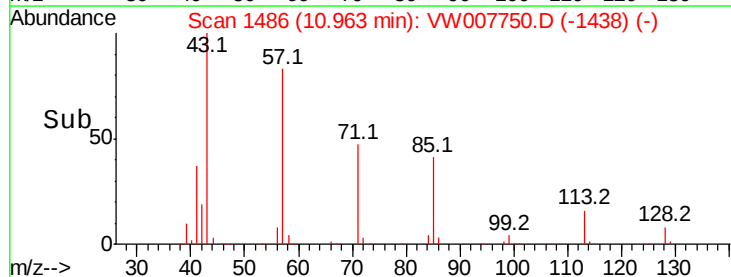
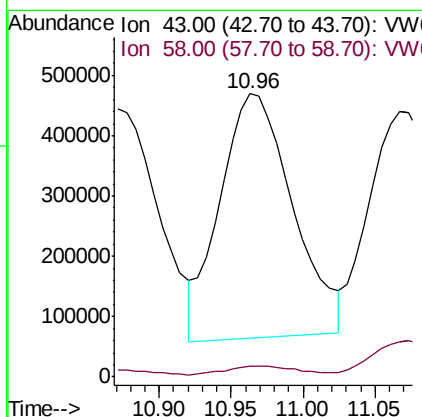
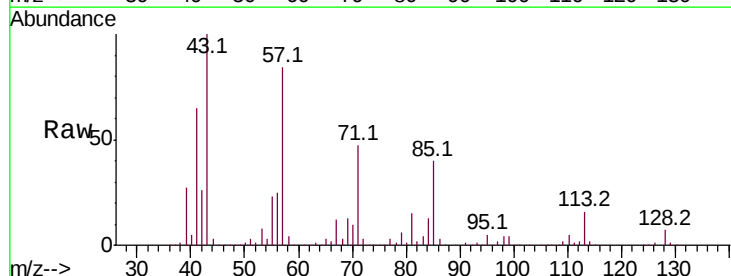
Instrument :
 MSVOA_W
 ClientSampleId :

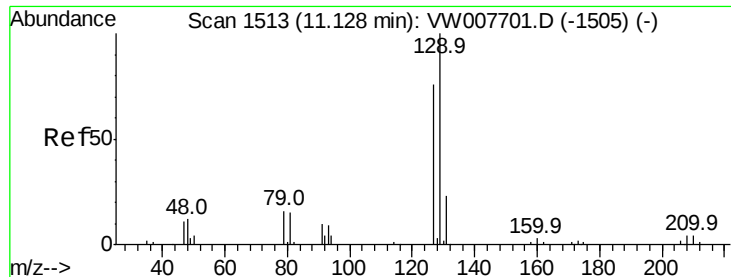
Tot Ion: 63 Resp: 186685
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 7424.470 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

Tgt Ion: 43 Resp: 1427900
 Ion Ratio Lower Upper
 43 100
 58 3.3 27.7 83.1#

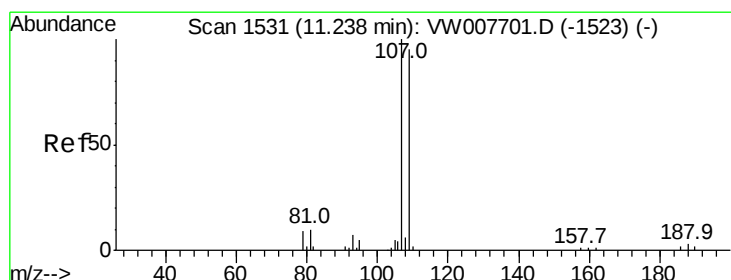
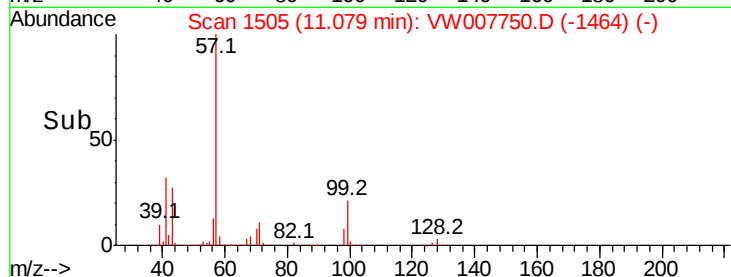
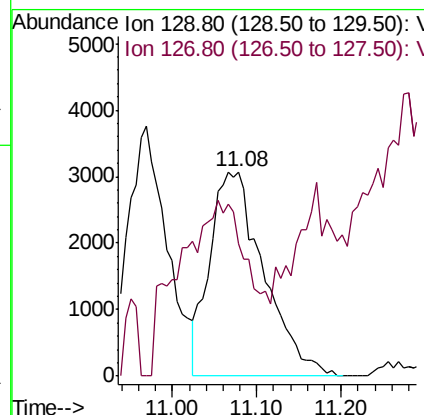
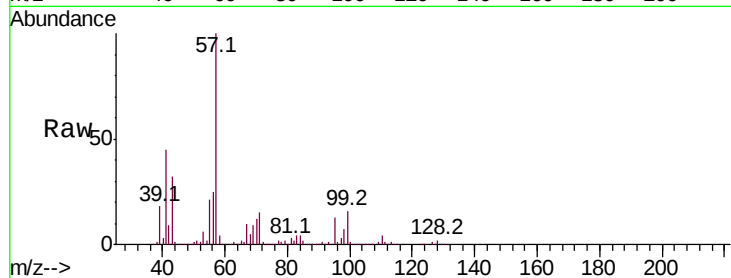




#60
Dibromochloromethane
Concen: 24.314 ug/l
RT: 11.08 min Scan# 1505
Delta R.T. -0.05 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

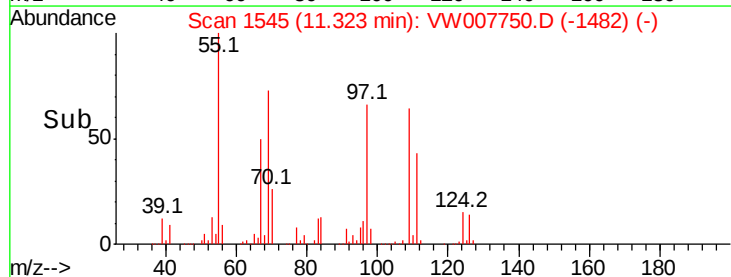
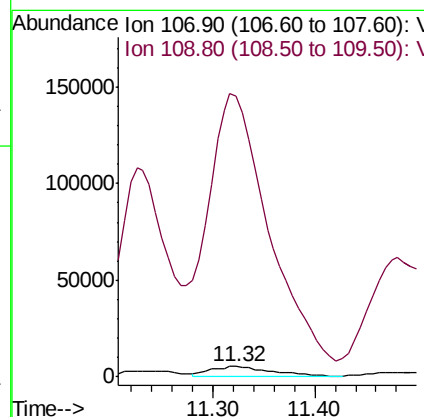
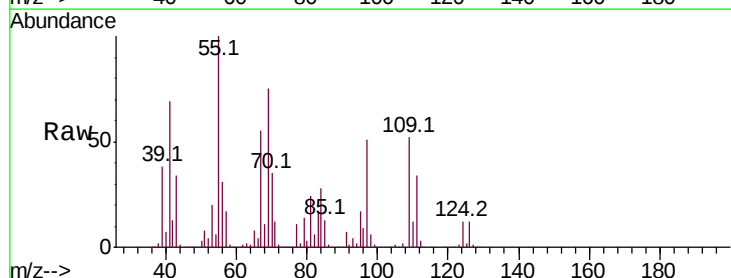
Instrument :
MSVOA_W
ClientSampled :

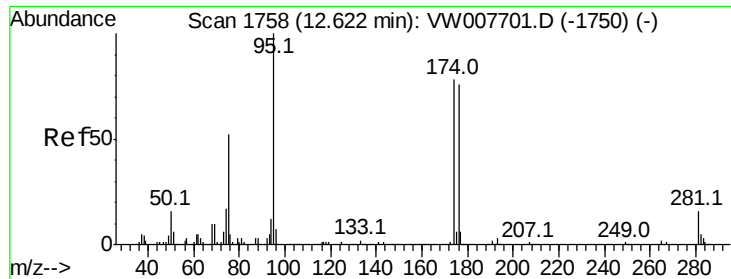
Tot Ion:129 Resp: 13538
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#61
1,2-Dibromoethane
Concen: 47.314 ug/l
RT: 11.32 min Scan# 1545
Delta R.T. 0.09 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion:107 Resp: 20149
Ion Ratio Lower Upper
107 100
109 2780.8 75.4 113.0#

