

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003959.D
 Acq On : 16 Jul 2018 18:50
 Operator : VA/AP
 Sample : J3975-03
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:51:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	15080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	11074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	5717	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.88	113	5183	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
50) Toluene-d8	10.33	98	16442	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	
62) 4-Bromofluorobenzene	12.63	95	12167	89.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.74%	

Target Compounds

					Qvalue	
3) Chloromethane	2.22	50	296	3.987	ug/l	89
13) Acrolein	3.92	56	47	5.902	ug/l #	69
16) Acetone	4.13	43	6809	252.408	ug/l	98
17) Carbon Disulfide	4.38	76	725	2.380	ug/l #	75
18) Methyl Acetate	4.67	43	110	1.699	ug/l #	54
20) Methylene Chloride	4.92	84	384	Below Cal	#	79
25) 2-Butanone	7.18	43	592	16.308	ug/l	98
29) Tetrahydrofuran	7.61	42	23	1.017	ug/l #	36
31) Cyclohexane	7.95	56	795	4.269	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	861	5.549	ug/l #	52
37) Ethyl Acetate	7.29	43	87	1.163	ug/l #	70
38) Carbon Tetrachloride	7.96	117	966	6.663	ug/l #	13
39) Methylcyclohexane	9.34	83	1270	6.989	ug/l	91
41) Methacrylonitrile	7.50	41	84	2.026	ug/l #	28
43) Isopropyl Acetate	8.42	43	489	3.494	ug/l #	53
46) Dibromomethane	9.47	93	161	2.824	ug/l #	3
48) Methyl methacrylate	9.43	41	206	3.043	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	426	5.713	ug/l	100
55) 1,1,2-Trichloroethane	10.78	97	812	10.127	ug/l #	19
56) Ethyl methacrylate	10.65	69	400	6.228	ug/l #	57
59) 2-Hexanone	11.04	43	513	9.761	ug/l	69
60) Dibromochloromethane	10.95	129	229	2.453	ug/l	87
61) 1,2-Dibromoethane	11.24	107	208	2.726	ug/l #	65
64) Tetrachloroethene	10.87	164	103	1.356	ug/l #	29
65) Chlorobenzene	11.56	112	3098	13.156	ug/l #	69
66) 1,1,1,2-Tetrachloroethane	11.74	131	107	1.308	ug/l #	1
67) Ethyl Benzene	11.74	91	1060	2.563	ug/l #	46
68) m/p-Xylenes	11.84	106	600	3.795	ug/l #	1
69) o-Xylene	12.17	106	941	6.416	ug/l	84
70) Styrene	12.18	104	379	1.547	ug/l #	83
71) Bromoform	12.34	173	788	17.056	ug/l #	82
73) Isopropylbenzene	12.46	105	3140	10.948	ug/l	78
74) N-amyl acetate	12.27	43	1271	17.007	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.70	83	37795	681.381	ug/l #	27

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 ALS Vial : 17 Sample Multiplier: 1

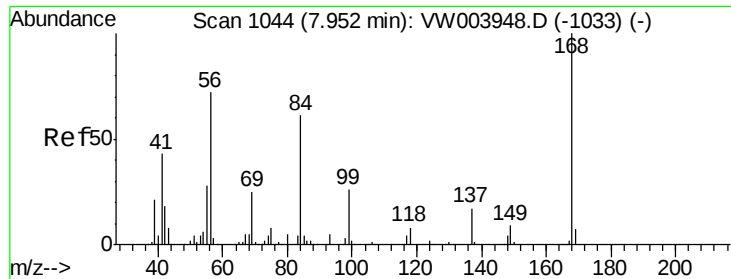
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:51:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
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 Response via : Initial Calibration

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

76) 1,2,3-Trichloropropane	12.91	75	22638	561.785	ug/l #	100
77) Bromobenzene	12.93	156	641965	9353.860	ug/l #	1
78) n-propylbenzene	12.57	91	949	2.697	ug/l	81
79) 2-Chlorotoluene	12.88	91	763	3.845	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.11	105	1705	7.064	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.42	75	3182	174.668	ug/l #	28
82) 4-Chlorotoluene	12.98	91	593	2.784	ug/l #	41
83) tert-Butylbenzene	13.21	119	7975	39.354	ug/l #	35
84) 1,2,4-Trimethylbenzene	13.26	105	2160	8.698	ug/l	86
85) sec-Butylbenzene	13.38	105	836	2.780	ug/l #	1
86) p-Isopropyltoluene	13.73	119	965	3.659	ug/l	91
87) 1,3-Dichlorobenzene	13.51	146	906	6.609	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	1022	7.434	ug/l #	1
89) n-Butylbenzene	13.82	91	912	3.518	ug/l #	15
90) Hexachloroethane	14.11	117	707	14.542	ug/l #	9
91) 1,2-Dichlorobenzene	13.88	146	576	4.716	ug/l #	66
92) 1,2-Dibromo-3-Chloropropan	14.51	75	314	31.835	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.14	180	509	5.934	ug/l #	1
95) Naphthalene	15.38	128	4578	28.917	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.57	180	518	6.821	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

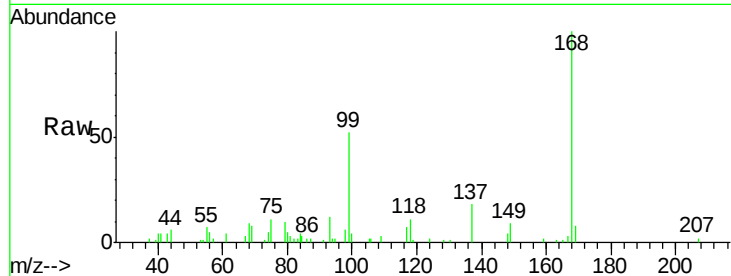
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 10043

Ion Ratio Lower Upper

168 100

99 52.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

5000

4000

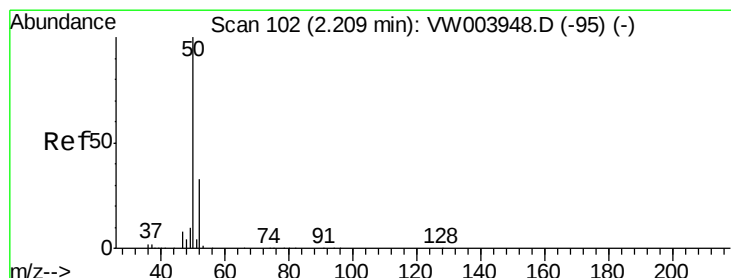
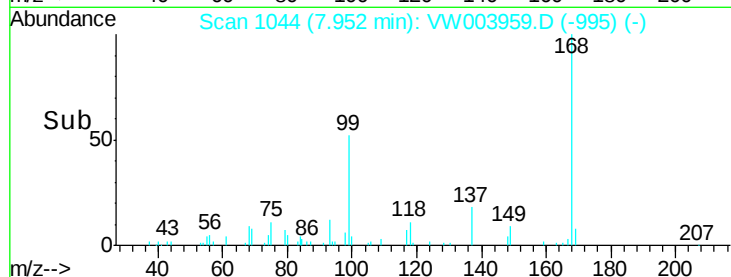
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 3.987 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW003959.D

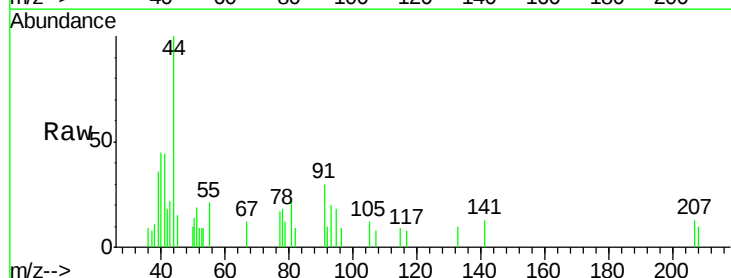
Acq: 16 Jul 2018 18:50

Tgt Ion: 50 Resp: 296

Ion Ratio Lower Upper

50 100

52 38.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

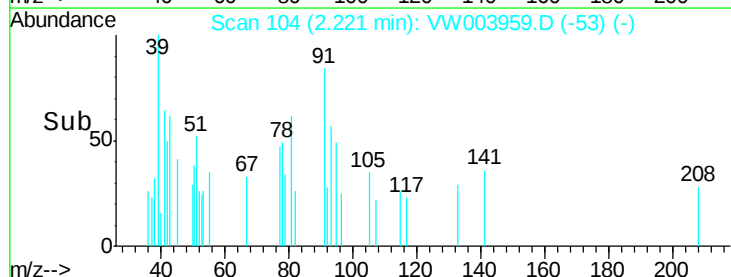
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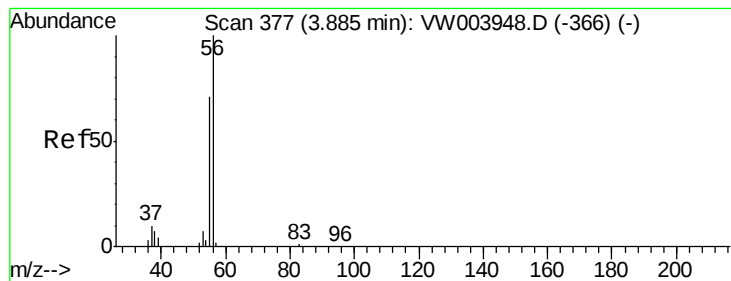
100

50

0

Time-->





#13

Acrolein

Concen: 5.902 ug/l

RT: 3.92 min Scan# 383

Delta R.T. 0.04 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

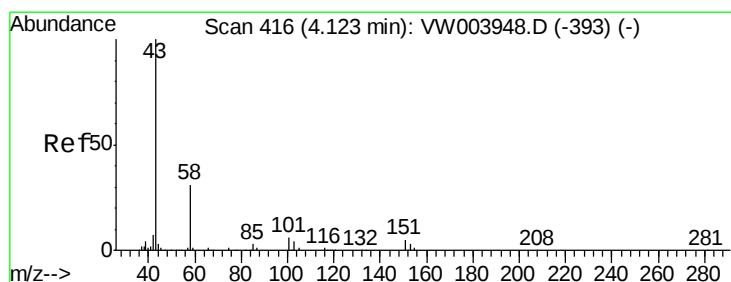
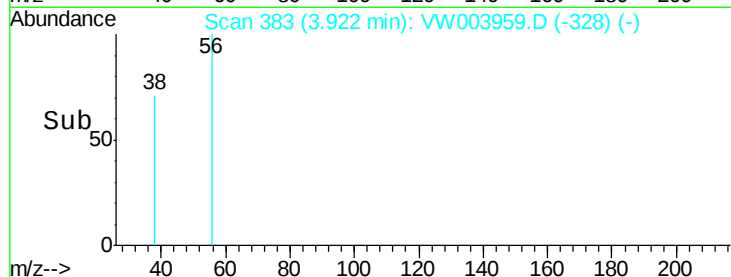
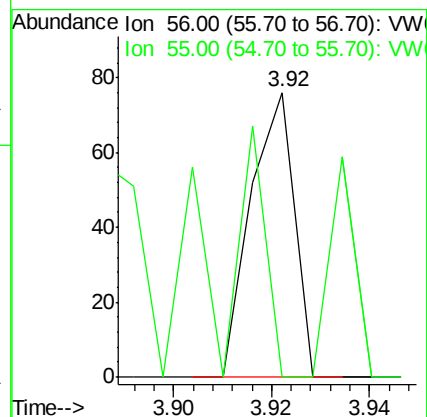
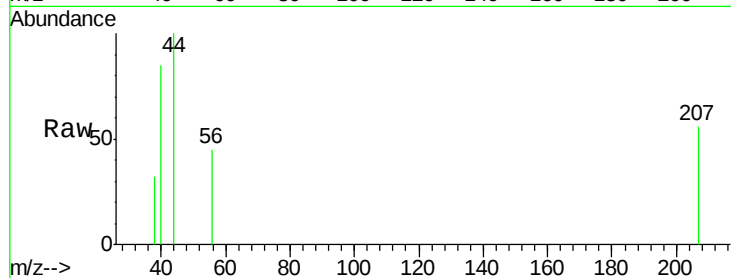
ClientSampled :

Tot Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 46.8 58.2 87.4#



#16

Acetone

Concen: 252.408 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003959.D

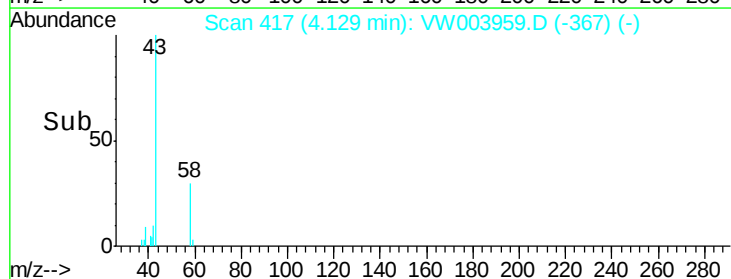
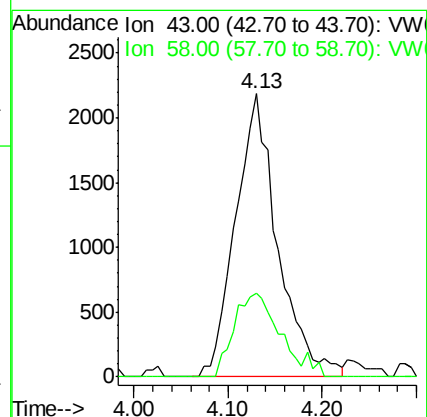
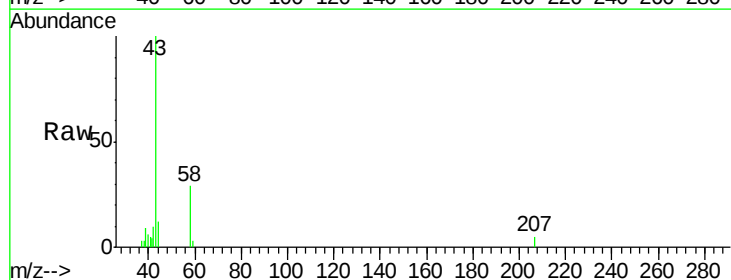
Acq: 16 Jul 2018 18:50

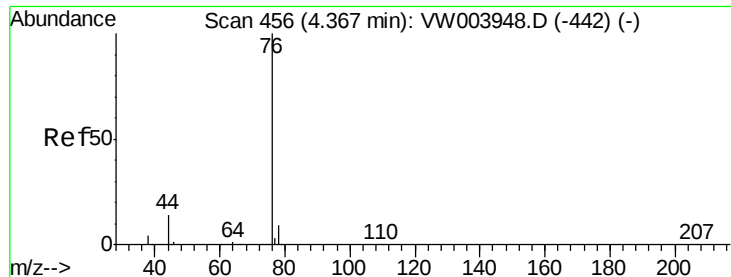
Tgt Ion: 43 Resp: 6809

Ion Ratio Lower Upper

43 100

58 29.4 24.5 36.7





#17

Carbon Disulfide

Concen: 2.380 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

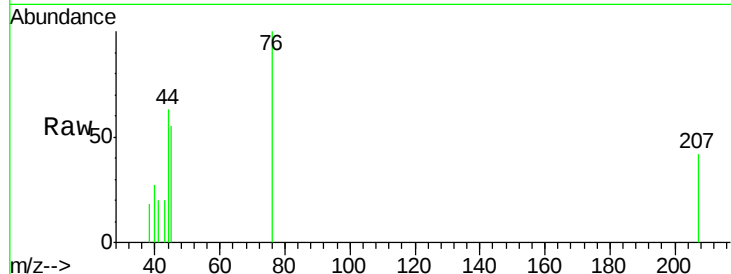
ClientSampleId :

Tot Ion: 76 Resp: 725

Ion Ratio Lower Upper

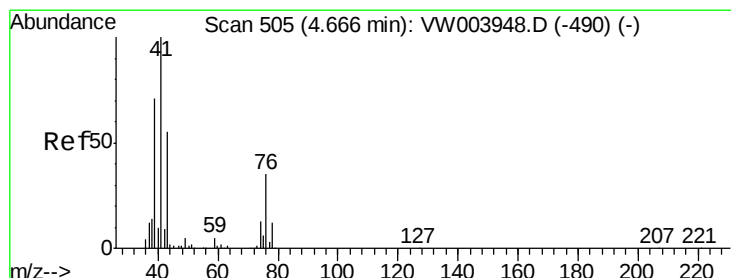
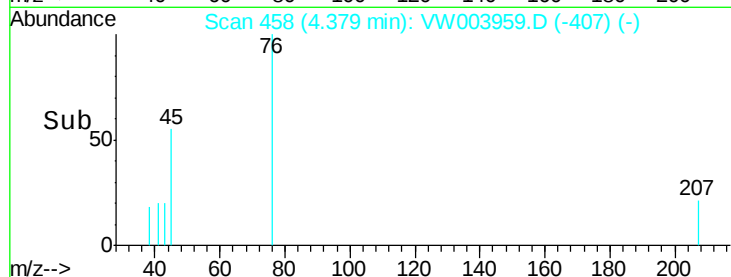
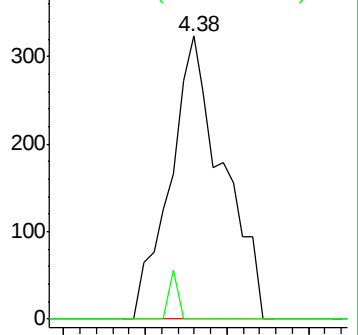
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.699 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003959.D

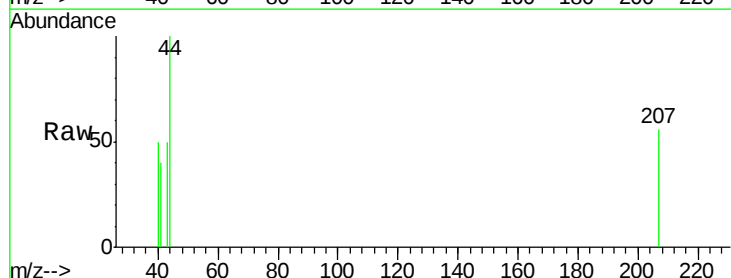
Acq: 16 Jul 2018 18:50

Tgt Ion: 43 Resp: 110

Ion Ratio Lower Upper

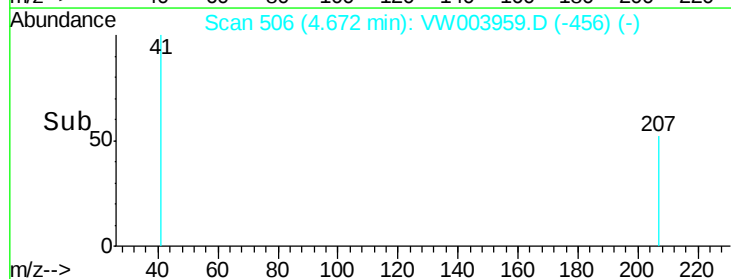
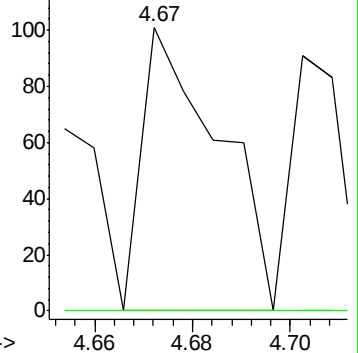
43 100

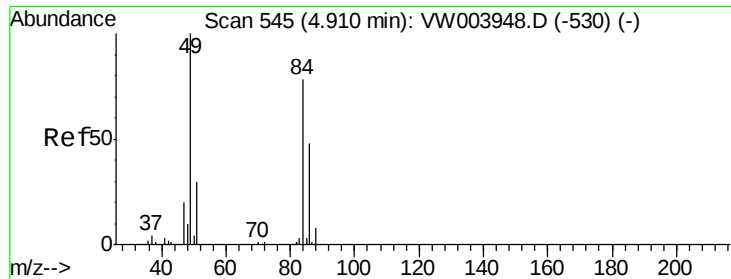
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

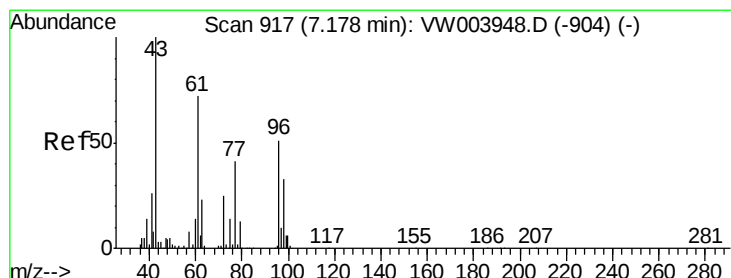
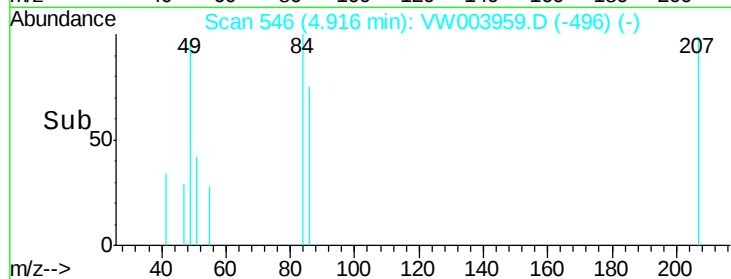
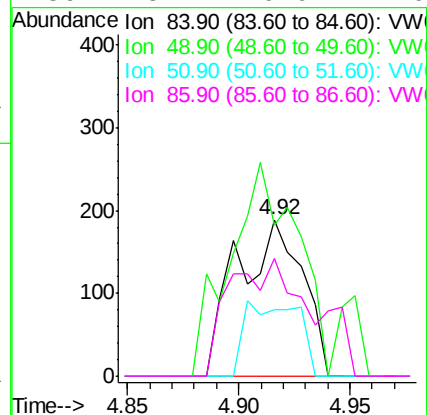
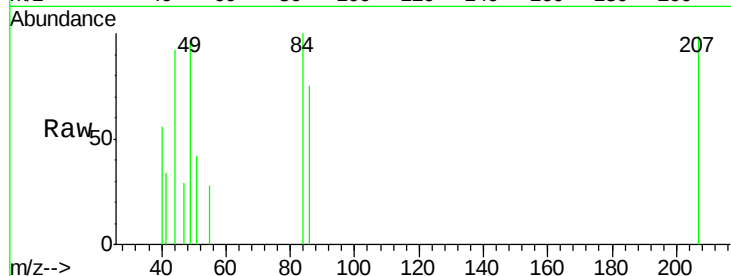




