

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007761.D
 Acq On : 20 Dec 2018 21:26
 Operator : SY/AP
 Sample : J6392-21
 Misc : 6.6G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)-FD

Quant Time: Dec 21 03:56:54 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	7.95	168	70897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	120961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	104318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	44007	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	35427	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	7.88	113	32477	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
50) Toluene-d8	10.33	98	266144	95.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.34%	
62) 4-Bromofluorobenzene	12.62	95	84296	78.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.88%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.18	59	1529	29.169	ug/l #	73
13) Acrolein	3.84	56	1579	37.674	ug/l #	1
15) Acrylonitrile	5.43	53	42006	313.453	ug/l #	39
16) Acetone	4.11	43	45698	314.049	ug/l #	76
17) Carbon Disulfide	4.38	76	4598	2.124	ug/l #	85
19) Methyl tert-butyl Ether	5.43	73	12418	12.366	ug/l #	1
20) Methylene Chloride	4.93	84	3379	Below Cal	#	1
23) Vinyl Acetate	6.29	43	6671	6.537	ug/l #	69
24) 1,1-Dichloroethane	6.29	63	2984	2.362	ug/l #	81
25) 2-Butanone	7.17	43	50139	294.178	ug/l #	51
26) 2,2-Dichloropropane	6.99	77	10655	11.524	ug/l #	53
29) Tetrahydrofuran	7.54	42	2260	22.230	ug/l #	27
30) Chloroform	7.63	83	128596	89.931	ug/l #	18
31) Cyclohexane	7.94	56	1549606	1339.621	ug/l #	53
37) Ethyl Acetate	7.17	43	50139	124.440	ug/l #	68
38) Carbon Tetrachloride	7.95	117	7763	5.646	ug/l #	15
39) Methylcyclohexane	9.35	83	4594295	3166.879	ug/l #	87
40) Benzene	8.32	78	998983	320.656	ug/l	100
41) Methacrylonitrile	7.52	41	19666	85.969	ug/l #	50
42) 1,2-Dichloroethane	8.32	62	9205	8.817	ug/l #	1
43) Isopropyl Acetate	8.51	43	7164647	8875.643	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	72685	105.145	ug/l #	1
46) Dibromomethane	9.42	93	6733	15.822	ug/l #	1
47) Bromodichloromethane	9.63	83	244743	218.775	ug/l #	51
48) Methyl methacrylate	9.48	41	273411	678.557	ug/l #	9
49) 1,4-Dioxane	9.37	88	21	3.113	ug/l #	26
51) 4-Methyl-2-Pentanone	10.26	43	539402	1413.923	ug/l #	76
52) Toluene	10.40	92	96144	45.997	ug/l	98
54) cis-1,3-Dichloropropene	10.12	75	1395	1.135	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	984824	1678.760	ug/l #	28
56) Ethyl methacrylate	10.69	69	175000	252.483	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	29283	92.534	ug/l #	42
59) 2-Hexanone	10.94	43	668647	2492.232	ug/l #	30
60) Dibromochloromethane	11.05	129	5978	7.696	ug/l	83

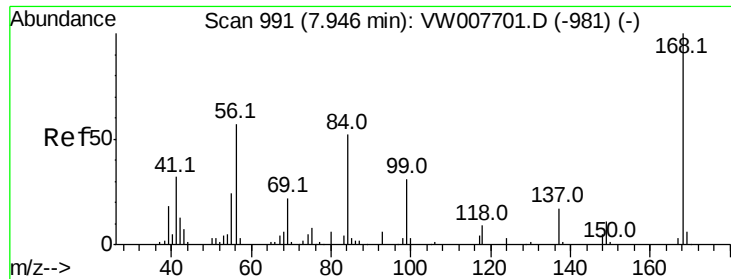
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.21	107	4549	7.657	ug/l #	1
65) Chlorobenzene	11.53	112	14706	6.513	ug/l #	64
68) m/p-Xylenes	11.87	106	16402964	10913.597	ug/l #	1
69) o-Xylene	12.18	106	11939337	8474.497	ug/l	73
70) Styrene	12.18	104	669005	288.878	ug/l #	1
73) Isopropylbenzene	12.47	105	12771996	3839.540	ug/l	99
74) N-amyl acetate	12.26	43	261068	453.095	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.68	83	40436	81.075	ug/l #	61
76) 1,2,3-Trichloropropane	12.82	75	160193	470.972	ug/l #	100
77) Bromobenzene	12.91	156	101559	133.221	ug/l #	1
78) n-propylbenzene	12.81	91	19814227	5117.062	ug/l	94
79) 2-Chlorotoluene	12.89	91	3920716	1738.110	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.96	105	17705475	6170.676	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.47	75	175032	1080.180	ug/l #	68
82) 4-Chlorotoluene	12.97	91	2349116	978.053	ug/l #	42
83) tert-Butylbenzene	13.28	119	6305744	2504.681	ug/l #	76
84) 1,2,4-Trimethylbenzene	13.11	105	18042208	6231.602	ug/l	88
85) sec-Butylbenzene	13.40	105	2046907	589.940	ug/l #	57
86) p-Isopropyltoluene	13.52	119	1222466	387.465	ug/l	99
89) n-Butylbenzene	13.84	91	2780066	961.038	ug/l #	70
90) Hexachloroethane	14.11	117	1088833	1965.755	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.47	75	62214	607.414	ug/l #	3
95) Naphthalene	15.38	128	8762429	5038.181	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

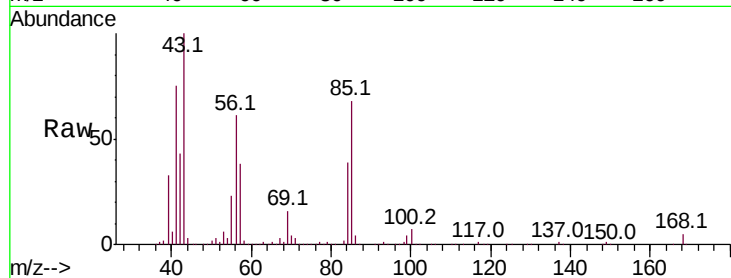
KY001SB106-121218-(20-22)-FD

Tot Ion:168 Resp: 70897

Ion Ratio Lower Upper

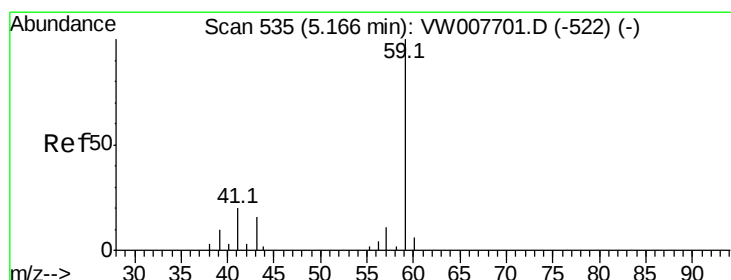
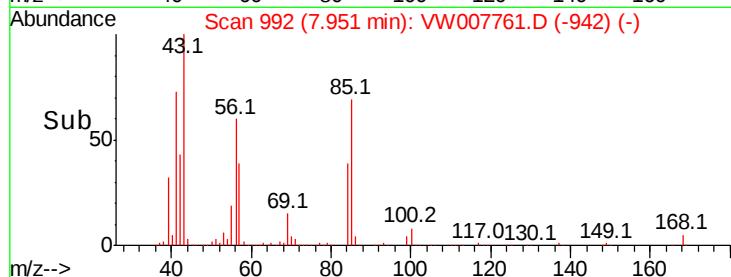
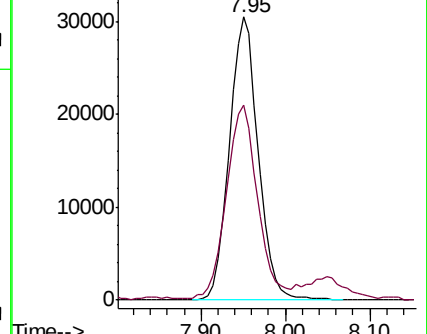
168 100

99 68.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 29.169 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007761.D

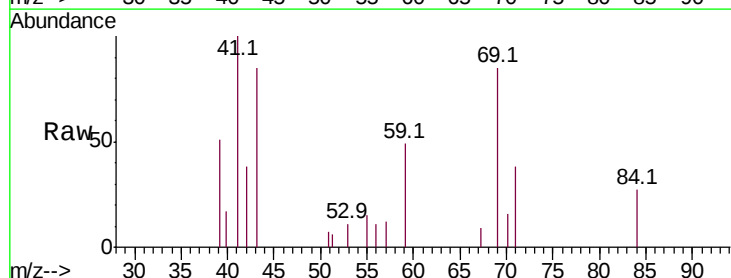
Acq: 20 Dec 2018 21:26

Tgt Ion: 59 Resp: 1529

Ion Ratio Lower Upper

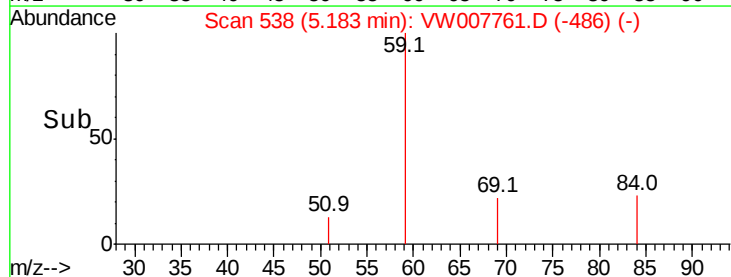
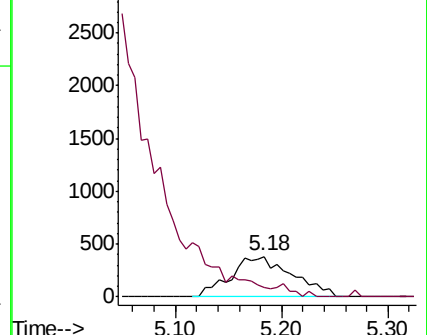
59 100

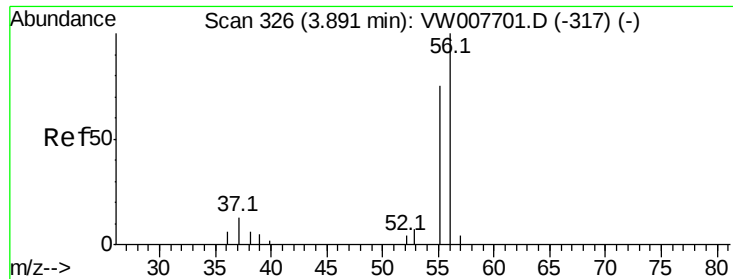
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

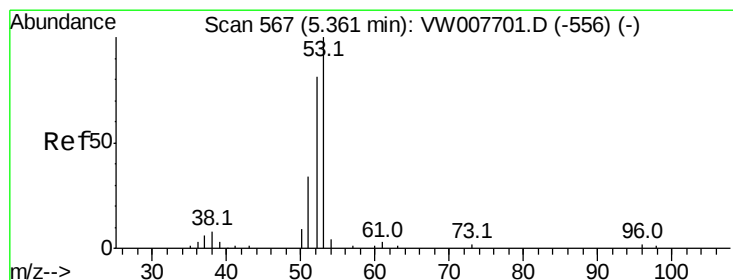
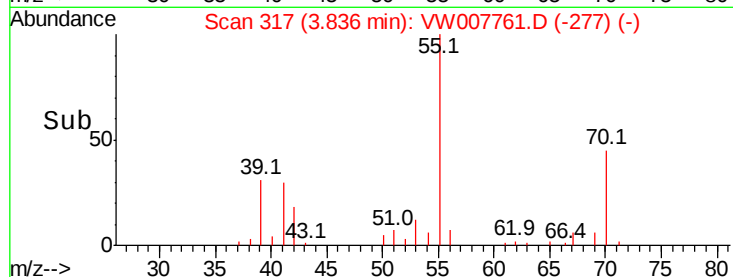
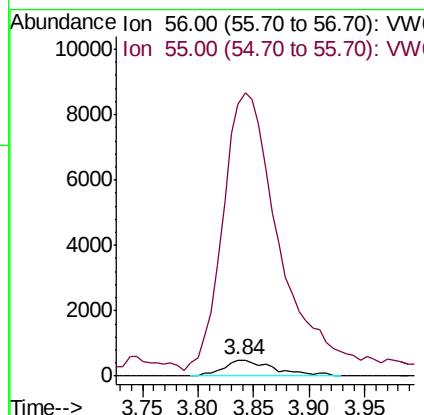
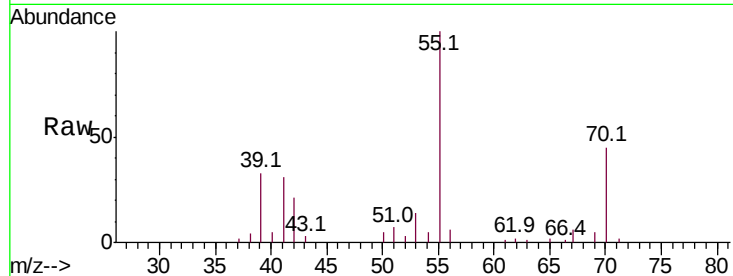




#13
Acrolein
Concen: 37.674 ug/l
RT: 3.84 min Scan# 317
Delta R.T. -0.06 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

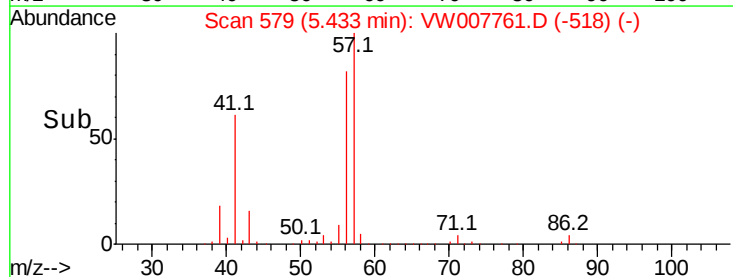
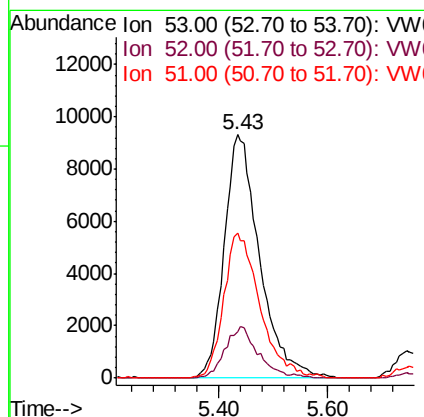
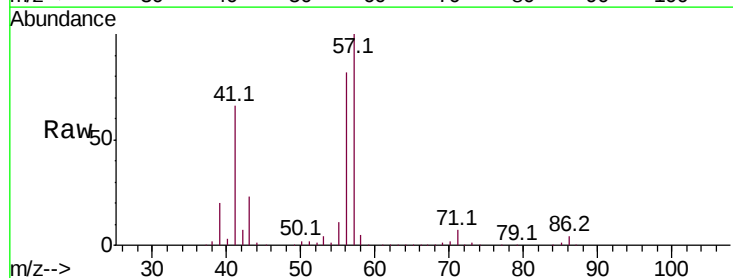
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KY001SB106-121218-(20-22)-FD

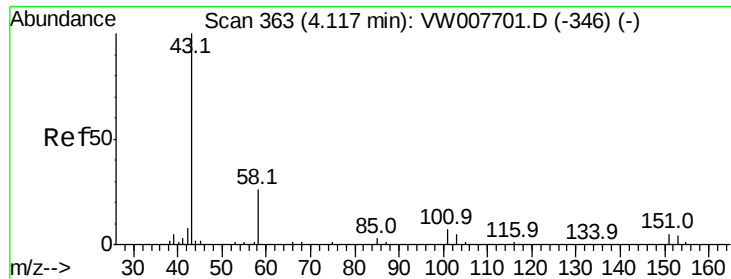
Tot Ion: 56 Resp: 1579
Ion Ratio Lower Upper
56 100
55 1905.3 57.7 86.5#



#15
Acrylonitrile
Concen: 313.453 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.07 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 53 Resp: 42006
Ion Ratio Lower Upper
53 100
52 19.6 67.0 100.4#
51 60.5 30.2 45.2#





#16

Acetone

Concen: 314.049 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

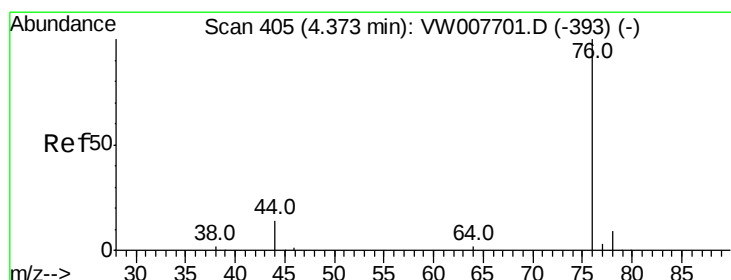
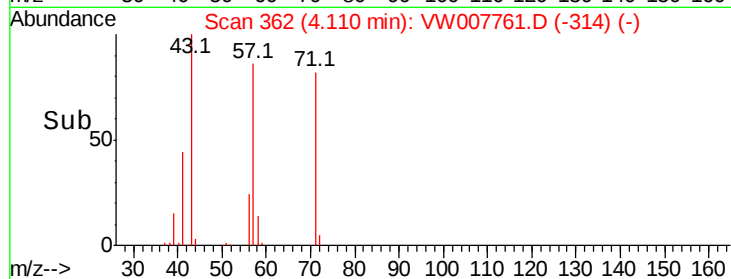
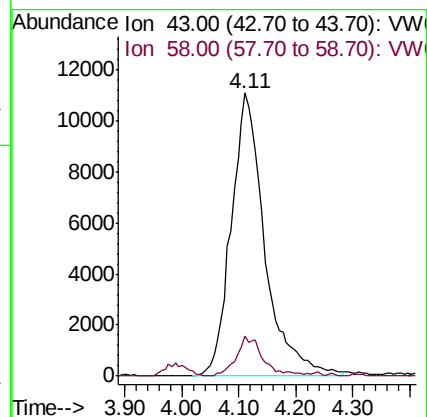
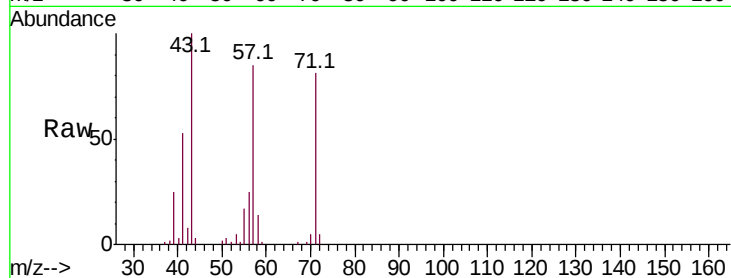
KY001SB106-121218-(20-22)-FD

Tot Ion: 43 Resp: 45698

Ion Ratio Lower Upper

43 100

58 14.1 21.2 31.8#



#17

Carbon Disulfide

Concen: 2.124 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW007761.D

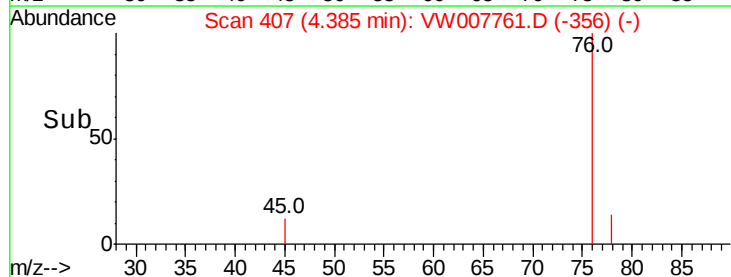
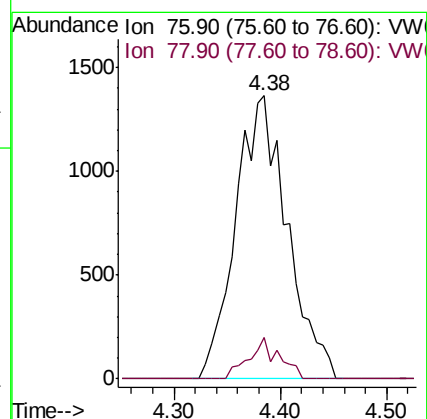
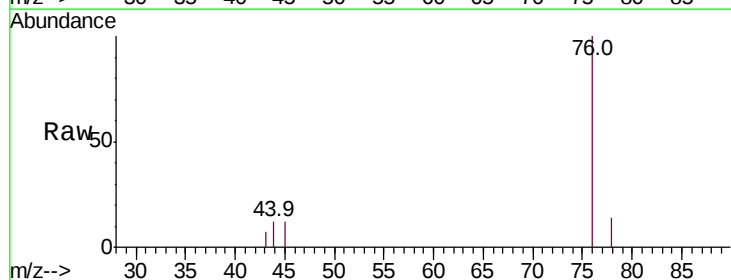
Acq: 20 Dec 2018 21:26

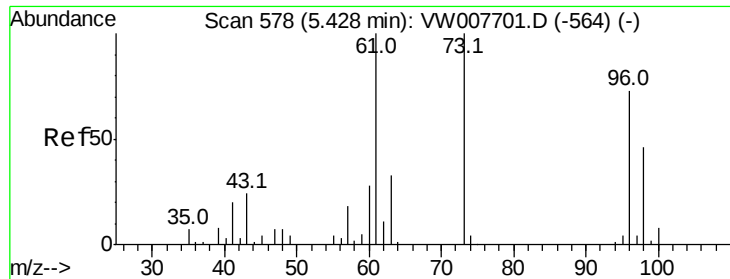
Tgt Ion: 76 Resp: 4598

Ion Ratio Lower Upper

76 100

78 14.5 7.3 10.9#

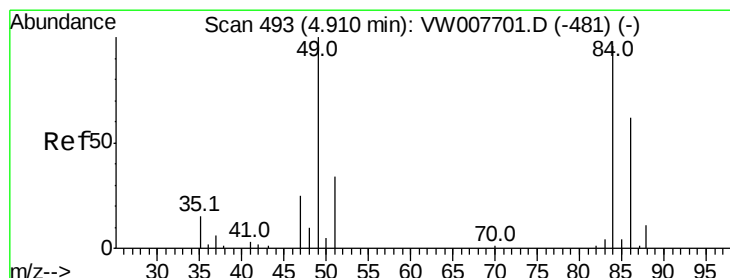
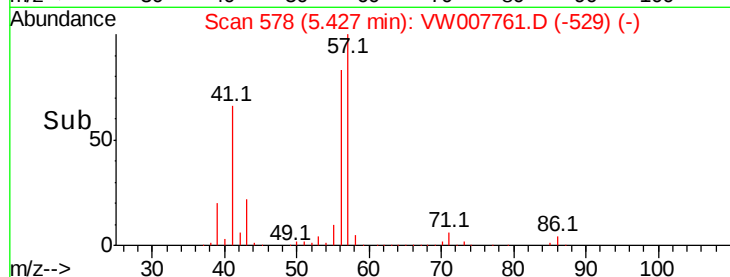
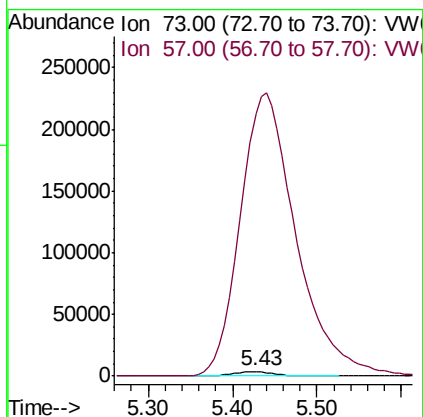
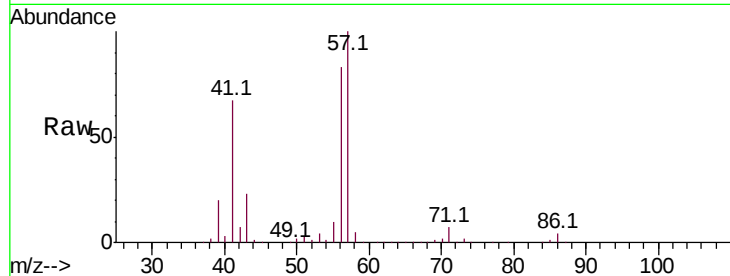