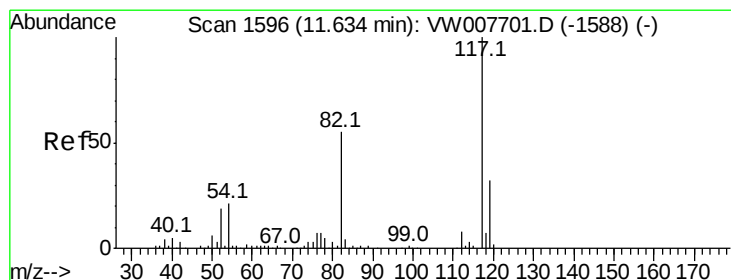
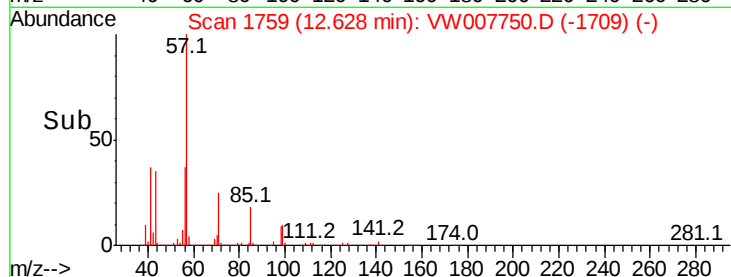
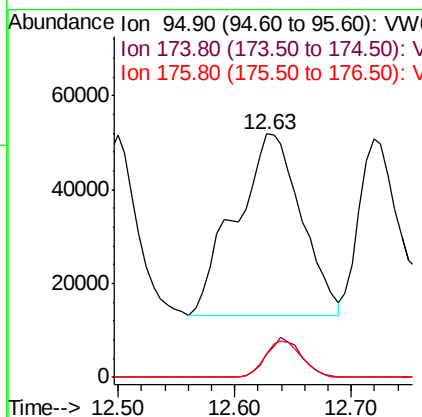
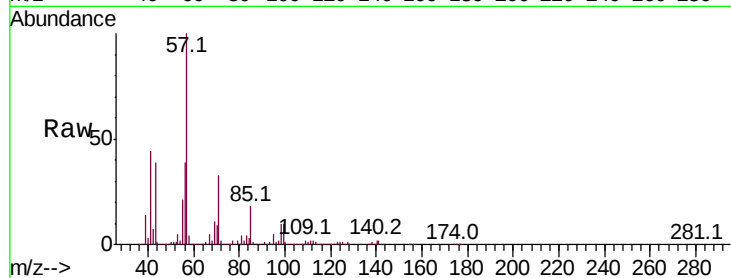




#62
4-Bromofluorobenzene
Concen: 195.990 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

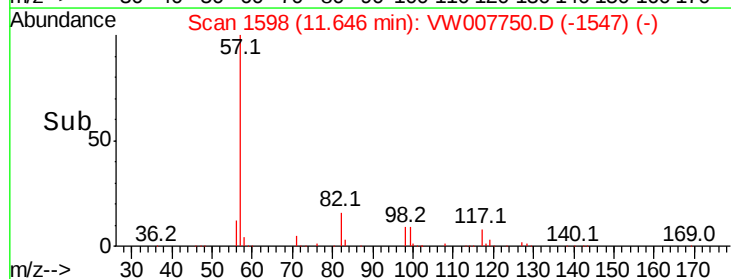
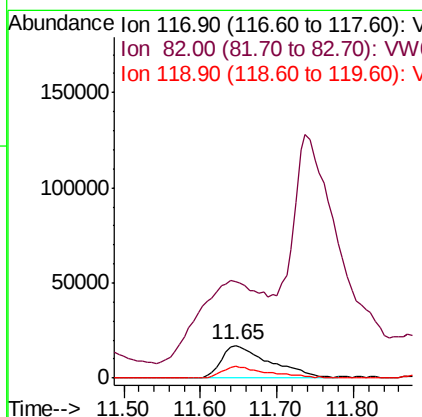
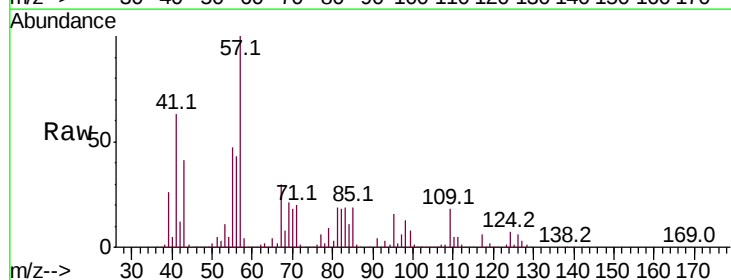
Instrument :
MSVOA_W
ClientSampleId :

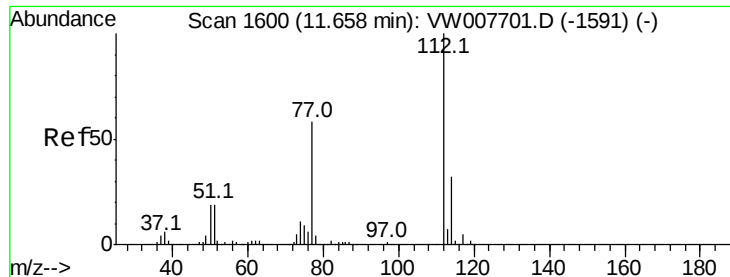
Tot Ion	95	Resp	150988
Ion Ratio	Lower	Upper	
95	100		
174	11.5	0.0	152.2
176	11.4	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion	117	Resp	75906
Ion Ratio	Lower	Upper	
117	100		
82	140.2	44.3	66.5#
119	34.1	25.7	38.5

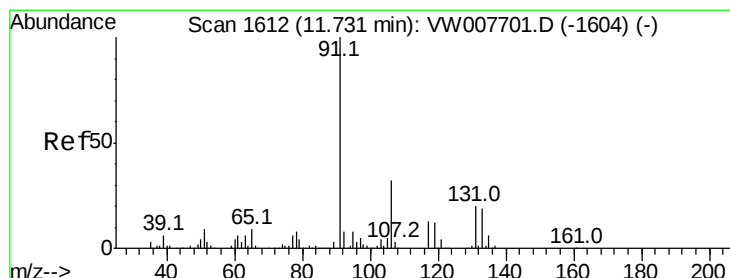
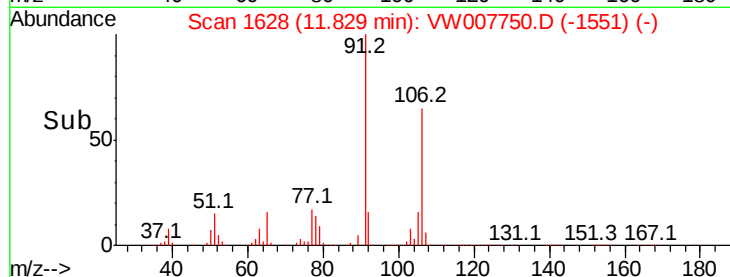
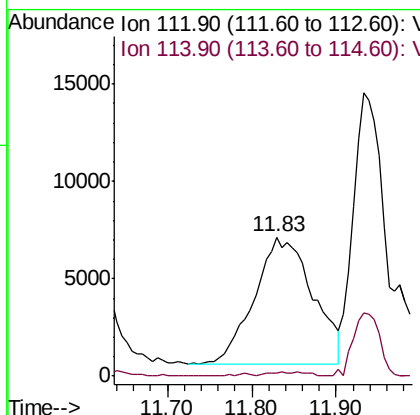
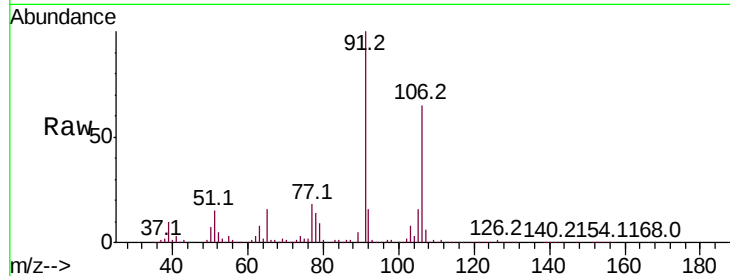




#65
Chlorobenzene
Concen: 18.885 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. 0.17 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

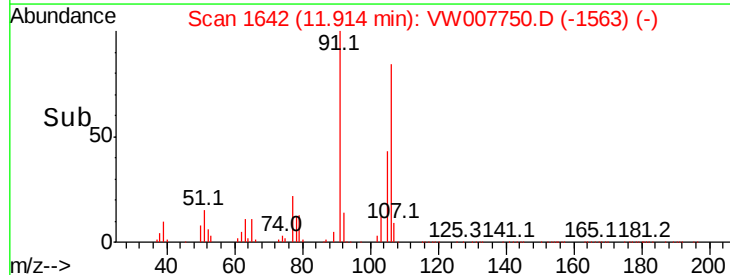
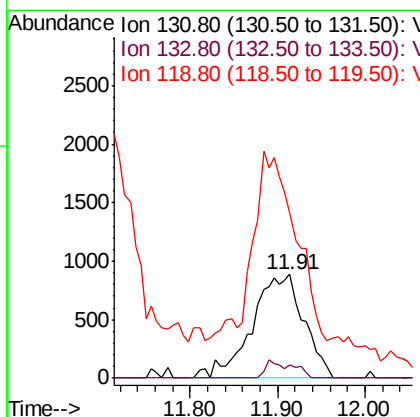
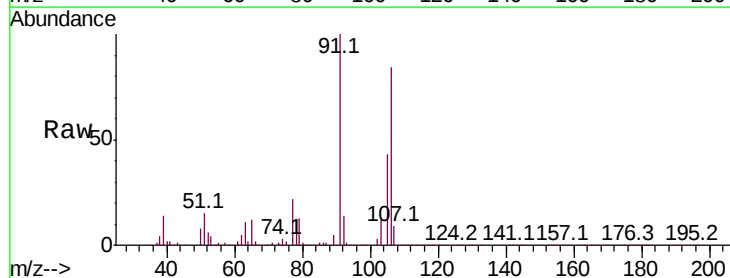
Instrument :
MSVOA_W
ClientSampleId :

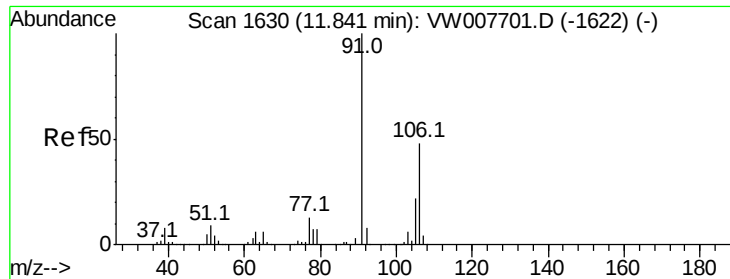
Tot Ion:112 Resp: 31027
Ion Ratio Lower Upper
112 100
114 2.3 25.2 37.8#