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

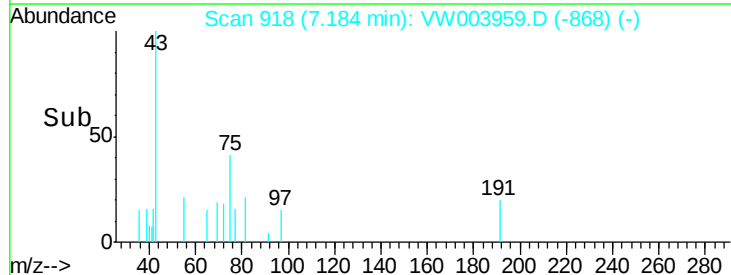
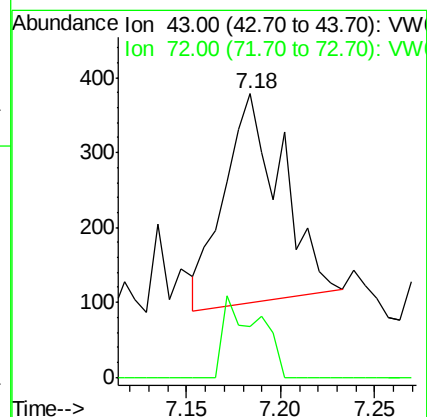
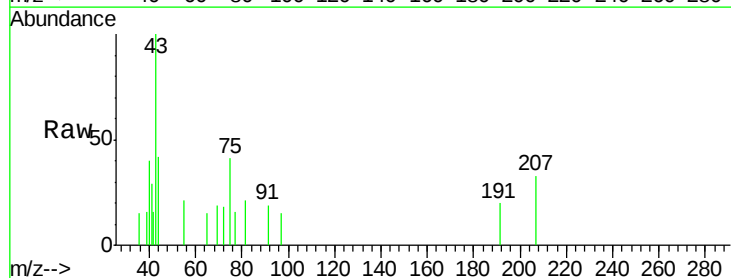
Instrument :
MSVOA_W
ClientSampleId :

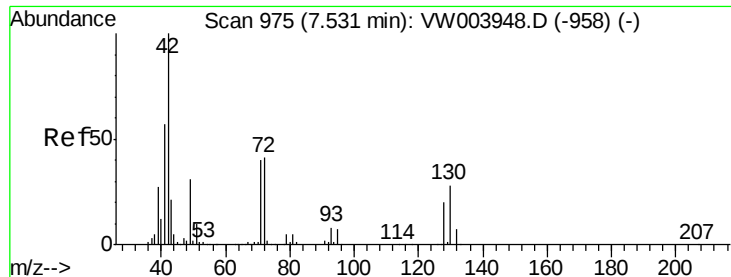
Tot Ion: 84 Resp: 384
Ion Ratio Lower Upper
84 100
49 96.8 102.9 154.3#
51 42.3 30.9 46.3
86 75.1 49.9 74.9#



#25
2-Butanone
Concen: 16.308 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
72 25.8 19.8 29.6

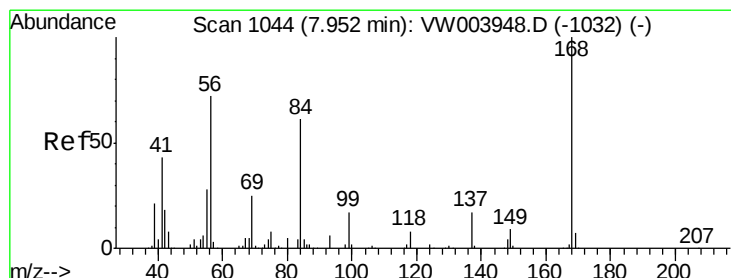
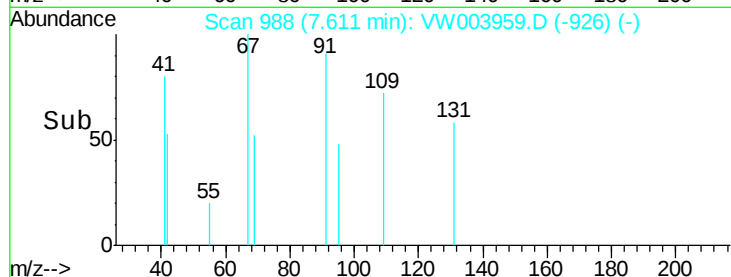
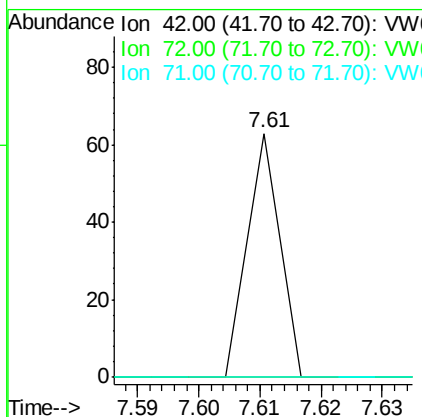
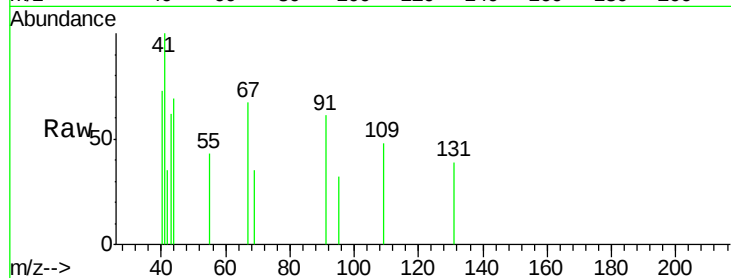




#29
Tetrahydrofuran
Concen: 1.017 ug/l
RT: 7.61 min Scan# 988
Delta R.T. 0.08 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

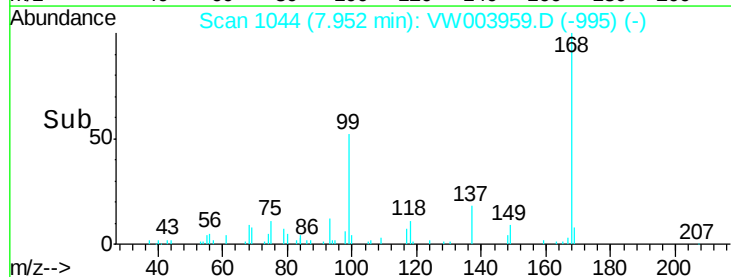
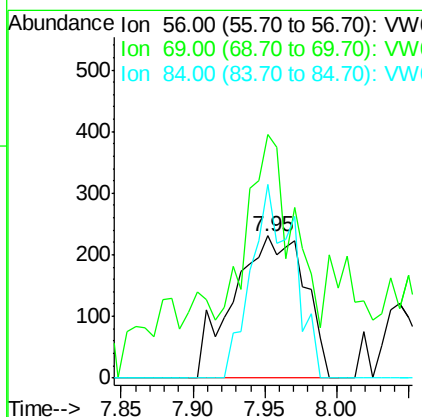
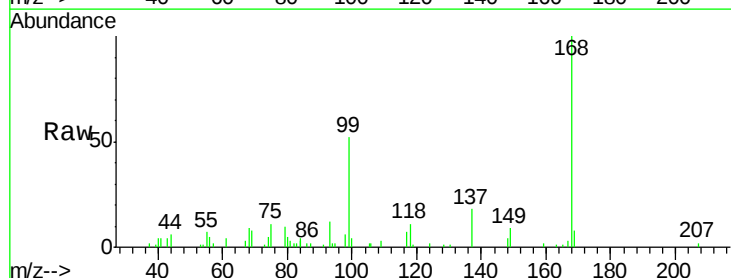
Instrument :
MSVOA_W
ClientSampleId :

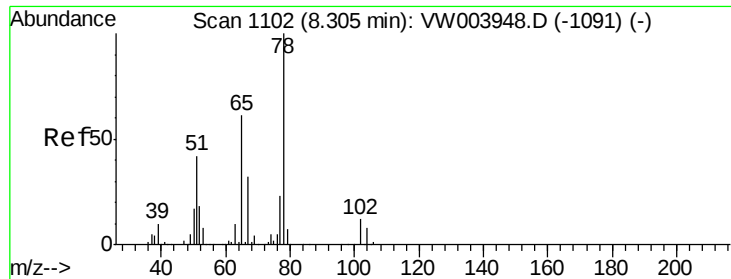
Tot Ion: 42 Resp: 23
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 30.5 45.7#



#31
Cyclohexane
Concen: 4.269 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 56 Resp: 795
Ion Ratio Lower Upper
56 100
69 125.1 27.8 41.8#
84 135.9 67.2 100.8#

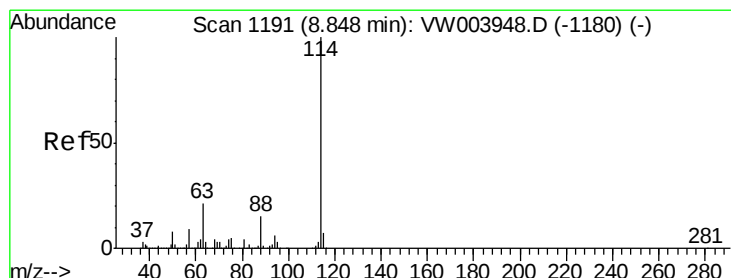
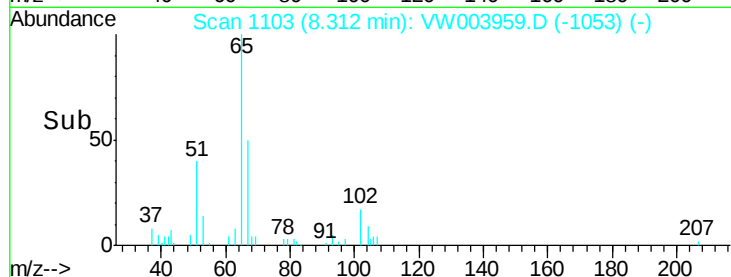
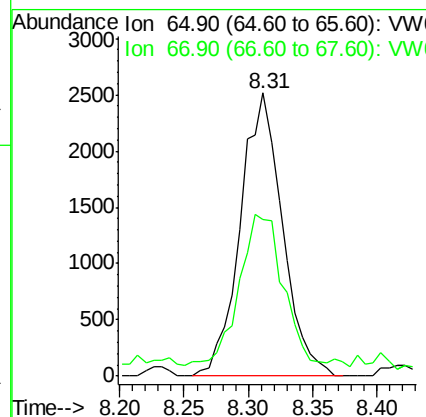
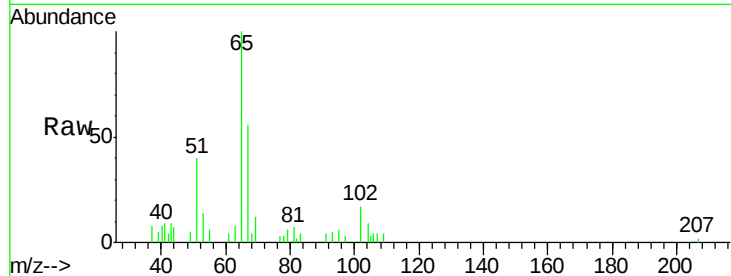




#33
 1,2-Dichloroethane-d4
 Concen: 50.926 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

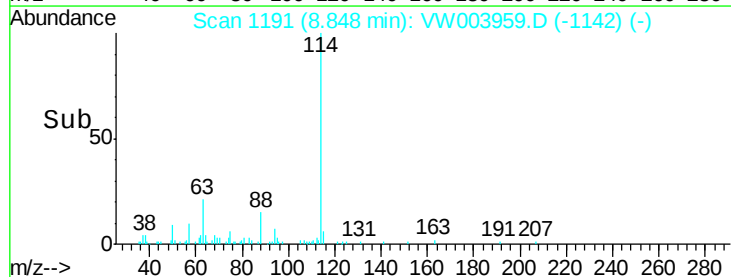
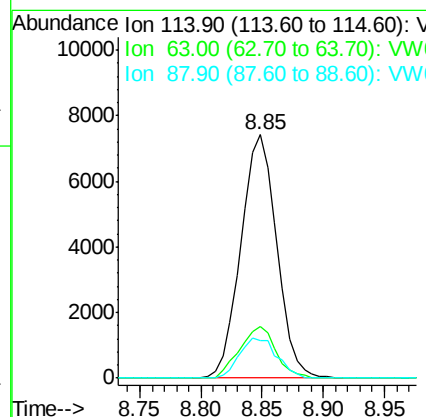
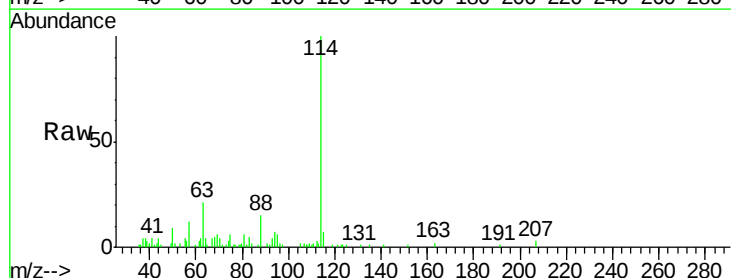
Instrument :
 MSVOA_W
 ClientSampled :

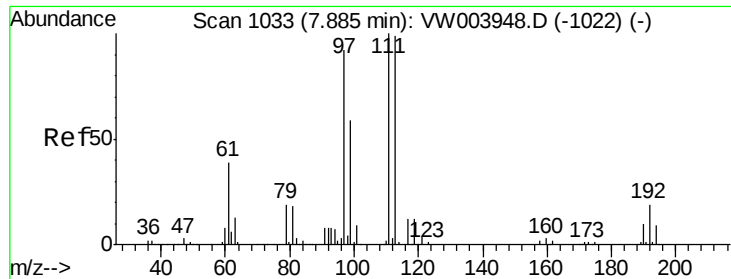
Tot Ion: 65 Resp: 5717
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion: 114 Resp: 15080
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 15.3 0.0 30.4

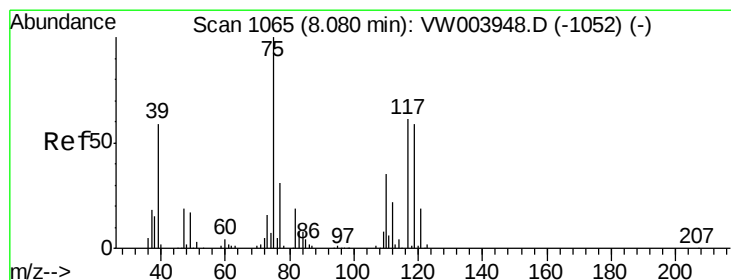
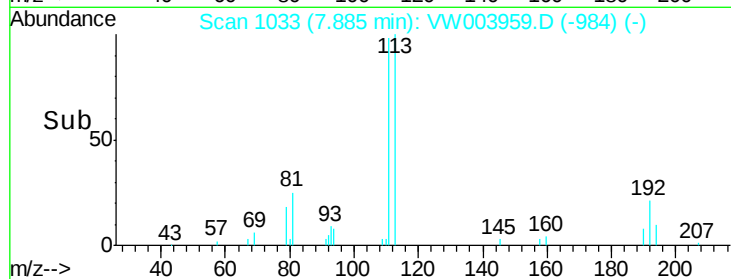
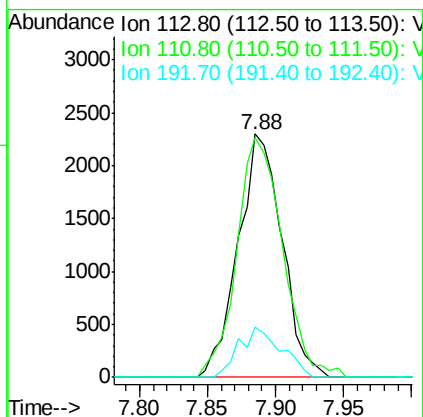
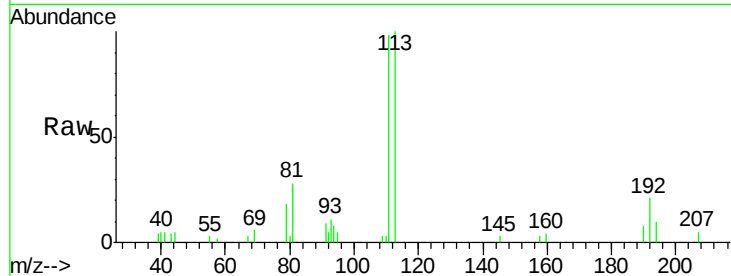




#35
 Dibromofluoromethane
 Concen: 53.567 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

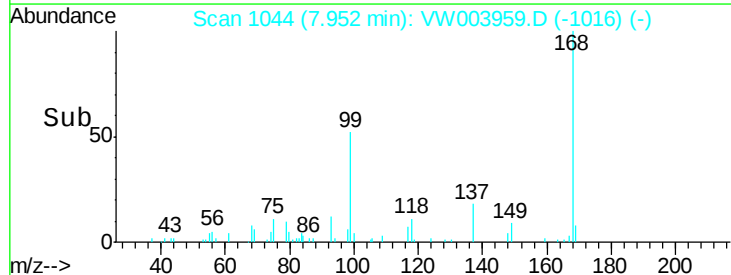
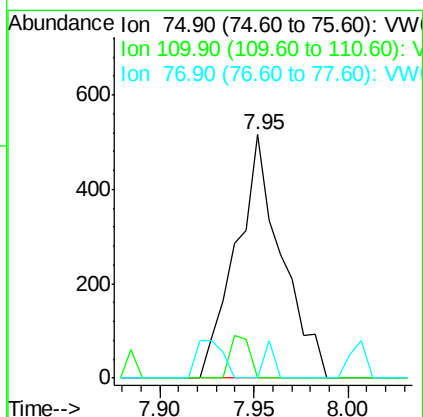
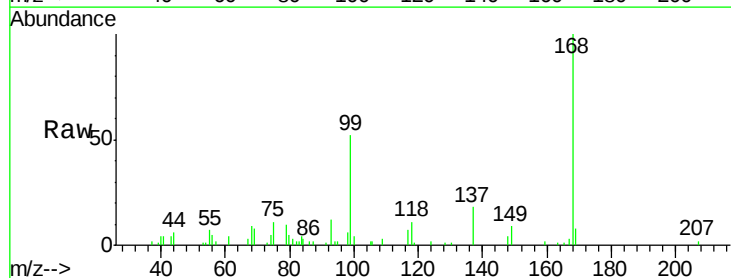
Instrument :
 MSVOA_W
 ClientSampleId :

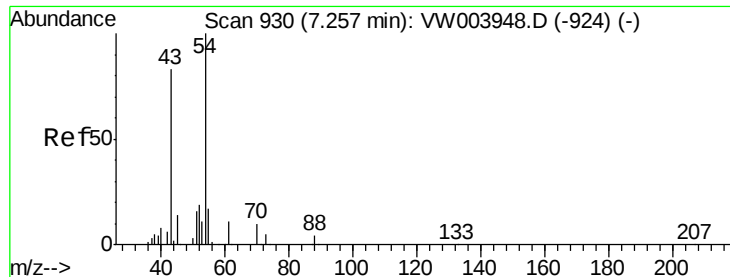
Tot Ion:113 Resp: 5183
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 19.9 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.549 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion: 75 Resp: 861
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.0 51.0#
 77 3.4 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.163 ug/l

RT: 7.29 min Scan# 936

Delta R.T. 0.04 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :
MSVOA_W
ClientSampled :

