

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007762.D
 Acq On : 20 Dec 2018 21:52
 Operator : SY/AP
 Sample : J6392-22
 Misc : 7.53G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(22-24)

Quant Time: Dec 21 03:57:19 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	79813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	136353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50439	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	29927	34.21	ug/l	0.00
Spiked Amount			Recovery	=	68.42%	
35) Dibromofluoromethane	7.88	113	27061	32.53	ug/l	0.00
Spiked Amount			Recovery	=	65.06%	
50) Toluene-d8	10.33	98	247777	79.01	ug/l	0.00
Spiked Amount			Recovery	=	158.02%	
62) 4-Bromofluorobenzene	12.62	95	76704	63.32	ug/l	0.00
Spiked Amount			Recovery	=	126.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	2261	38.315	ug/l #	73
13) Acrolein	3.84	56	1715	36.348	ug/l #	1
14) Allyl chloride	4.76	41	4658	4.511	ug/l #	74
15) Acrylonitrile	5.44	53	32953	218.429	ug/l #	40
16) Acetone	4.11	43	39848	243.254	ug/l #	75
17) Carbon Disulfide	4.37	76	3689	1.514	ug/l #	75
19) Methyl tert-butyl Ether	5.43	73	19103	16.898	ug/l #	1
20) Methylene Chloride	4.92	84	3482	Below Cal	#	1
23) Vinyl Acetate	6.29	43	6821	5.938	ug/l #	69
24) 1,1-Dichloroethane	6.29	63	3101	2.180	ug/l #	81
25) 2-Butanone	7.17	43	40866	212.986	ug/l #	52
26) 2,2-Dichloropropane	6.99	77	10147	9.748	ug/l #	53
29) Tetrahydrofuran	7.52	42	1967	17.187	ug/l #	27
30) Chloroform	7.63	83	111522	69.278	ug/l #	18
31) Cyclohexane	7.94	56	1422481	1092.348	ug/l #	54
37) Ethyl Acetate	7.17	43	40866	89.976	ug/l #	68
38) Carbon Tetrachloride	7.95	117	8863	5.718	ug/l #	14
39) Methylcyclohexane	9.34	83	4022659	2459.838	ug/l #	86
40) Benzene	8.32	78	1238860	352.764	ug/l	100
41) Methacrylonitrile	7.52	41	18639	72.282	ug/l #	49
42) 1,2-Dichloroethane	8.45	62	5788	4.918	ug/l #	1
43) Isopropyl Acetate	8.51	43	5934901	6522.276	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	61834	79.351	ug/l #	1
46) Dibromomethane	9.41	93	8532	17.787	ug/l #	1
47) Bromodichloromethane	9.63	83	224538	178.056	ug/l #	43
48) Methyl methacrylate	9.48	41	255711	562.990	ug/l #	23
49) 1,4-Dioxane	9.34	88	46	6.049	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	587891	1367.070	ug/l #	76
52) Toluene	10.40	92	119363	50.659	ug/l	98
55) 1,1,2-Trichloroethane	10.77	97	973026	1471.414	ug/l #	26
56) Ethyl methacrylate	10.69	69	188800	241.644	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	27090	75.941	ug/l #	42
59) 2-Hexanone	10.95	43	724385	2395.199	ug/l #	30
60) Dibromochloromethane	11.05	129	5781	6.602	ug/l	74

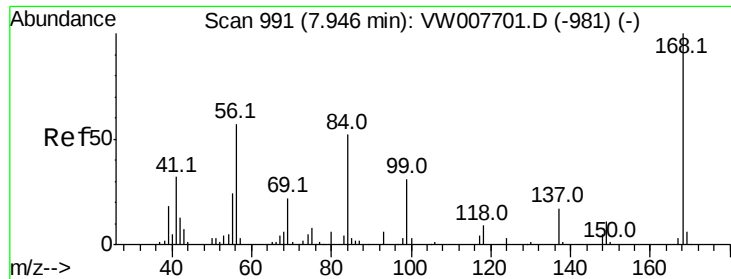
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.21	107	4293	6.411	ug/l #	1
65) Chlorobenzene	11.79	112	10659	4.231	ug/l #	43
67) Ethyl Benzene	11.74	91	21316140	4930.606	ug/l #	74
68) m/p-Xylenes	11.86	106	11547217	6885.459	ug/l	82
69) o-Xylene	12.18	106	10737415	6830.358	ug/l	77
70) Styrene	12.18	104	600009	232.195	ug/l #	1
73) Isopropylbenzene	12.48	105	9735619	2553.520	ug/l	100
74) N-amyl acetate	12.26	43	272781	413.053	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.67	83	20691	36.196	ug/l #	1
76) 1,2,3-Trichloropropane	12.82	75	111316	285.538	ug/l #	100
77) Bromobenzene	12.93	156	129342	148.029	ug/l #	1
78) n-propylbenzene	12.82	91	15212822	3427.746	ug/l	99
79) 2-Chlorotoluene	12.88	91	1596266	617.408	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.96	105	14975867	4553.784	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.48	75	131295	706.940	ug/l #	58
82) 4-Chlorotoluene	12.96	91	1794430	651.838	ug/l #	42
83) tert-Butylbenzene	13.27	119	5235122	1814.254	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.12	105	14724469	4437.158	ug/l	81
85) sec-Butylbenzene	13.40	105	1582216	397.861	ug/l #	56
86) p-Isopropyltoluene	13.51	119	982191	271.611	ug/l	99
89) n-Butylbenzene	13.83	91	2160970	651.763	ug/l #	67
90) Hexachloroethane	14.11	117	881746	1388.887	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.47	75	48889	416.450	ug/l #	3
95) Naphthalene	15.38	128	7171796	3597.762	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: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