#19
Methyl tert-butyl Ether
Concen: 12.366 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

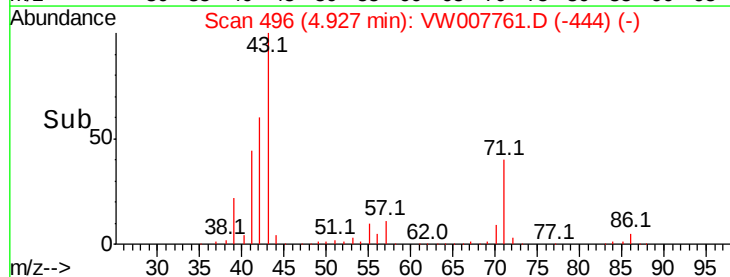
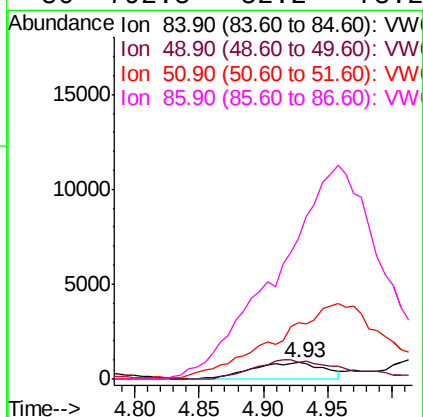
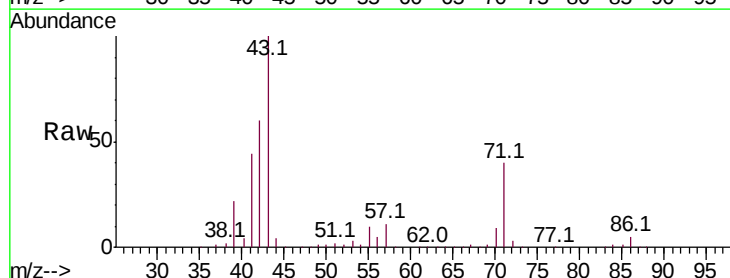
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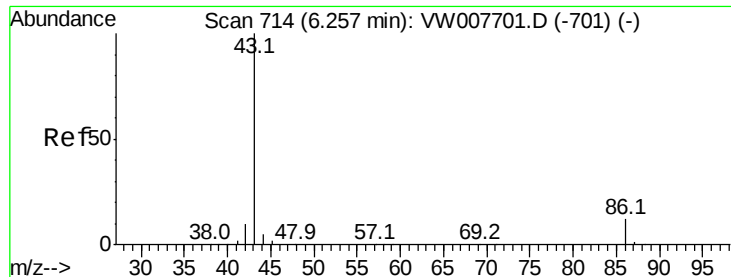
Tot Ion: 73 Resp: 12418
Ion Ratio Lower Upper
73 100
57 6021.6 14.7 22.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.02 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 84 Resp: 3379
Ion Ratio Lower Upper
84 100
49 100.1 83.7 125.5
51 323.9 28.2 42.2#
86 792.5 52.2 78.2#





#23

Vinyl Acetate

Concen: 6.537 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.03 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

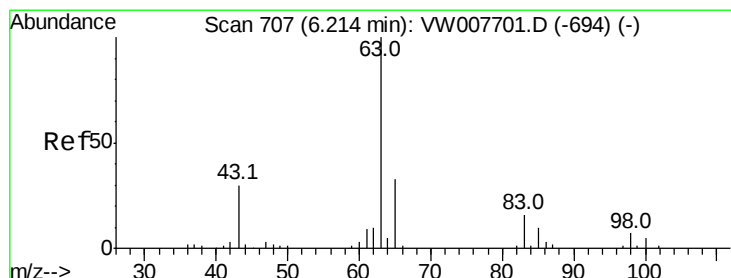
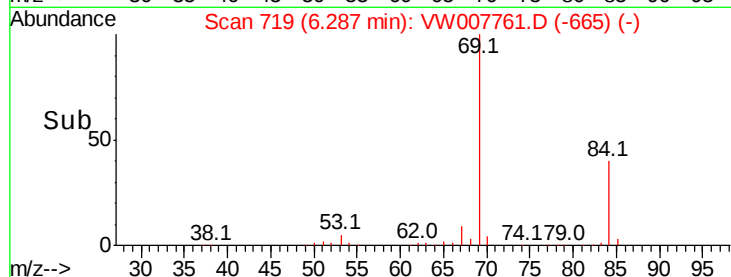
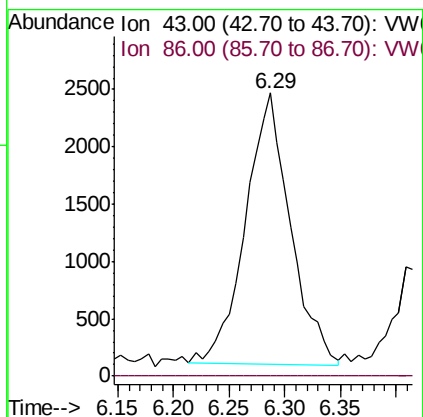
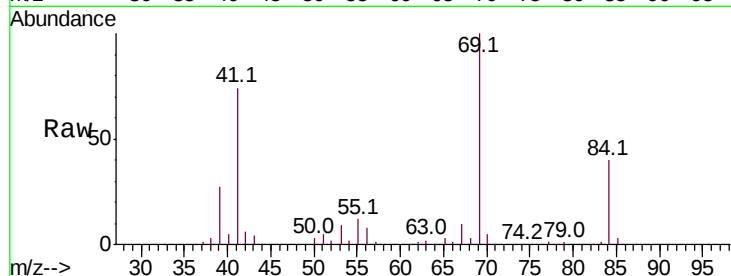
KY001SB106-121218-(20-22)-FD

Tot Ion: 43 Resp: 6671

Ion Ratio Lower Upper

43 100

86 0.0 9.6 14.4#



#24

1,1-Dichloroethane

Concen: 2.362 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.07 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

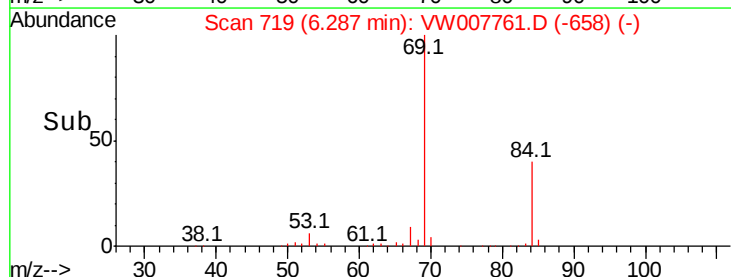
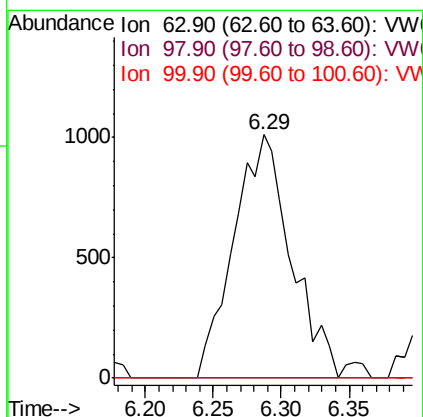
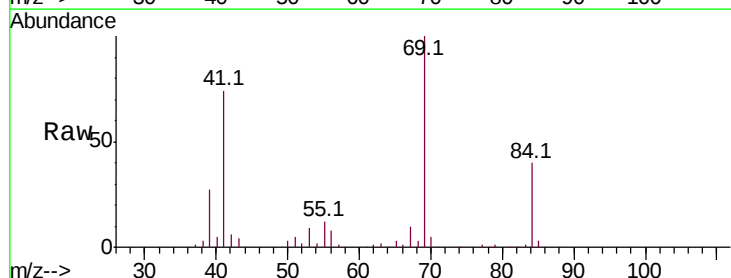
Tgt Ion: 63 Resp: 2984

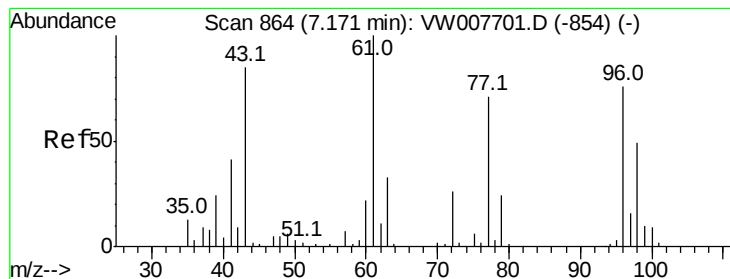
Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 294.178 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

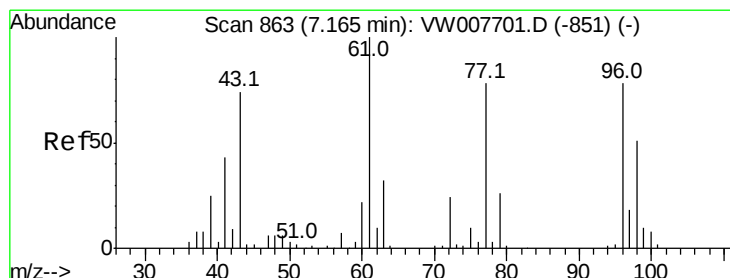
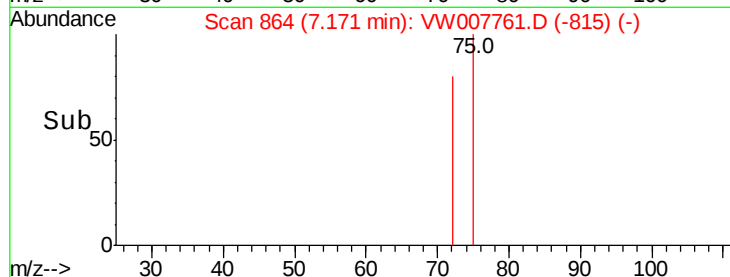
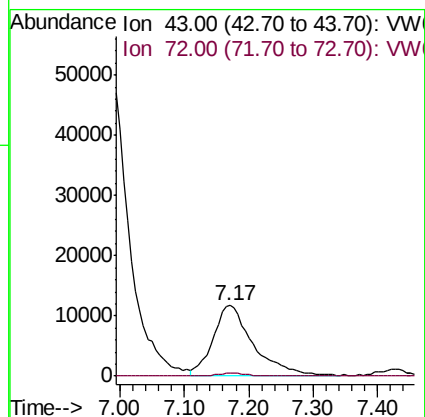
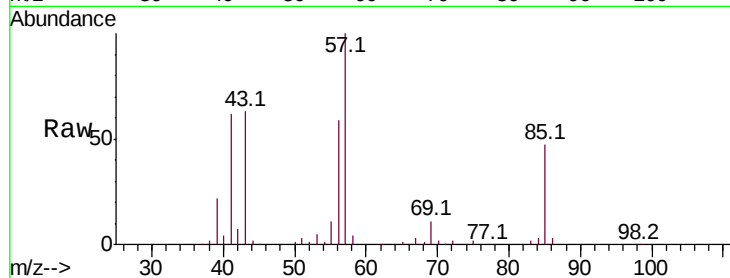
KY001SB106-121218-(20-22)-FD

Tot Ion: 43 Resp: 50139

Ion Ratio Lower Upper

43 100

72 3.9 24.5 36.7#



#26

2,2-Dichloropropane

Concen: 11.524 ug/l

RT: 6.99 min Scan# 834

Delta R.T. -0.18 min

Lab File: VW007761.D

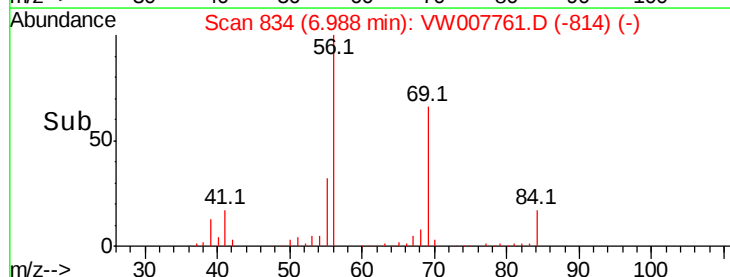
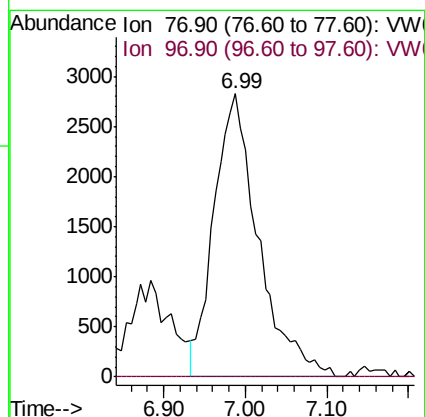
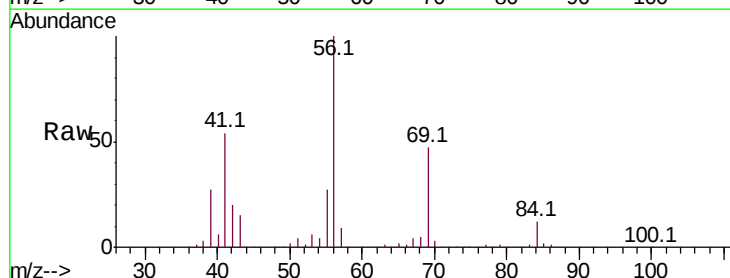
Acq: 20 Dec 2018 21:26

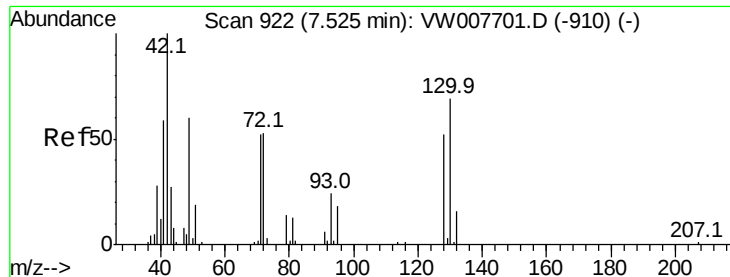
Tgt Ion: 77 Resp: 10655

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#





#29

Tetrahydrofuran

Concen: 22.230 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

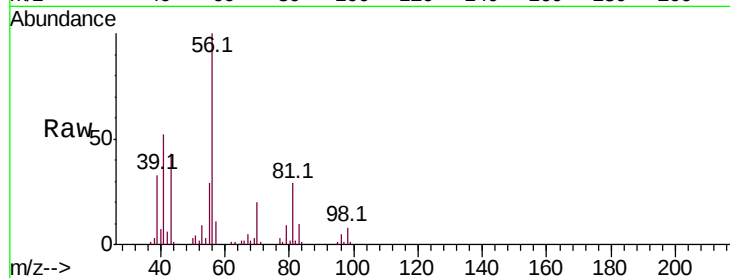
Tot Ion: 42 Resp: 2260

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

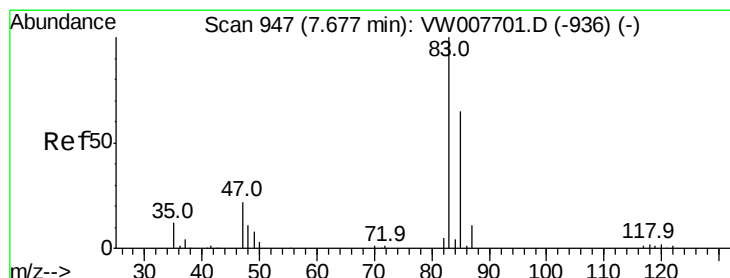
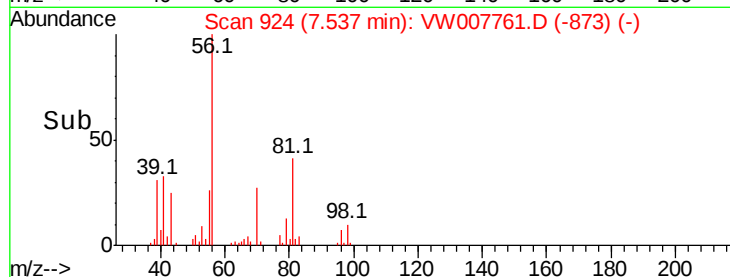
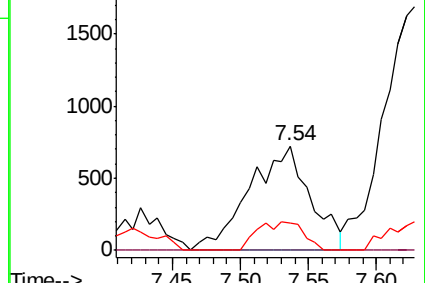
71 0.0 39.0 58.6#



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: 89.931 ug/l

RT: 7.63 min Scan# 940

Delta R.T. -0.04 min

Lab File: VW007761.D

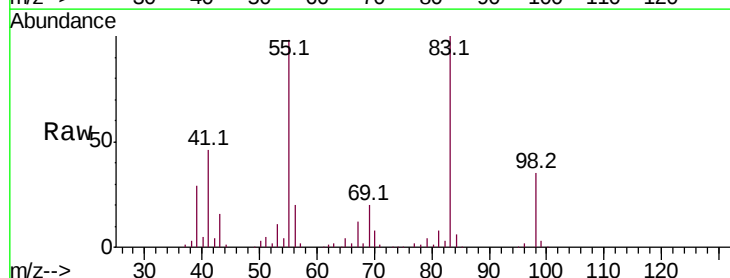
Acq: 20 Dec 2018 21:26

Tgt Ion: 83 Resp: 128596

Ion Ratio Lower Upper

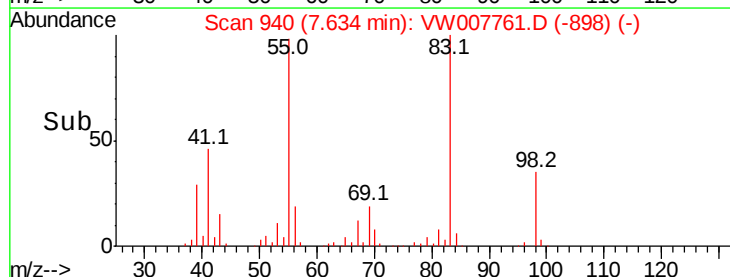
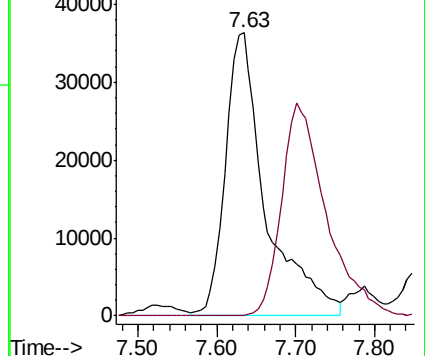
83 100

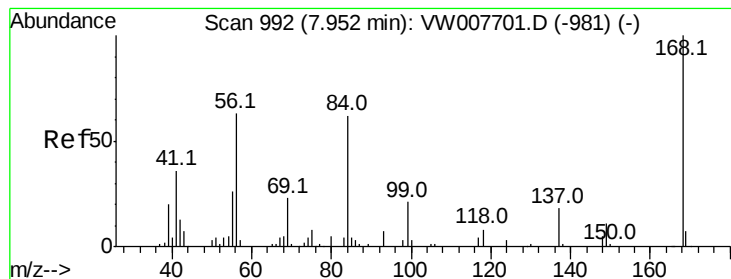
85 0.4 52.2 78.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1339.621 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

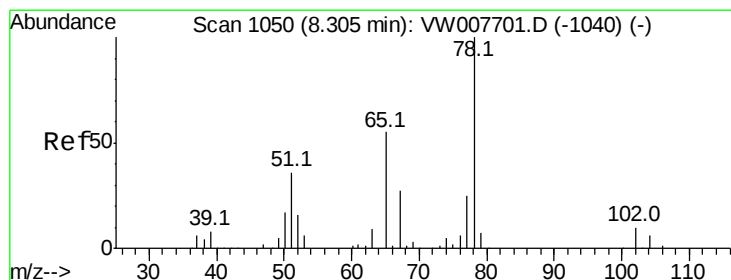
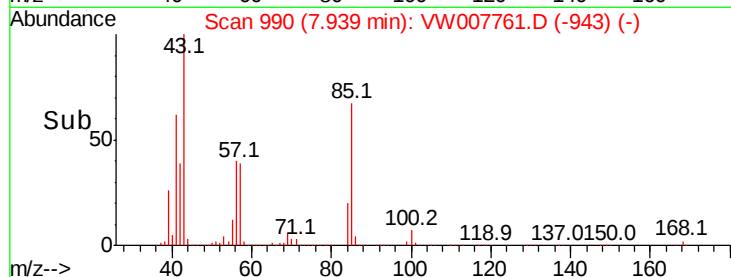
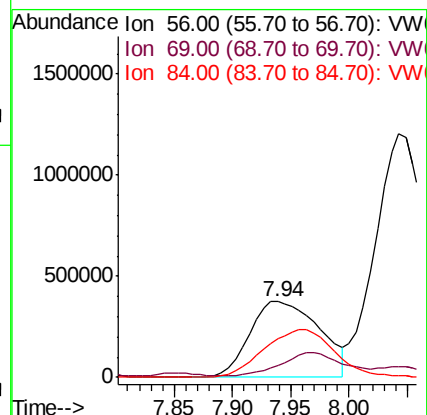
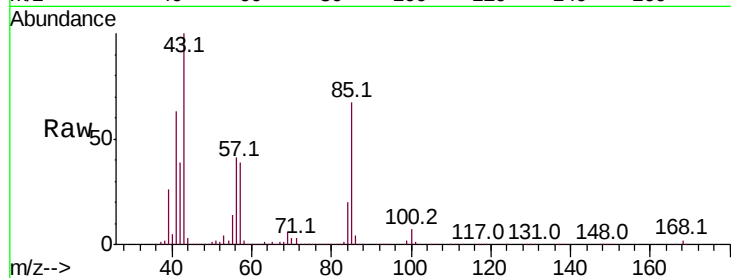
Tot Ion: 56 Resp: 1549606