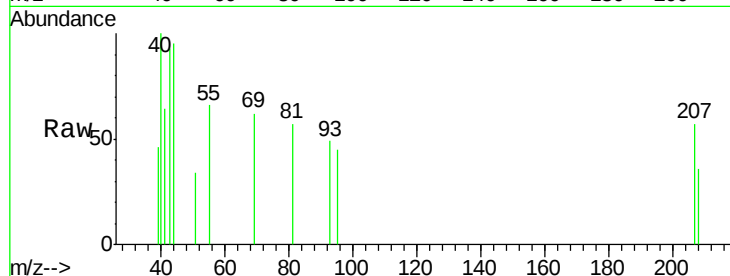
Tot Ion: 43 Resp: 87

Ion Ratio Lower Upper

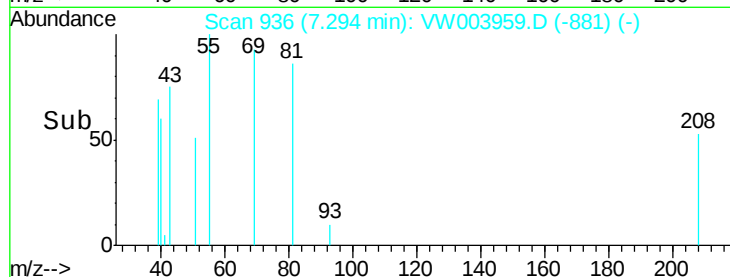
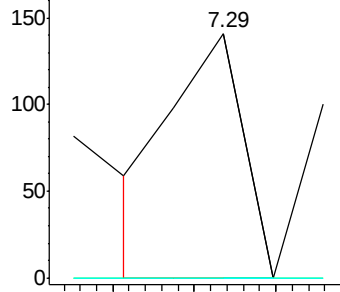
43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#



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



#38

Carbon Tetrachloride

Concen: 6.663 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

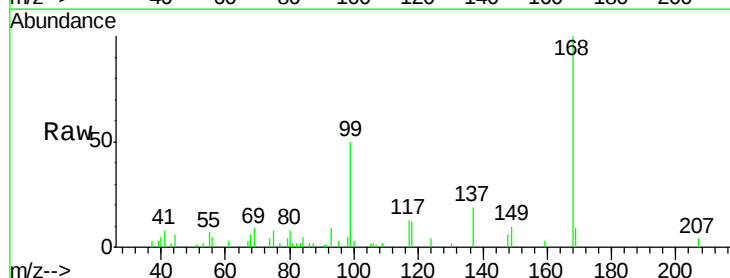
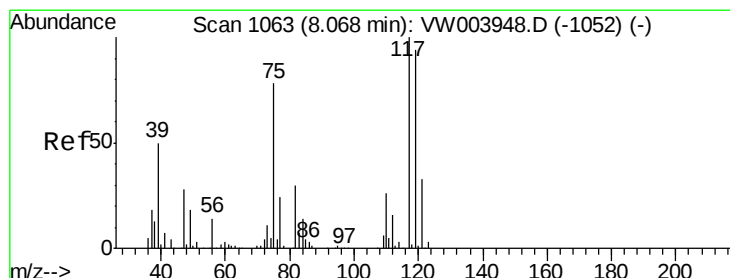
Tgt Ion: 117 Resp: 966

Ion Ratio Lower Upper

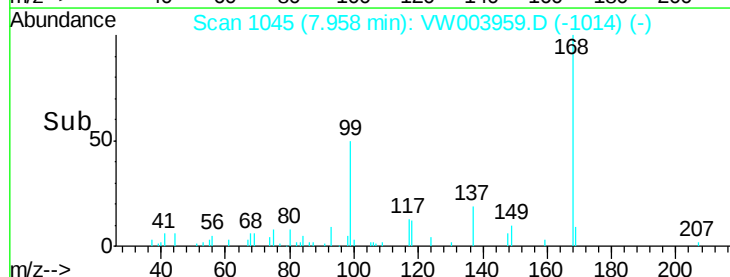
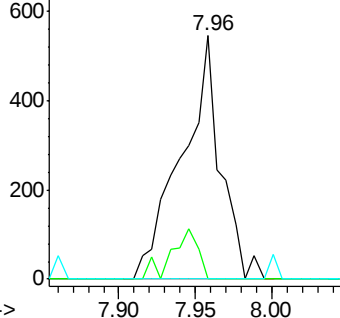
117 100

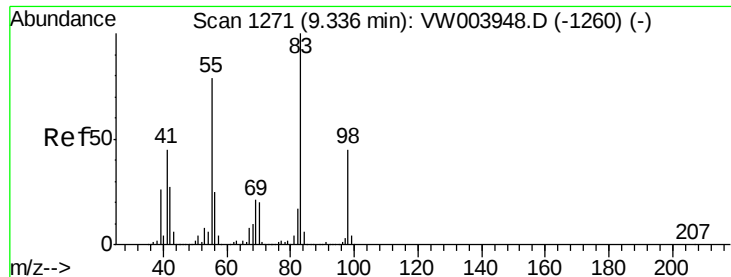
119 0.0 75.3 112.9#

121 0.0 26.0 39.0#



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

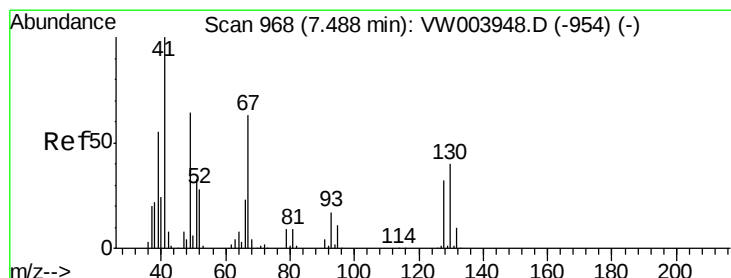
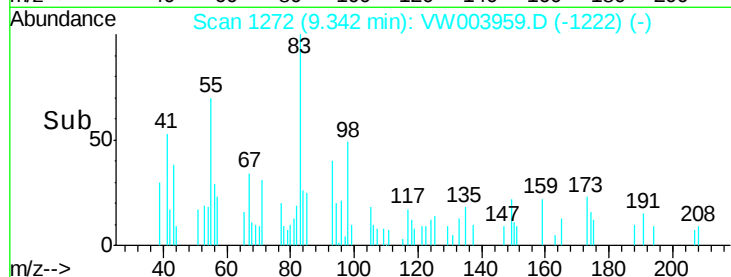
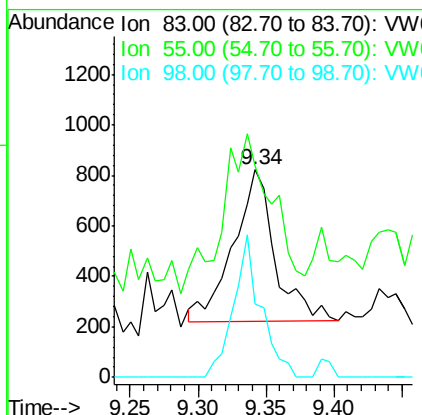
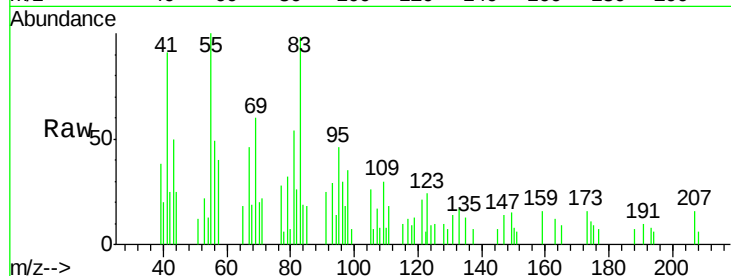




#39
Methylcyclohexane
Concen: 6.989 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

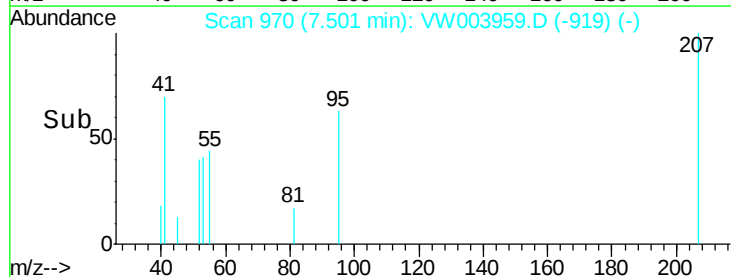
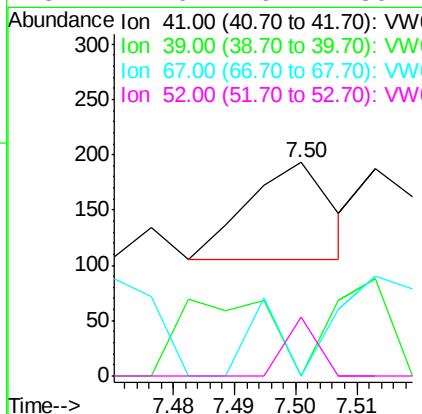
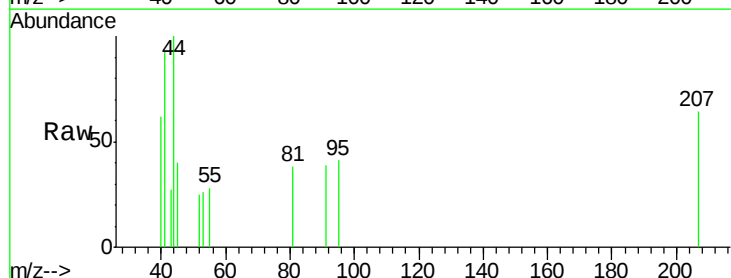
Instrument :
MSVOA_W
ClientSampled :

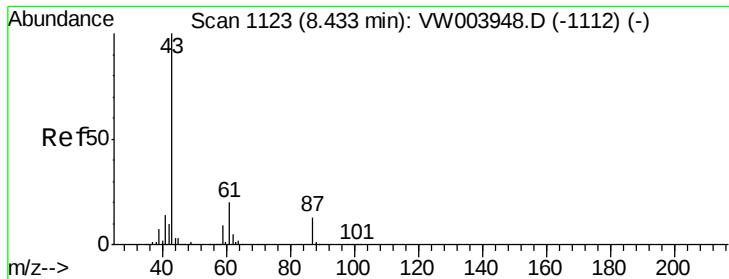
Tot Ion: 83 Resp: 1270
Ion Ratio Lower Upper
83 100
55 69.5 62.8 94.2
98 49.0 36.2 54.4



#41
Methacrylonitrile
Concen: 2.026 ug/l
RT: 7.50 min Scan# 970
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 41 Resp: 84
Ion Ratio Lower Upper
41 100
39 0.0 50.0 75.0#
67 0.0 60.8 91.2#
52 22.6 26.2 39.4#





#43

Isopropyl Acetate

Concen: 3.494 ug/l

RT: 8.42 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

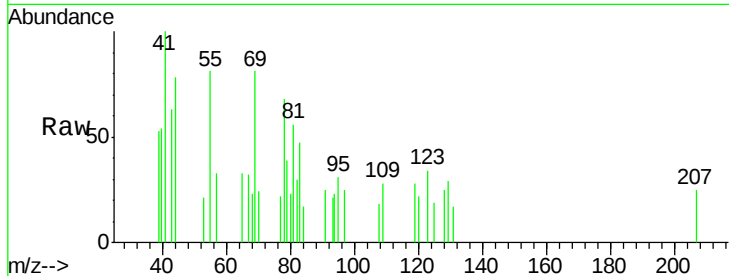
Tot Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

87 0.0 9.9 14.9#



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

8.42

150

100

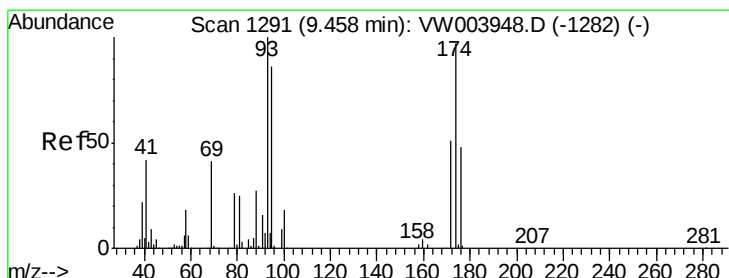
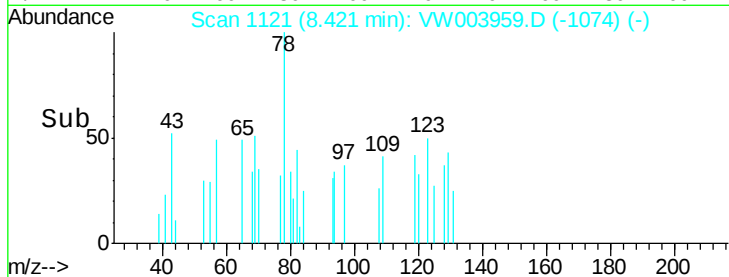
50

0

8.40

8.45

Time-->



#46

Dibromomethane

Concen: 2.824 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

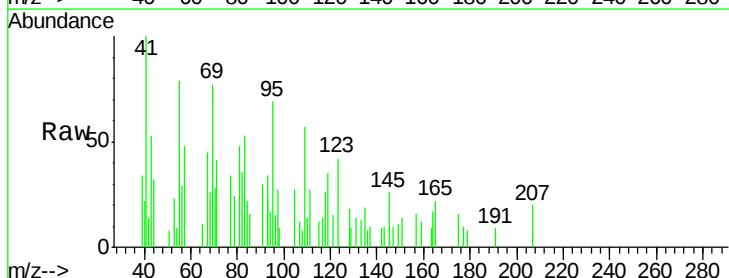
Tgt Ion: 93 Resp: 161

Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 80.2 120.2#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.47

400

200

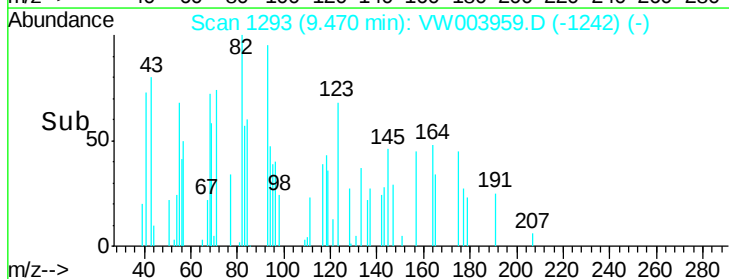
0

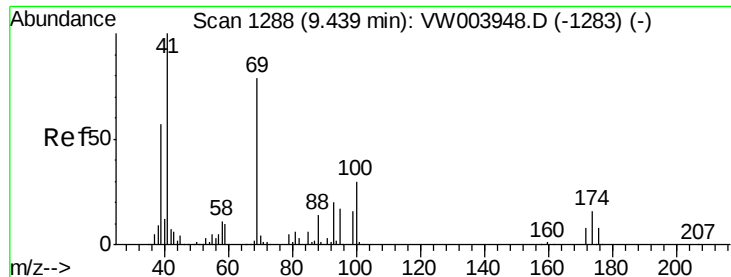
9.46

9.48

9.50

Time-->

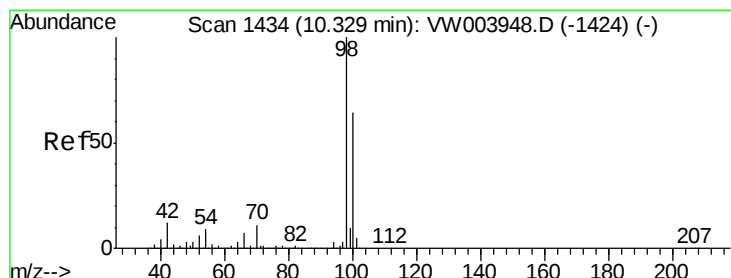
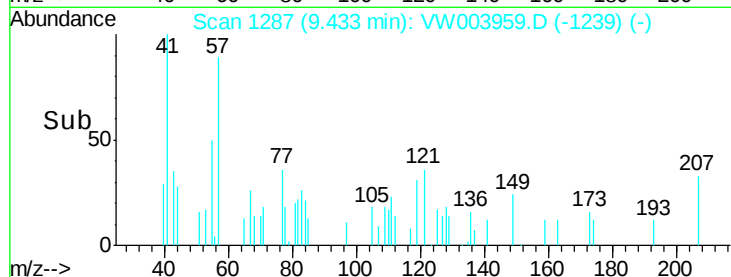
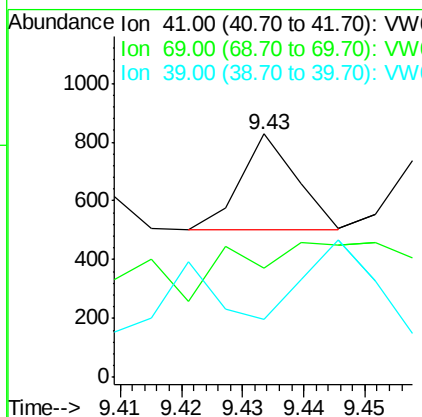
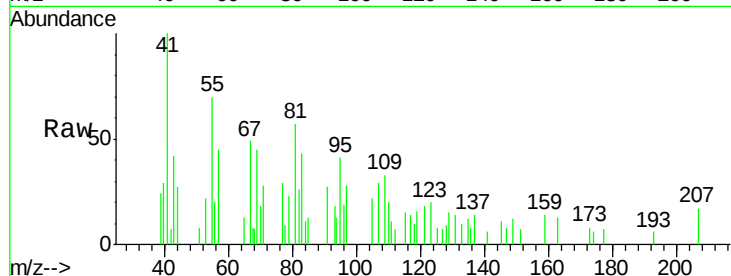




#48
Methvl methacrylate
Concen: 3.043 ug/l
RT: 9.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

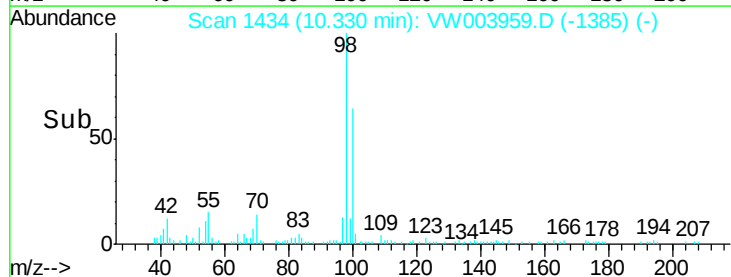
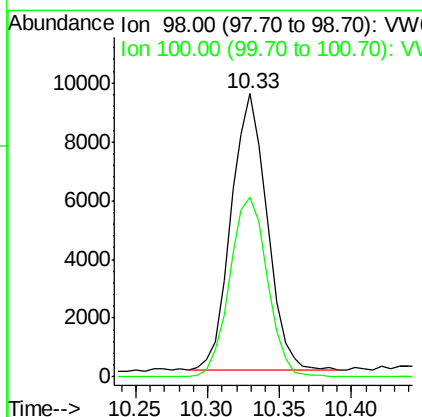
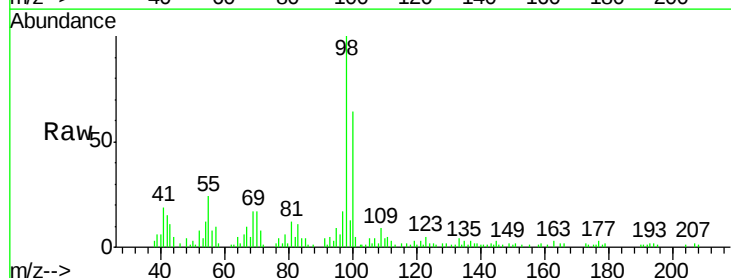
Instrument :
MSVOA_W
ClientSampleId :

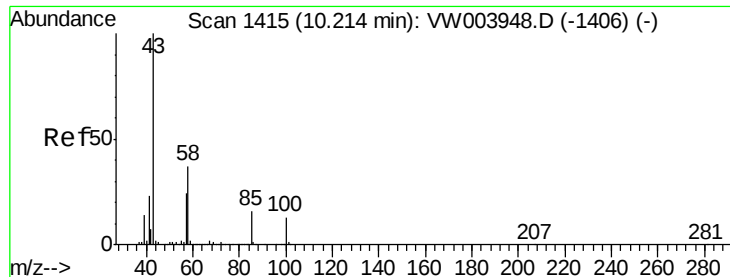
Tot Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
69 211.2 67.0 100.6#
39 129.1 48.8 73.2#



#50
Toluene-d8
Concen: 43.794 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 98 Resp: 16442
Ion Ratio Lower Upper
98 100
100 67.7 51.2 76.8

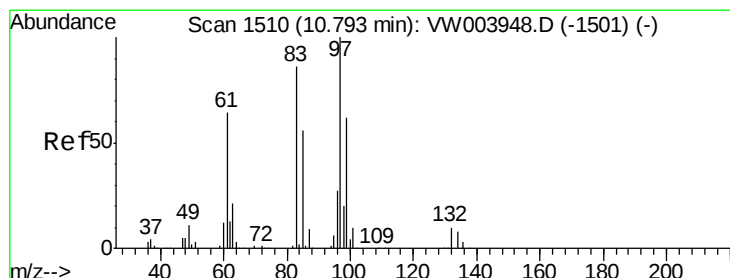
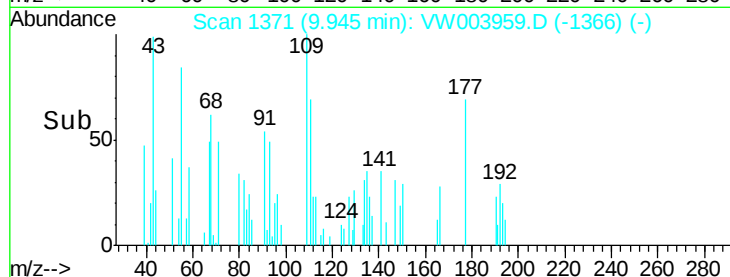
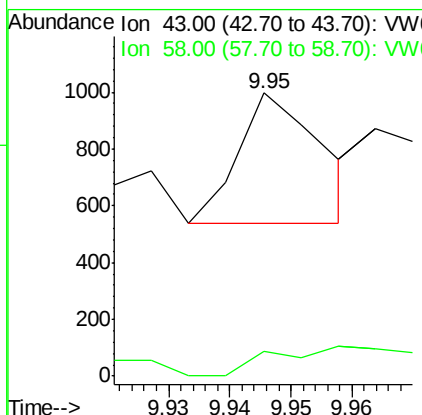
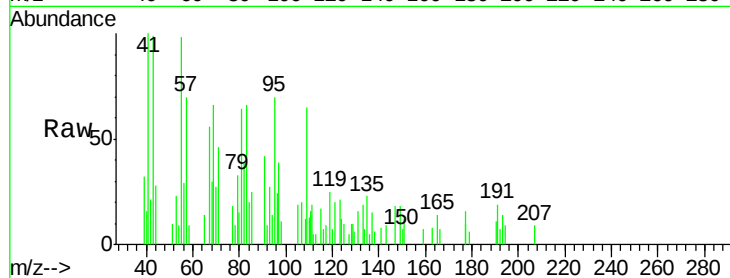