#66
1,1,1,2-Tetrachloroethane
Concen: 6.206 ug/l
RT: 11.91 min Scan# 1642
Delta R.T. 0.18 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion:131 Resp: 3643
Ion Ratio Lower Upper
131 100
133 0.0 47.5 142.5#
119 0.0 30.2 90.6#

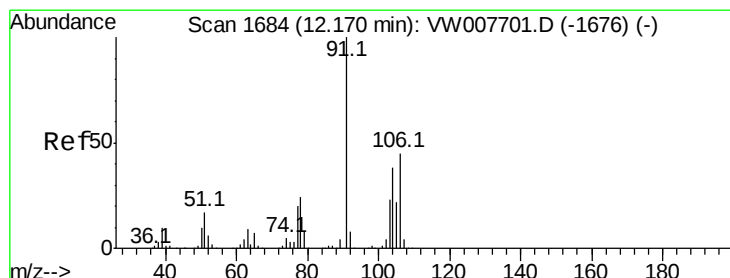
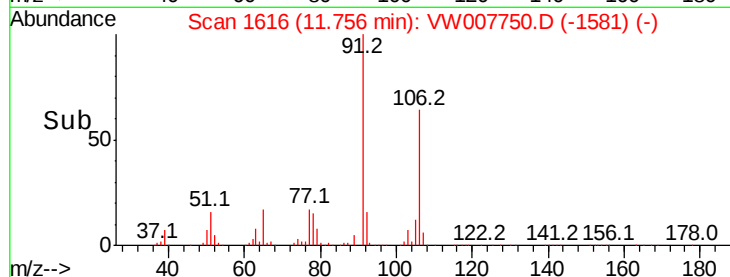
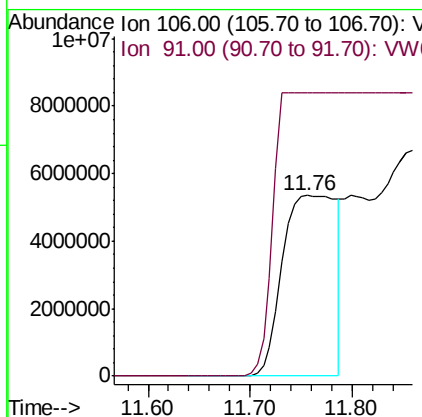
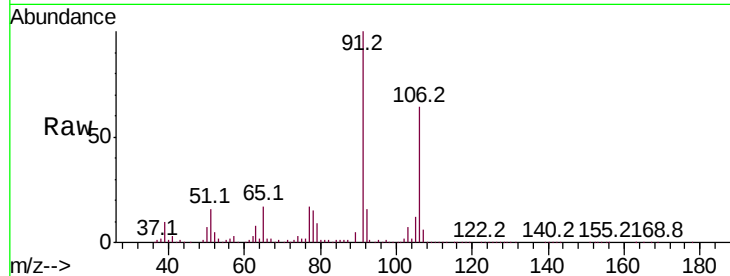




#68
m/p-Xylenes
Concen: 17874.294 ug/l
RT: 11.76 min Scan# 1616
Delta R.T. -0.09 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

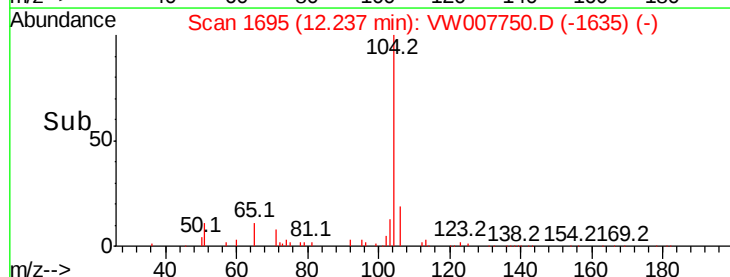
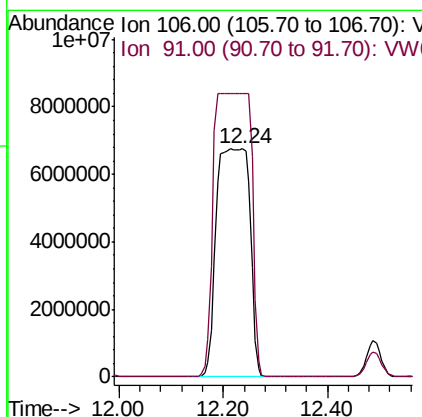
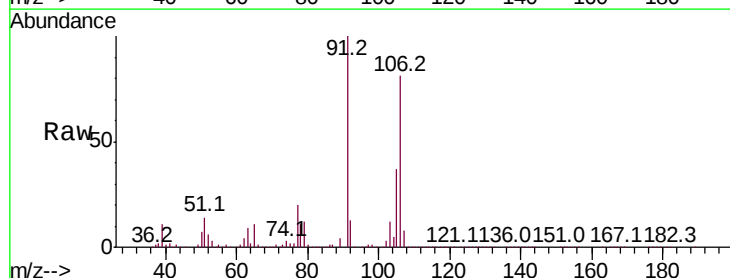
Instrument :
MSVOA_W
ClientSampleId :

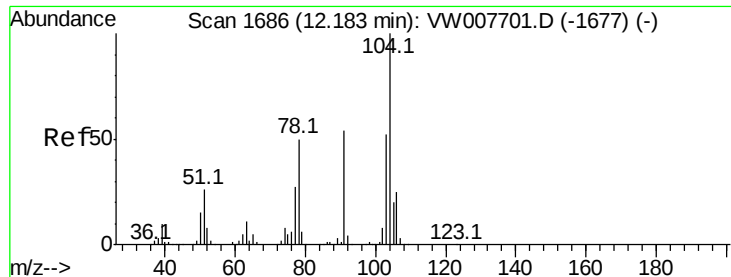
Tot Ion:106 Resp:19547903
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#



#69
o-Xylene
Concen: 29263.870 ug/l
RT: 12.24 min Scan# 1695
Delta R.T. 0.07 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion:106 Resp:29999560
Ion Ratio Lower Upper
106 100
91 0.0 110.5 331.4#

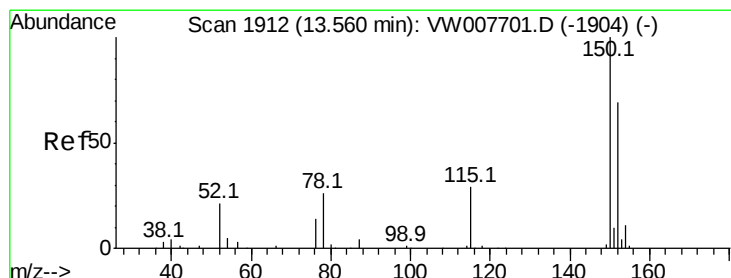
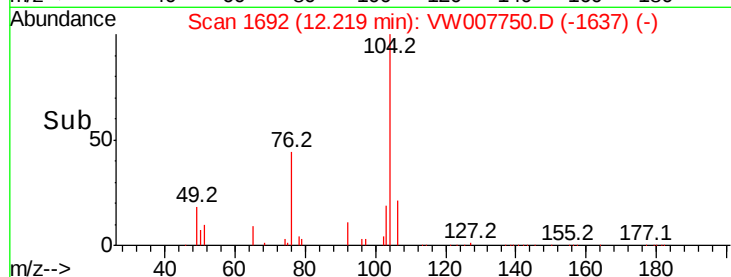
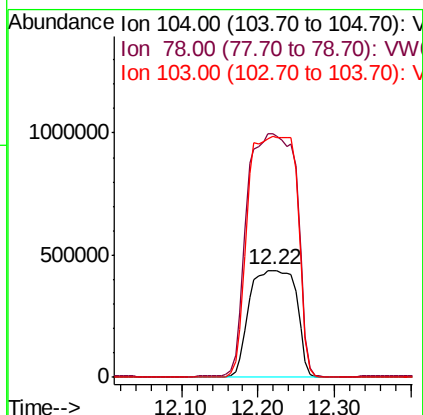
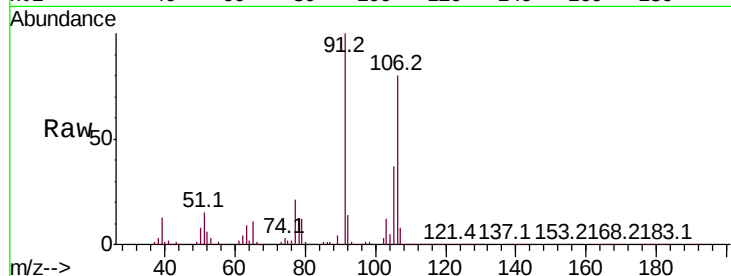




#70
Stvrene
Concen: 1102.682 ug/l
RT: 12.22 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

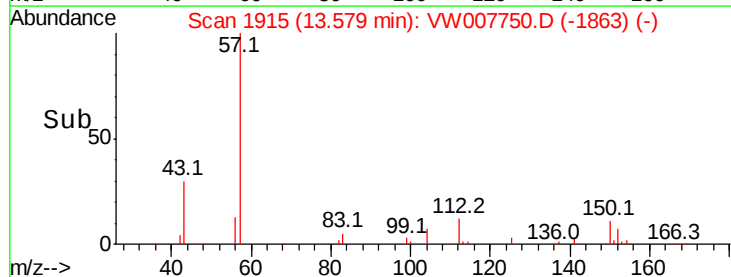
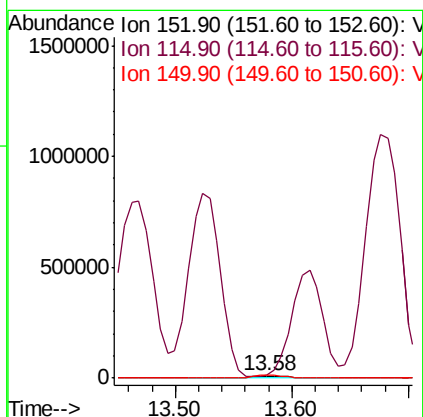
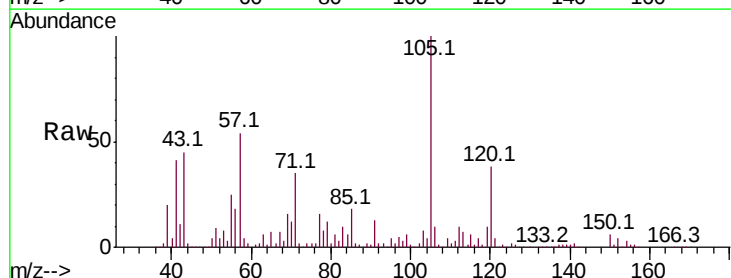
Instrument :
MSVOA_W
ClientSampleId :