Ion Ratio Lower Upper

56 100

69 11.1 29.7 44.5#

84 50.8 78.9 118.3#



#33

1,2-Dichloroethane-d4

Concen: 45.591 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007761.D

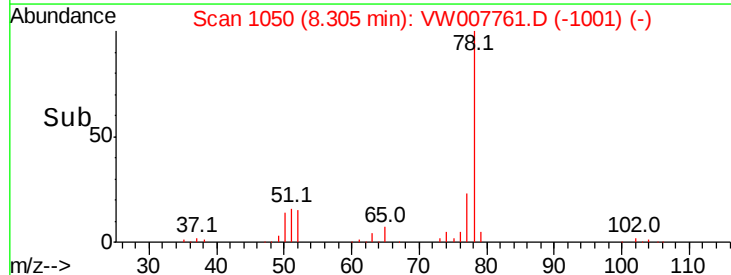
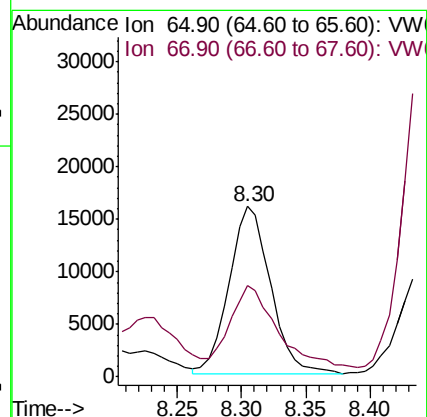
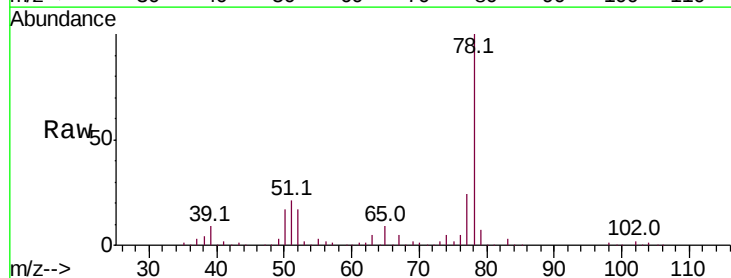
Acq: 20 Dec 2018 21:26

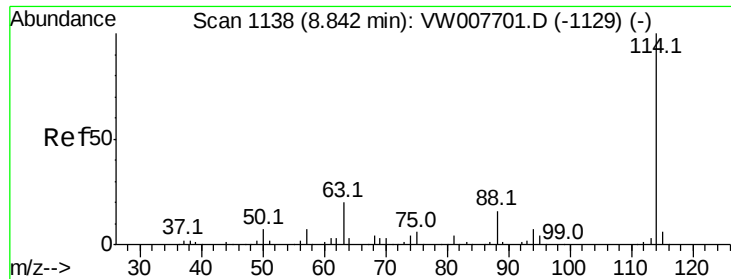
Tgt Ion: 65 Resp: 35427

Ion Ratio Lower Upper

65 100

67 54.6 0.0 100.6

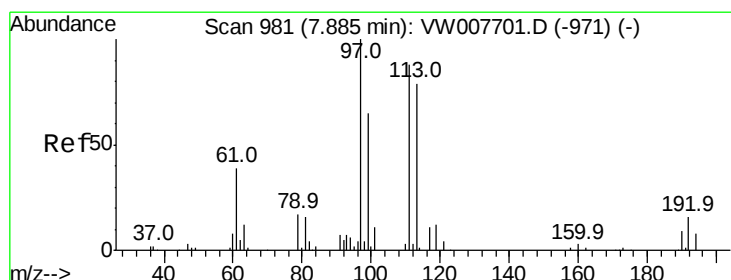
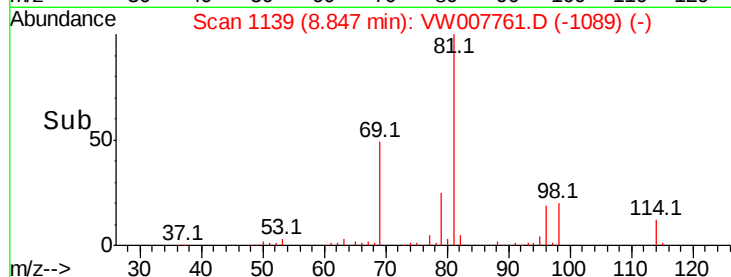
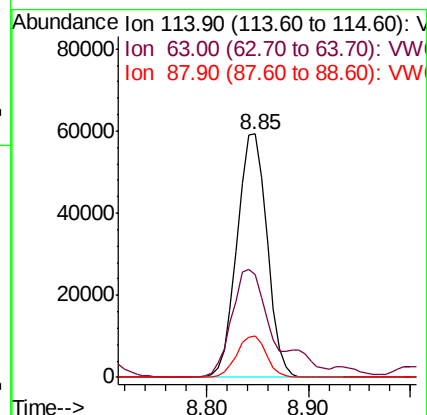
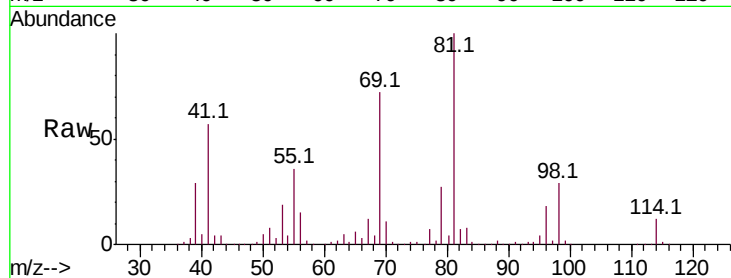




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

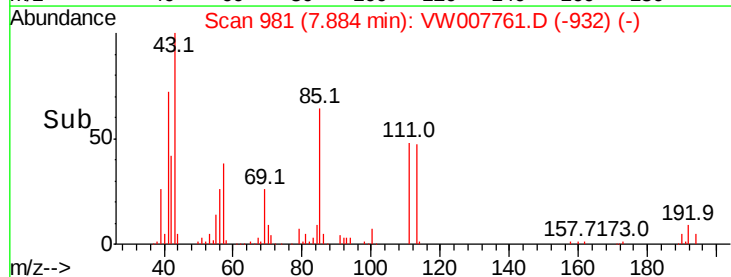
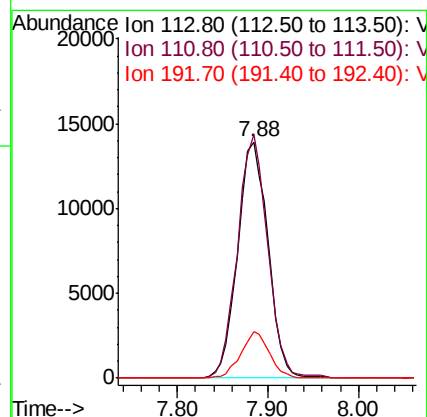
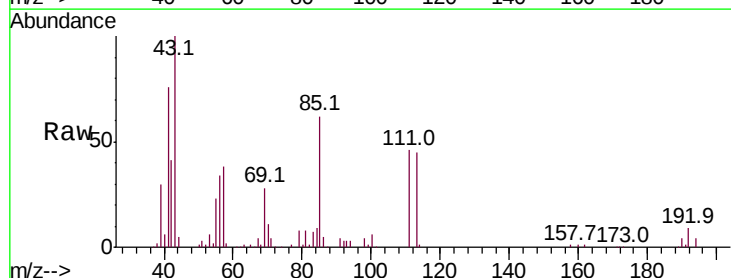
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)-FD

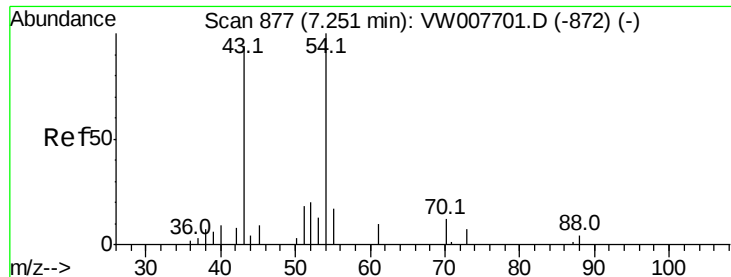
Tot Ion	Ratio	Lower	Upper
114	100		
63	42.3	0.0	40.0#
88	16.9	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 44.011 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	124.0
192	18.4	15.5	23.3





#37

Ethyl Acetate

Concen: 124.440 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

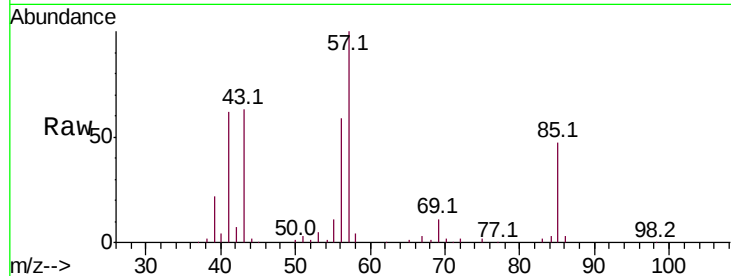
Tot Ion: 43 Resp: 50139

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

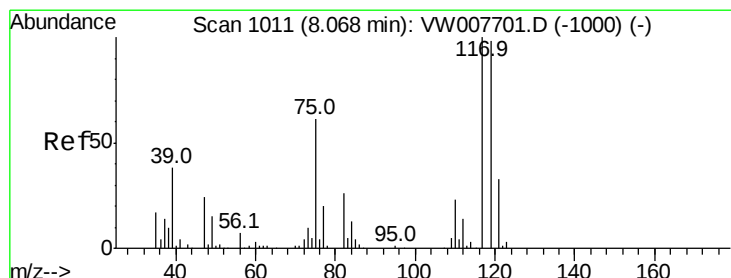
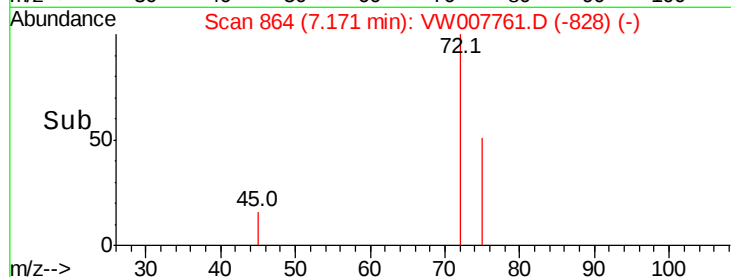
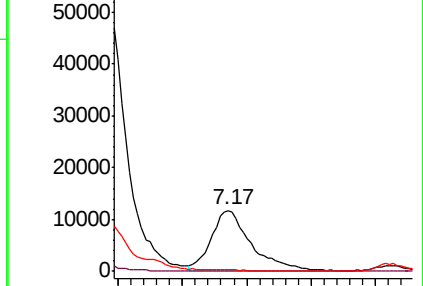
70 0.0 9.3 13.9#



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: 5.646 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

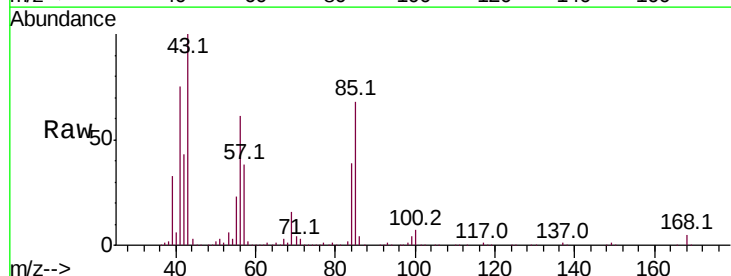
Tgt Ion: 117 Resp: 7763

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

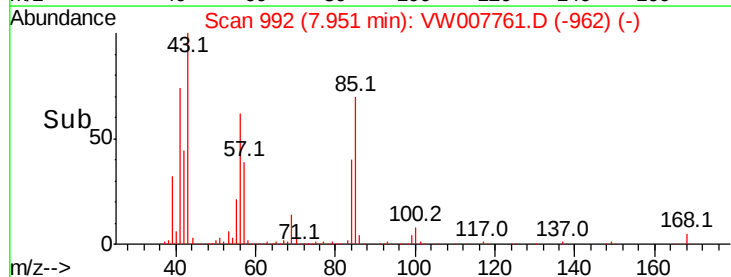
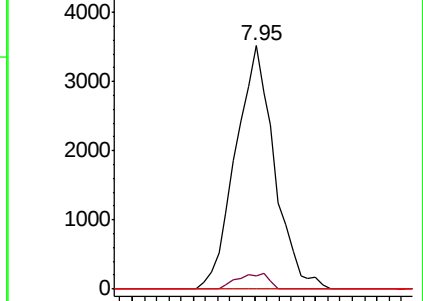
121 0.0 26.1 39.1#

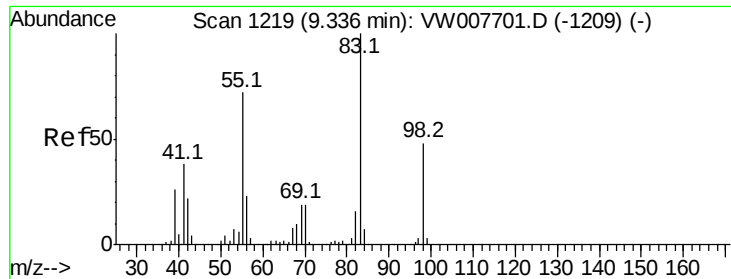


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

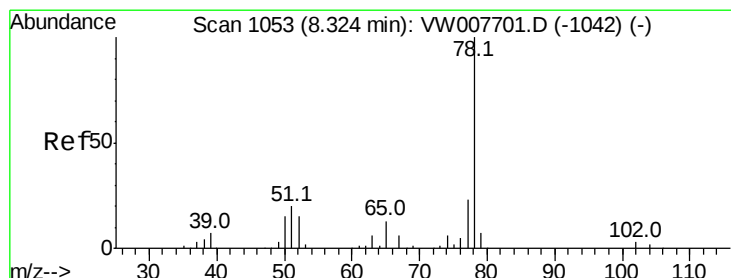
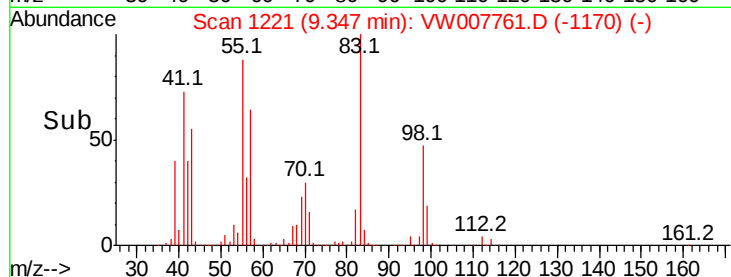
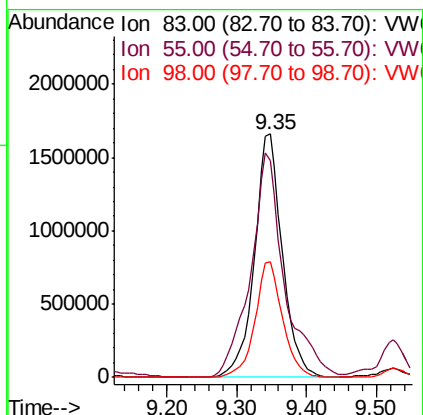
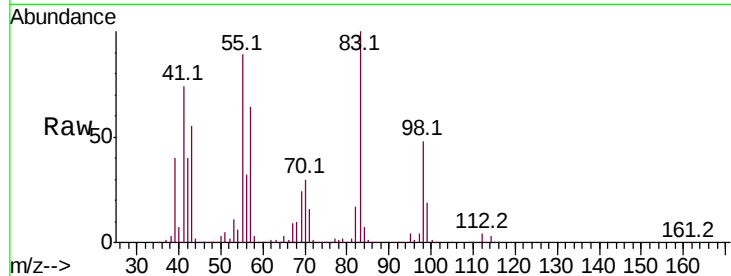




#39
Methvlcvclohexane
Concen: 3166.879 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

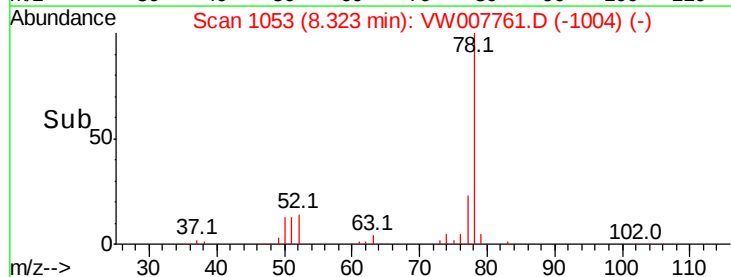
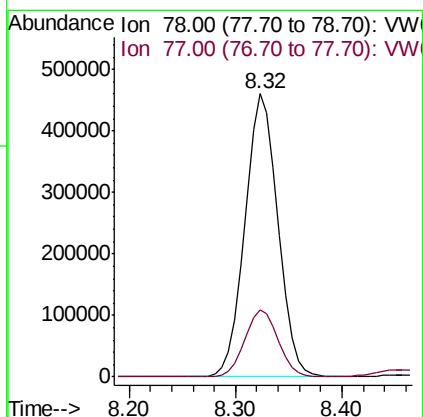
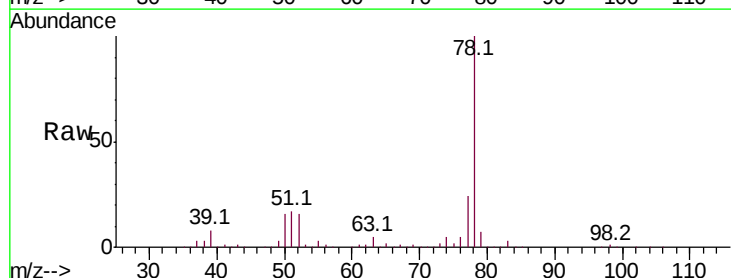
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

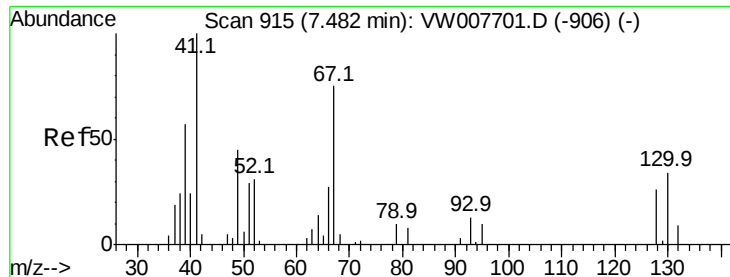
Tot Ion: 83 Resp: 4594295
Ion Ratio Lower Upper
83 100
55 88.7 57.2 85.8#
98 47.6 38.6 58.0



#40
Benzene
Concen: 320.656 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 78 Resp: 998983
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1





#41

Methacrylonitrile

Concen: 85.969 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

Tot Ion: 41 Resp: 19666

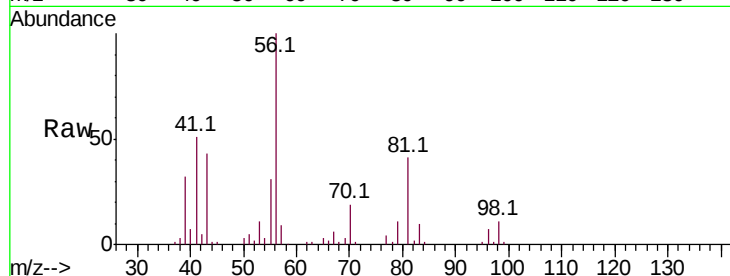
Ion Ratio Lower Upper

41 100

39 69.7 54.2 81.4

67 0.0 65.7 98.5#

52 6.4 26.2 39.4#

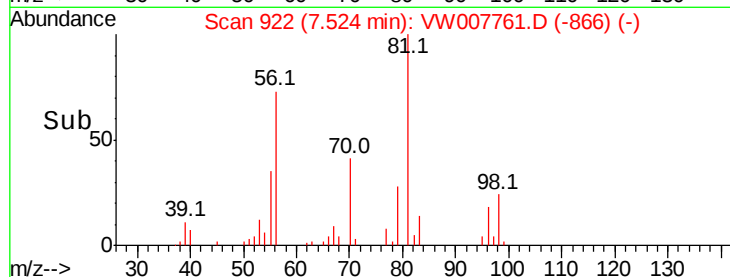
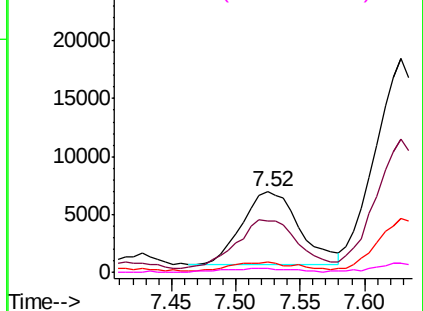


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 8.817 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.08 min

Lab File: VW007761.D

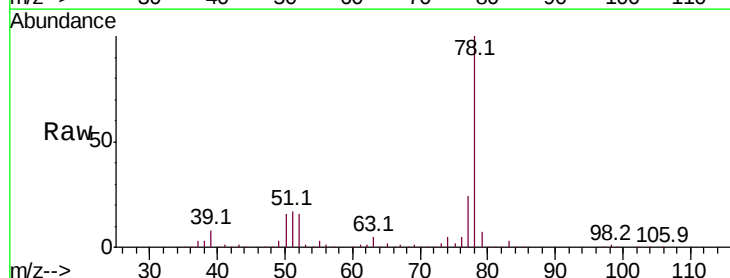
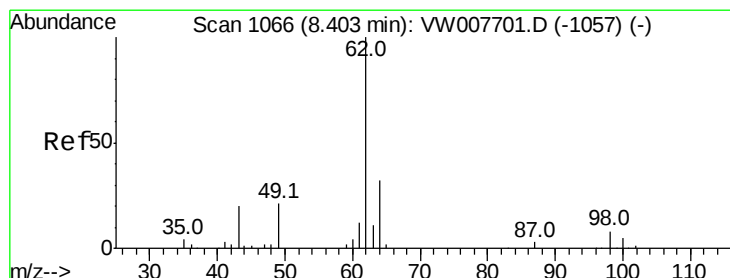
Acq: 20 Dec 2018 21:26