#51
4-Methyl-2-Pentanone
Concen: 5.713 ug/l
RT: 9.95 min Scan# 1371
Delta R.T. -0.27 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

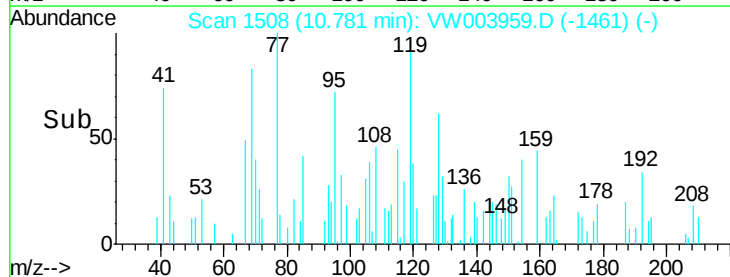
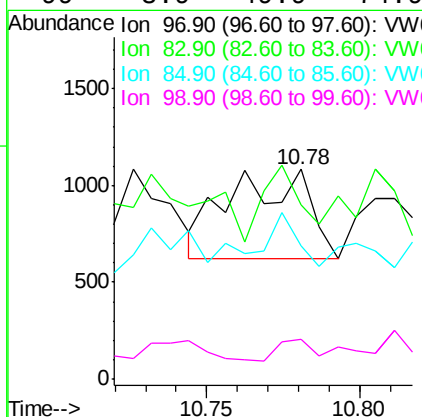
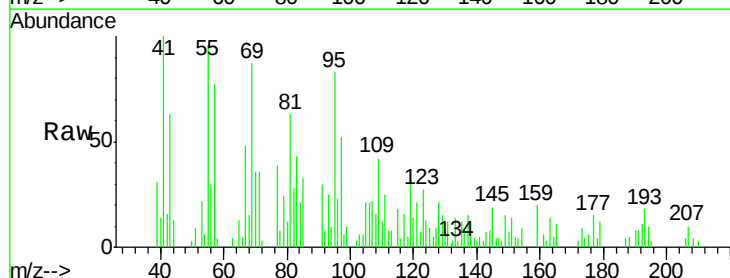
Instrument :
MSVOA_W
ClientSampled :

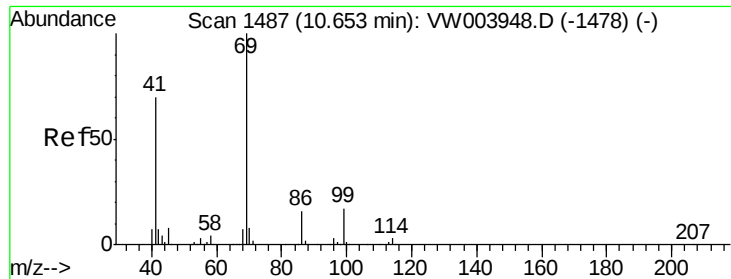
Tot Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
58 37.3 29.9 44.9



#55
1,1,2-Trichloroethane
Concen: 10.127 ug/l
RT: 10.78 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 97 Resp: 812
Ion Ratio Lower Upper
97 100
83 1.9 69.0 103.4#
85 0.6 45.0 67.6#
99 8.9 49.9 74.9#

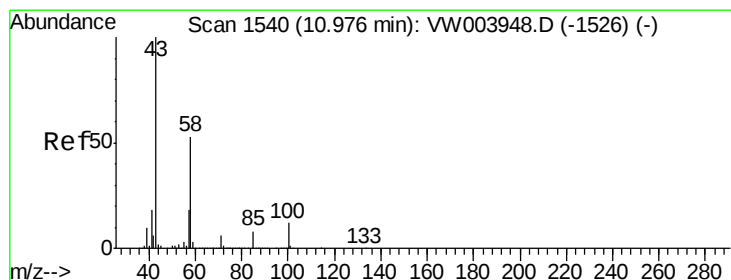
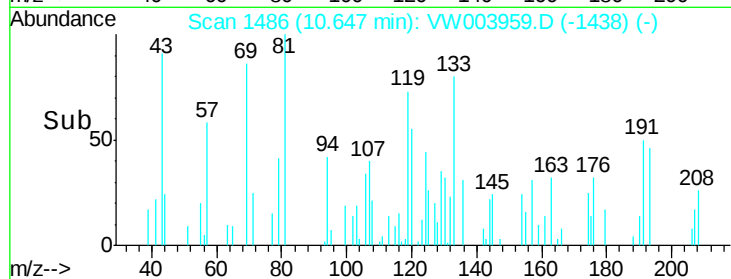
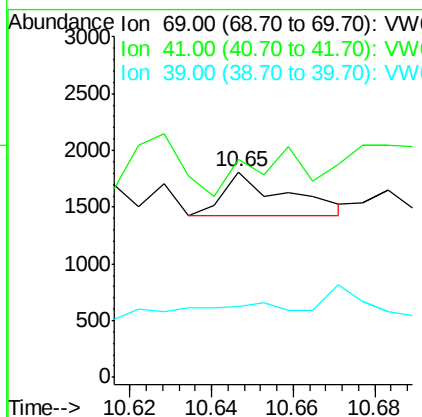
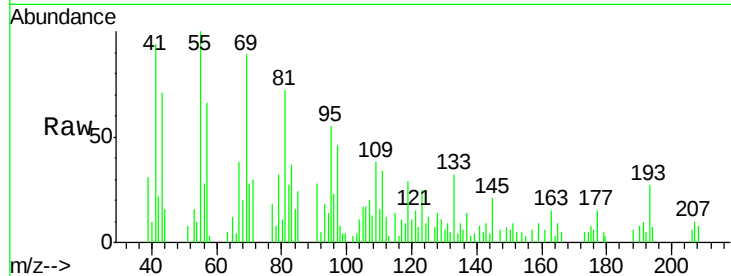




#56
Ethyl methacrylate
Concen: 6.228 ug/l
RT: 10.65 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

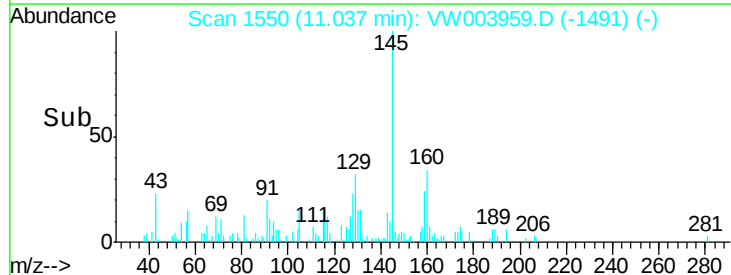
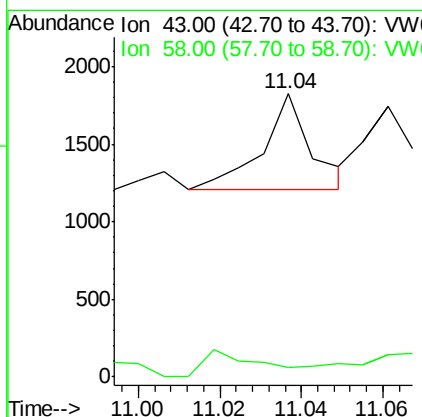
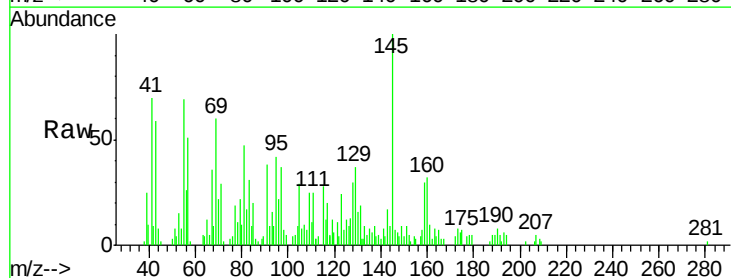
Instrument :
MSVOA_W
ClientSampled :

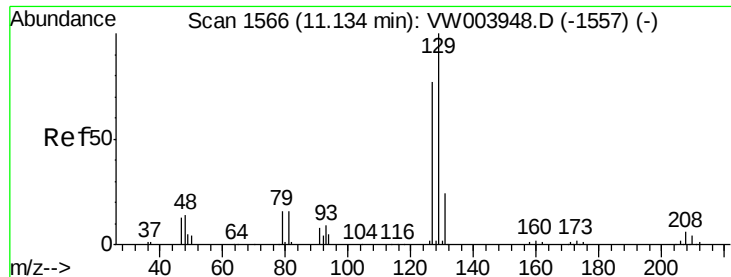
Tot Ion: 69 Resp: 400
Ion Ratio Lower Upper
69 100
41 97.5 56.5 84.7#
39 0.0 30.2 45.4#



#59
2-Hexanone
Concen: 9.761 ug/l
RT: 11.04 min Scan# 1550
Delta R.T. 0.06 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
58 30.2 26.0 78.0





#60

Dibromochloromethane

Concen: 2.453 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.19 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

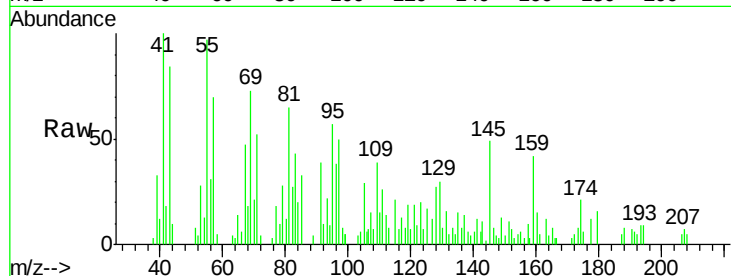
ClientSampleId :

Tot Ion:129 Resp: 229

Ion Ratio Lower Upper

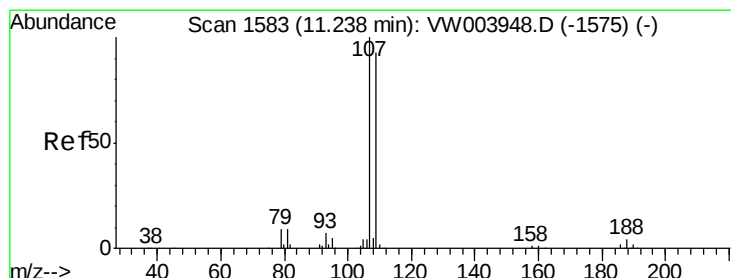
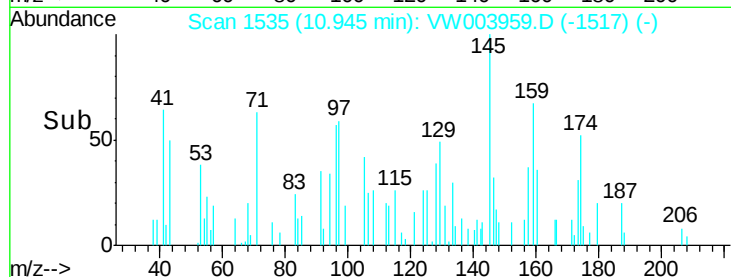
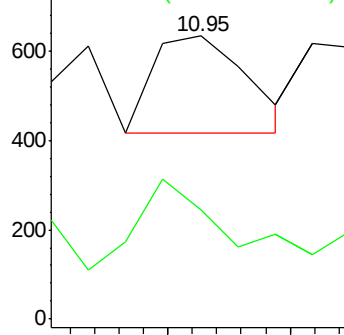
129 100

127 90.0 39.1 117.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.726 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW003959.D

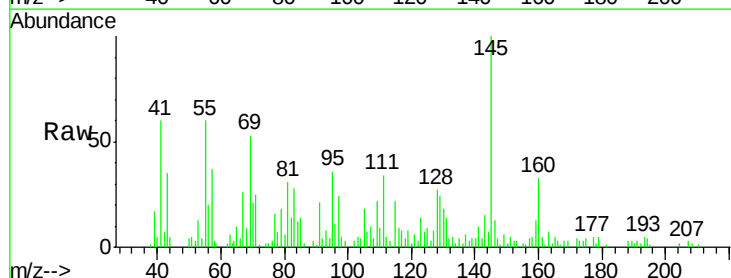
Acq: 16 Jul 2018 18:50

Tgt Ion:107 Resp: 208

Ion Ratio Lower Upper

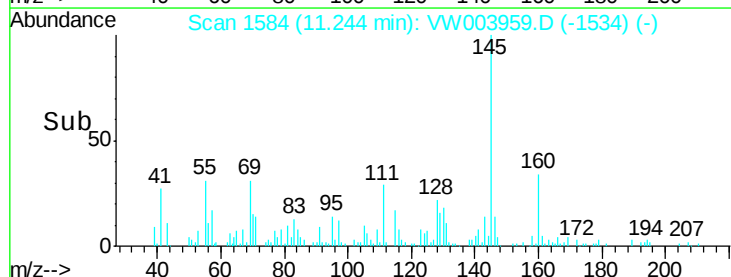
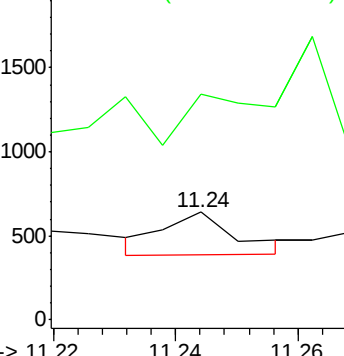
107 100

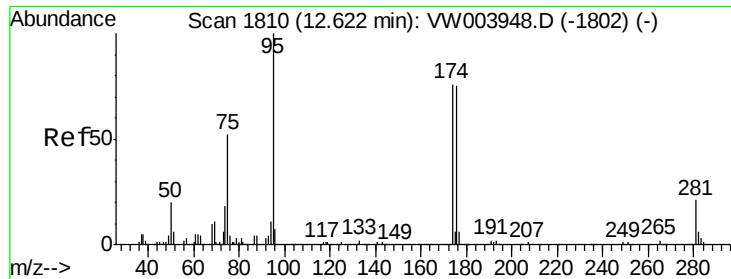
109 126.9 74.3 111.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

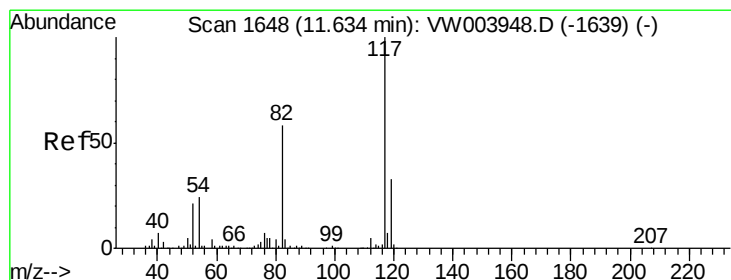
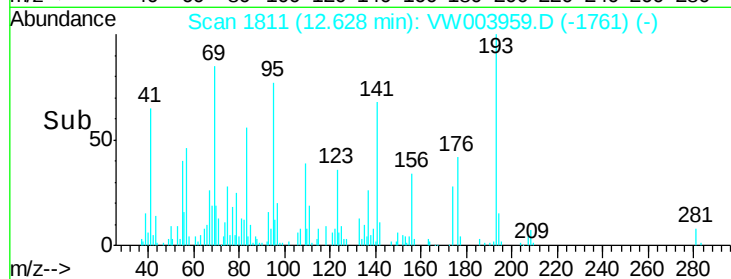
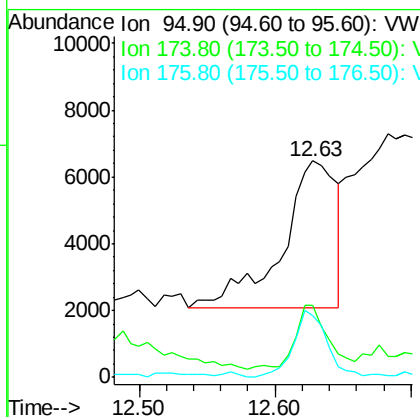
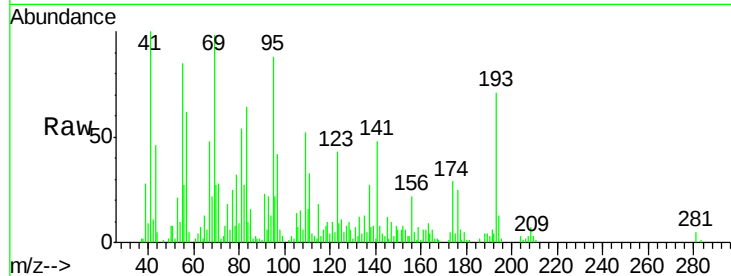




#62
4-Bromofluorobenzene
Concen: 89.870 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

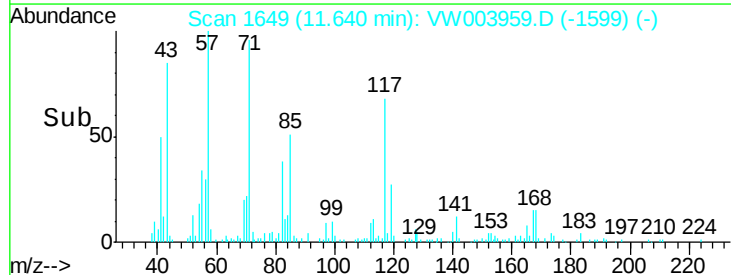
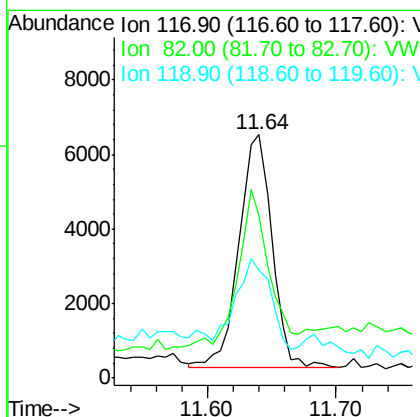
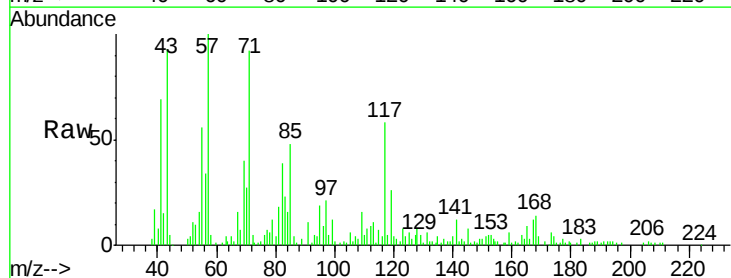
Instrument :
MSVOA_W
ClientSampleId :

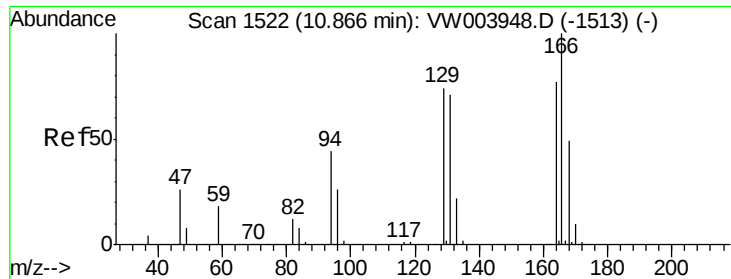
Tot Ion: 95 Resp: 12167
Ion Ratio Lower Upper
95 100
174 26.2 0.0 160.2
176 28.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 117 Resp: 11074
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 33.2 26.2 39.2