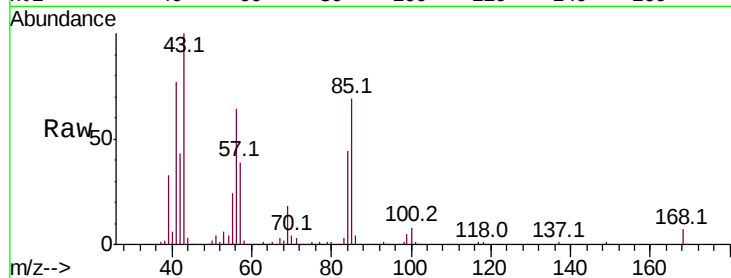
KY001SB106-121218-(22-24)

Tot Ion:168 Resp: 79813

Ion Ratio Lower Upper

168 100

99 66.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

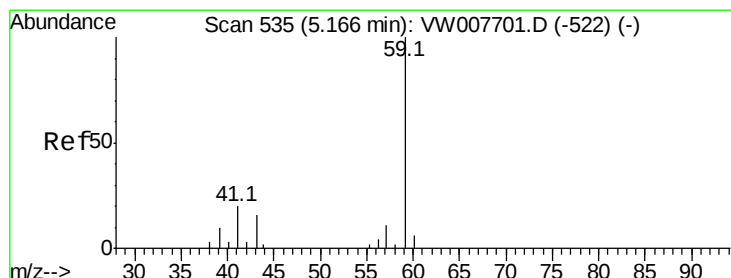
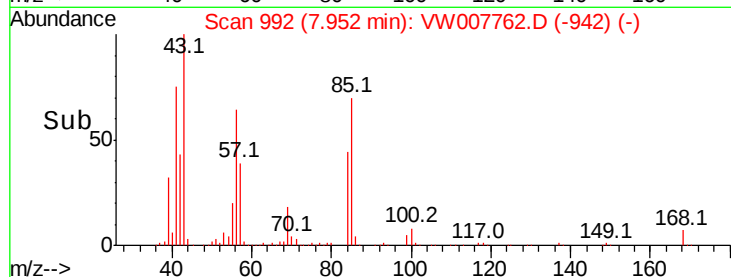
20000

10000

0

7.80 7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 38.315 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007762.D