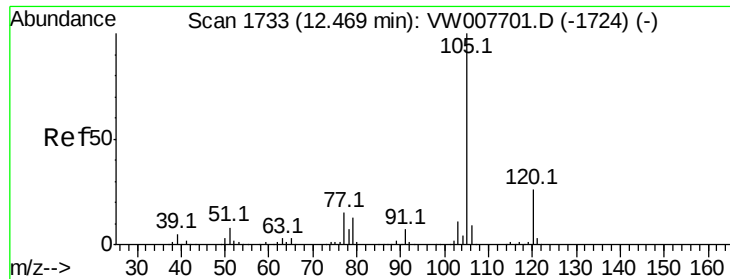
Tot Ion:104 Resp: 1858159
Ion Ratio Lower Upper
104 100
78 238.5 43.4 65.0#
103 234.1 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.02 min
Lab File: VW007750.D
Acq: 20 Dec 2018 16:41

Tgt Ion:152 Resp: 23424
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 113.0 0.0 350.8





#73

Isopropylbenzene

Concen: 10998.669 ug/l

RT: 12.48 min Scan# 1735

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

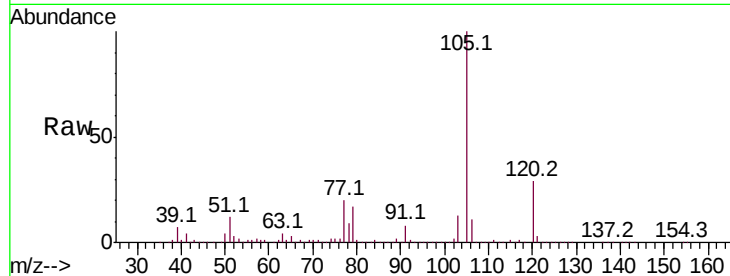
ClientSampleId :

Tot Ion:105 Resp:19474170

Ion Ratio Lower Upper

105 100

120 29.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

8000000

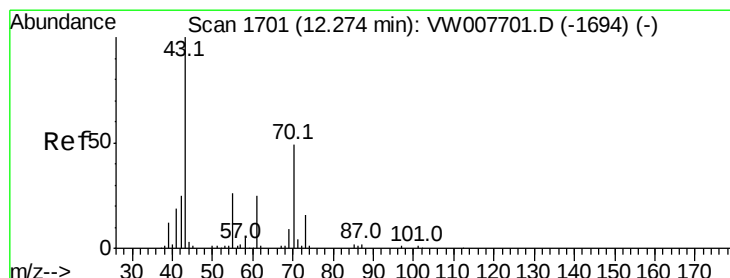
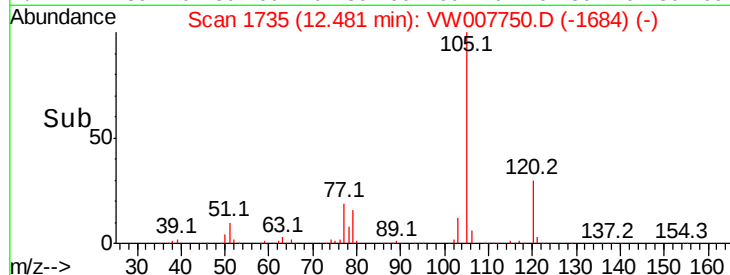
6000000

4000000

2000000

0

Time-->



#74

N-ethyl acetate

Concen: 2550.866 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Tgt Ion: 43 Resp: 782332

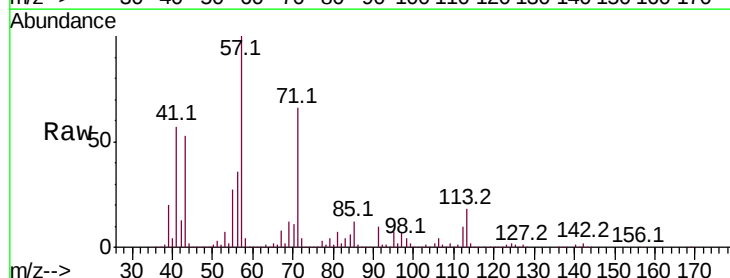
Ion Ratio Lower Upper

43 100

70 29.8 37.6 56.4#

55 67.6 21.7 32.5#

61 0.0 20.1 30.1#



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

1200000

1000000

800000

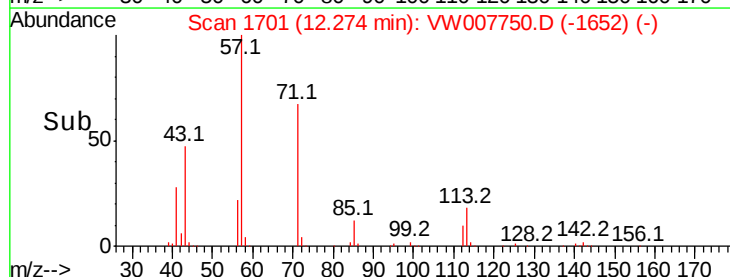
600000

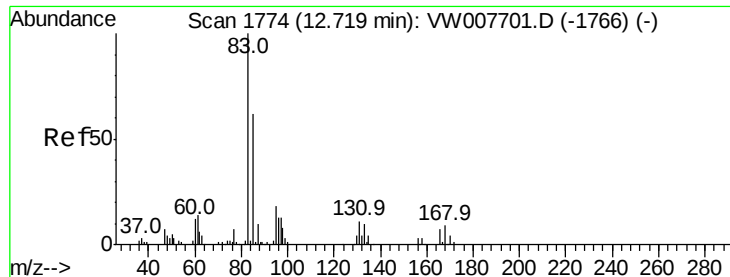
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 385.593 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

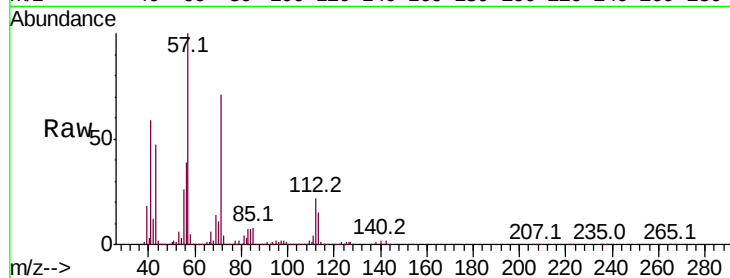
Tot Ion: 83 Resp: 102364

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

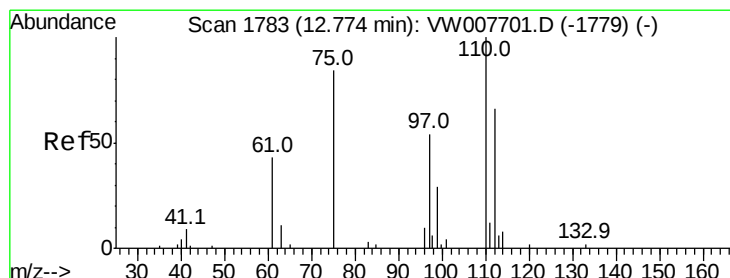
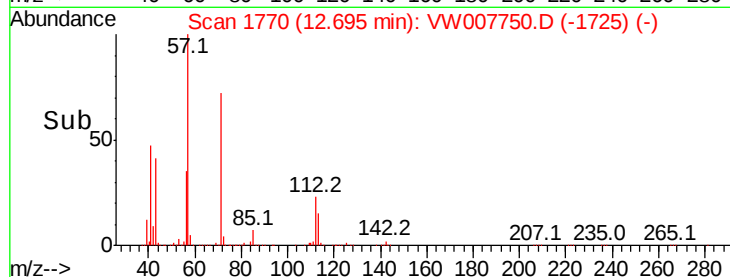
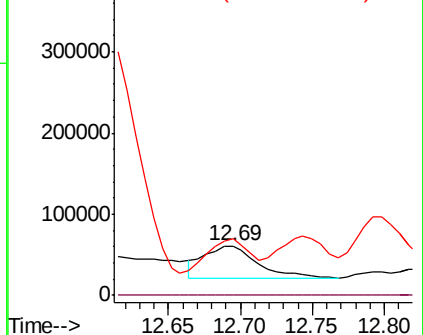
85 80.4 32.3 96.8