#64

Tetrachloroethene

Concen: 1.356 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 103

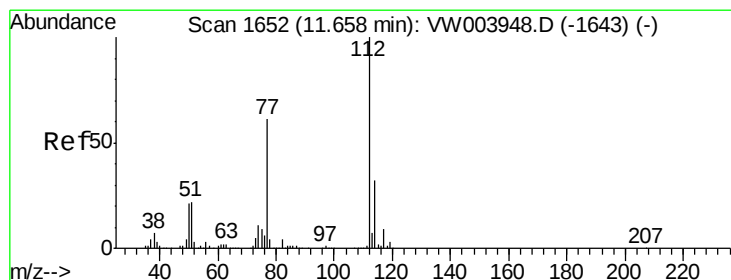
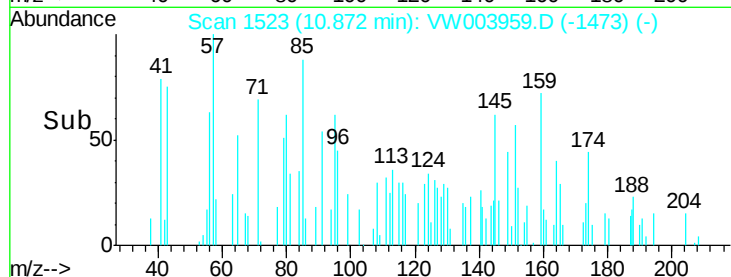
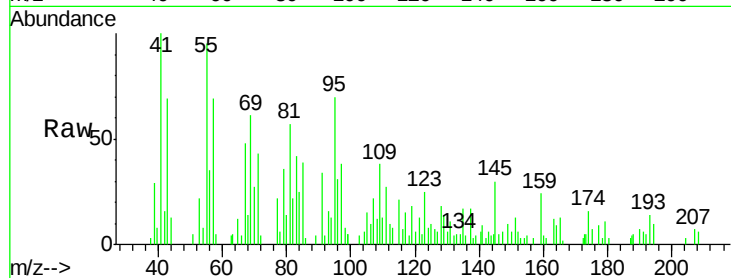
Ion Ratio Lower Upper

164 100

166 38.9 103.5 155.3#

129 0.0 76.8 115.2#

131 61.1 73.2 109.8#



#65

Chlorobenzene

Concen: 13.156 ug/l

RT: 11.56 min Scan# 1636

Delta R.T. -0.10 min

Lab File: VW003959.D

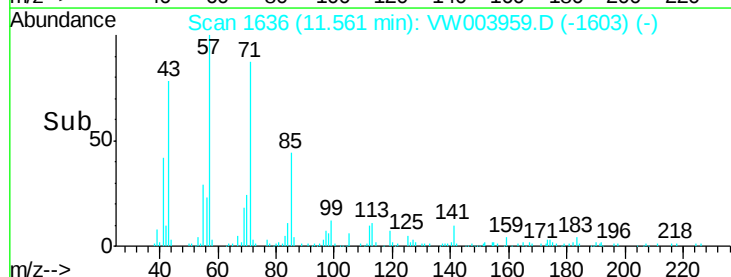
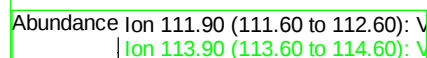
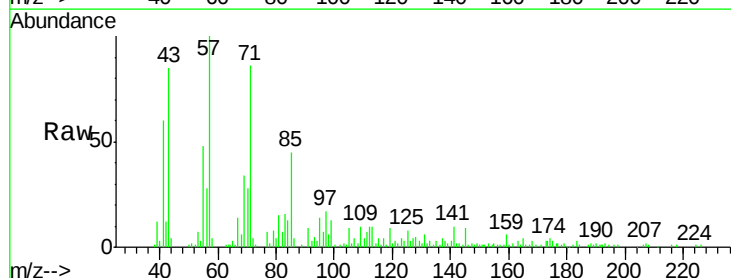
Acq: 16 Jul 2018 18:50

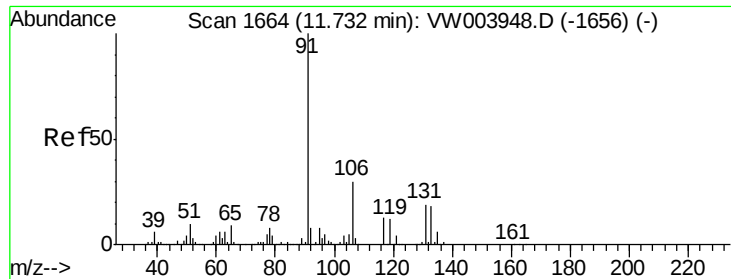
Tgt Ion:112 Resp: 3098

Ion Ratio Lower Upper

112 100

114 14.3 25.2 37.8#

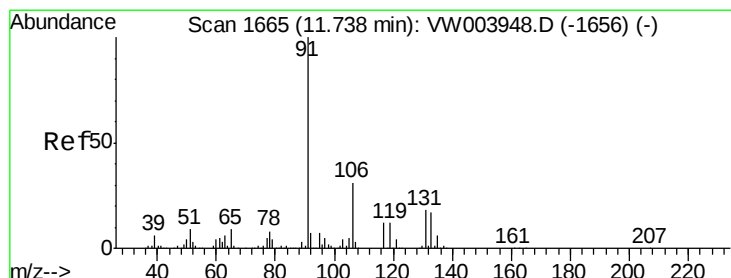
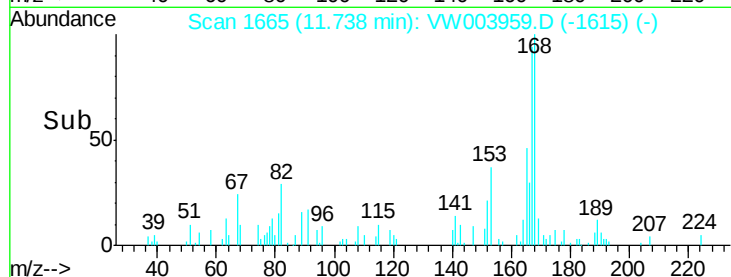
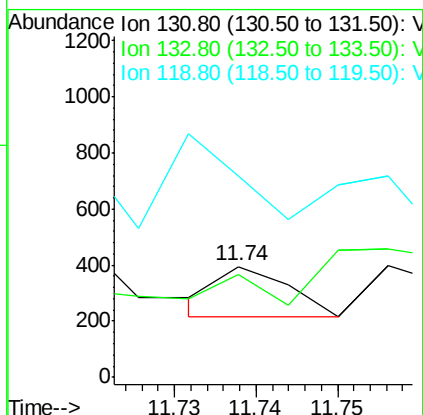
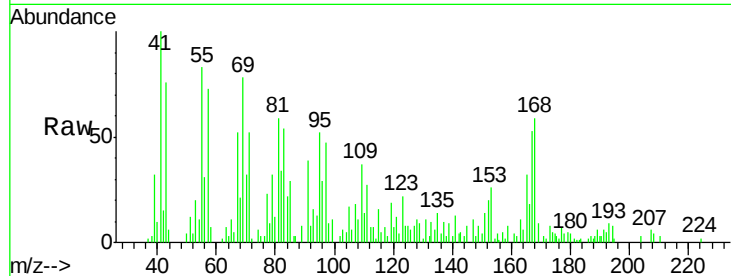




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.308 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

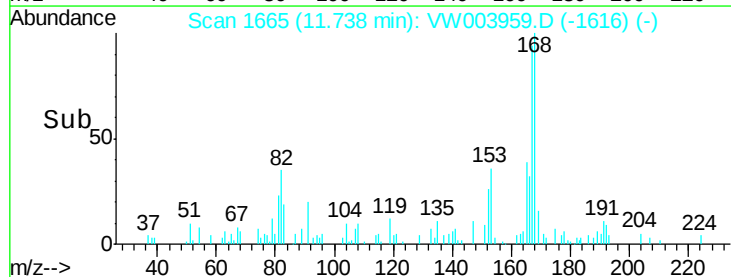
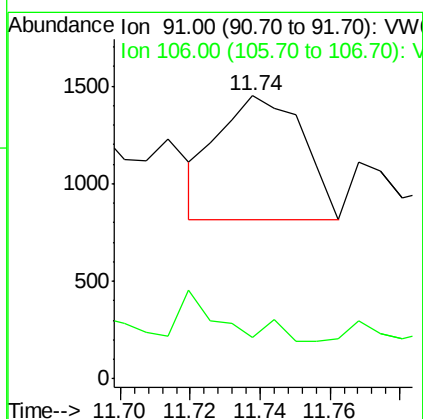
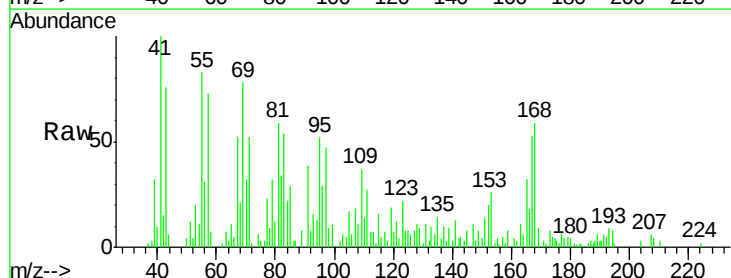
Instrument :
 MSVOA_W
 ClientSampleId :

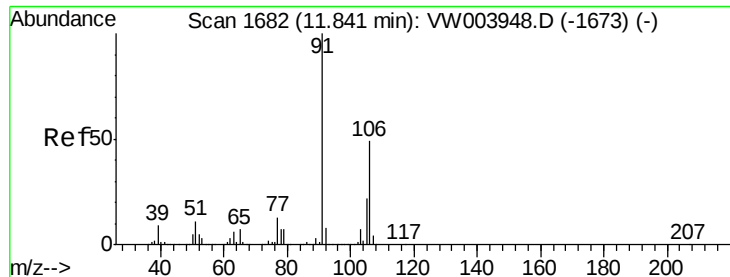
Tot Ion: 131 Resp: 107
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.9 143.8#
 119 190.7 32.5 97.5#



#67
 Ethyl Benzene
 Concen: 2.563 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion: 91 Resp: 1060
 Ion Ratio Lower Upper
 91 100
 106 1.4 25.0 37.4#

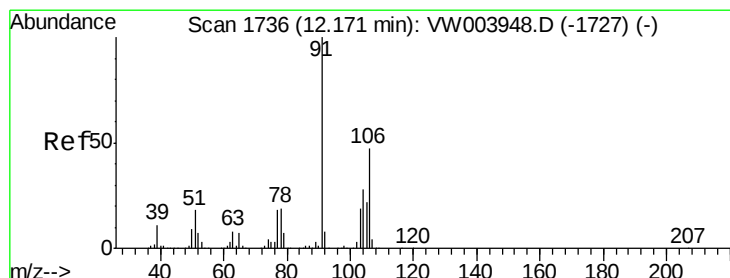
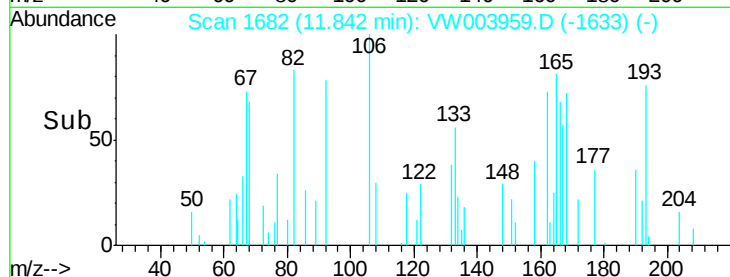
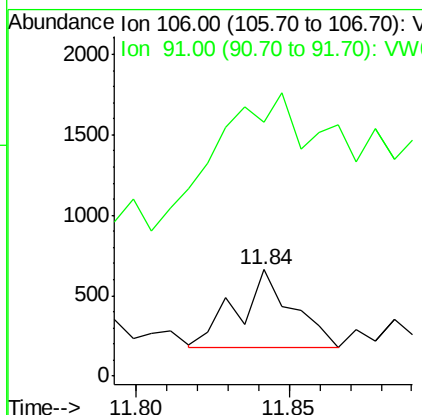
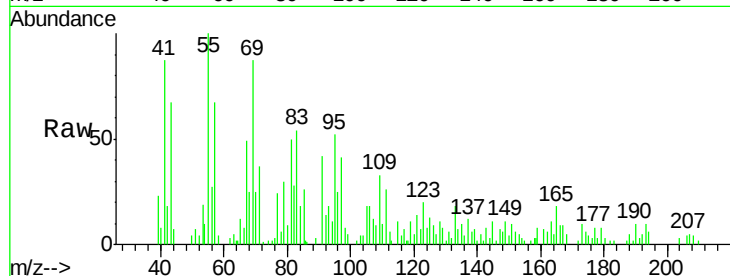




#68
m/p-Xylenes
Concen: 3.795 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

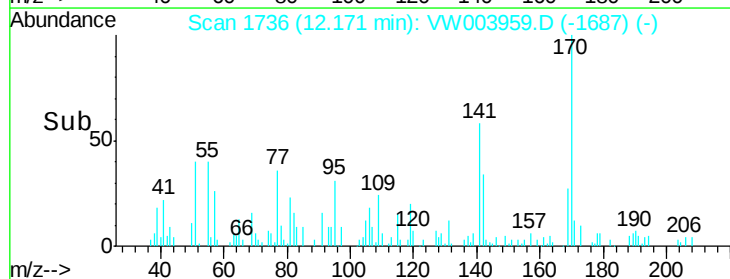
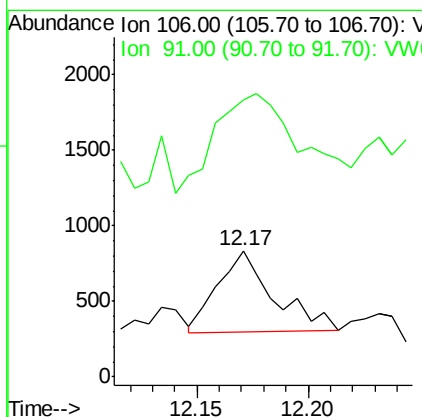
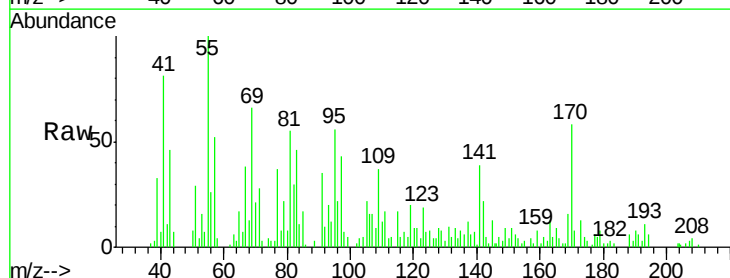
Instrument :
MSVOA_W
ClientSampled :

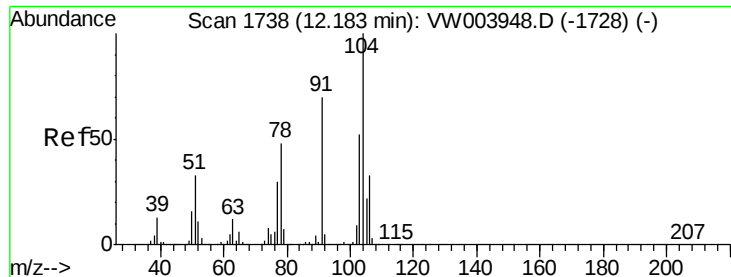
Tot Ion:106 Resp: 600
Ion Ratio Lower Upper
106 100
91 366.3 164.2 246.2#



#69
o-Xylene
Concen: 6.416 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion:106 Resp: 941
Ion Ratio Lower Upper
106 100
91 189.9 107.5 322.6

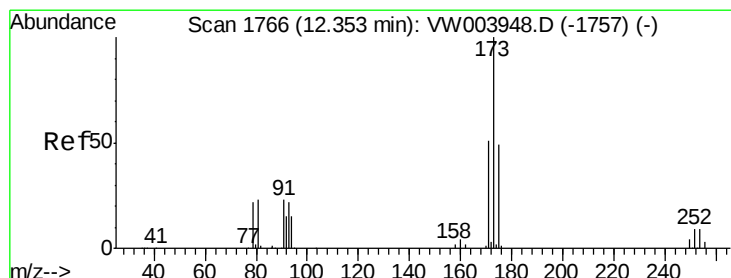
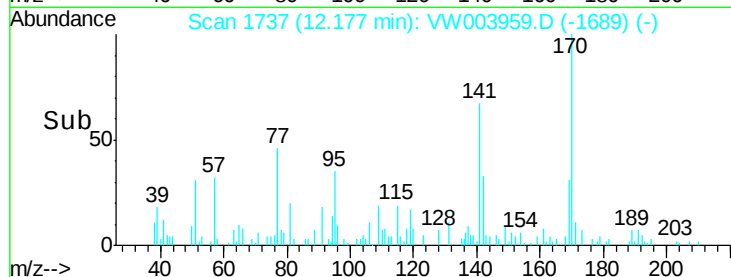
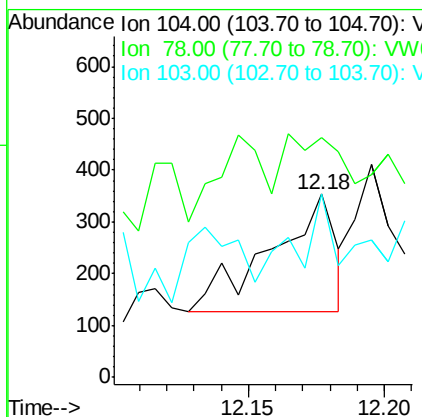
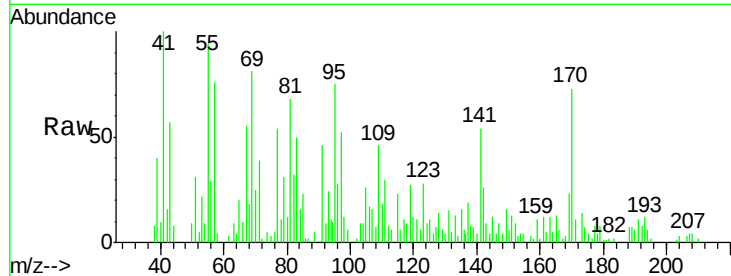




#70
Stvrene
Concen: 1.547 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

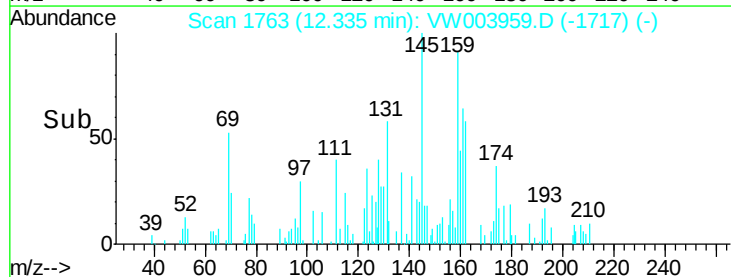
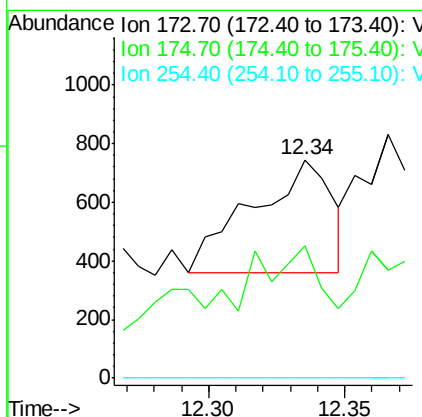
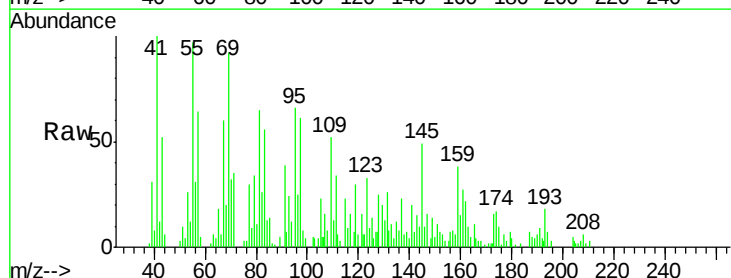
Instrument :
MSVOA_W
ClientSampled :

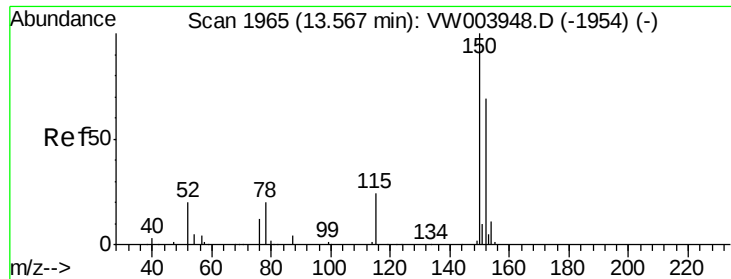
Tot Ion:104 Resp: 379
Ion Ratio Lower Upper
104 100
78 39.8 41.0 61.4#
103 43.5 44.6 67.0#



#71
Bromoform
Concen: 17.056 ug/l
RT: 12.34 min Scan# 1763
Delta R.T. -0.02 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion:173 Resp: 788
Ion Ratio Lower Upper
173 100
175 36.4 24.4 73.2
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