Tgt Ion: 62 Resp: 9205

Ion Ratio Lower Upper

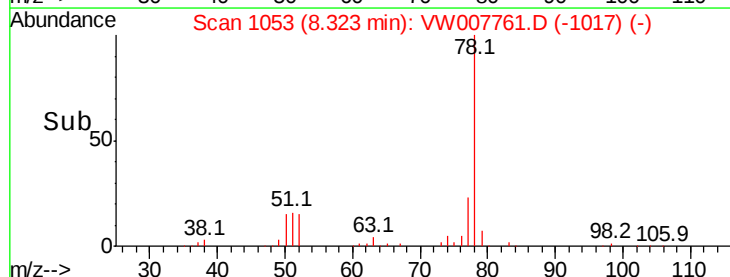
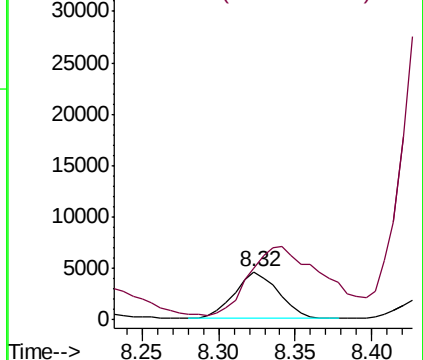
62 100

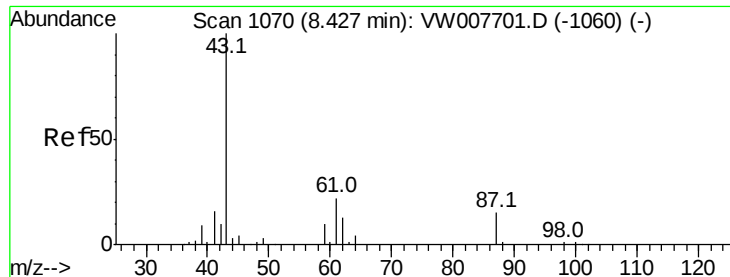
98 244.3 0.0 16.6#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 8875.643 ug/l

RT: 8.51 min Scan# 1083

Delta R.T. 0.08 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

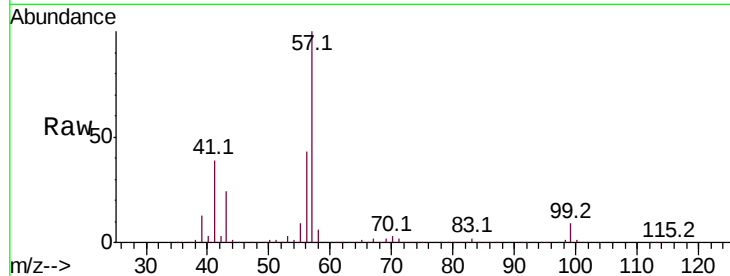
Tot Ion: 43 Resp: 7164647

Ion Ratio Lower Upper

43 100

61 0.1 26.3 39.5#

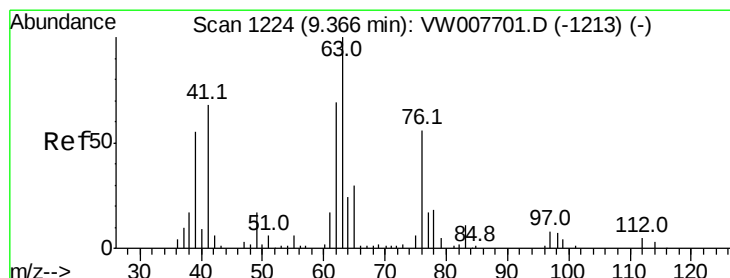
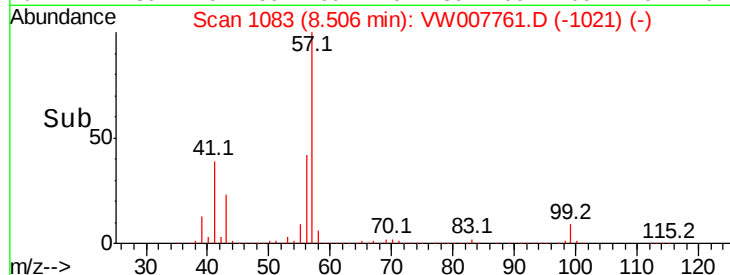
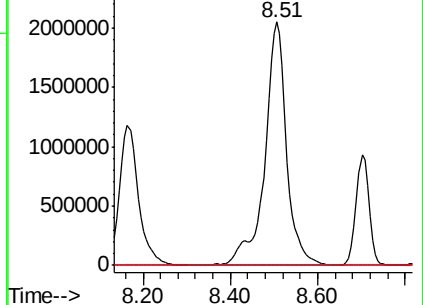
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#45

1,2-Dichloropropane

Concen: 105.145 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.02 min

Lab File: VW007761.D

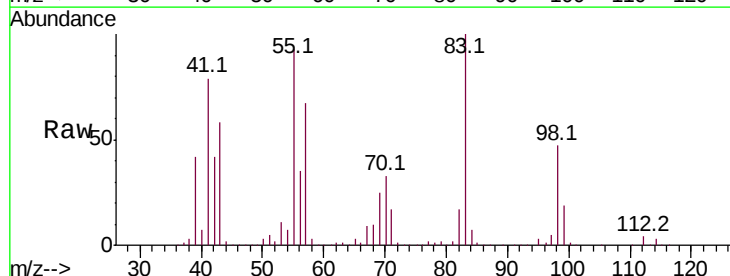
Acq: 20 Dec 2018 21:26

Tgt Ion: 63 Resp: 72685

Ion Ratio Lower Upper

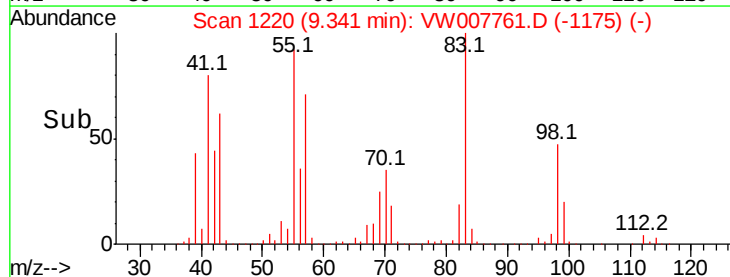
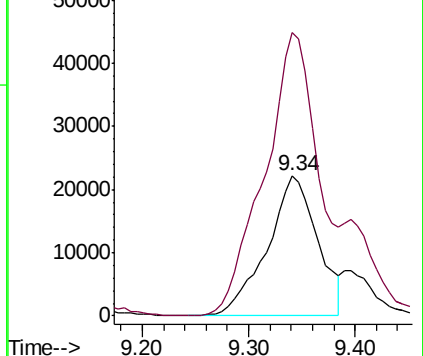
63 100

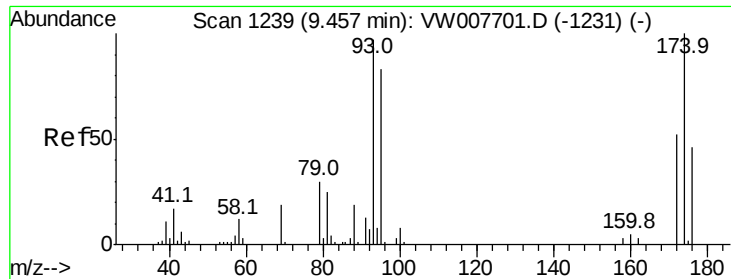
65 201.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 15.822 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

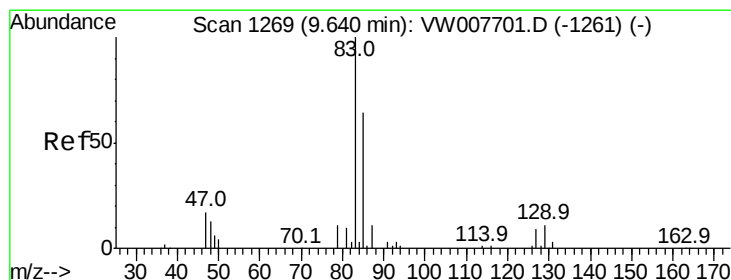
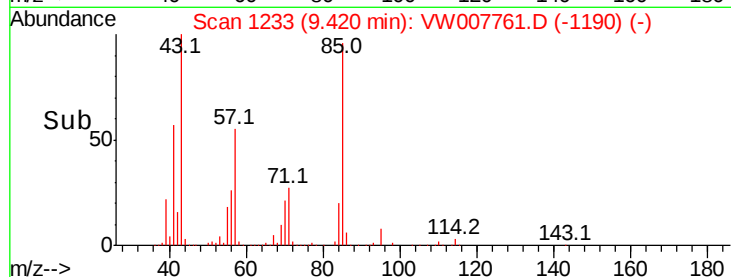
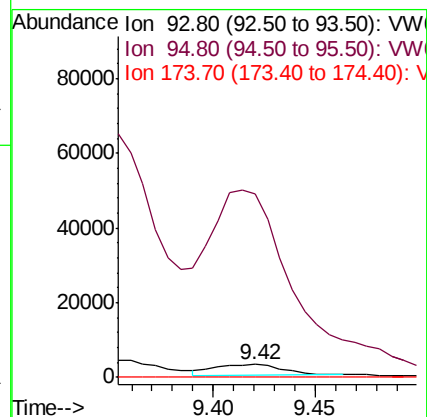
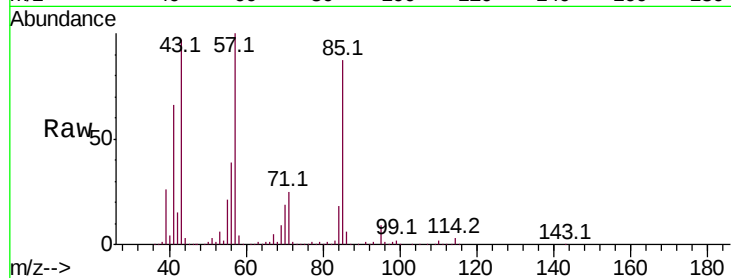
Tot Ion: 93 Resp: 6733

Ion Ratio Lower Upper

93 100

95 2247.7 67.5 101.3#

174 0.0 83.9 125.9#



#47

Bromodichloromethane

Concen: 218.775 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

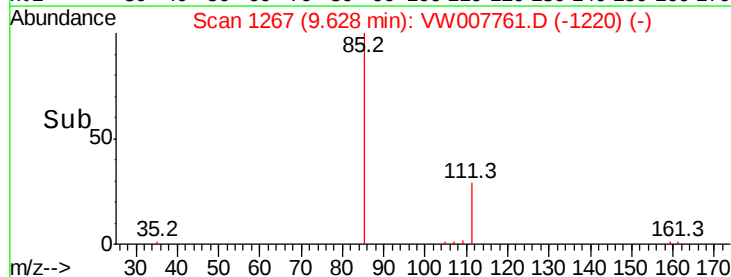
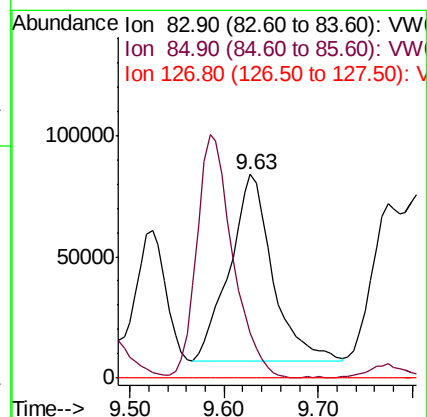
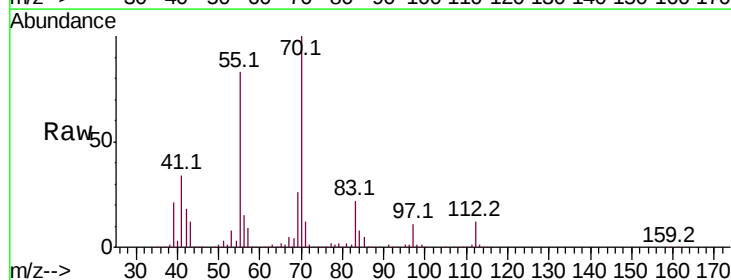
Tgt Ion: 83 Resp: 244743

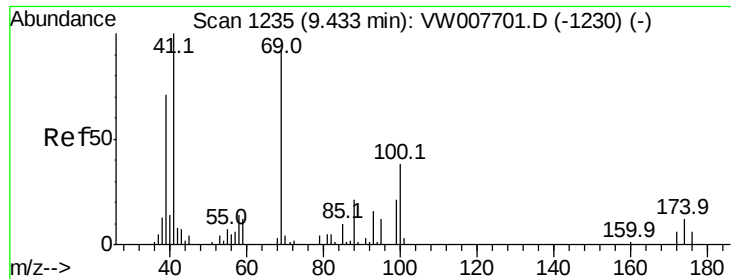
Ion Ratio Lower Upper

83 100

85 23.4 51.4 77.0#

127 0.0 7.5 11.3#





#48

Methyl methacrylate

Concen: 678.557 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.05 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

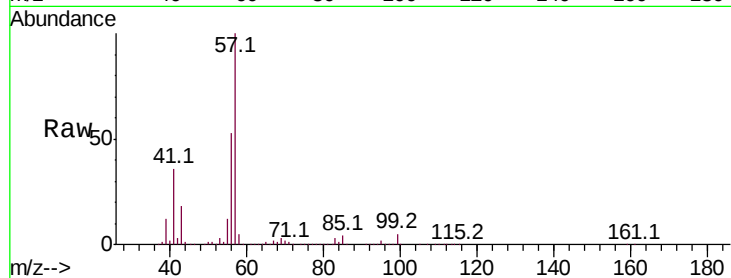
Tot Ion: 41 Resp: 273411

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

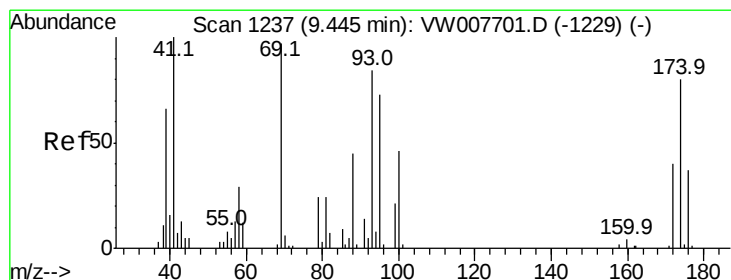
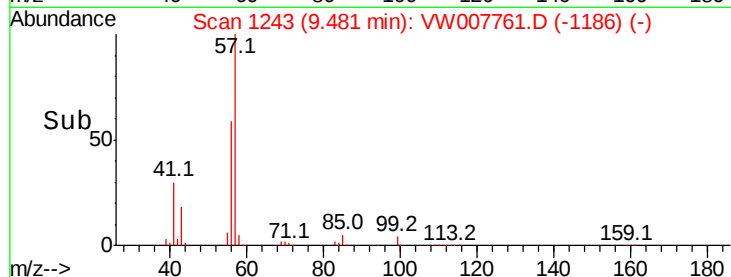
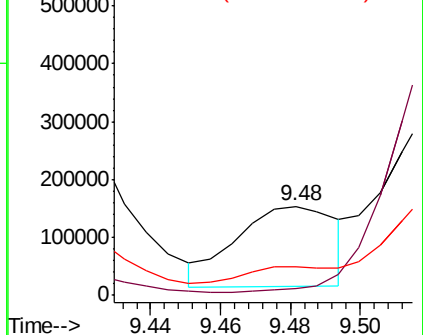
39 0.0 53.9 80.9#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW



#49

1,4-Dioxane

Concen: 3.113 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.07 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

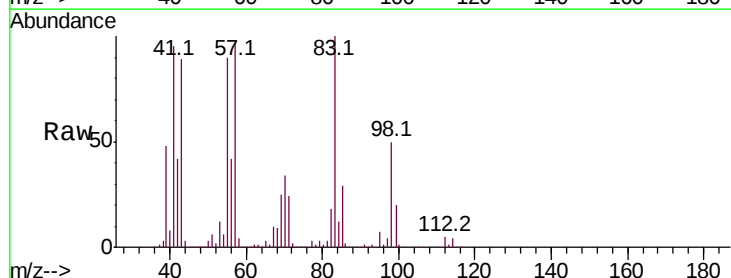
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

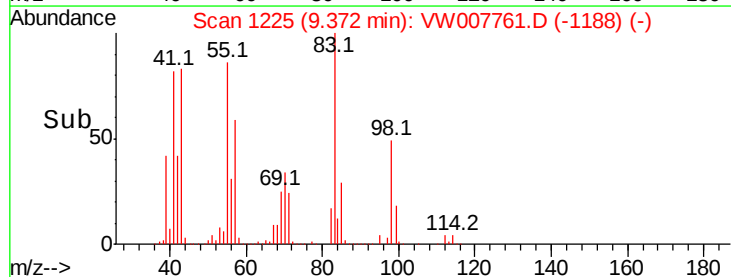
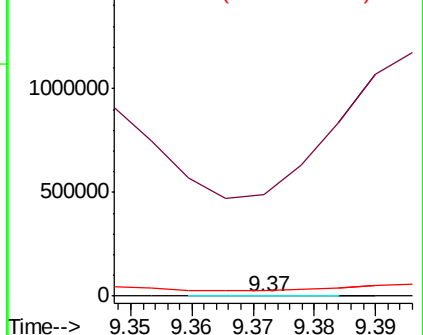
58 0.0 52.3 78.5#

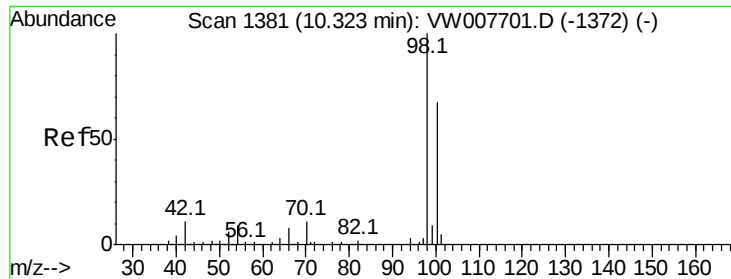


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 95.671 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

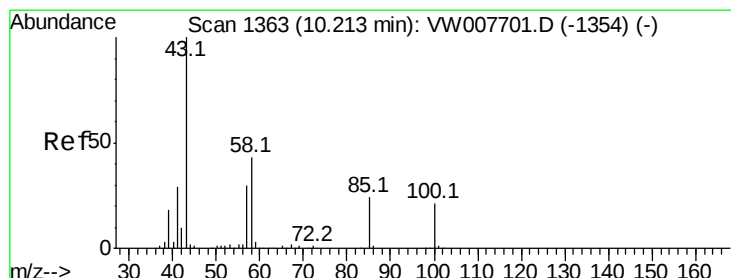
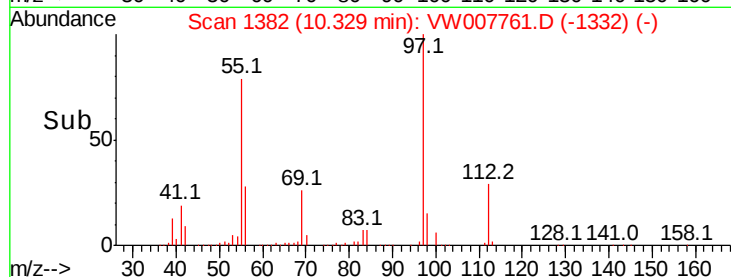
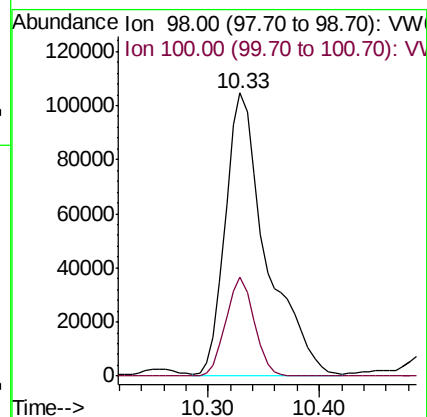
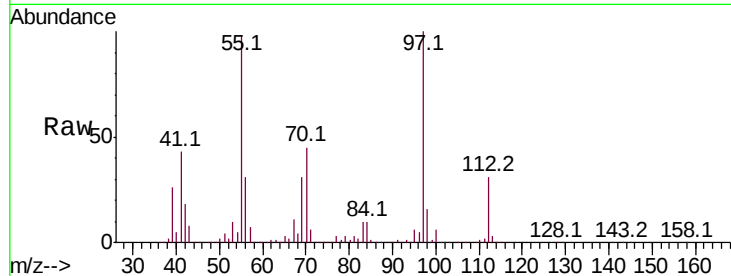
KY001SB106-121218-(20-22)-FD

Tot Ion: 98 Resp: 266144

Ion Ratio Lower Upper

98 100

100 24.3 52.2 78.2#



#51

4-Methyl-2-Pentanone

Concen: 1413.923 ug/l

RT: 10.26 min Scan# 1371

Delta R.T. 0.05 min

Lab File: VW007761.D

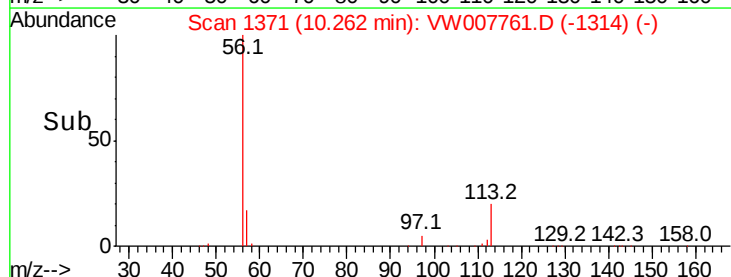
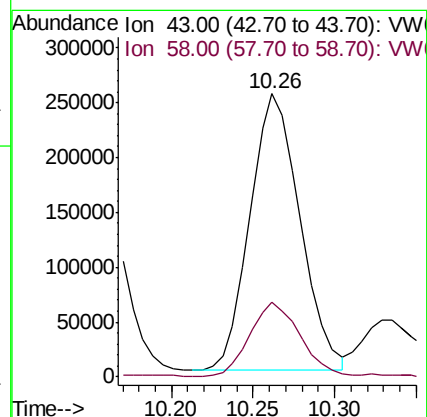
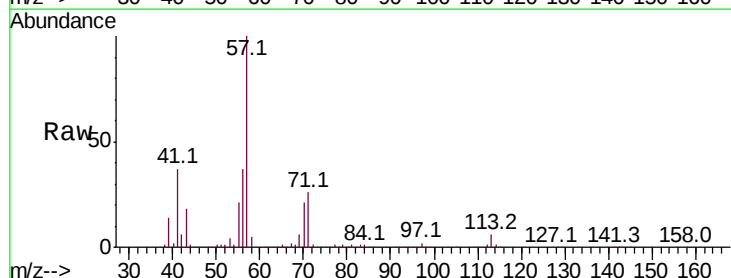
Acq: 20 Dec 2018 21:26