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: 1238.815 ug/l

RT: 12.83 min Scan# 1792

Delta R.T. 0.05 min

Lab File: VW007750.D

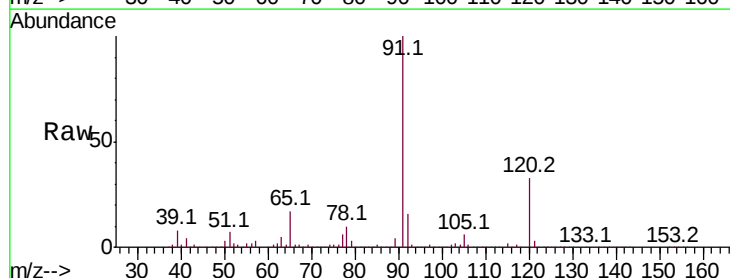
Acq: 20 Dec 2018 16:41

Tgt Ion: 75 Resp: 224282

Ion Ratio Lower Upper

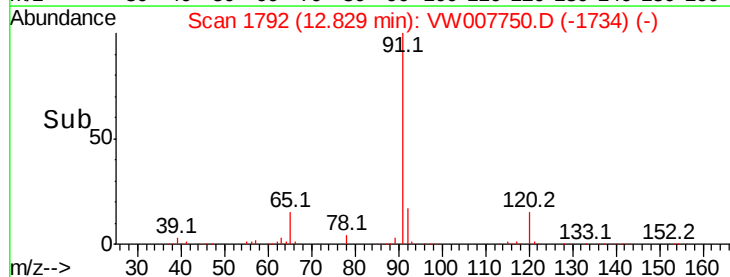
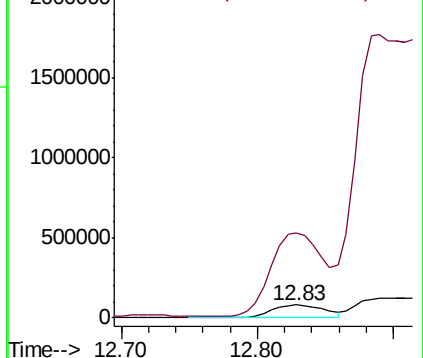
75 100

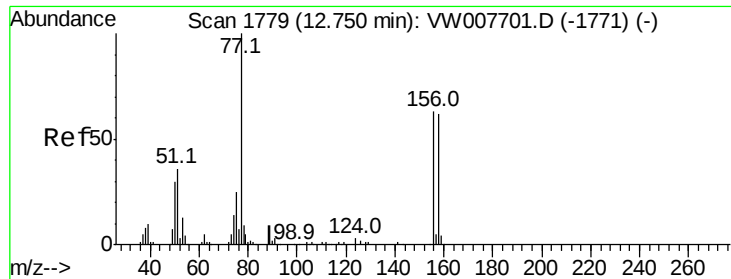
77 610.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 6.824 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

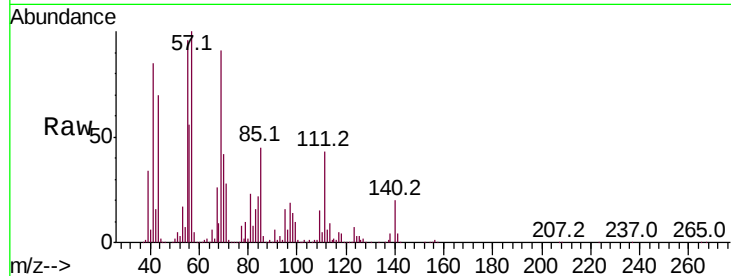
Tot Ion:156 Resp: 2769

Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

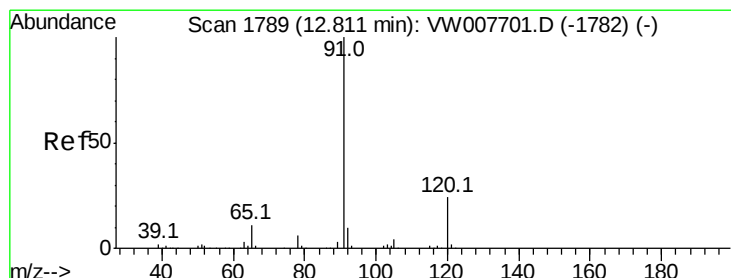
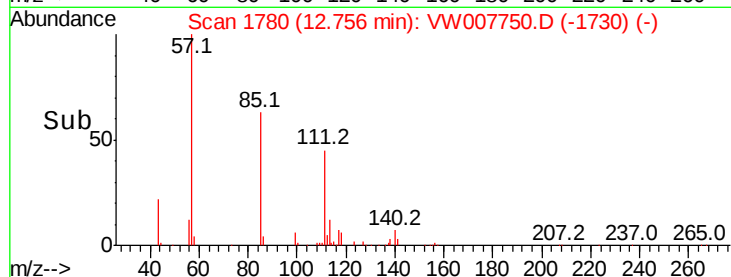
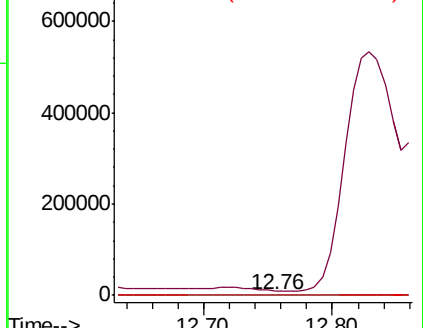
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1230.352 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VW007750.D

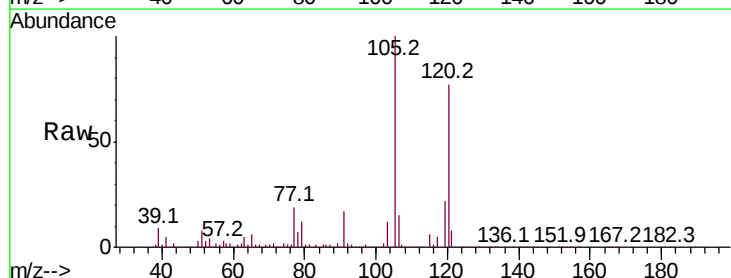
Acq: 20 Dec 2018 16:41

Tgt Ion: 91 Resp: 2535859

Ion Ratio Lower Upper

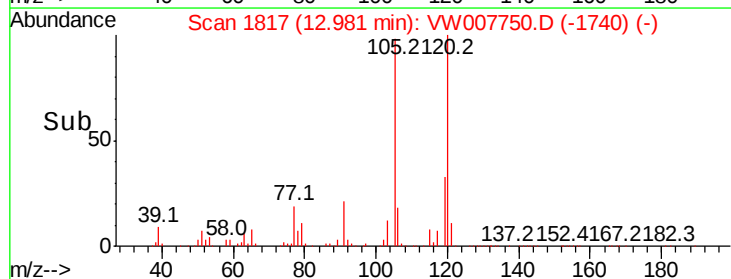
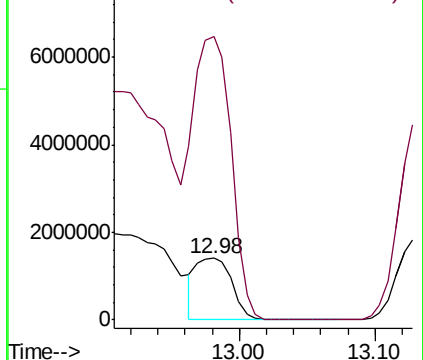
91 100

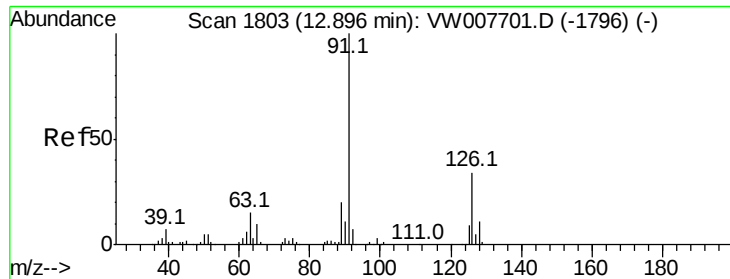
120 510.5 11.9 35.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2112.018 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. 0.09 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

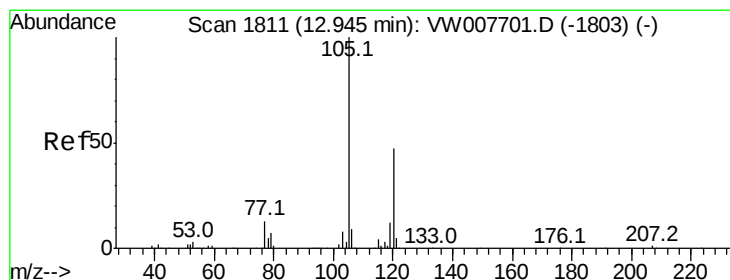
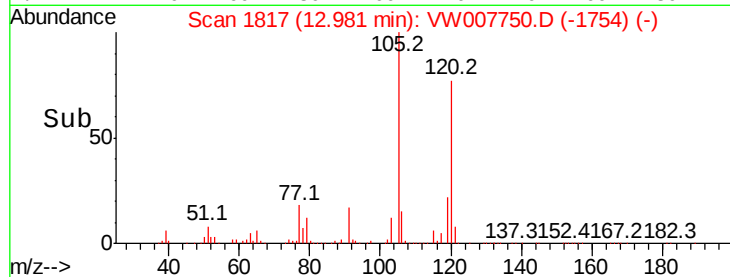
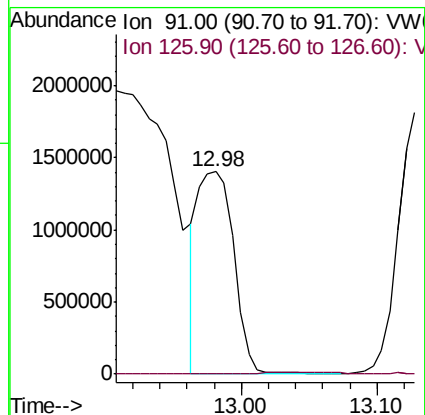
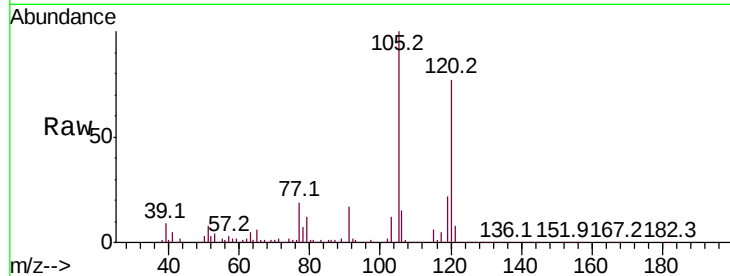
ClientSampled :