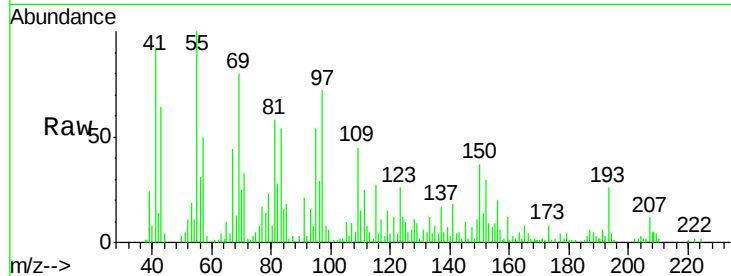
Tot Ion:152 Resp: 4059

Ion Ratio Lower Upper

152 100

115 0.0 29.2 87.6#

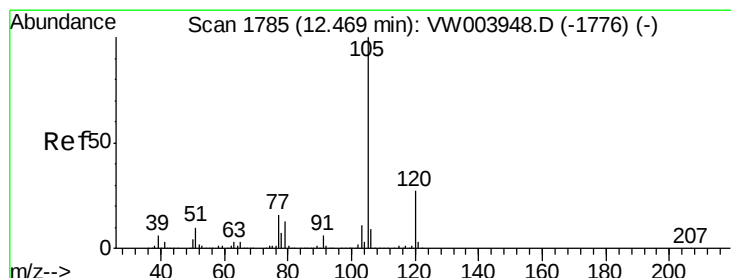
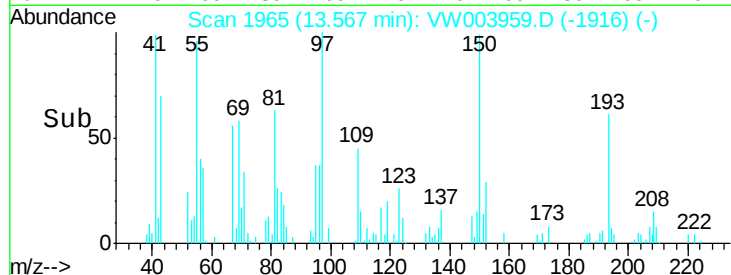
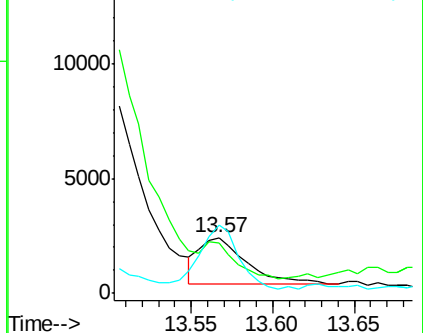
150 113.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10.948 ug/l

RT: 12.46 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VW003959.D

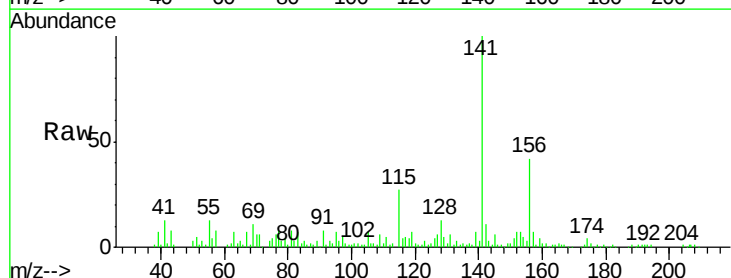
Acq: 16 Jul 2018 18:50

Tgt Ion:105 Resp: 3140

Ion Ratio Lower Upper

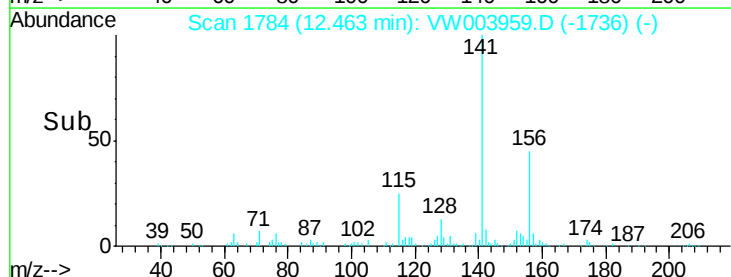
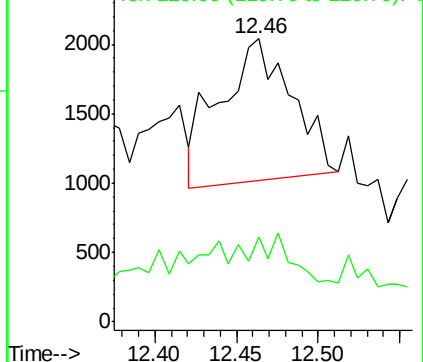
105 100

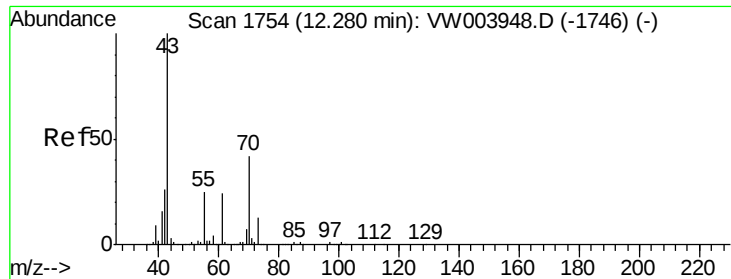
120 15.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 17.007 ug/l

RT: 12.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VW003959.D

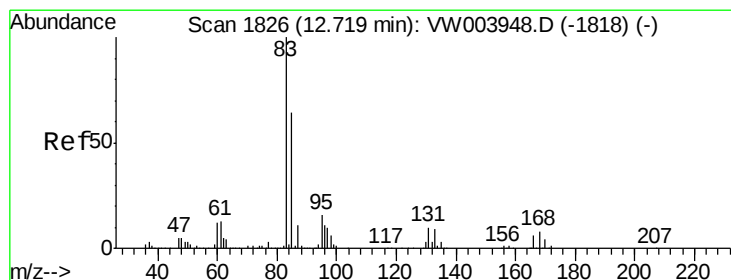
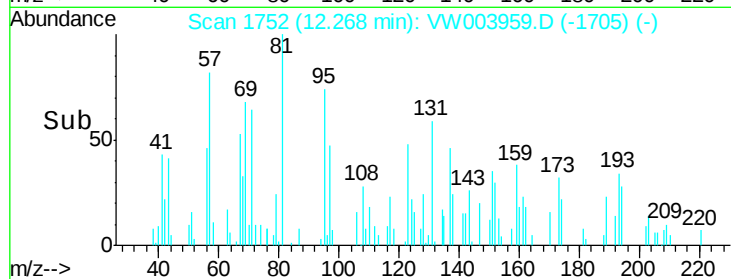
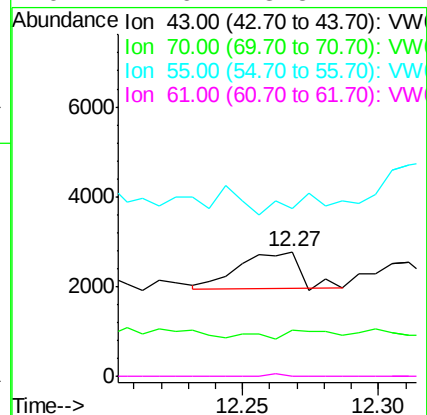
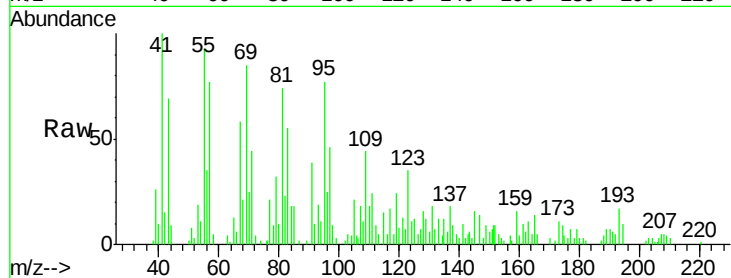
Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	43	Resp:	1271
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.6	47.4#
55	51.1	20.0	30.0#
61	1.6	18.5	27.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 681.381 ug/l

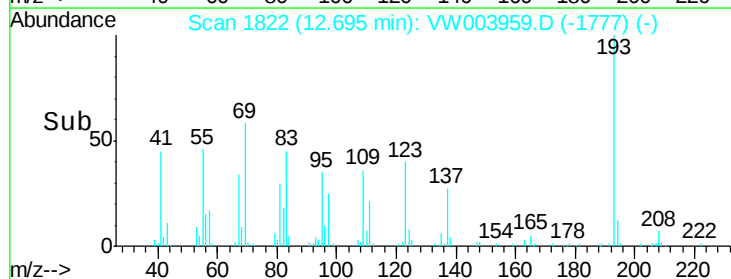
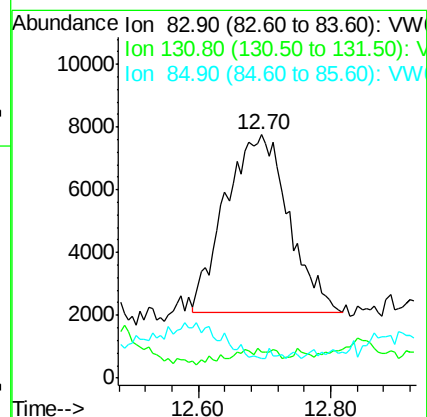
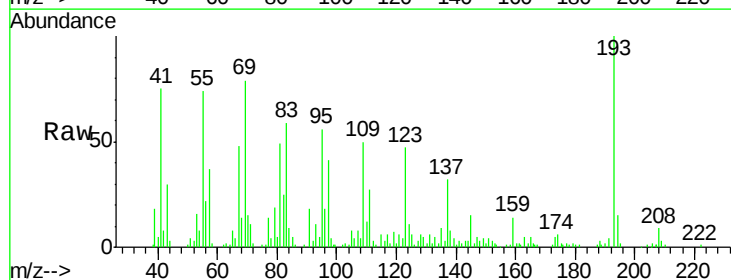
RT: 12.70 min Scan# 1822

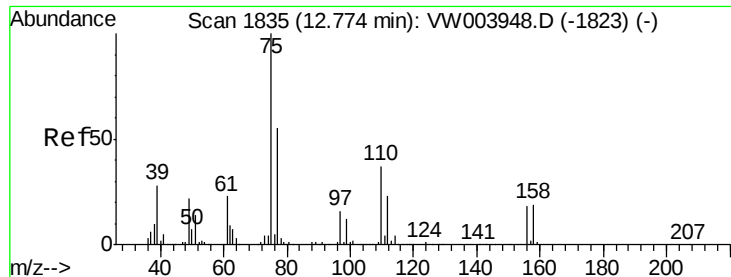
Delta R.T. -0.02 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Tgt Ion:	83	Resp:	37795
Ion	Ratio	Lower	Upper
83	100		
131	1.6	5.3	15.8#
85	0.8	32.2	96.6#





#76

1,2,3-Trichloropropane

Concen: 561.785 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.13 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

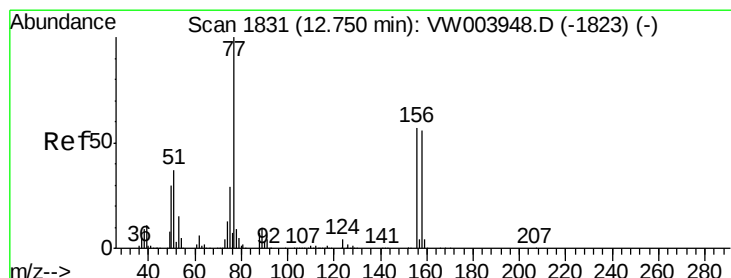
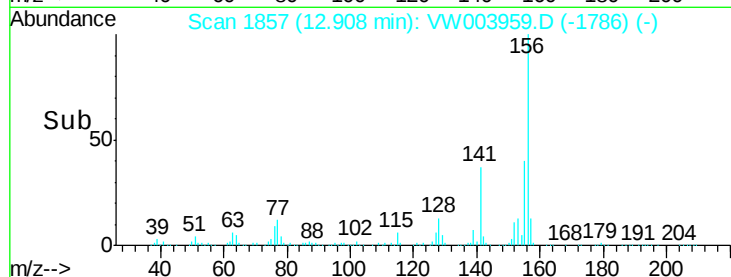
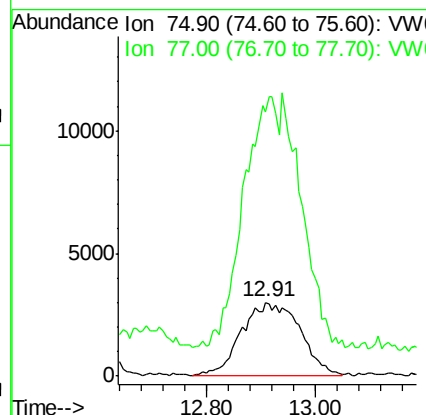
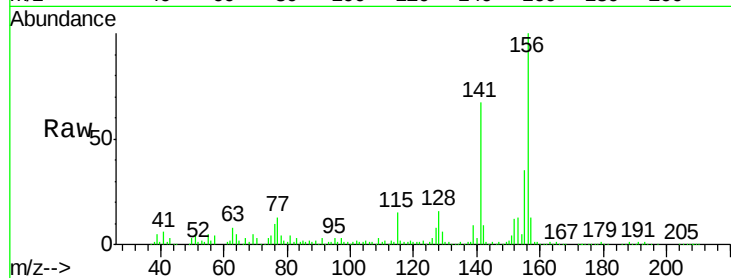
ClientSampled :

Tot Ion: 75 Resp: 22638

Ion Ratio Lower Upper

75 100

77 200.2 0.0 0.0#



#77

Bromobenzene

Concen: 9353.860 ug/l

RT: 12.93 min Scan# 1861

Delta R.T. 0.18 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

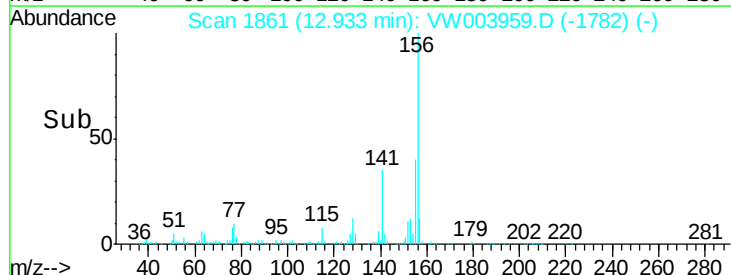
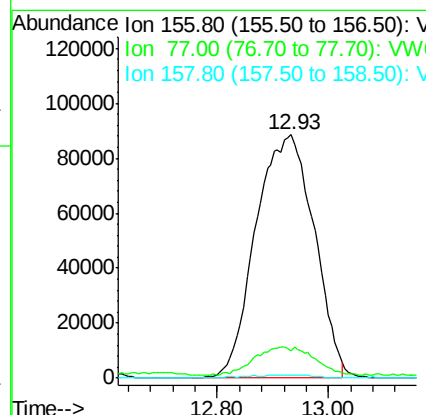
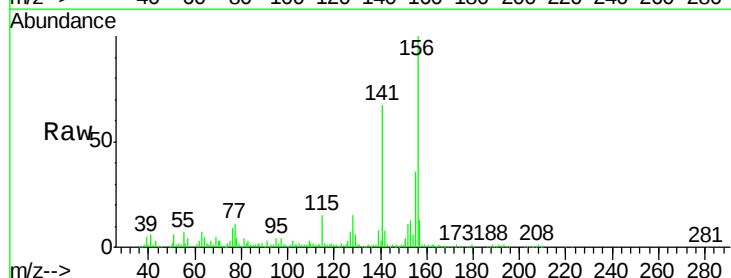
Tgt Ion: 156 Resp: 641965

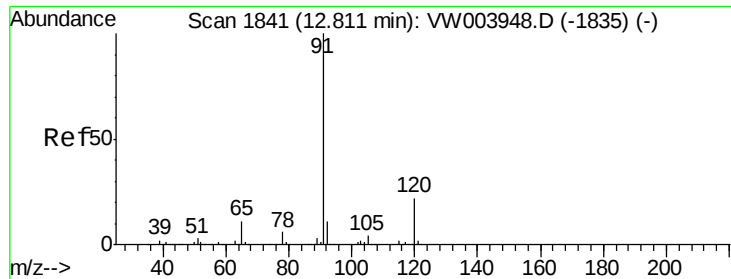
Ion Ratio Lower Upper

156 100

77 7.1 96.2 288.6#

158 0.1 48.5 145.5#

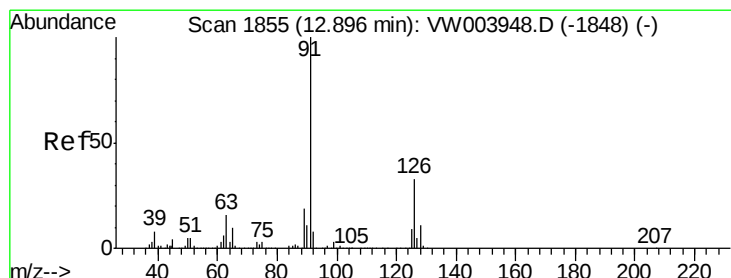
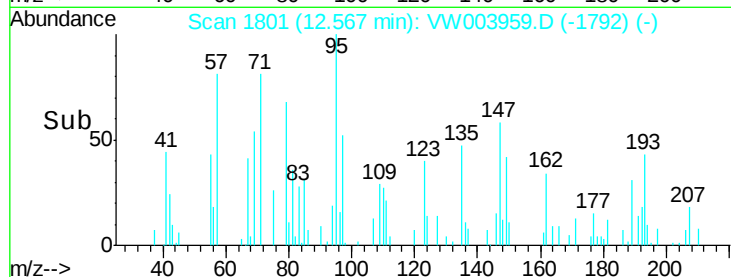
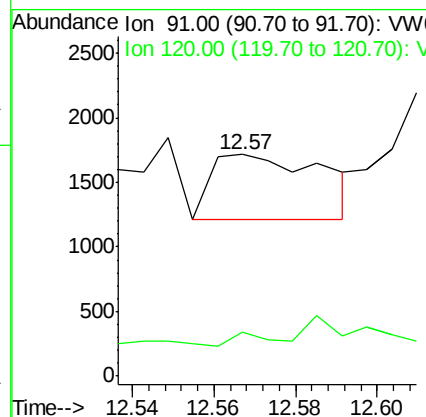
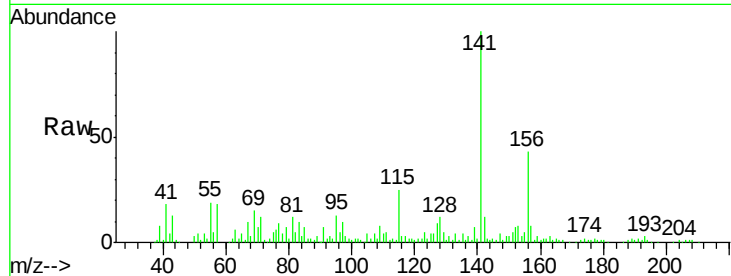




#78
n-propylbenzene
Concen: 2.697 ug/l
RT: 12.57 min Scan# 1801
Delta R.T. -0.24 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

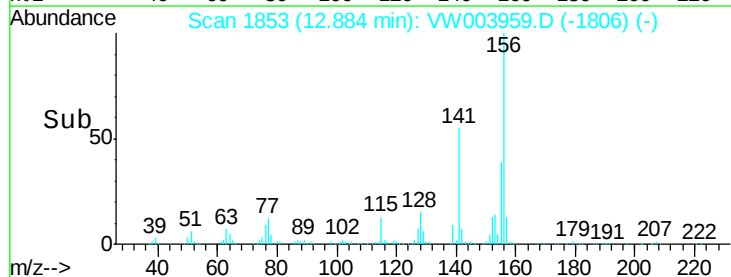
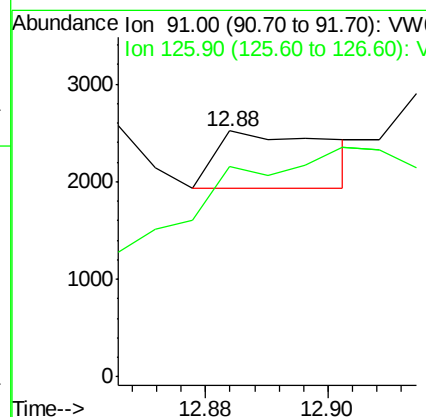
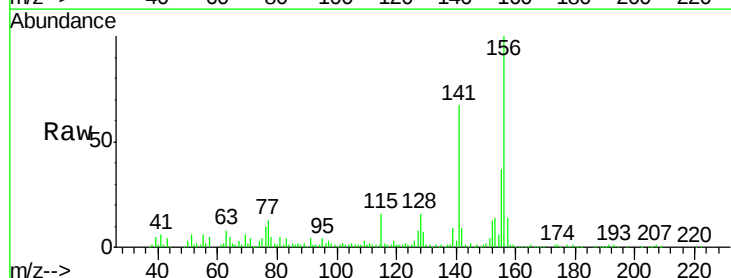
Instrument :
MSVOA_W
ClientSampleId :

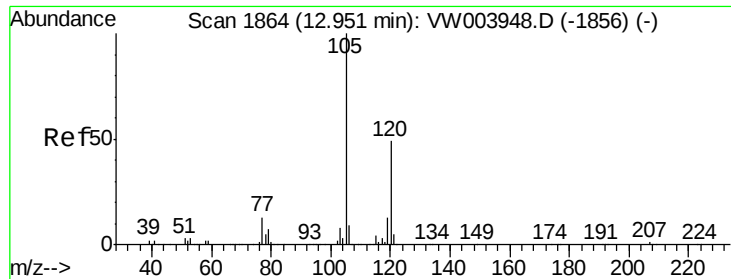
Tot Ion: 91 Resp: 949
Ion Ratio Lower Upper
91 100
120 31.4 11.2 33.6



#79
2-Chlorotoluene
Concen: 3.845 ug/l
RT: 12.88 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 91 Resp: 763
Ion Ratio Lower Upper
91 100
126 938.1 17.0 51.0#