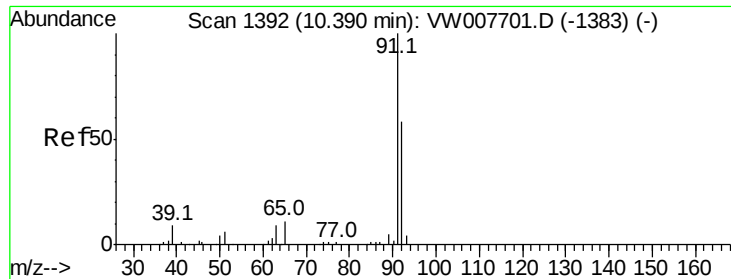
Tgt Ion: 43 Resp: 539402

Ion Ratio Lower Upper

43 100

58 26.5 33.2 49.8#





#52

Toluene

Concen: 45.997 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

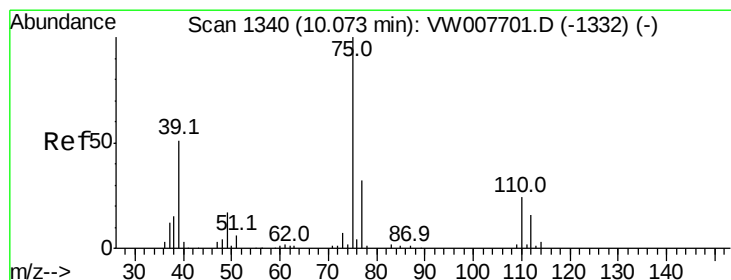
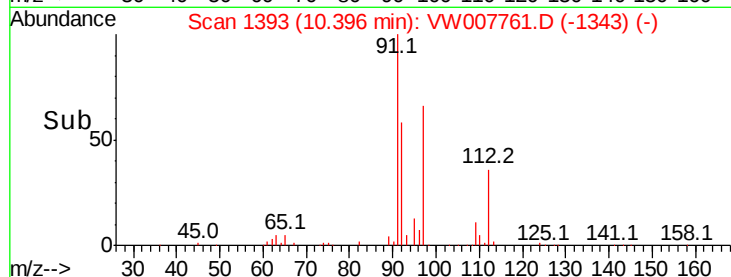
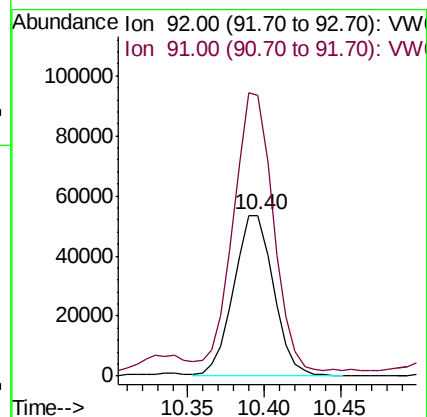
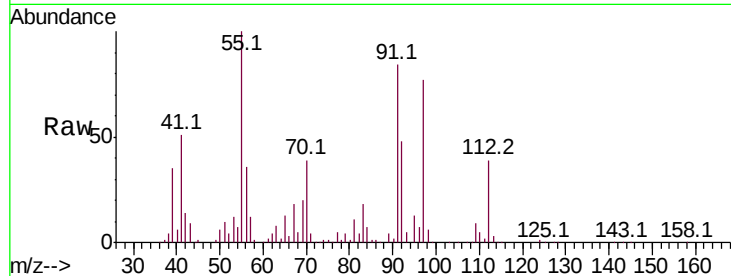
KY001SB106-121218-(20-22)-FD

Tot Ion: 92 Resp: 96144

Ion Ratio Lower Upper

92 100

91 174.2 137.0 205.4



#54

cis-1,3-Dichloropropene

Concen: 1.135 ug/l

RT: 10.12 min Scan# 1347

Delta R.T. 0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

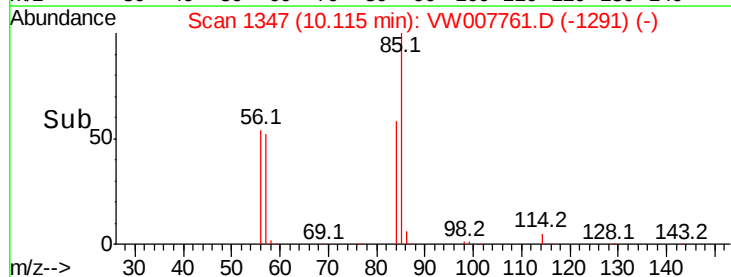
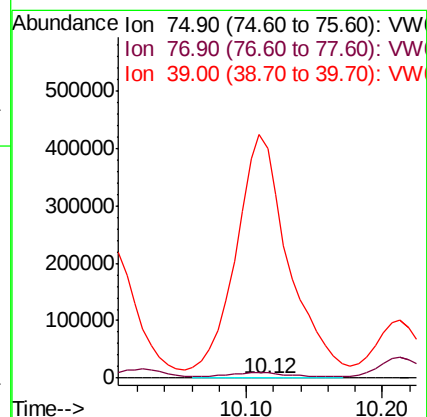
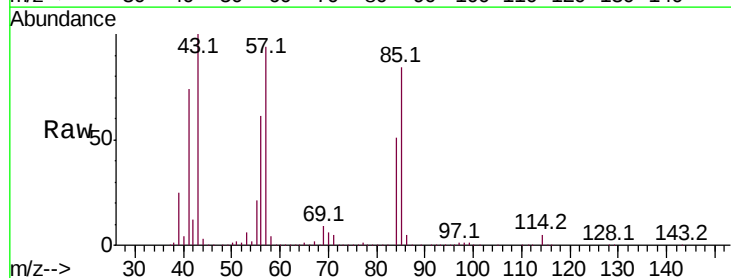
Tgt Ion: 75 Resp: 1395

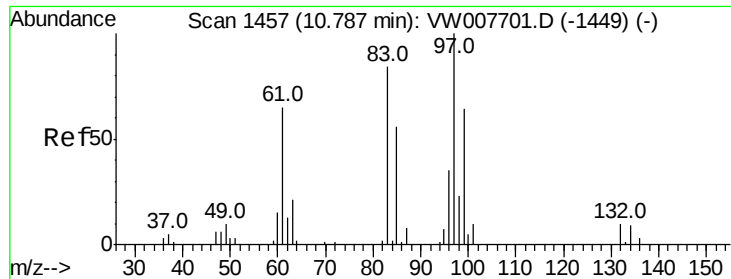
Ion Ratio Lower Upper

75 100

77 1080.9 25.5 38.3#

39 64261.3 41.2 61.8#





#55

1,1,2-Trichloroethane

Concen: 1678.760 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

Tot Ion: 97 Resp: 984824

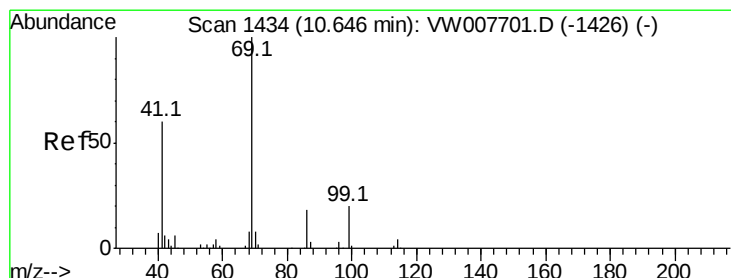
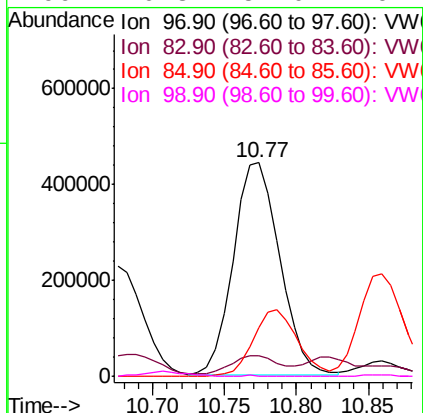
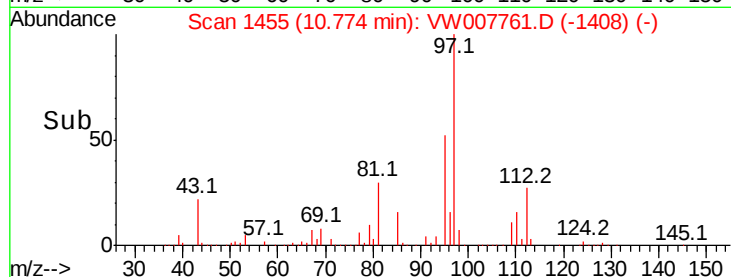
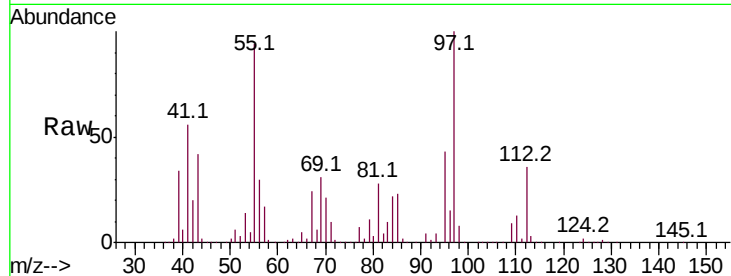
Ion Ratio Lower Upper

97 100

83 8.6 67.5 101.3#

85 22.8 44.8 67.2#

99 0.3 51.0 76.4#



#56

Ethyl methacrylate

Concen: 252.483 ug/l

RT: 10.69 min Scan# 1441

Delta R.T. 0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

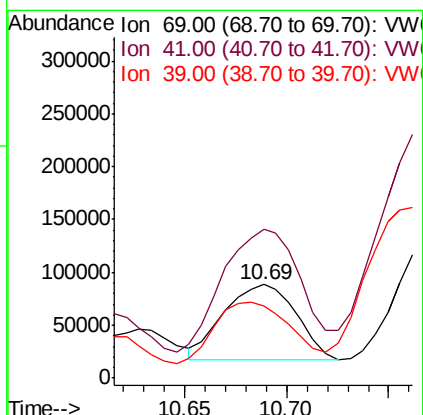
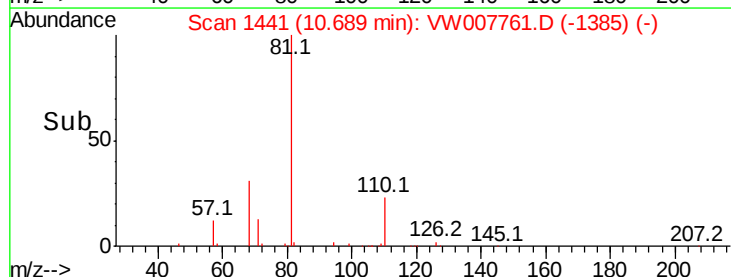
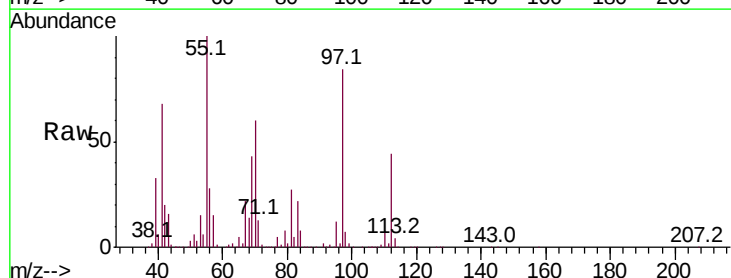
Tgt Ion: 69 Resp: 175000

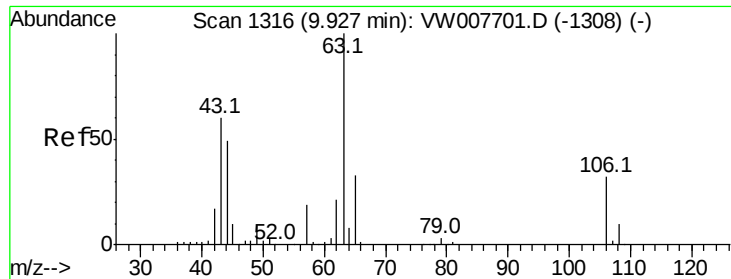
Ion Ratio Lower Upper

69 100

41 181.6 48.9 73.3#

39 86.2 31.3 46.9#

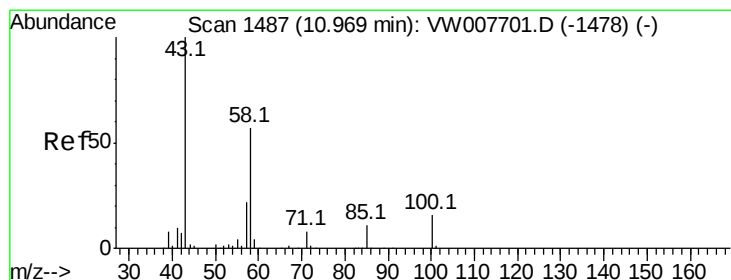
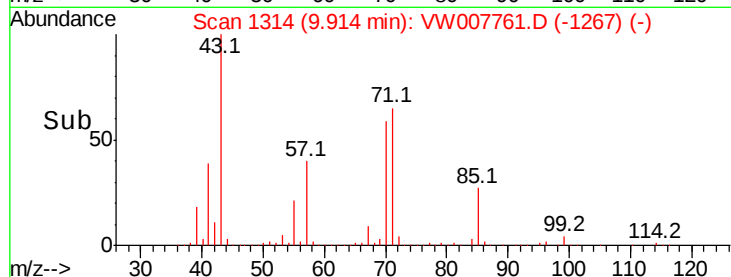
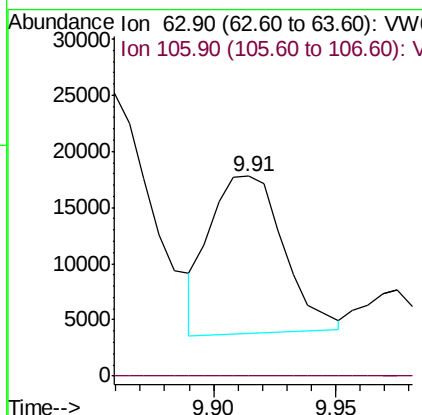
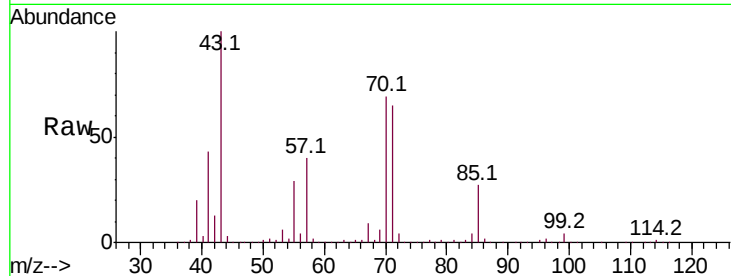




#58
 2-Chloroethyl Vinyl ether
 Concen: 92.534 ug/l
 RT: 9.91 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

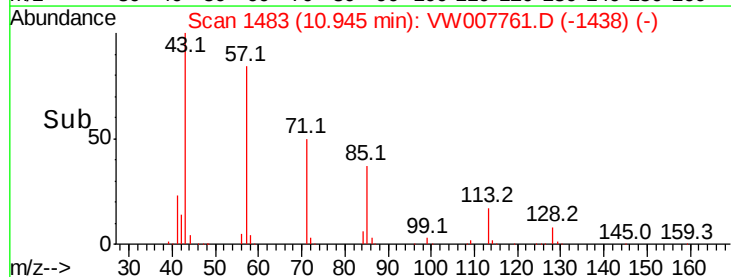
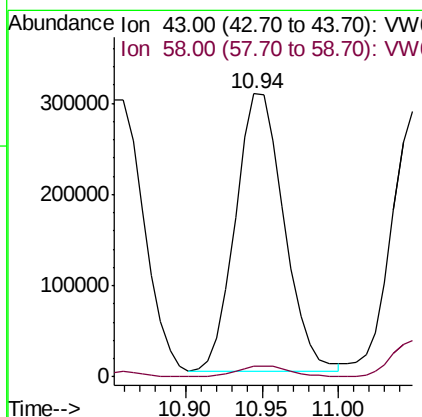
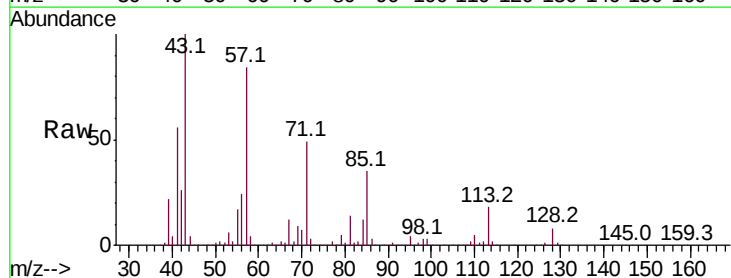
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)-FD

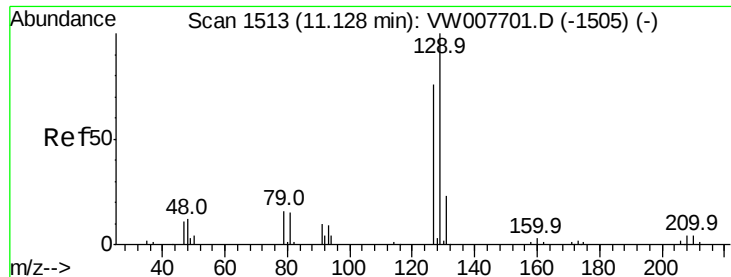
Tot Ion: 63 Resp: 29283
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 2492.232 ug/l
 RT: 10.94 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

Tgt Ion: 43 Resp: 668647
 Ion Ratio Lower Upper
 43 100
 58 4.3 27.7 83.1#

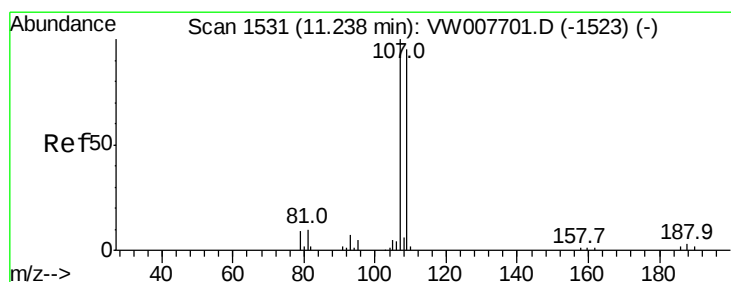
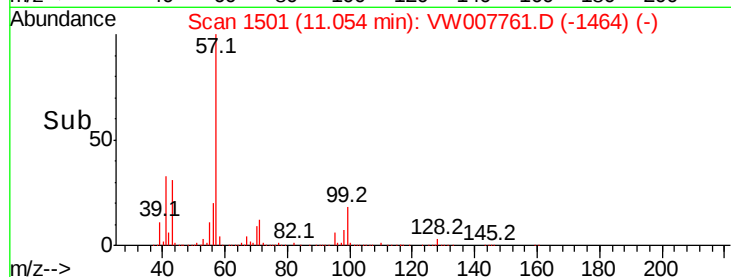
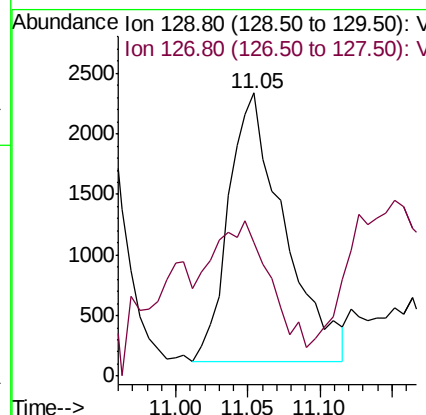
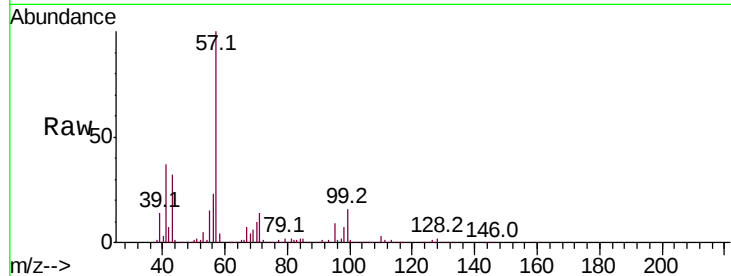




#60
Dibromochloromethane
Concen: 7.696 ug/l
RT: 11.05 min Scan# 1501
Delta R.T. -0.07 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

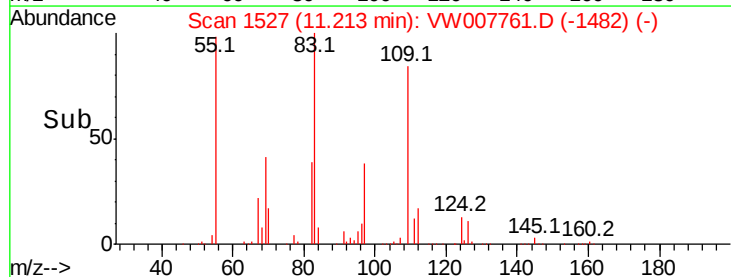
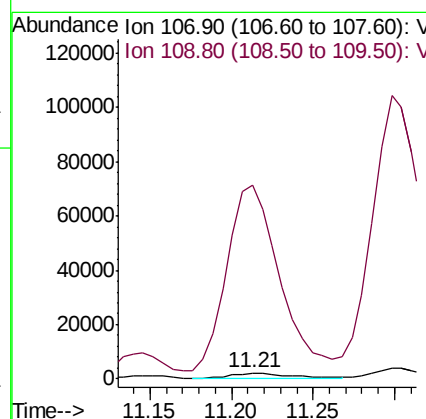
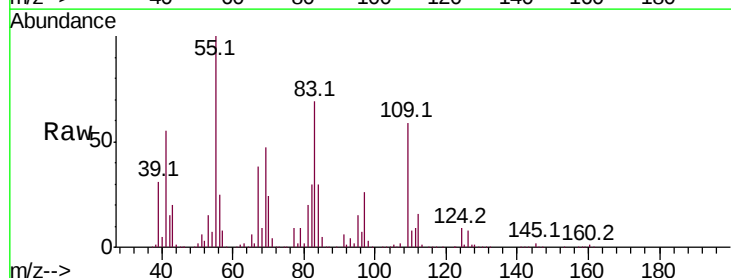
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