Tot Ion: 91 Resp: 2535859

Ion Ratio Lower Upper

91 100

126 0.2 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 14207.235 ug/l

RT: 13.12 min Scan# 1840

Delta R.T. 0.18 min

Lab File: VW007750.D

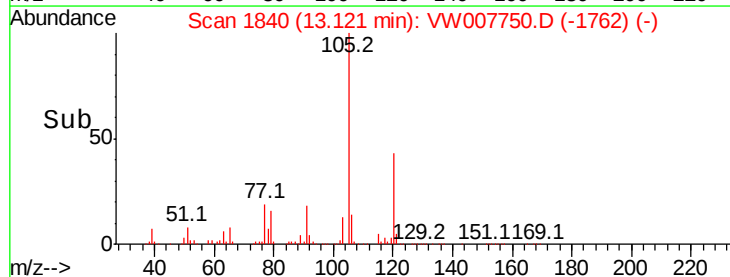
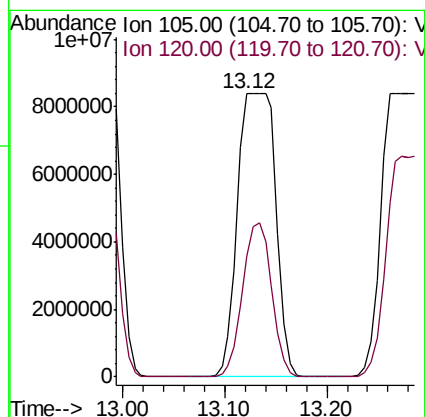
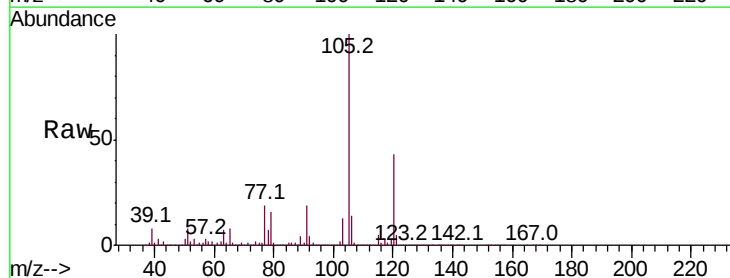
Acq: 20 Dec 2018 16:41

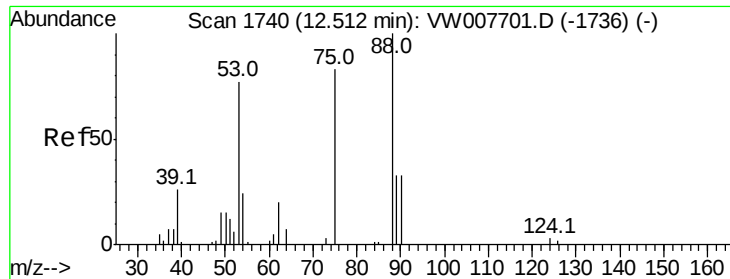
Tgt Ion:105 Resp:21698200

Ion Ratio Lower Upper

105 100

120 41.7 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3343.363 ug/l

RT: 12.49 min Scan# 1736

Delta R.T. -0.02 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

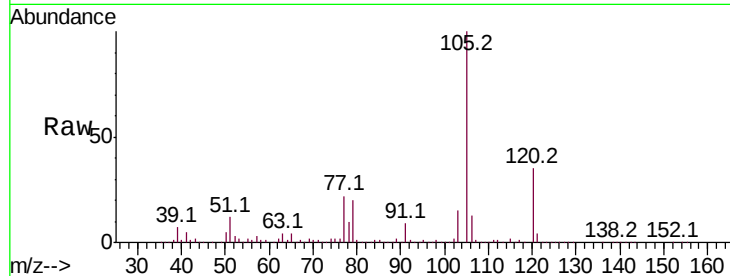
Tot Ion: 75 Resp: 288366

Ion Ratio Lower Upper

75 100

53 149.8 80.2 120.2#

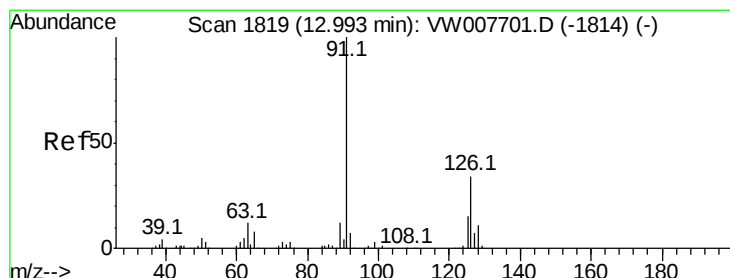
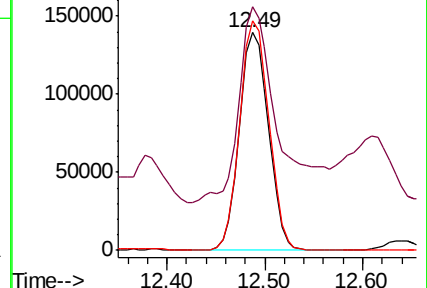
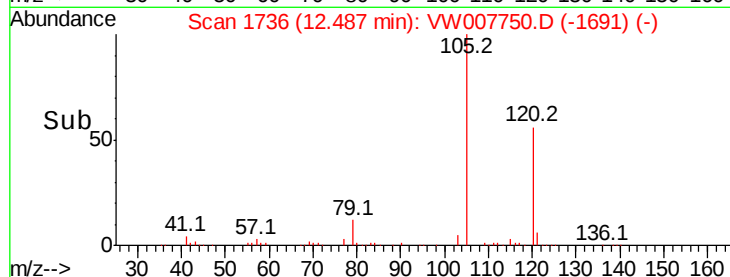
89 105.6 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 1983.554 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VW007750.D

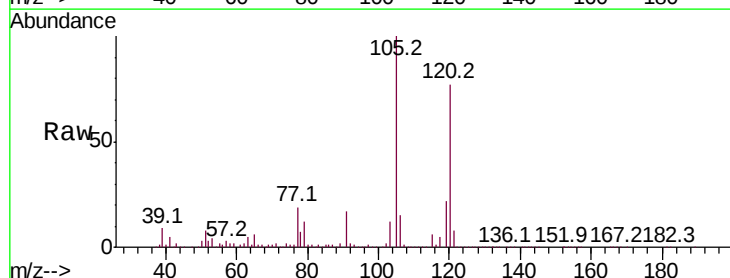
Acq: 20 Dec 2018 16:41

Tgt Ion: 91 Resp: 2535859

Ion Ratio Lower Upper

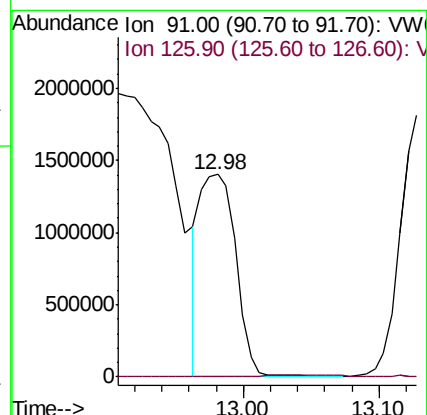
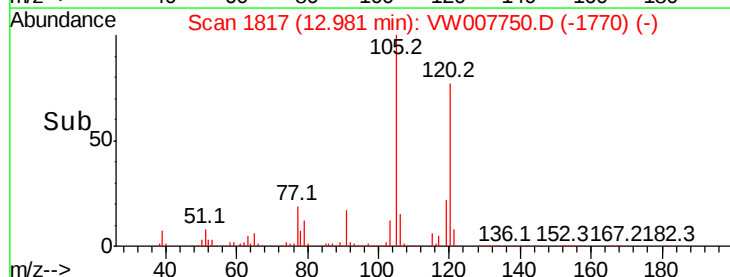
91 100

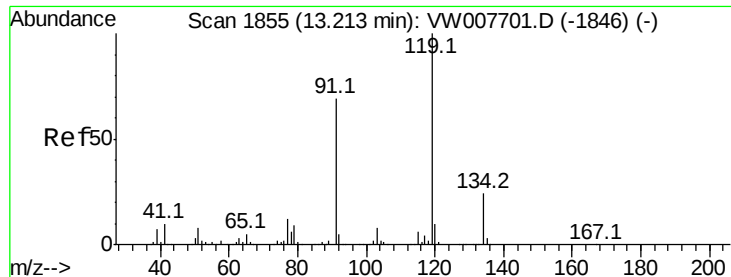
126 0.2 16.5 49.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5611.375 ug/l