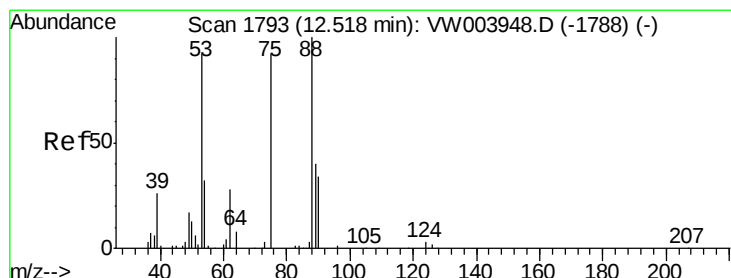
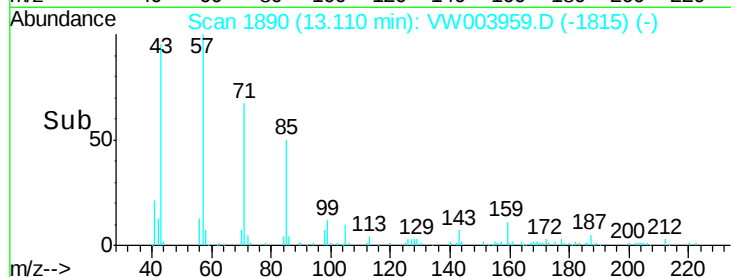
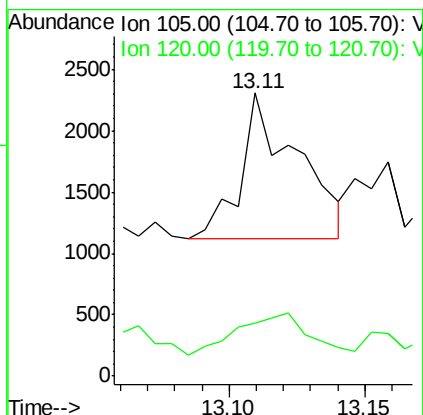
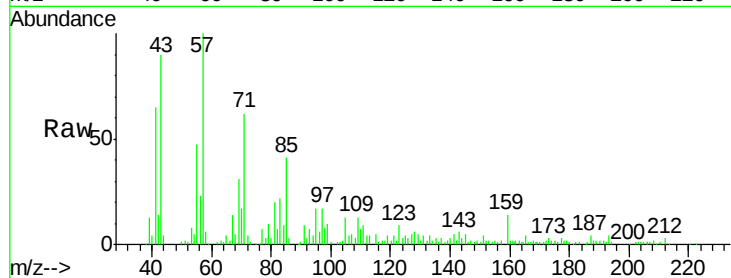




#80
 1,3,5-Trimethylbenzene
 Concen: 7.064 ug/l
 RT: 13.11 min Scan# 1890
 Delta R.T. 0.16 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

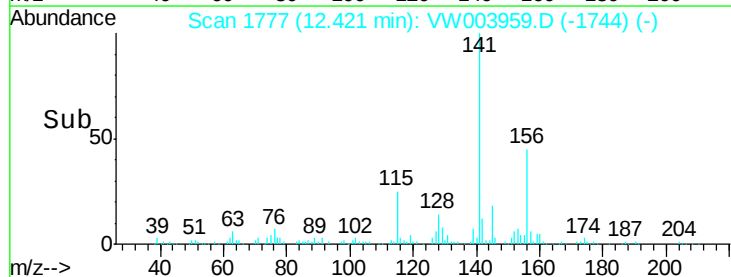
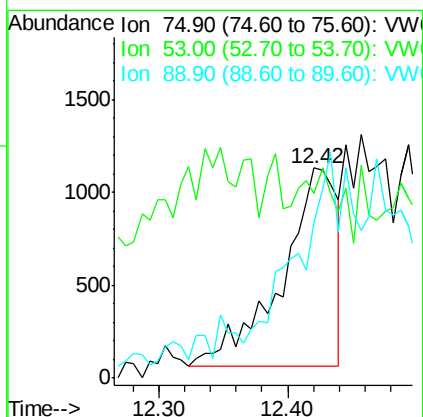
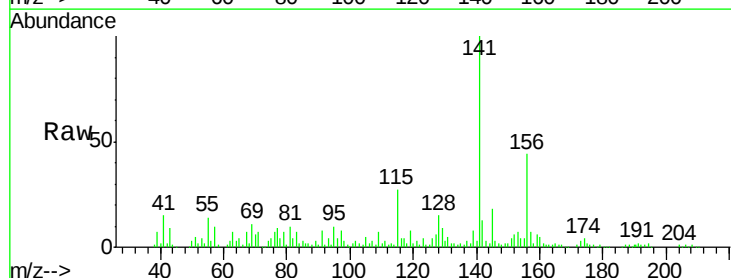
Instrument :
 MSVOA_W
 ClientSampled :

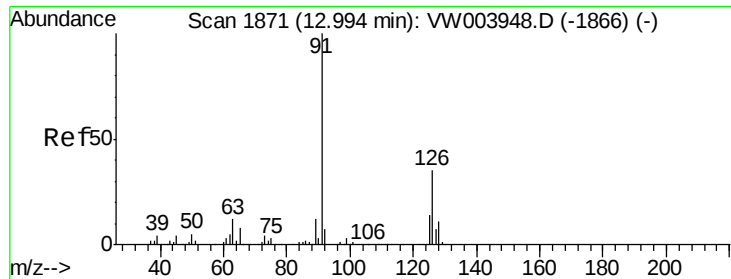
Tot Ion:105 Resp: 1705
 Ion Ratio Lower Upper
 105 100
 120 36.4 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.668 ug/l
 RT: 12.42 min Scan# 1777
 Delta R.T. -0.10 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion: 75 Resp: 3182
 Ion Ratio Lower Upper
 75 100
 53 23.6 77.6 116.4#
 89 89.1 36.6 54.8#

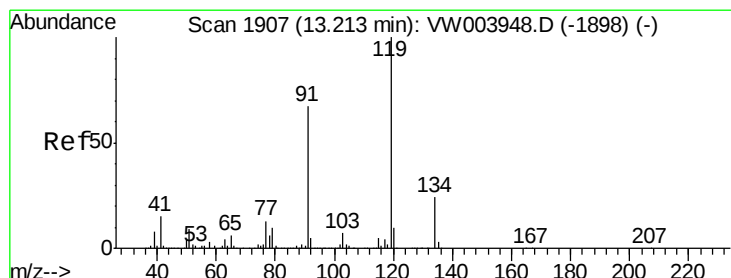
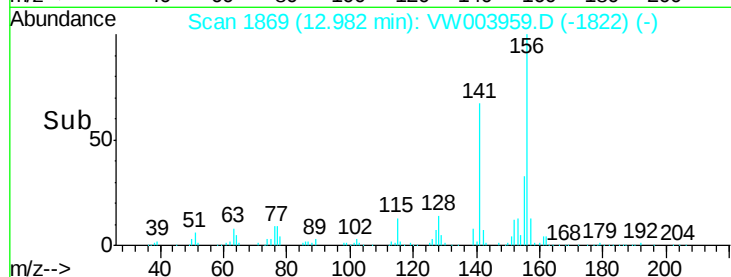
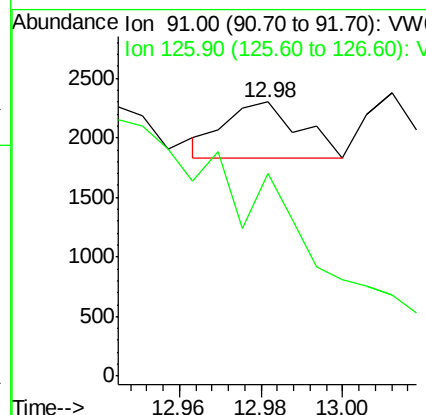
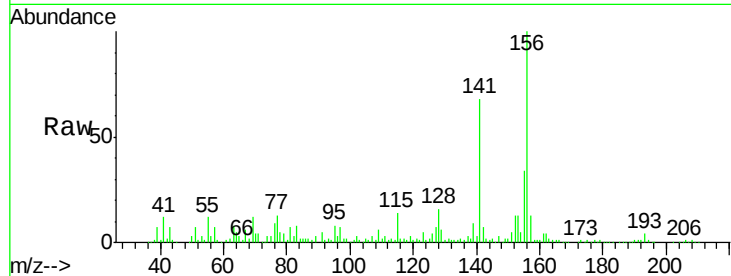




#82
4-Chlorotoluene
Concen: 2.784 ug/l
RT: 12.98 min Scan# 1869
Delta R.T. -0.01 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

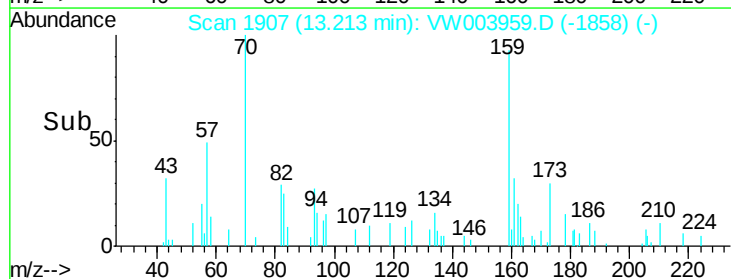
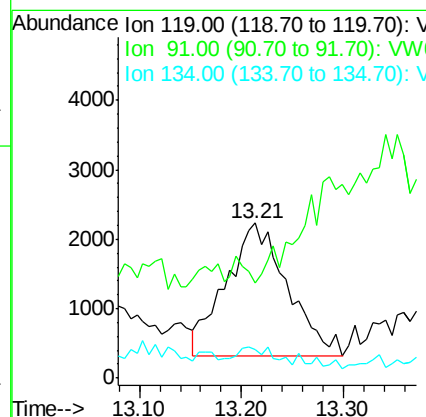
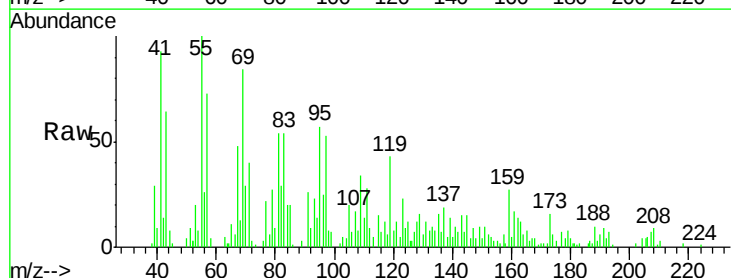
Instrument :
MSVOA_W
ClientSampled :

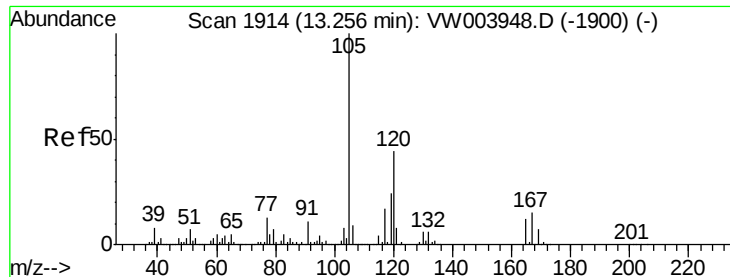
Tot Ion: 91 Resp: 593
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#



#83
tert-Butylbenzene
Concen: 39.354 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003959.D
Acq: 16 Jul 2018 18:50

Tgt Ion: 119 Resp: 7975
Ion Ratio Lower Upper
119 100
91 5.8 33.2 99.6#
134 7.3 13.0 38.9#

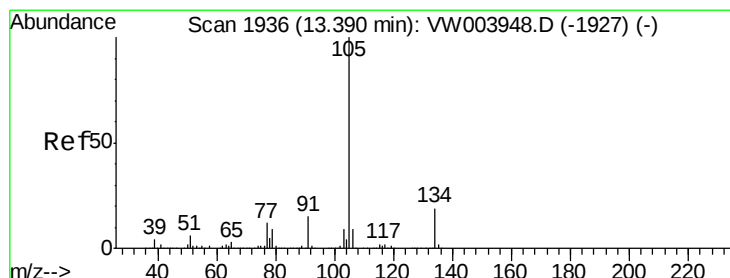
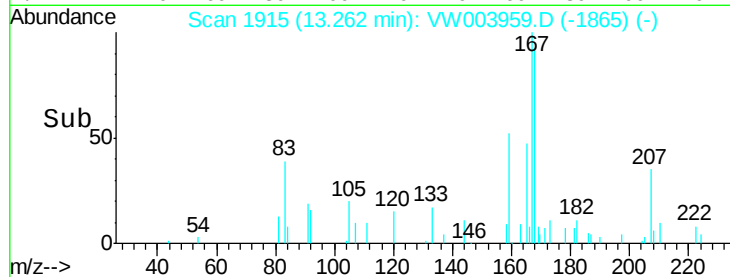
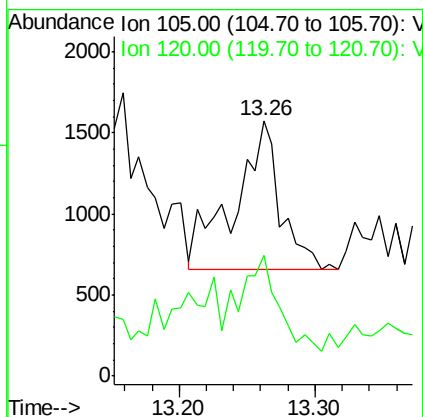
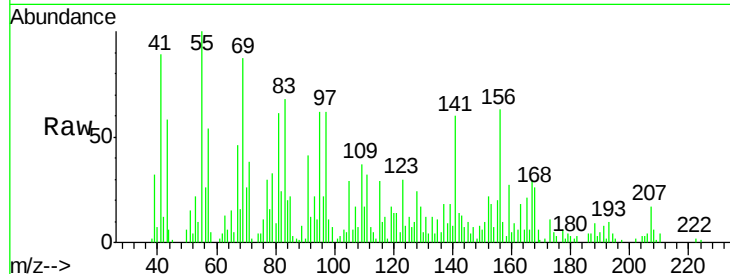




#84
 1,2,4-Trimethylbenzene
 Concen: 8.698 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

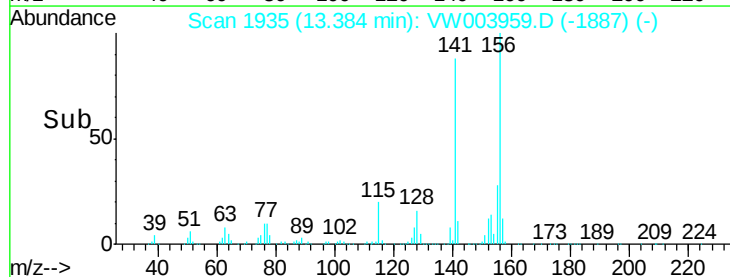
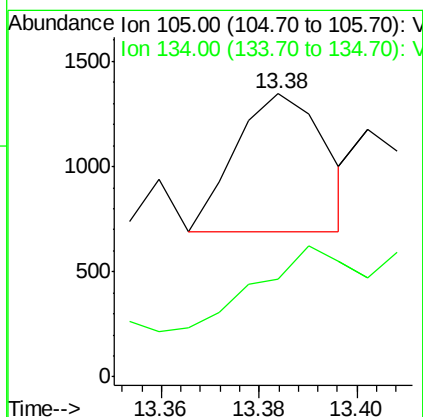
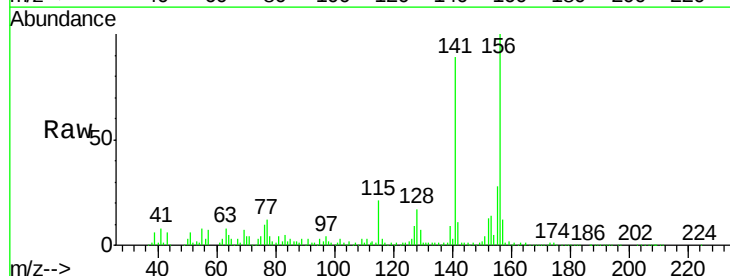
Instrument :
 MSVOA_W
 ClientSampled :

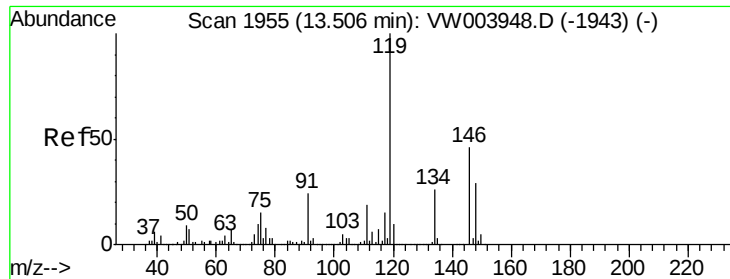
Tot Ion:105 Resp: 2160
 Ion Ratio Lower Upper
 105 100
 120 53.4 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 2.780 ug/l
 RT: 13.38 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion:105 Resp: 836
 Ion Ratio Lower Upper
 105 100
 134 82.7 9.8 29.4#

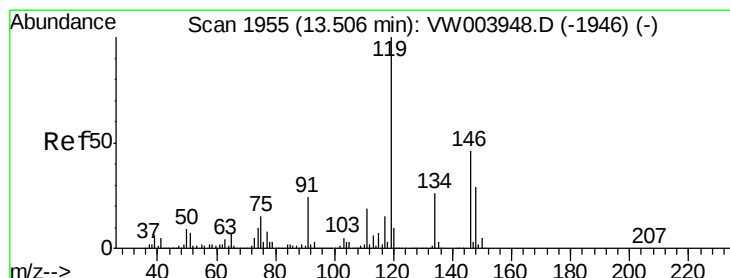
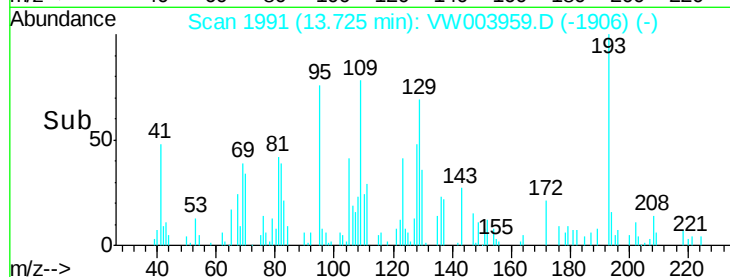
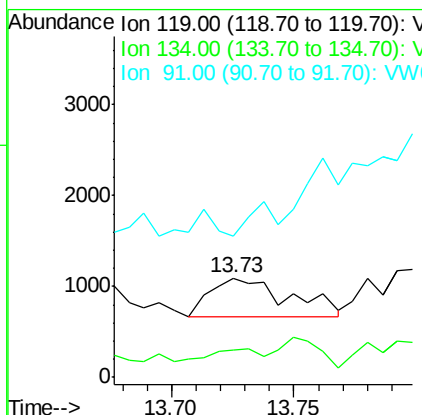
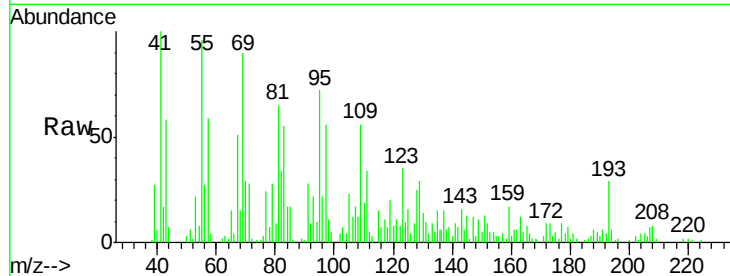




#86
 p-Isopropyltoluene
 Concen: 3.659 ug/l
 RT: 13.73 min Scan# 1991
 Delta R.T. 0.22 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

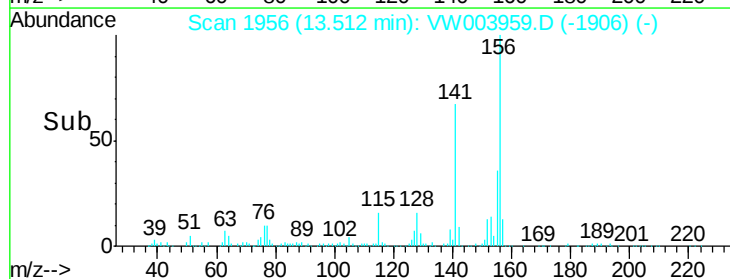
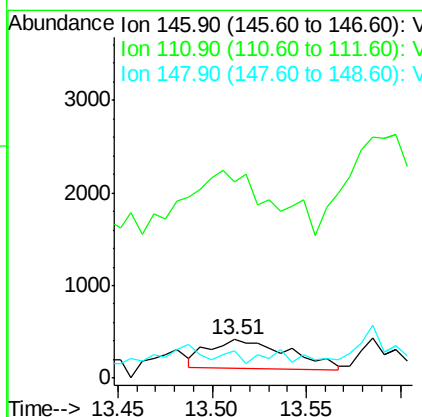
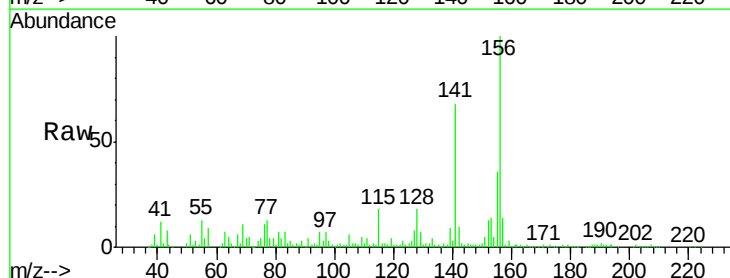
Instrument :
 MSVOA_W
 ClientSampled :