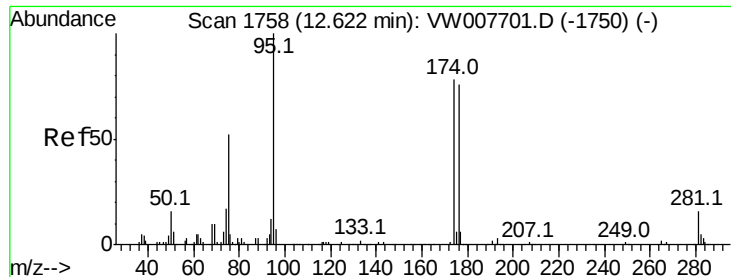
Tot Ion:129 Resp: 5978
Ion Ratio Lower Upper
129 100
127 61.9 38.3 114.9



#61
1,2-Dibromoethane
Concen: 7.657 ug/l
RT: 11.21 min Scan# 1527
Delta R.T. -0.02 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion:107 Resp: 4549
Ion Ratio Lower Upper
107 100
109 3350.4 75.4 113.0#

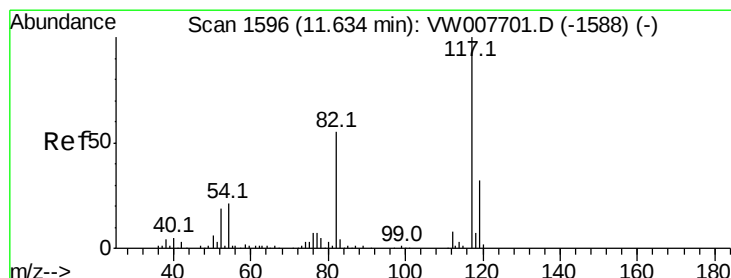
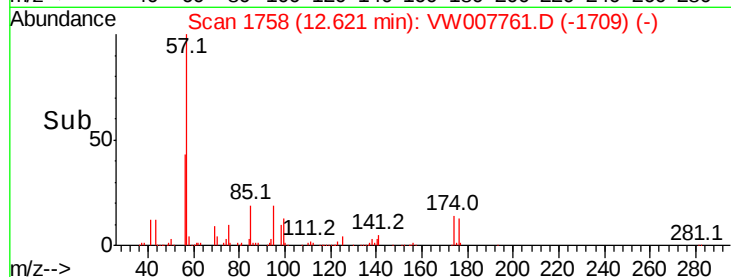
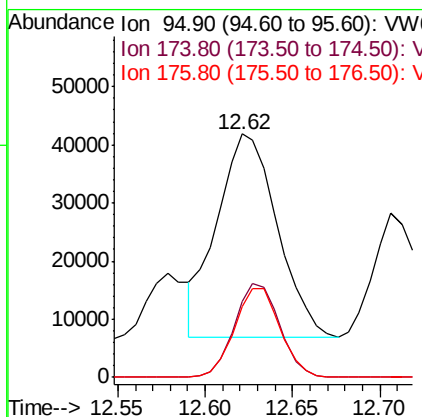
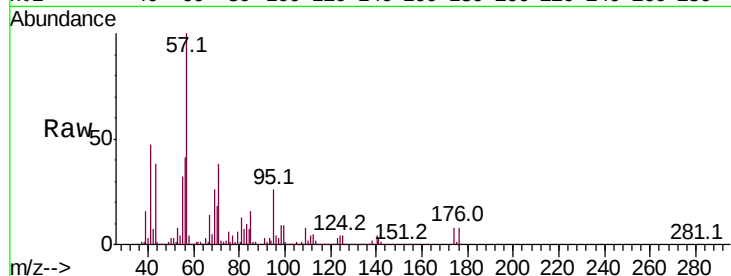




#62
4-Bromofluorobenzene
Concen: 78.437 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

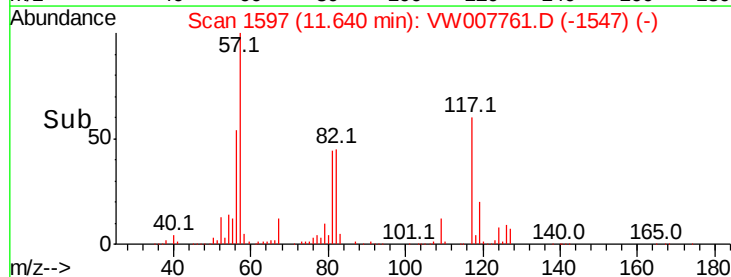
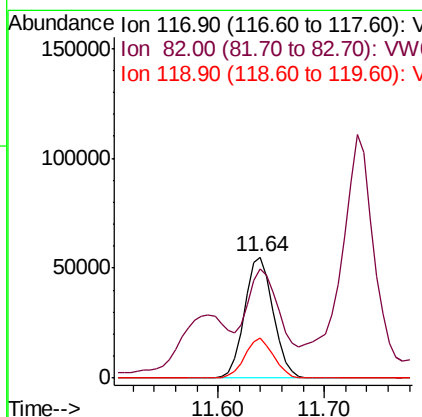
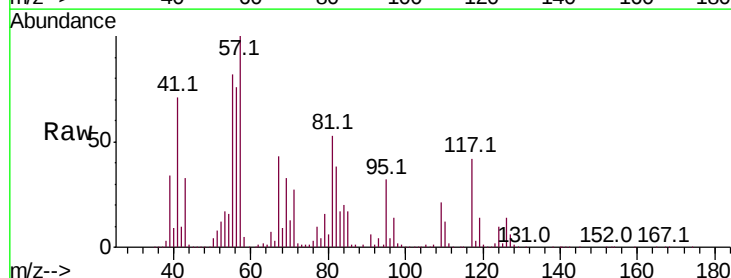
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

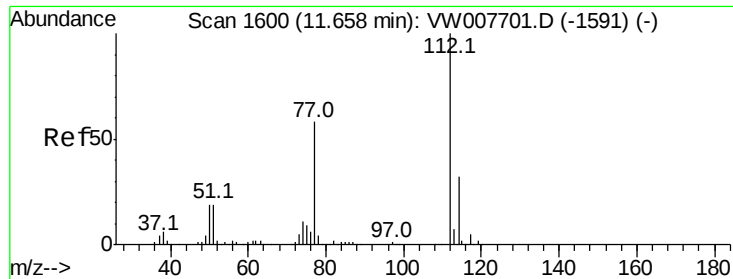
Tot Ion: 95 Resp: 84296
Ion Ratio Lower Upper
95 100
174 34.6 0.0 152.2
176 33.1 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 117 Resp: 104318
Ion Ratio Lower Upper
117 100
82 49.2 44.3 66.5
119 32.9 25.7 38.5

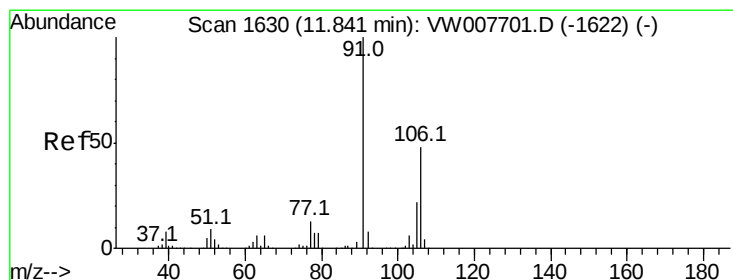
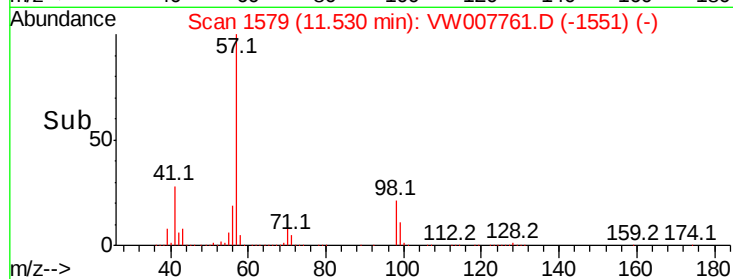
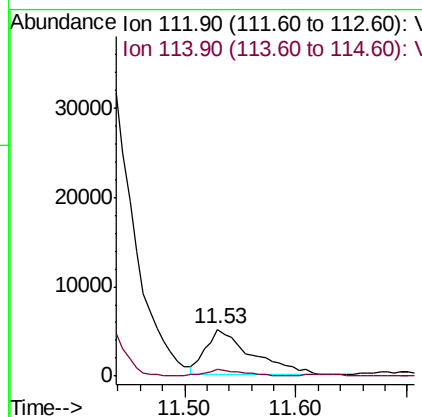
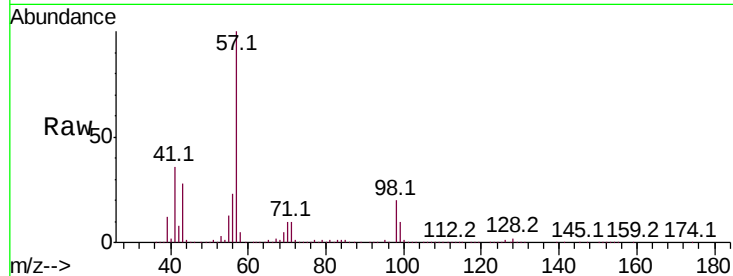




#65
Chlorobenzene
Concen: 6.513 ug/l
RT: 11.53 min Scan# 1579
Delta R.T. -0.13 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

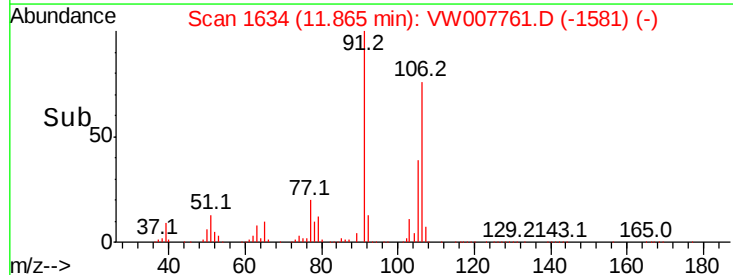
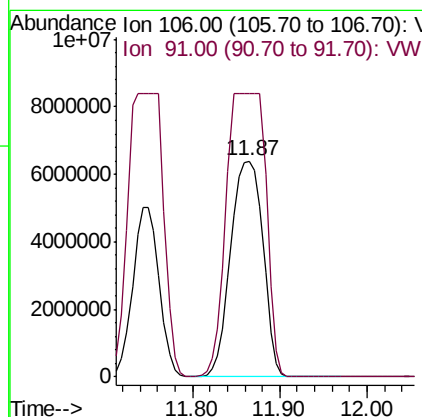
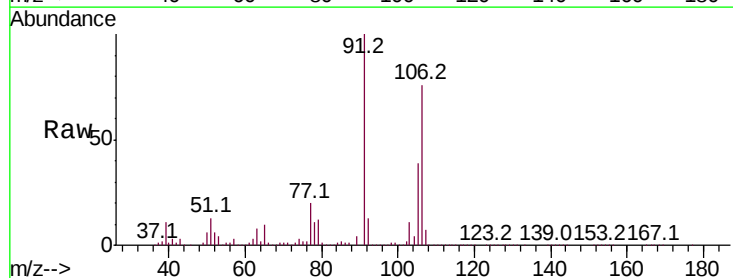
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

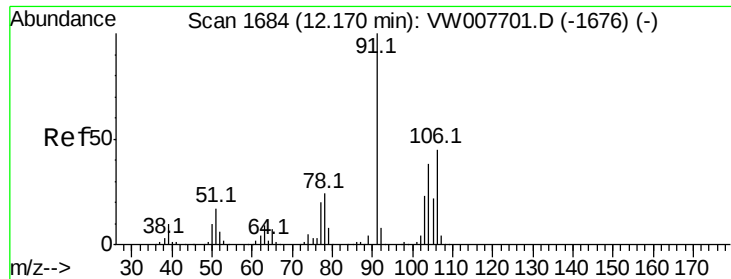
Tot Ion:112 Resp: 14706
Ion Ratio Lower Upper
112 100
114 11.6 25.2 37.8#



#68
m/p-Xylenes
Concen: 10913.597 ug/l
RT: 11.87 min Scan# 1634
Delta R.T. 0.02 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion:106 Resp:16402964
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#

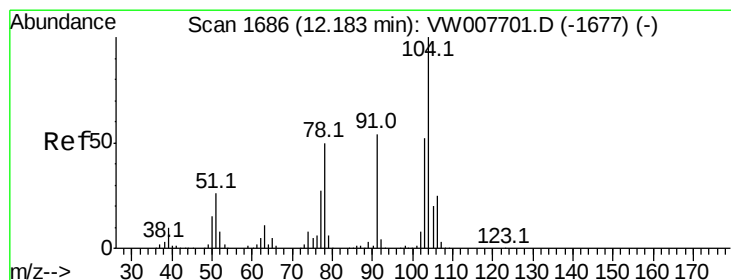
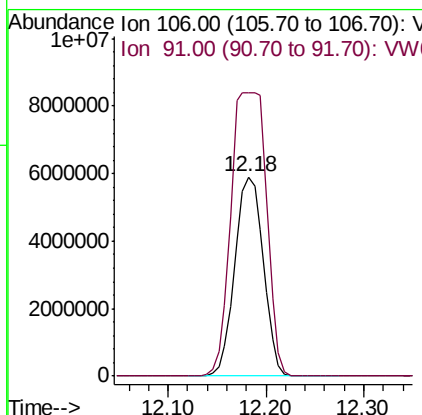
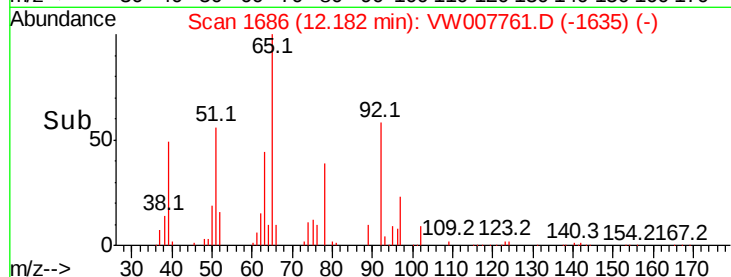
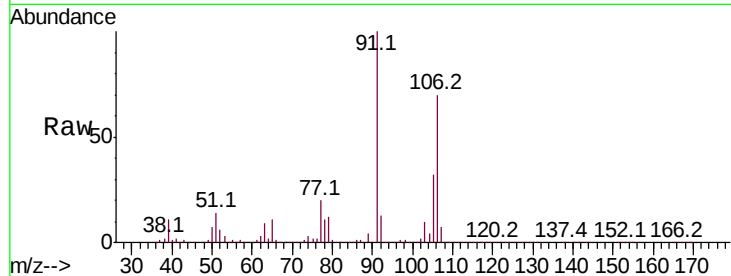




#69
o-Xylene
Concen: 8474.497 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

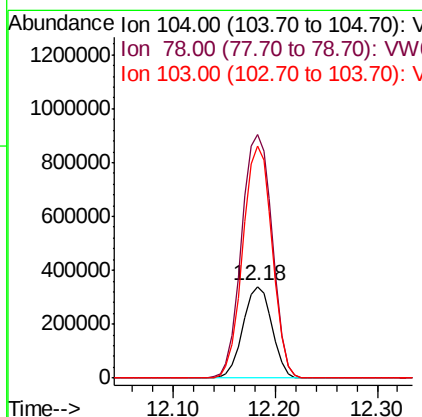
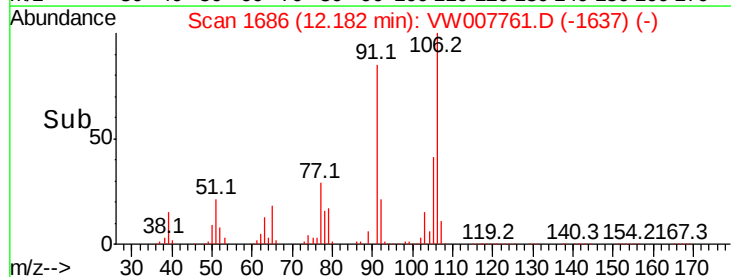
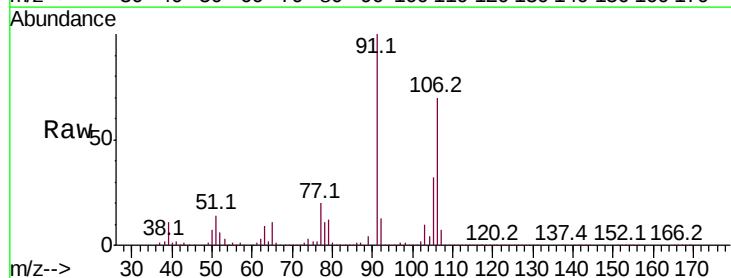
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

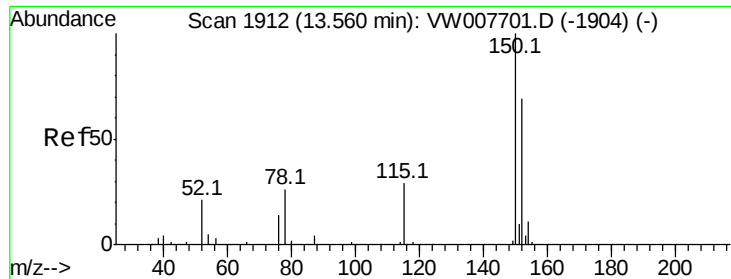
Tot Ion:106 Resp:11939337
Ion Ratio Lower Upper
106 100
91 177.1 110.5 331.4



#70
Styrene
Concen: 288.878 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion:104 Resp: 669005
Ion Ratio Lower Upper
104 100
78 281.9 43.4 65.0#
103 257.6 44.5 66.7#



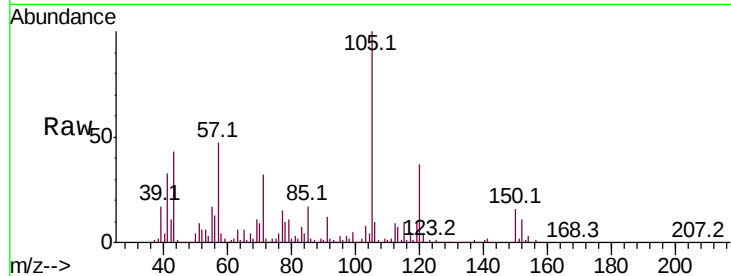


#72

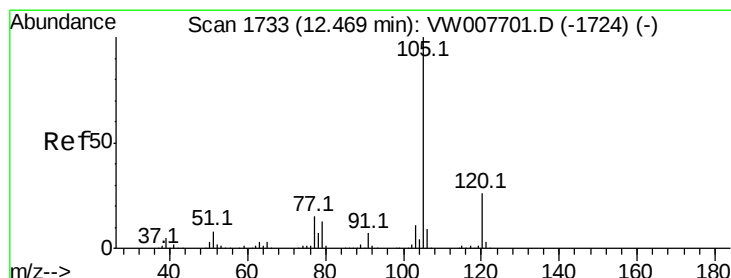
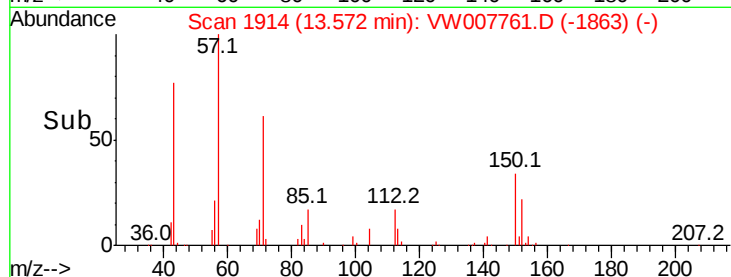
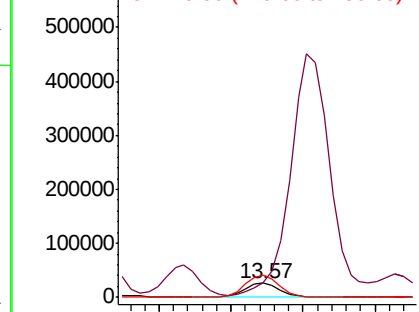
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

Tot Ion:152 Resp: 44007
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 149.7 0.0 350.8



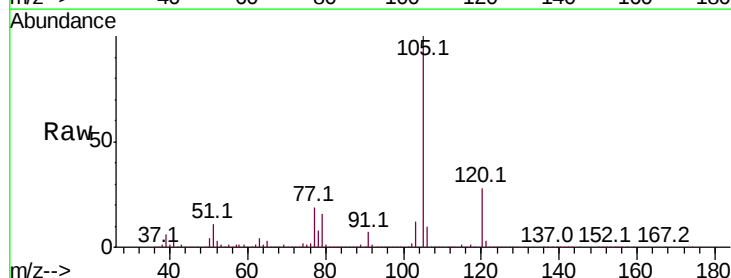
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



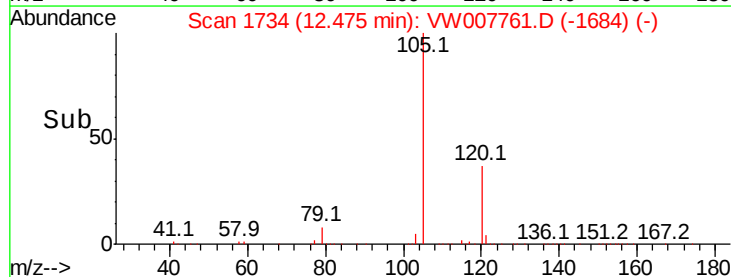
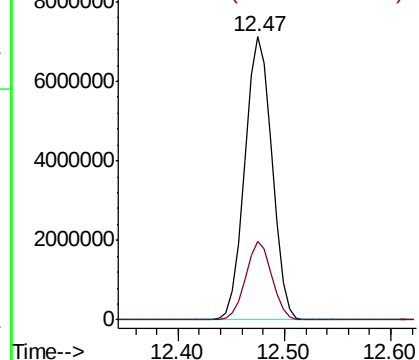
#73