RT: 13.29 min Scan# 1868

Delta R.T. 0.08 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

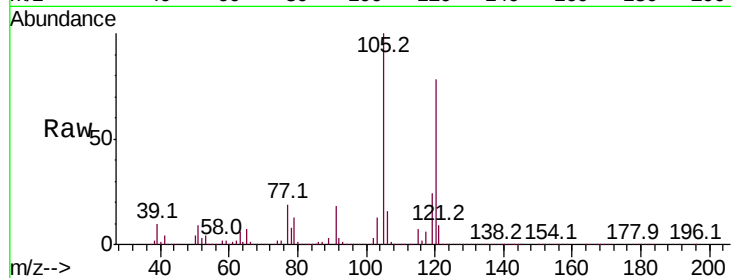
Tot Ion:119 Resp: 7519562

Ion Ratio Lower Upper

119 100

91 78.4 34.2 102.5

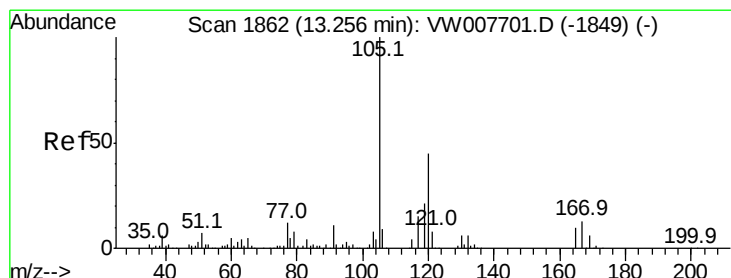
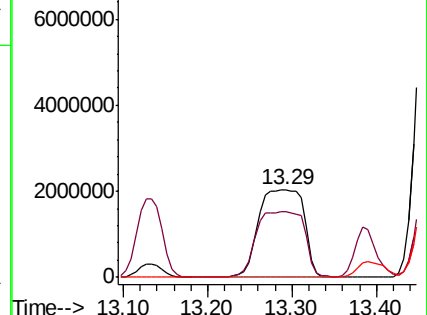
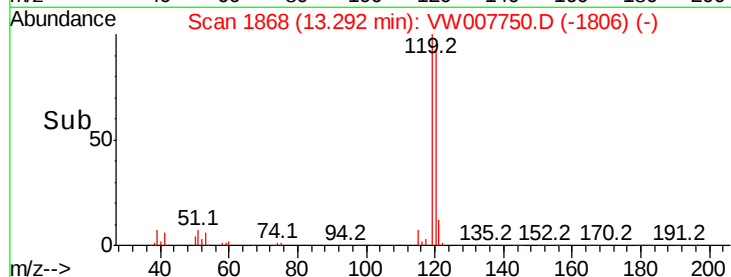
134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 14079.733 ug/l

RT: 13.12 min Scan# 1840

Delta R.T. -0.13 min

Lab File: VW007750.D

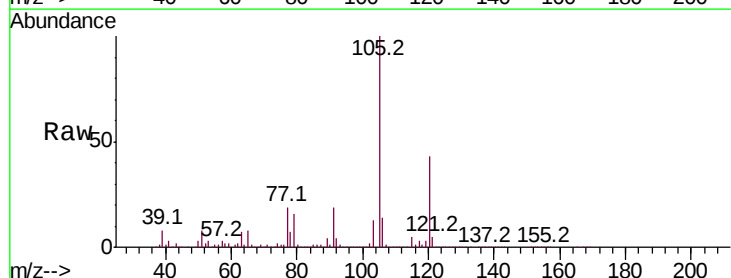
Acq: 20 Dec 2018 16:41

Tgt Ion:105 Resp:21698200

Ion Ratio Lower Upper

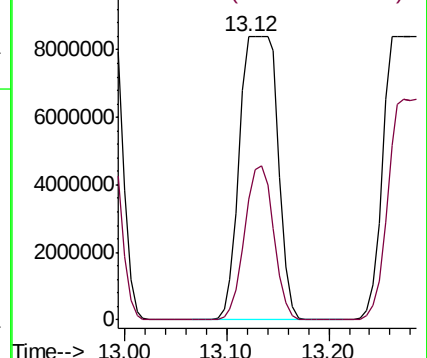
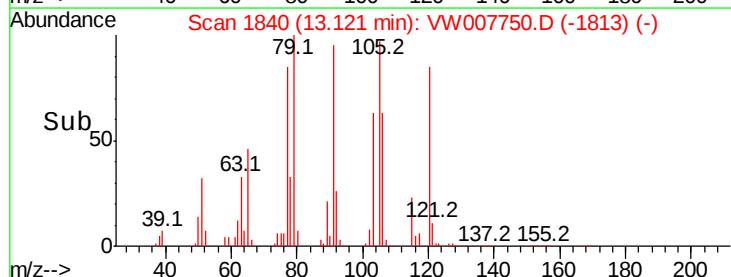
105 100

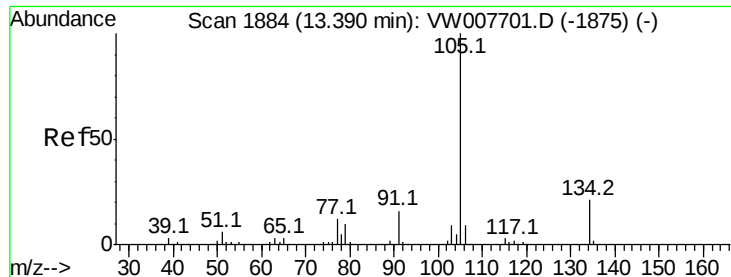
120 41.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

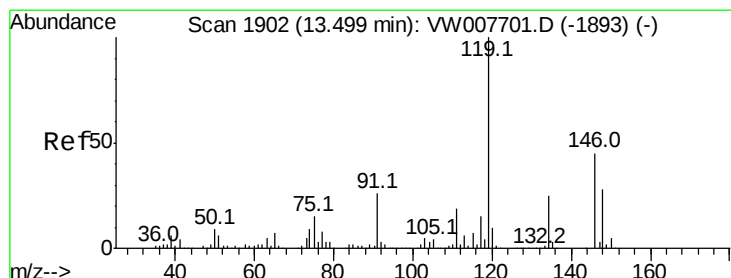
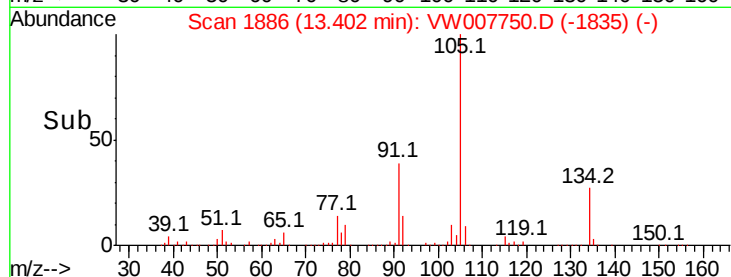
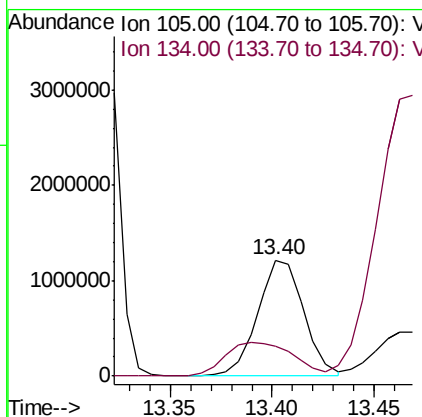
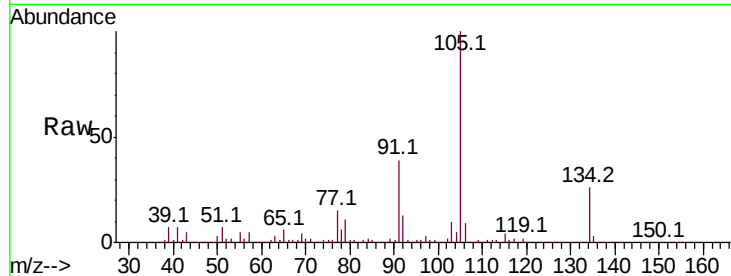




#85
 sec-Butylbenzene
 Concen: 1022.659 ug/l
 RT: 13.40 min Scan# 1886
 Delta R.T. 0.01 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

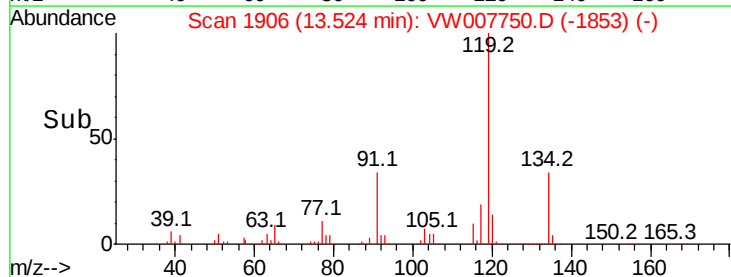
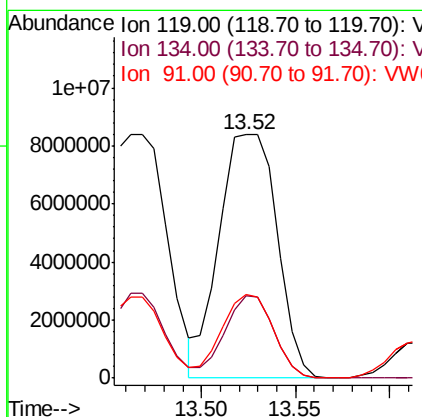
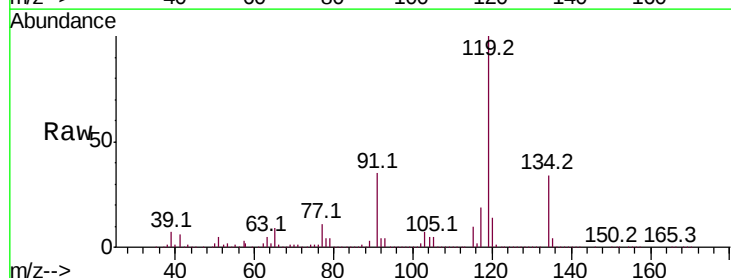
Instrument :
 MSVOA_W
 ClientSampleId :

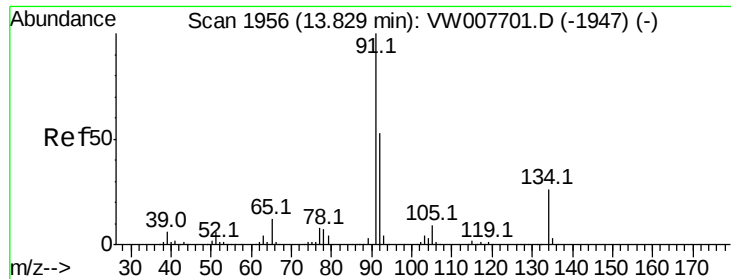
Tot Ion:105 Resp: 1888688
 Ion Ratio Lower Upper
 105 100
 134 44.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 10664.183 ug/l
 RT: 13.52 min Scan# 1906
 Delta R.T. 0.02 min
 Lab File: VW007750.D
 Acq: 20 Dec 2018 16:41