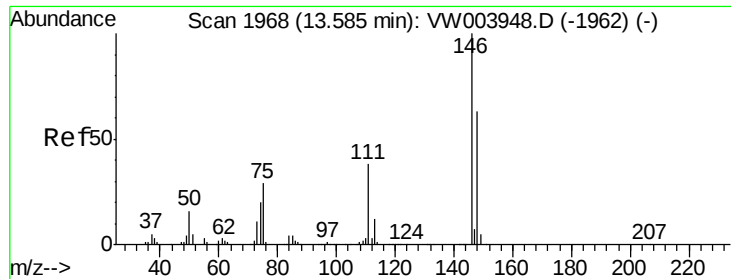
Tot Ion:119 Resp: 965
 Ion Ratio Lower Upper
 119 100
 134 31.1 13.0 38.9
 91 27.2 11.8 35.3



#87
 1,3-Dichlorobenzene
 Concen: 6.609 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion:146 Resp: 906
 Ion Ratio Lower Upper
 146 100
 111 240.1 19.9 59.6#
 148 0.0 31.9 95.5#

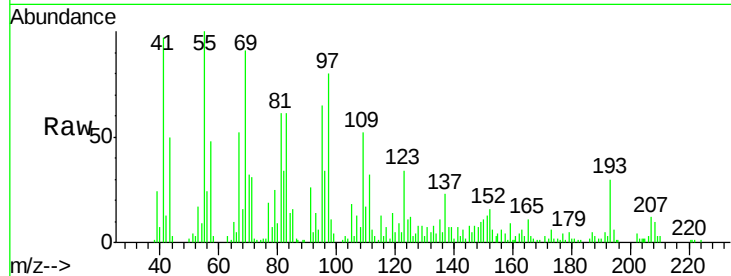




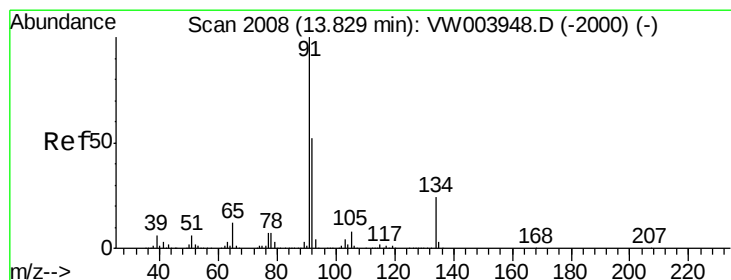
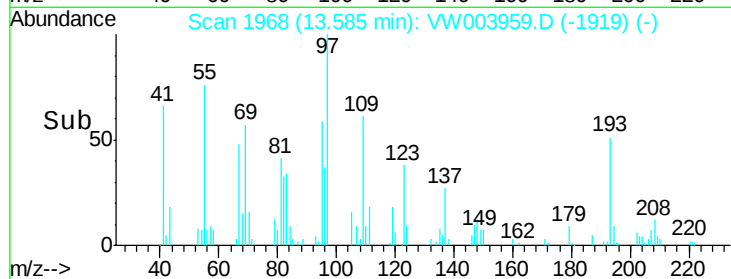
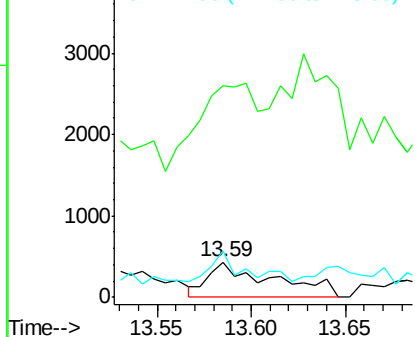
#88
 1,4-Dichlorobenzene
 Concen: 7.434 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:146 Resp: 1022
 Ion Ratio Lower Upper
 146 100
 111 223.7 19.6 58.7#
 148 43.4 32.3 96.8

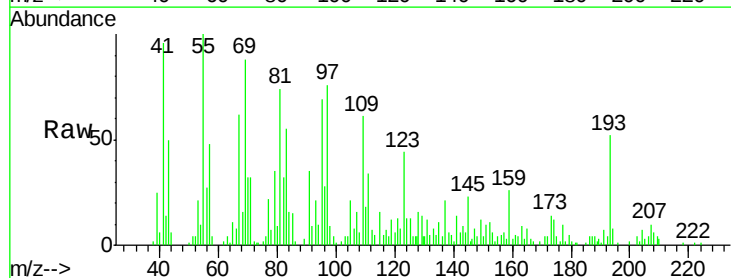


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

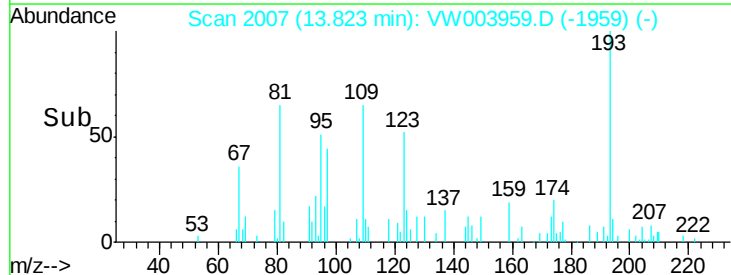
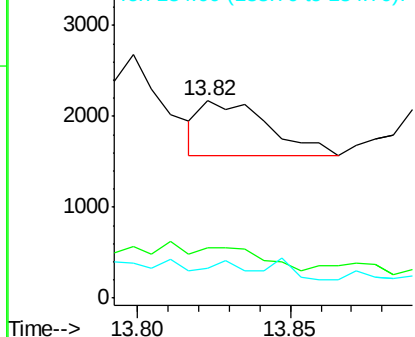


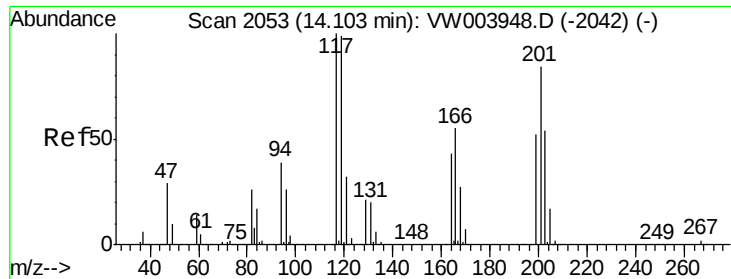
#89
 n-Butylbenzene
 Concen: 3.518 ug/l
 RT: 13.82 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: VW003959.D
 Acq: 16 Jul 2018 18:50

Tgt Ion: 91 Resp: 912
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.3#
 134 78.8 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 92.00 (91.70 to 92.70): VW
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 14.542 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

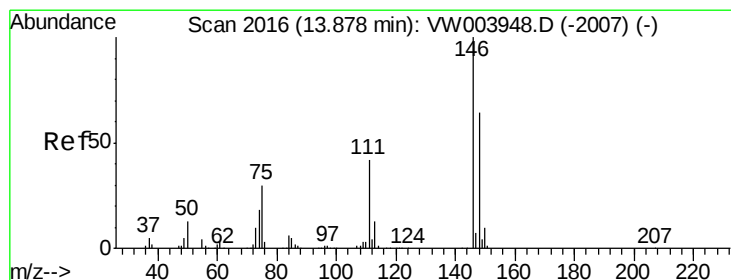
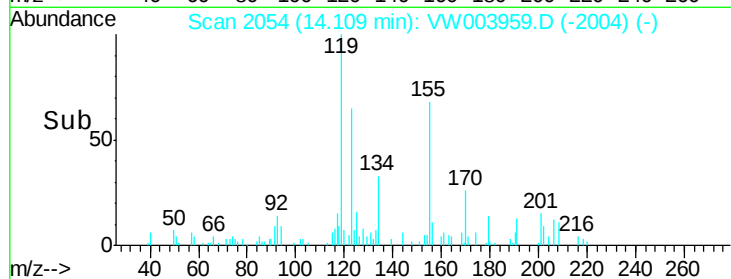
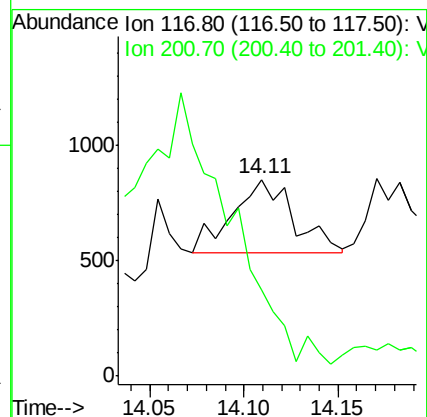
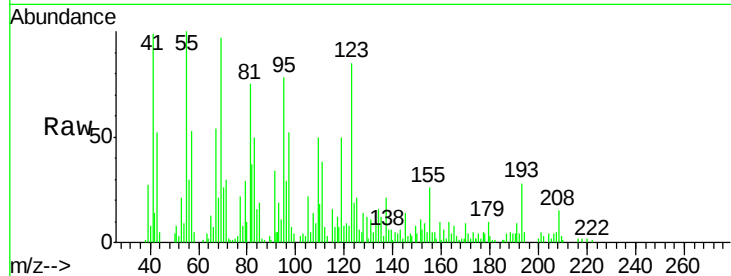
ClientSampleId :

Tot Ion:117 Resp: 707

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.9#



#91

1,2-Dichlorobenzene

Concen: 4.716 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

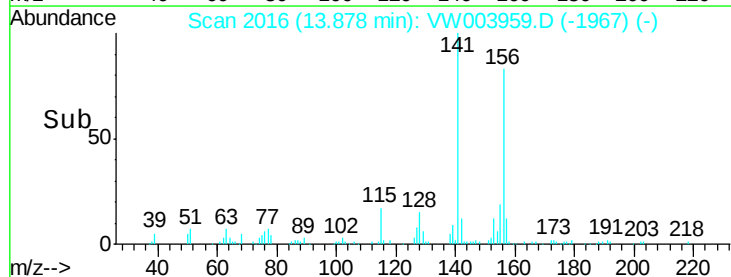
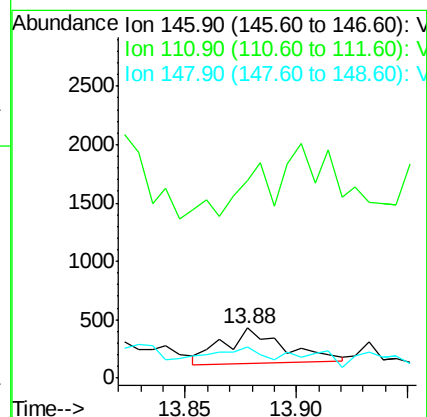
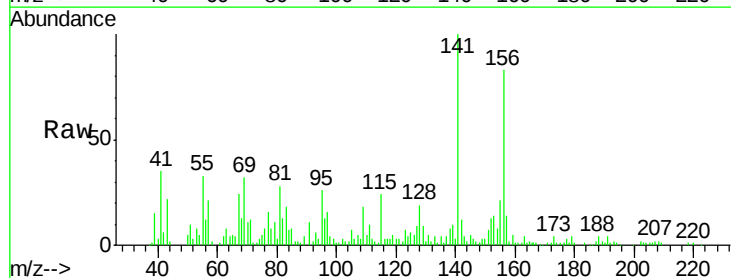
Tgt Ion:146 Resp: 576

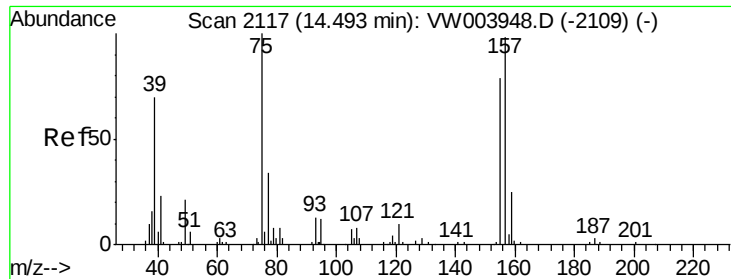
Ion Ratio Lower Upper

146 100

111 52.1 20.7 62.1

148 28.5 32.0 96.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 31.835 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

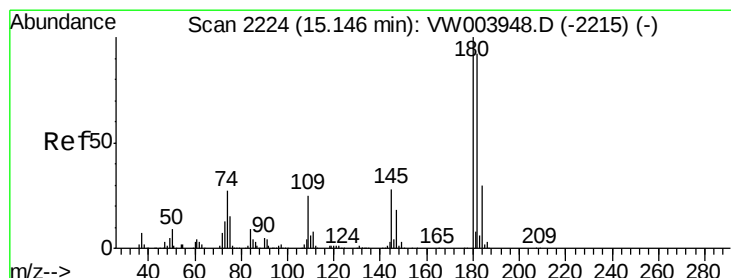
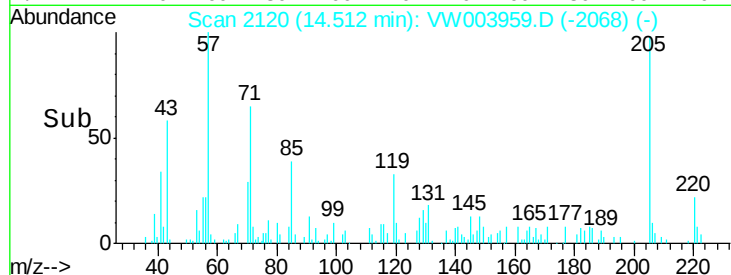
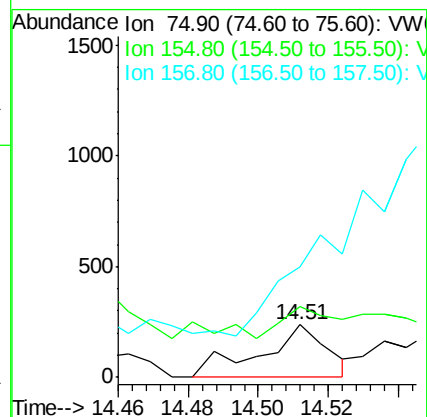
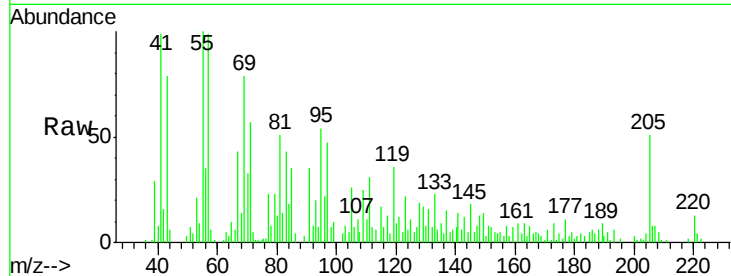
Tot Ion: 75 Resp: 314

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 51.8 155.4#



#93

1,2,4-Trichlorobenzene

Concen: 5.934 ug/l

RT: 15.14 min Scan# 2223

Delta R.T. -0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

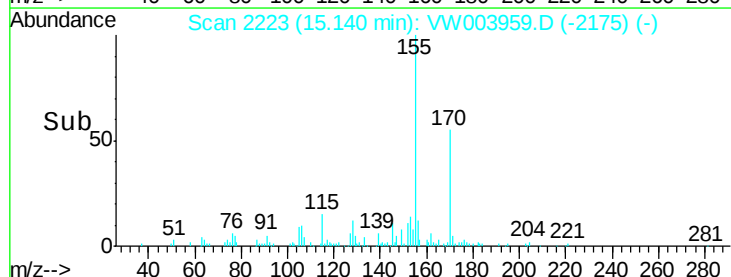
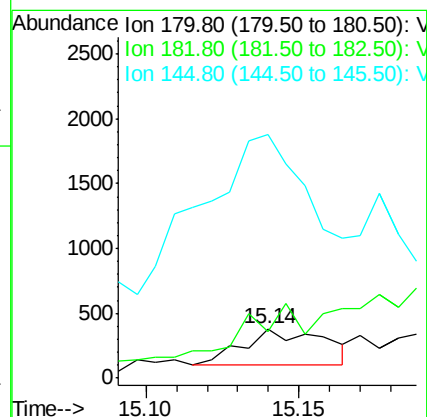
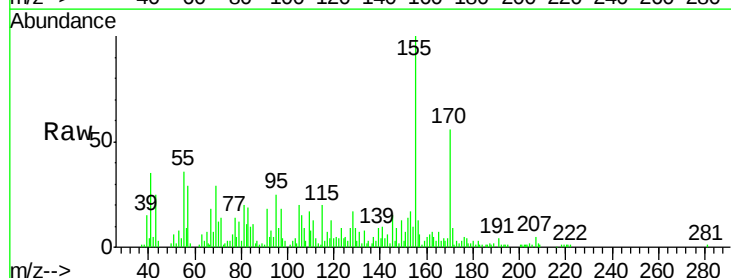
Tgt Ion: 180 Resp: 509

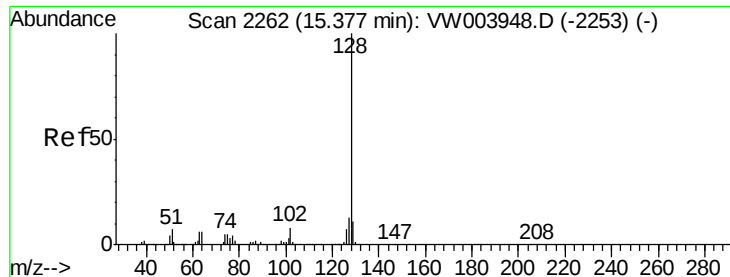
Ion Ratio Lower Upper

180 100

182 107.7 46.9 140.8

145 588.0 15.0 45.0#





#95

Naphthalene

Concen: 28.917 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

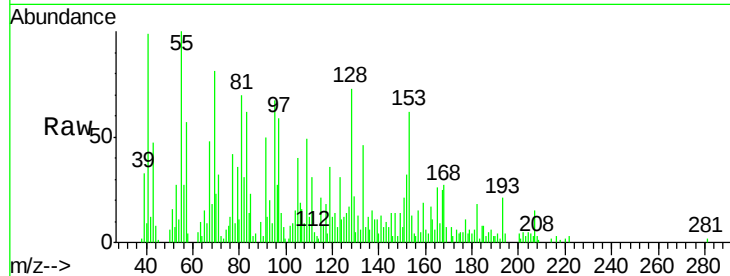
Tot Ion:128 Resp: 4578

Ion Ratio Lower Upper

128 100

127 19.4 10.7 16.1#

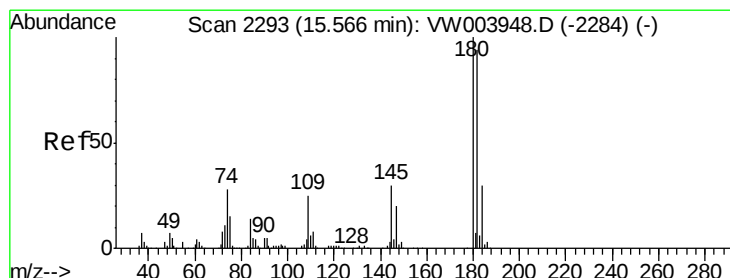
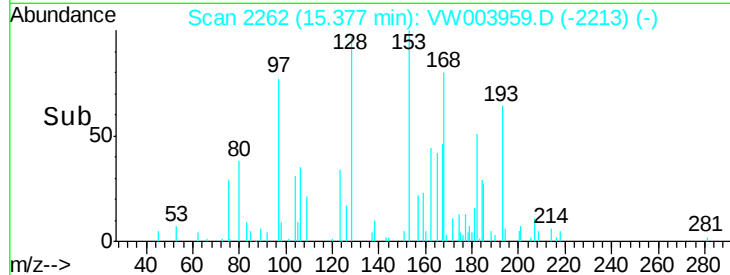
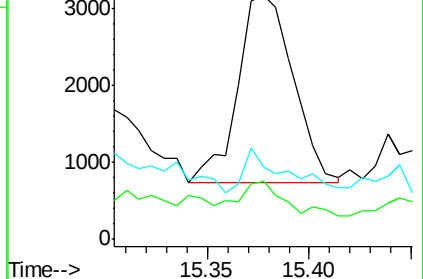
129 18.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.821 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW003959.D

Acq: 16 Jul 2018 18:50

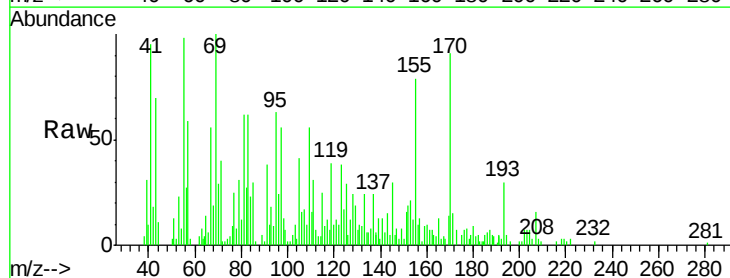
Tgt Ion:180 Resp: 518

Ion Ratio Lower Upper

180 100

182 93.6 47.5 142.6

145 0.0 15.8 47.4#



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