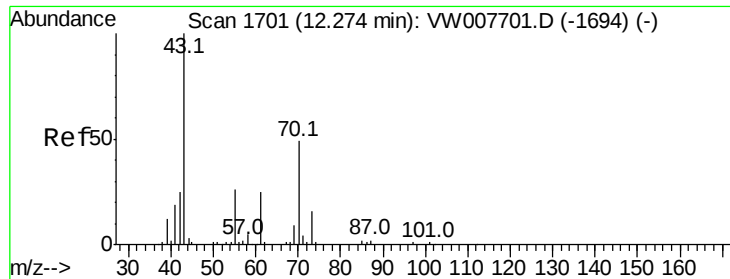
Isopropylbenzene
Concen: 3839.540 ug/l
RT: 12.47 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion:105 Resp:12771996
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3



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





#74

N-amvl acetate

Concen: 453.095 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)-FD

Tot Ion: 43 Resp: 261068

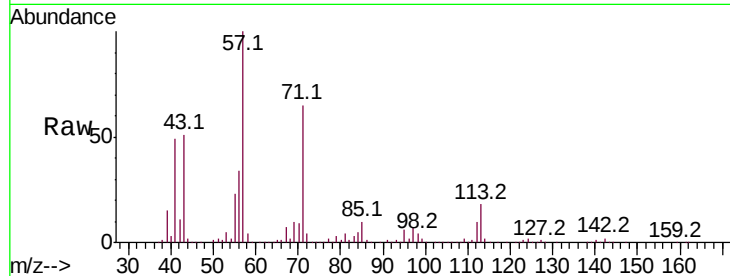
Ion Ratio Lower Upper

43 100

70 21.8 37.6 56.4#

55 19.2 21.7 32.5#

61 0.0 20.1 30.1#

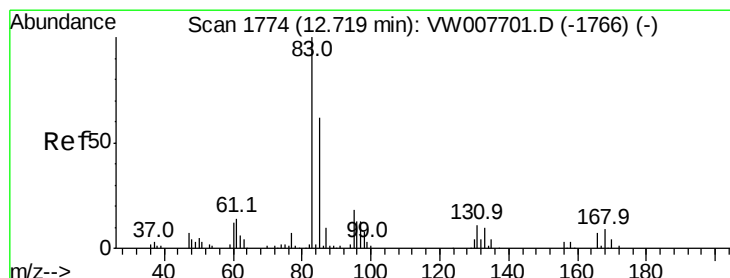
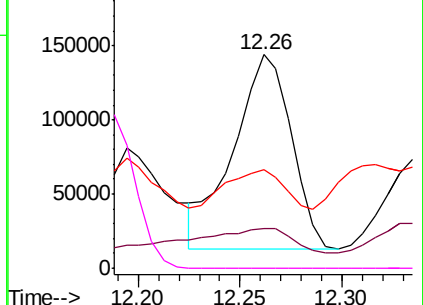
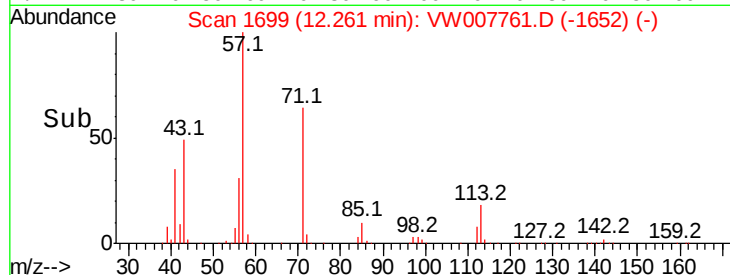


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 81.075 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

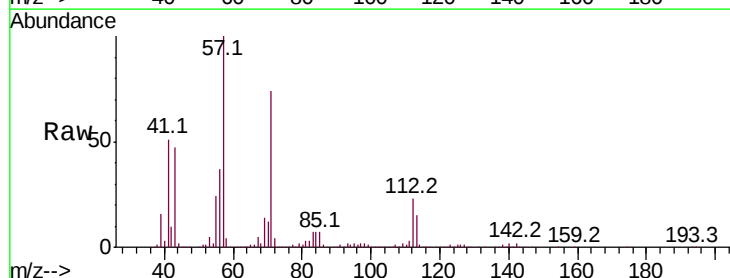
Tgt Ion: 83 Resp: 40436

Ion Ratio Lower Upper

83 100

131 0.3 6.3 18.8#

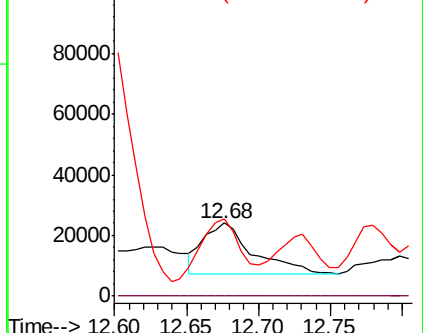
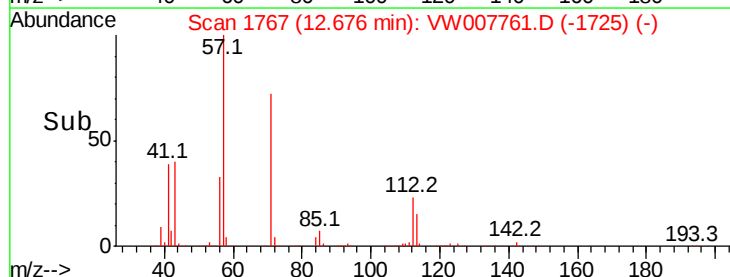
85 96.6 32.3 96.8

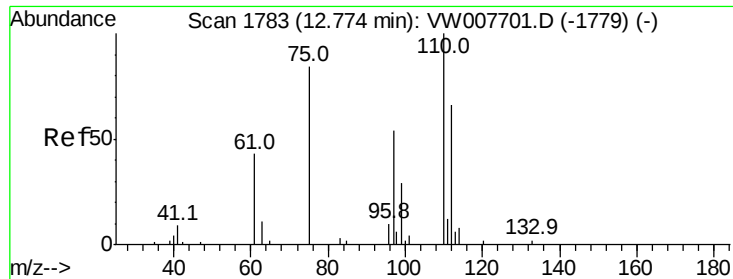


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 470.972 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.04 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

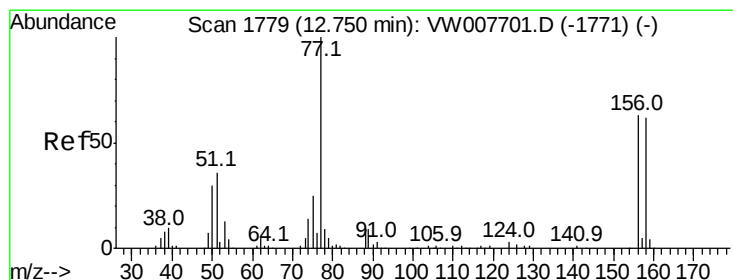
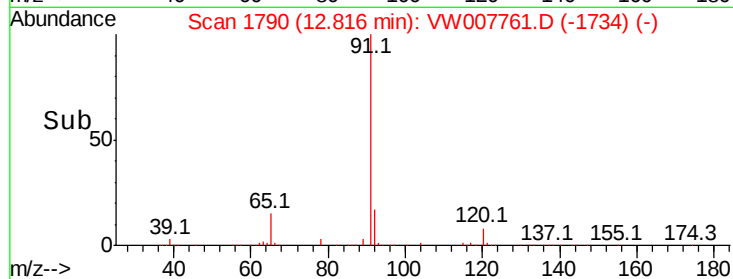
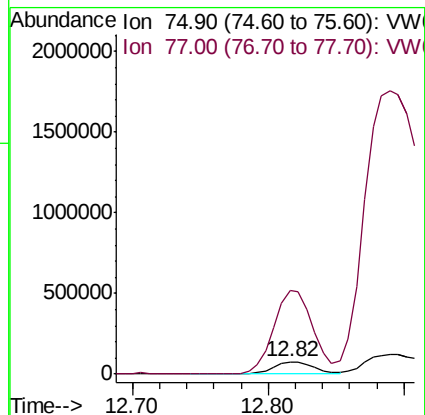
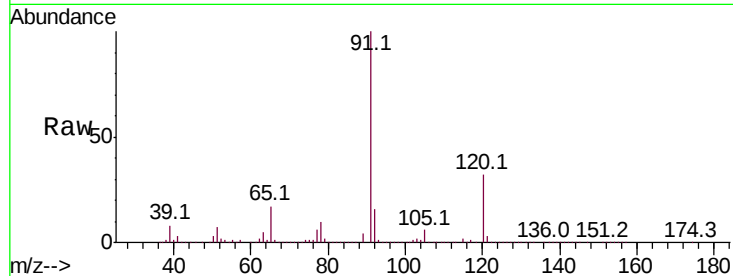
KY001SB106-121218-(20-22)-FD

Tot Ion: 75 Resp: 160193

Ion Ratio Lower Upper

75 100

77 639.6 0.0 0.0#



#77

Bromobenzene

Concen: 133.221 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

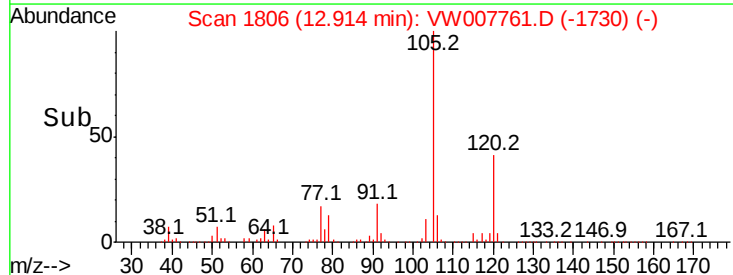
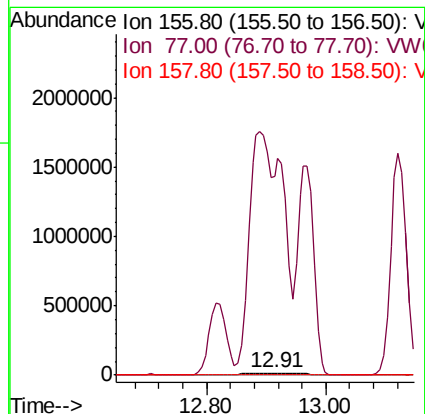
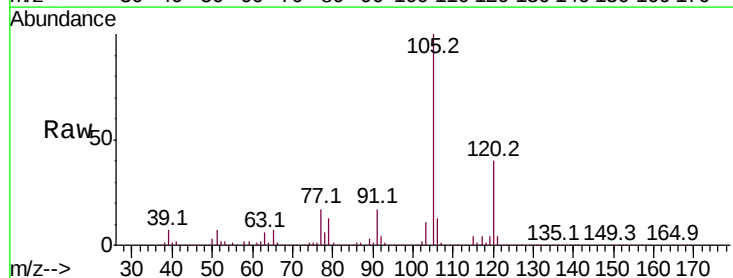
Tgt Ion:156 Resp: 101559

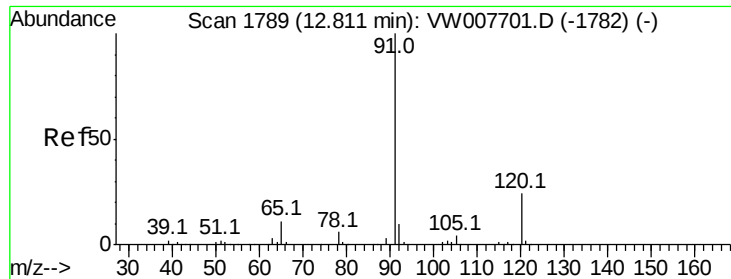
Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

158 0.4 48.4 145.0#

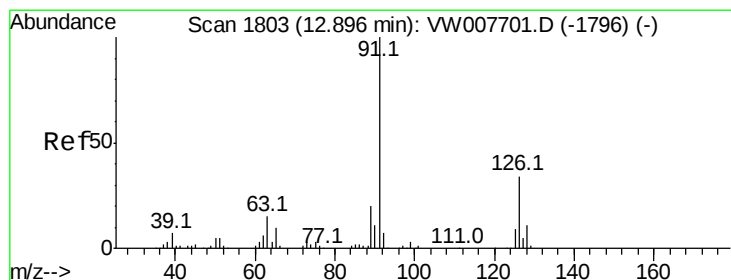
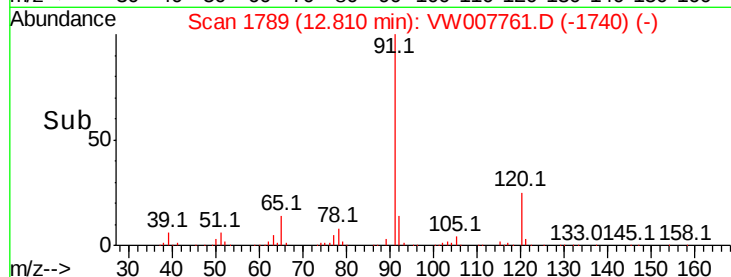
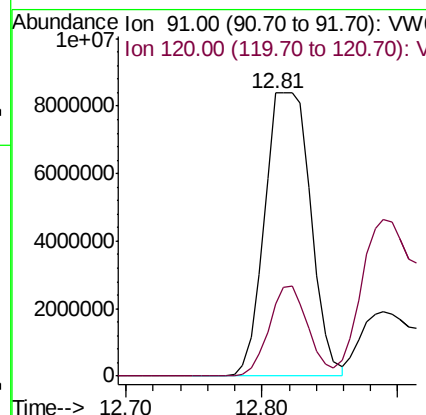
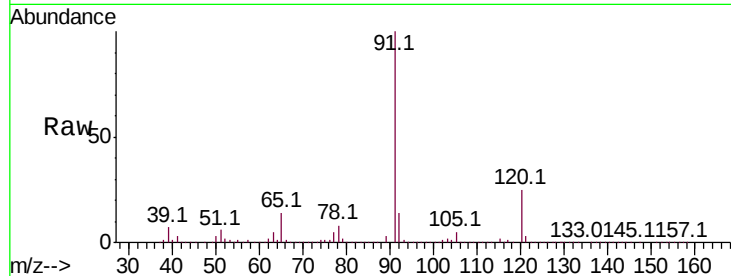




#78
n-propylbenzene
Concen: 5117.062 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

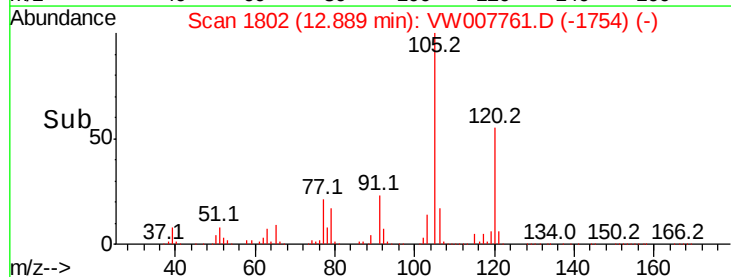
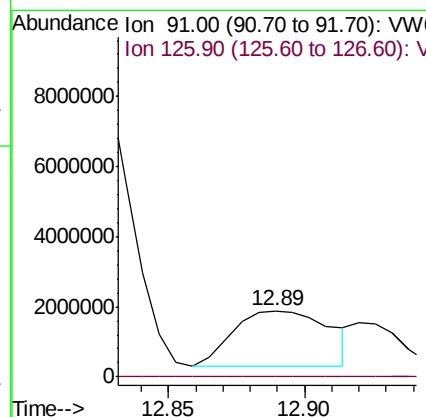
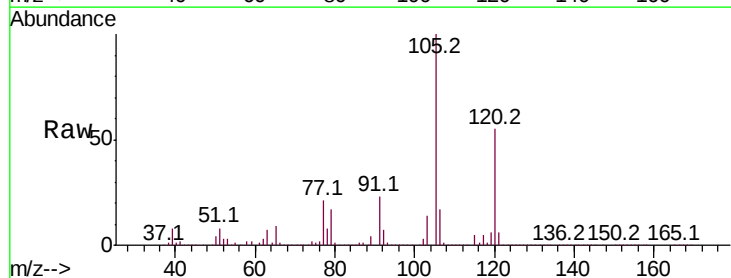
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

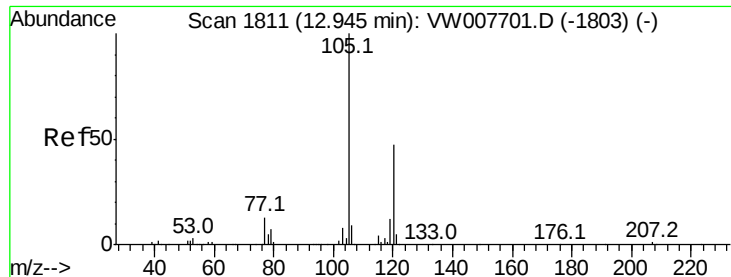
Tot Ion: 91 Resp:19814227
Ion Ratio Lower Upper
91 100
120 26.9 11.9 35.7



#79
2-Chlorotoluene
Concen: 1738.110 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 91 Resp: 3920716
Ion Ratio Lower Upper
91 100
126 0.2 17.0 51.0#

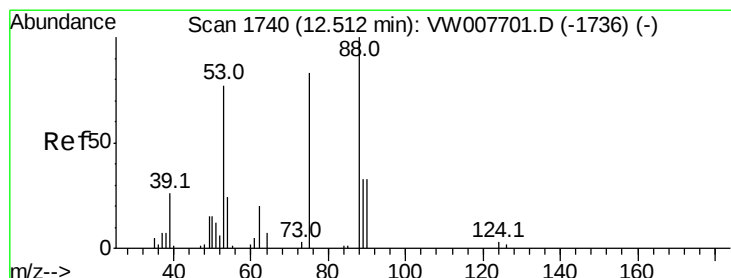
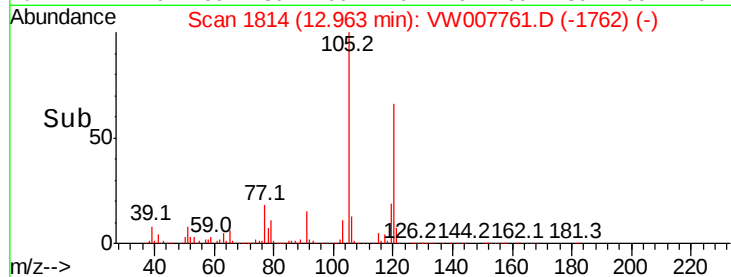
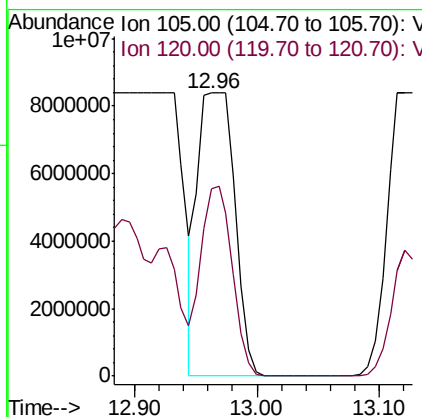
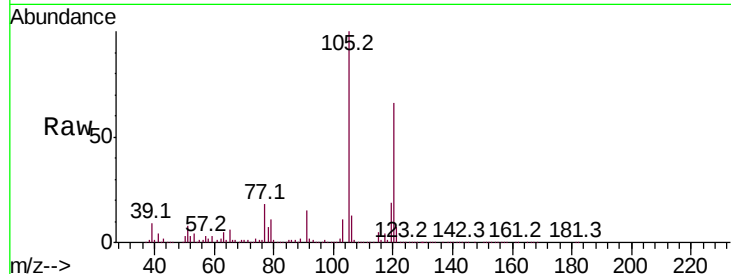




#80
 1,3,5-Trimethylbenzene
 Concen: 6170.676 ug/l
 RT: 12.96 min Scan# 1814
 Delta R.T. 0.02 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

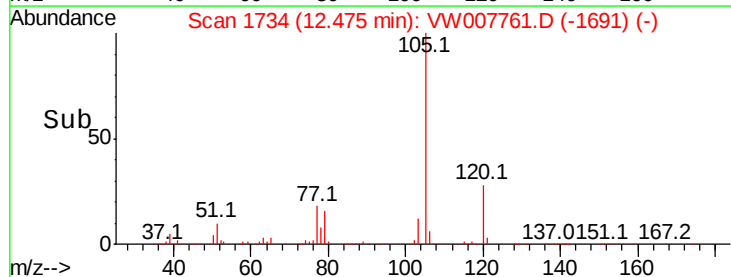
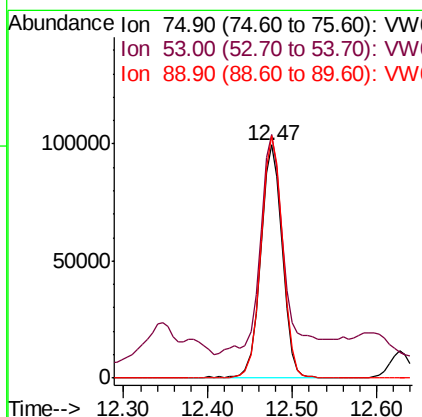
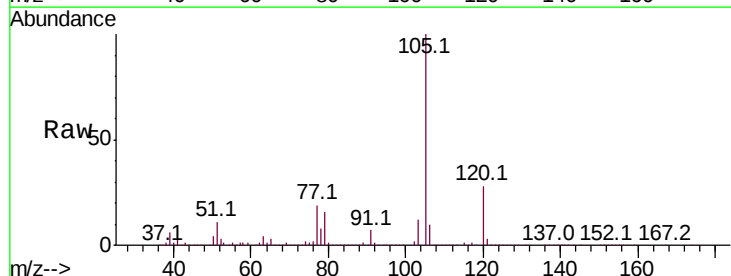
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)-FD

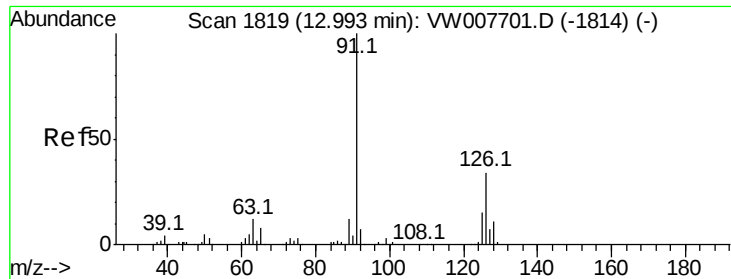
Tot Ion:105 Resp:17705475
 Ion Ratio Lower Upper
 105 100
 120 56.9 23.6 70.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1080.180 ug/l
 RT: 12.47 min Scan# 1734
 Delta R.T. -0.04 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

Tgt Ion: 75 Resp: 175032
 Ion Ratio Lower Upper
 75 100
 53 107.8 80.2 120.2
 89 104.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 978.053 ug/l