Tgt Ion:119 Resp:17908982
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.0 39.0
 91 30.5 12.8 38.4





#89

n-Butylbenzene

Concen: 1464.830 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

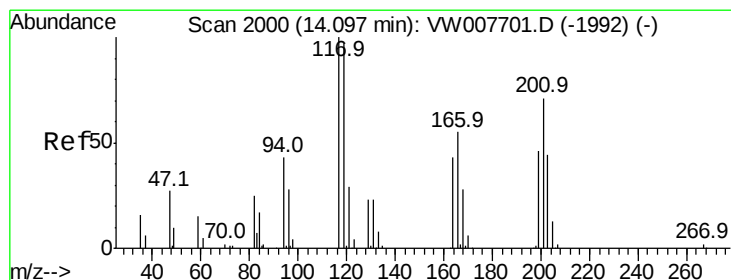
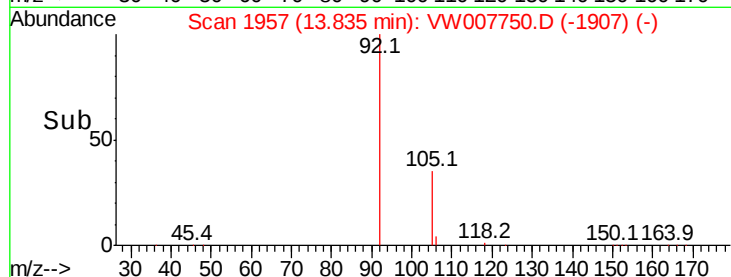
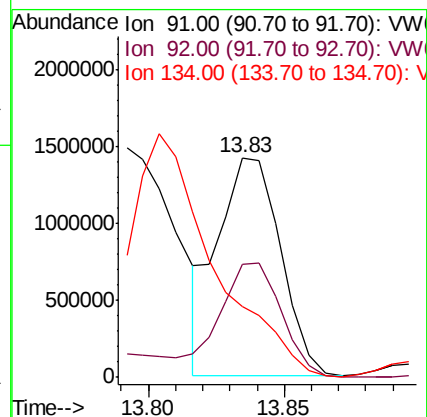
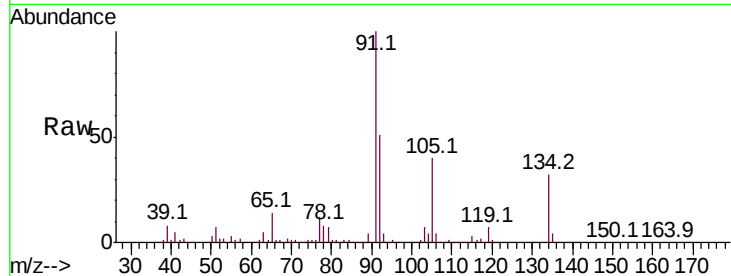
Tot Ion: 91 Resp: 2255491

Ion Ratio Lower Upper

91 100

92 52.2 26.4 79.2

134 0.0 13.7 41.0#



#90

Hexachloroethane

Concen: 1813.298 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007750.D

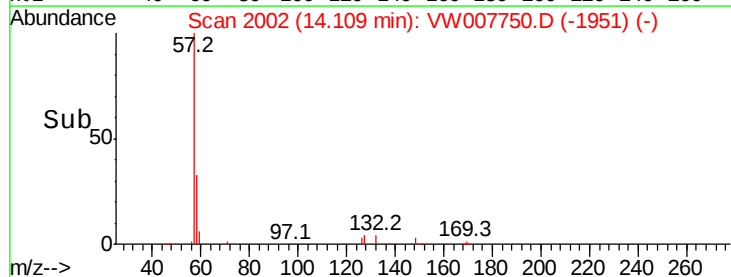
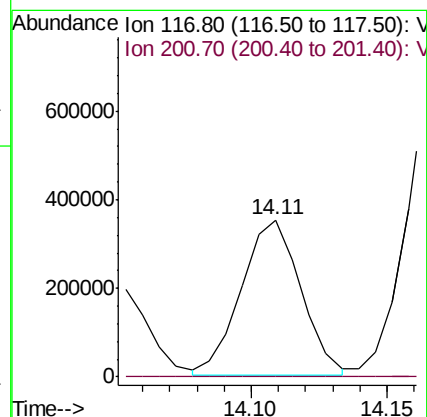
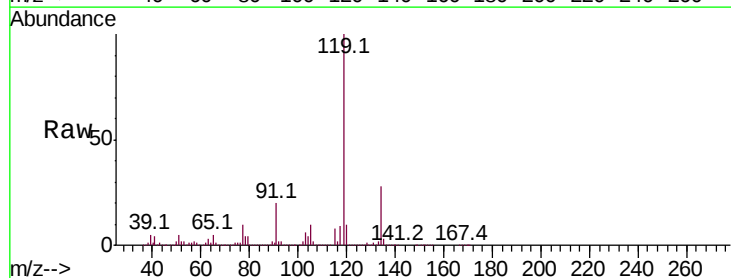
Acq: 20 Dec 2018 16:41

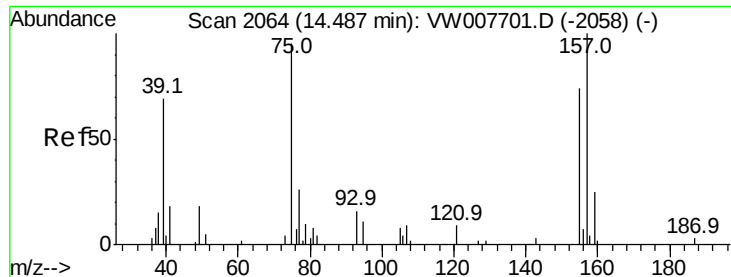
Tgt Ion: 117 Resp: 534614

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.862 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

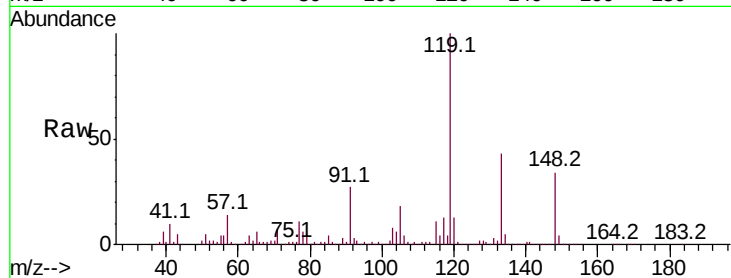
Tot Ion: 75 Resp: 3100

Ion Ratio Lower Upper

75 100

155 8.6 39.4 118.1#

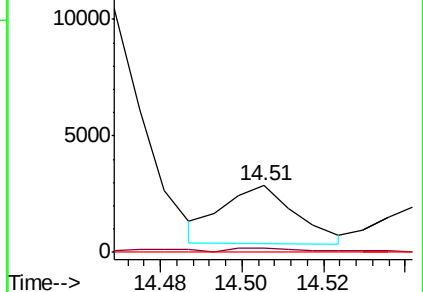
157 0.0 52.0 156.0#



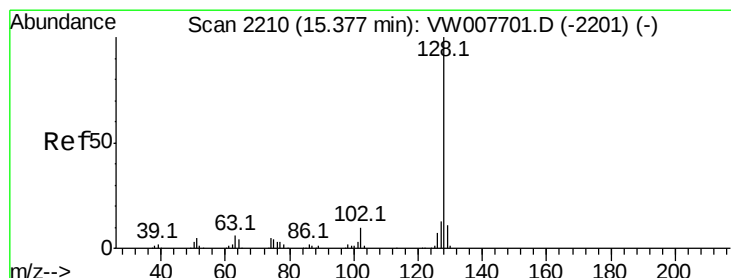
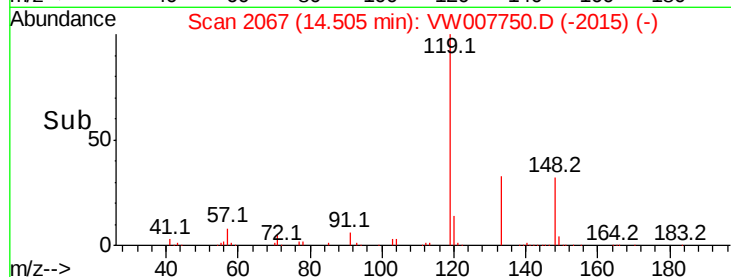
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#95

Naphthalene

Concen: 1388.777 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007750.D

Acq: 20 Dec 2018 16:41

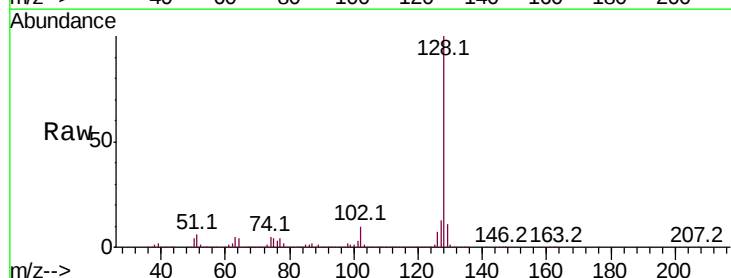
Tgt Ion:128 Resp: 1285649

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

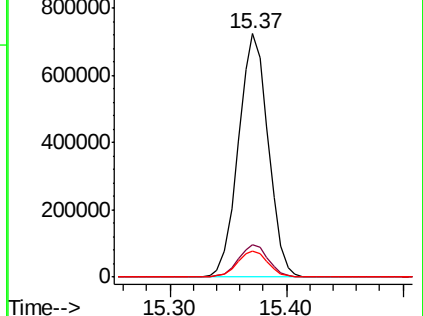
129 11.0 8.8 13.2



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



Time-->