RT: 12.97 min Scan# 1815

Delta R.T. -0.02 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

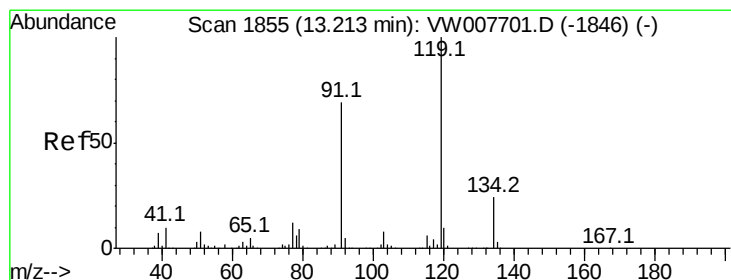
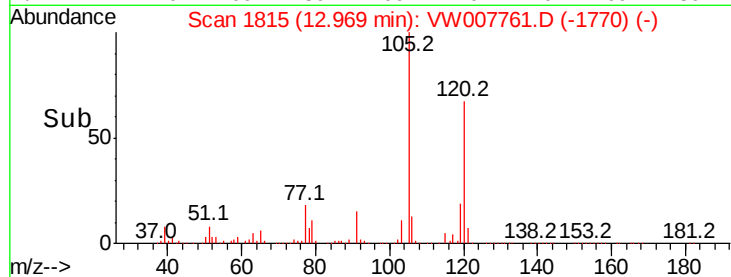
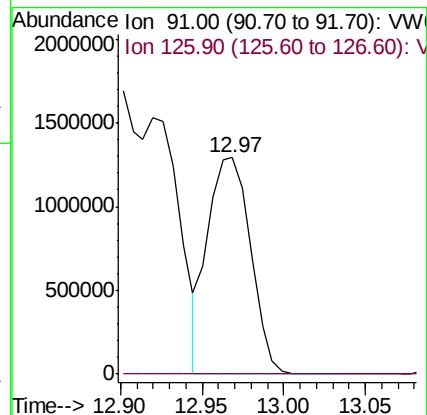
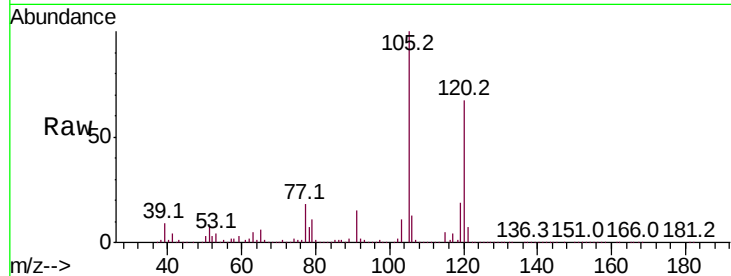
KY001SB106-121218-(20-22)-FD

Tot Ion: 91 Resp: 2349116

Ion Ratio Lower Upper

91 100

126 0.1 16.5 49.5#



#83

tert-Butylbenzene

Concen: 2504.681 ug/l

RT: 13.28 min Scan# 1866

Delta R.T. 0.07 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

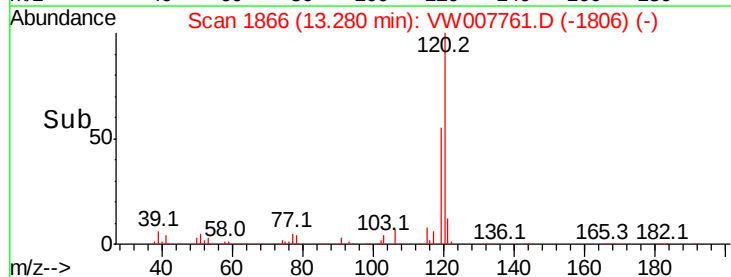
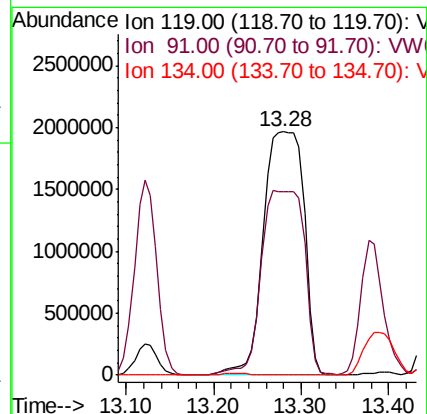
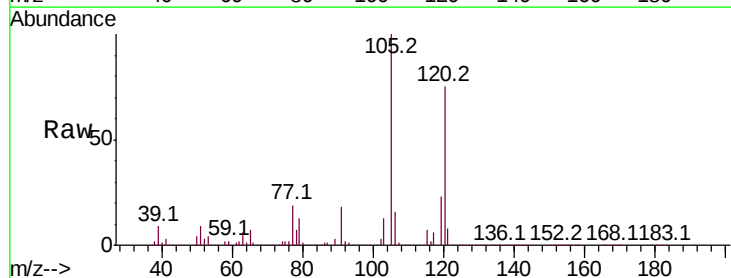
Tgt Ion: 119 Resp: 6305744

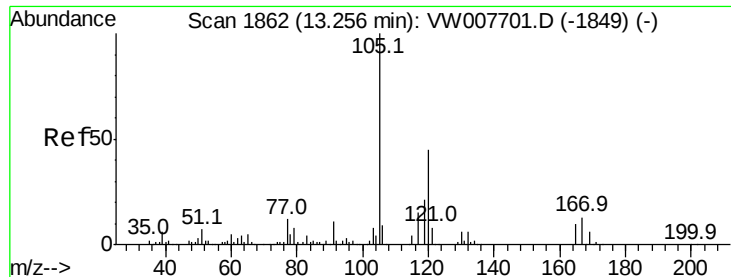
Ion Ratio Lower Upper

119 100

91 79.6 34.2 102.5

134 0.0 12.8 38.4#

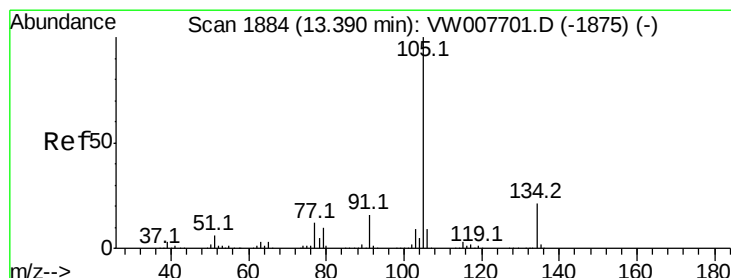
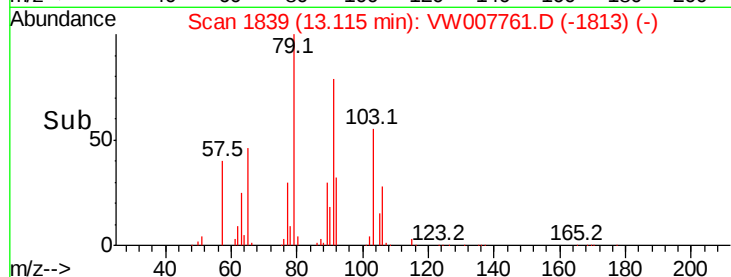
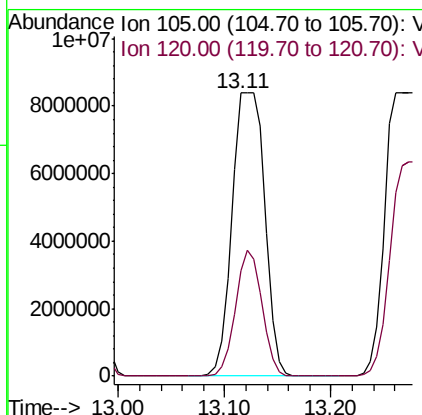
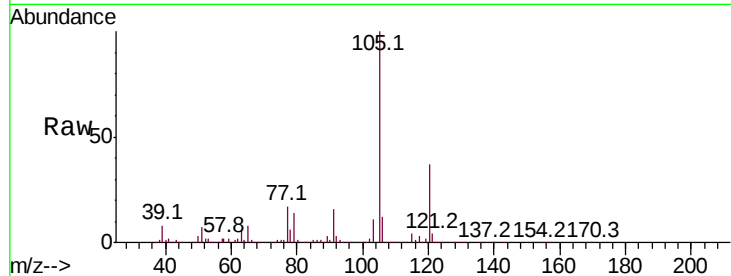




#84
 1,2,4-Trimethylbenzene
 Concen: 6231.602 ug/l
 RT: 13.11 min Scan# 1839
 Delta R.T. -0.14 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

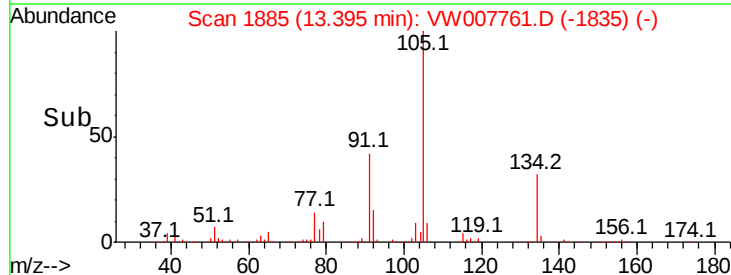
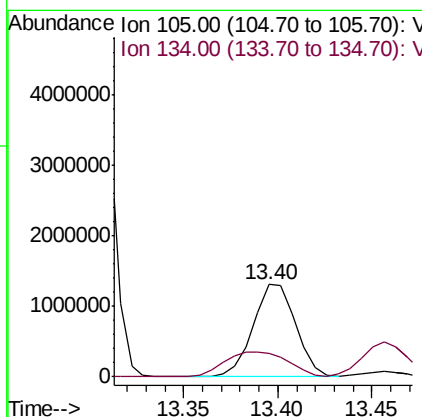
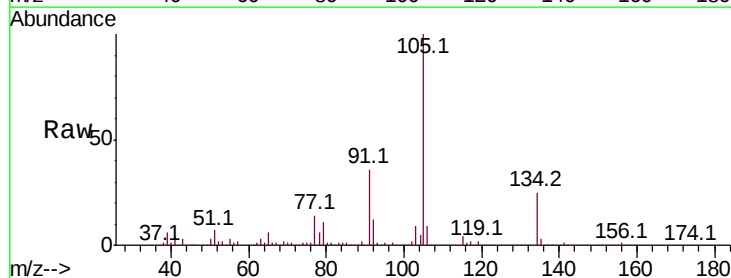
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)-FD

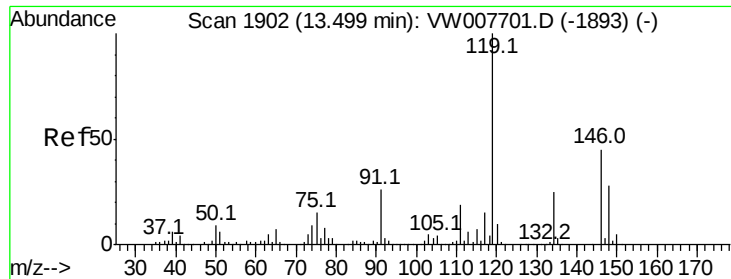
Tot Ion:105 Resp:18042208
 Ion Ratio Lower Upper
 105 100
 120 36.1 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 589.940 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW007761.D
 Acq: 20 Dec 2018 21:26

Tgt Ion:105 Resp: 2046907
 Ion Ratio Lower Upper
 105 100
 134 40.3 10.2 30.4#

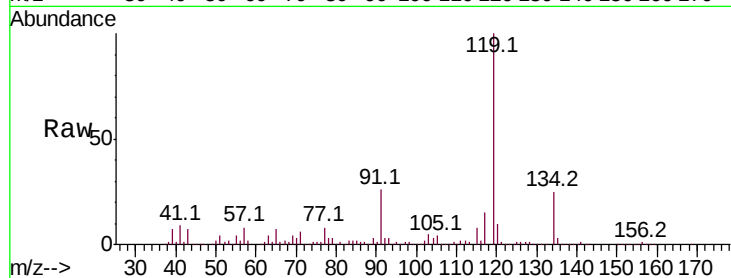




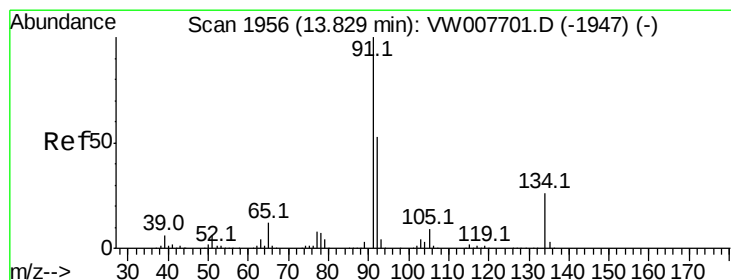
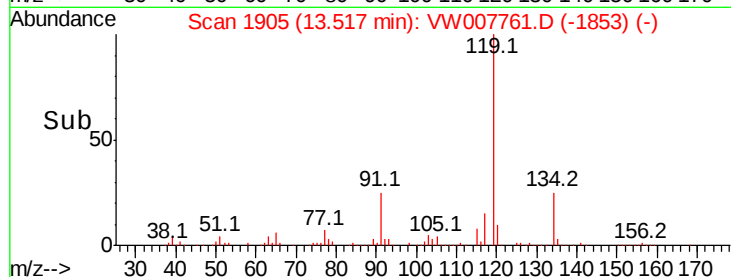
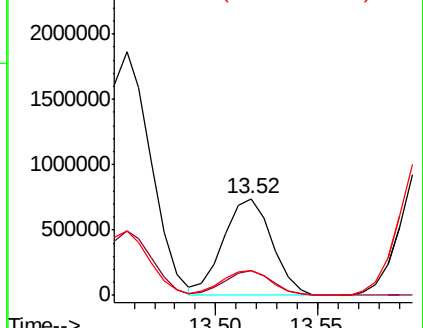
#86
p-Isopropyltoluene
Concen: 387.465 ug/l
RT: 13.52 min Scan# 1905
Delta R.T. 0.02 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

Tot Ion:119 Resp: 1222466
Ion Ratio Lower Upper
119 100
134 25.2 13.0 39.0
91 25.8 12.8 38.4

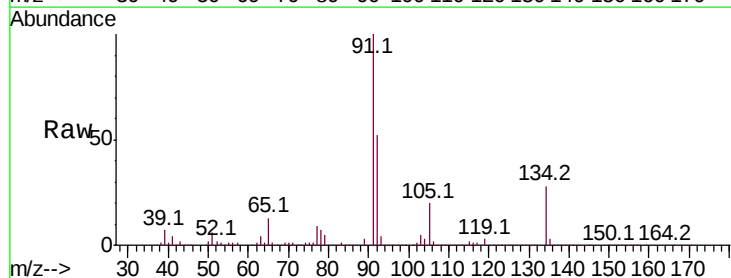


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

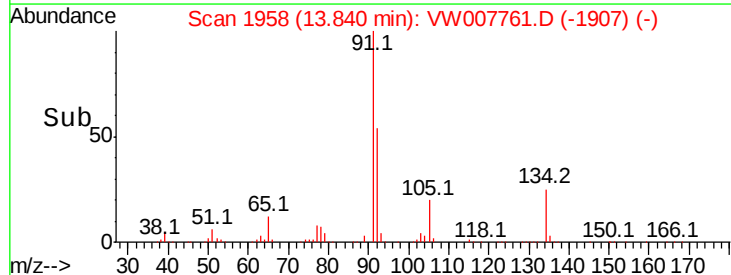
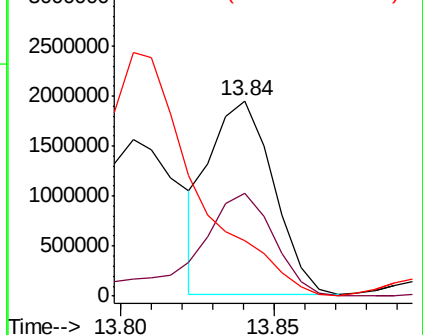


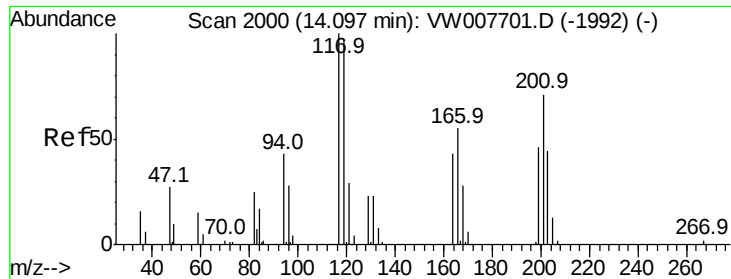
#89
n-Butylbenzene
Concen: 961.038 ug/l
RT: 13.84 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Tgt Ion: 91 Resp: 2780066
Ion Ratio Lower Upper
91 100
92 65.4 26.4 79.2
134 0.0 13.7 41.0#



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





#90

Hexachloroethane

Concen: 1965.755 ug/l

RT: 14.11 min Scan# 2003

Delta R.T. 0.02 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

Instrument :

MSVOA_W

ClientSampleId :

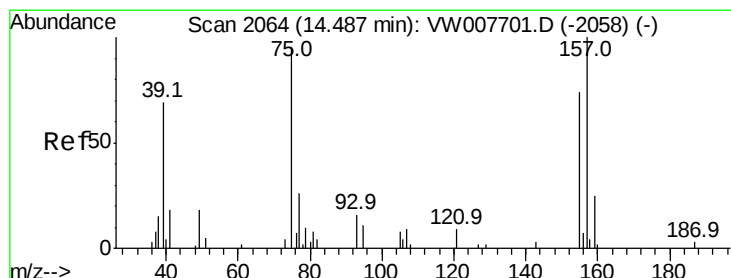
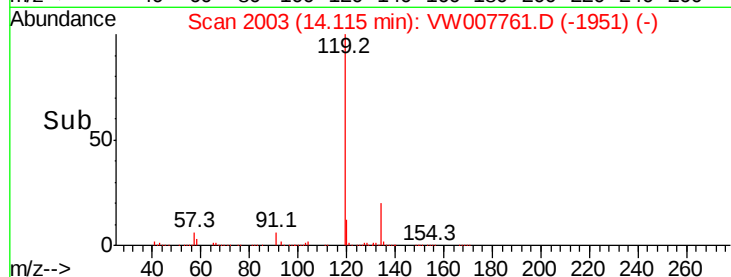
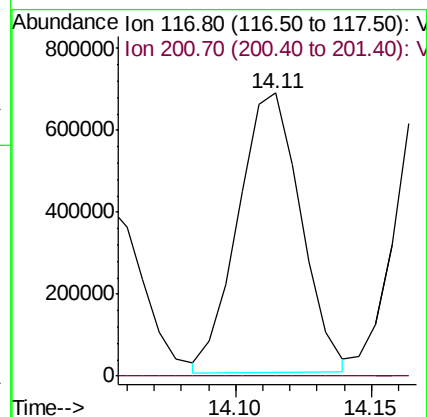
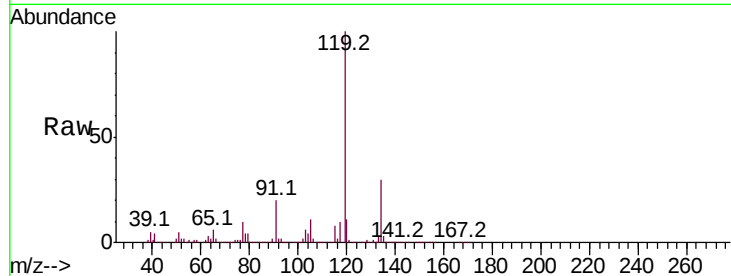
KY001SB106-121218-(20-22)-FD

Tot Ion:117 Resp: 1088833

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 607.414 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW007761.D

Acq: 20 Dec 2018 21:26

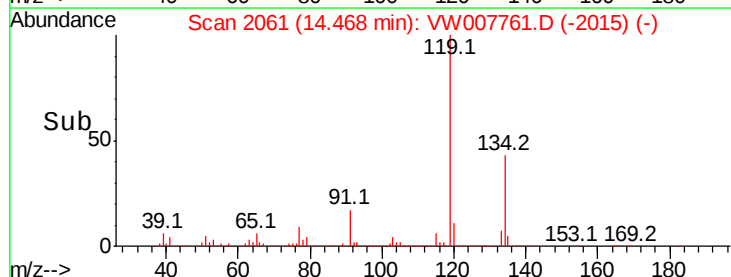
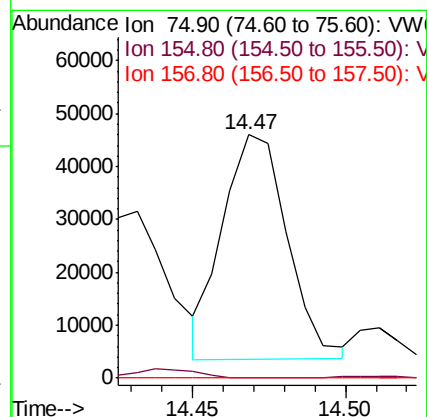
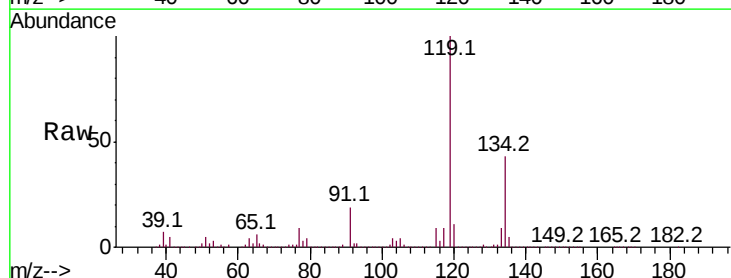
Tgt Ion: 75 Resp: 62214

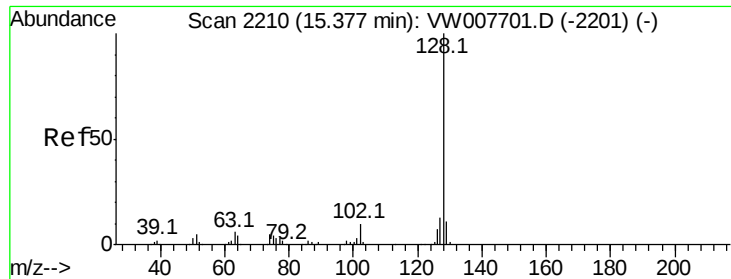
Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#





#95
Naphthalene
Concen: 5038.181 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW007761.D
Acq: 20 Dec 2018 21:26

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)-FD

Tot Ion:128 Resp: 8762429
Ion Ratio Lower Upper
128 100
127 14.3 10.7 16.1
129 11.4 8.8 13.2