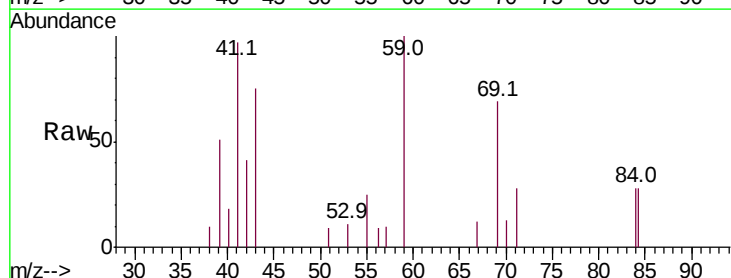
Acq: 20 Dec 2018 21:52

Tgt Ion: 59 Resp: 2261

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

4000

3000

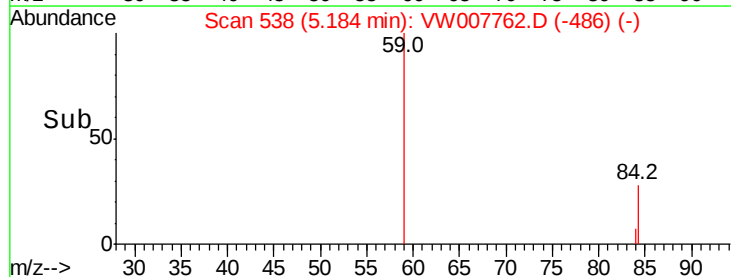
2000

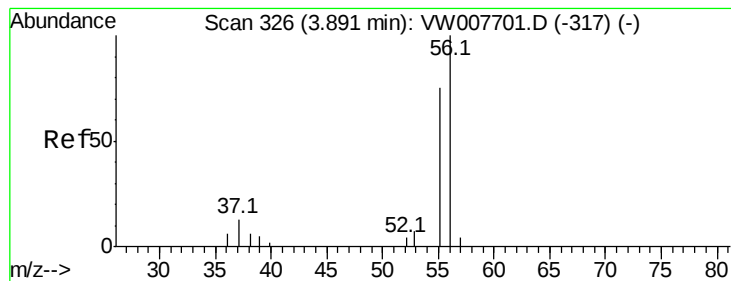
1000

0

5.10 5.20 5.30

Time-->





#13

Acrolein

Concen: 36.348 ug/l

RT: 3.84 min Scan# 317

Delta R.T. -0.05 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

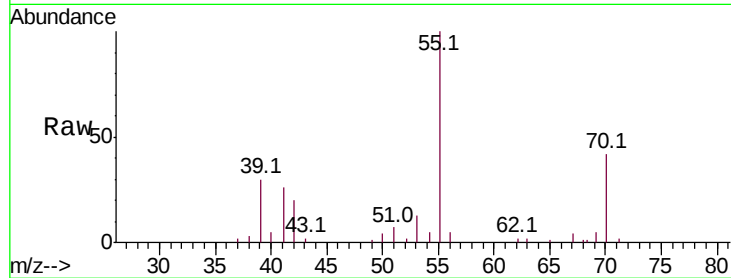
KY001SB106-121218-(22-24)

Tot Ion: 56 Resp: 1715

Ion Ratio Lower Upper

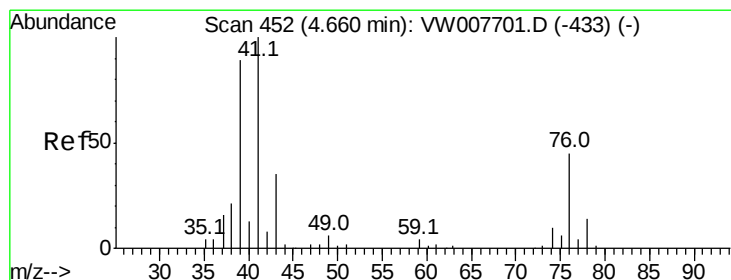
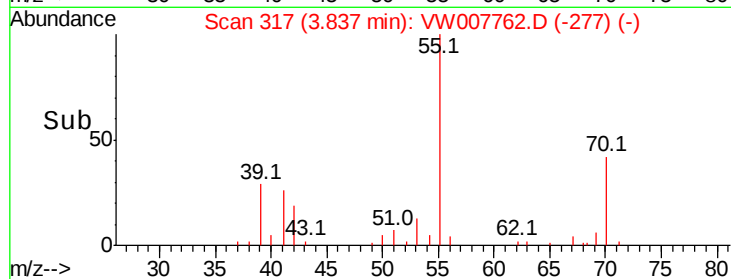
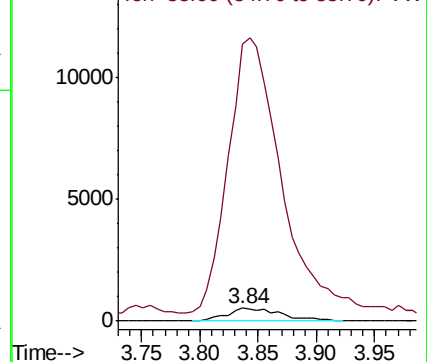
56 100

55 2159.6 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.511 ug/l

RT: 4.76 min Scan# 469

Delta R.T. 0.10 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

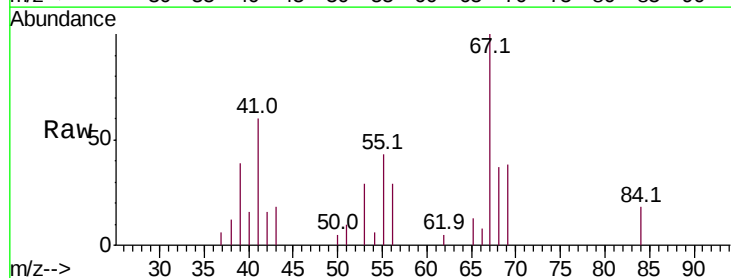
Tgt Ion: 41 Resp: 4658

Ion Ratio Lower Upper

41 100

39 91.7 69.5 104.3

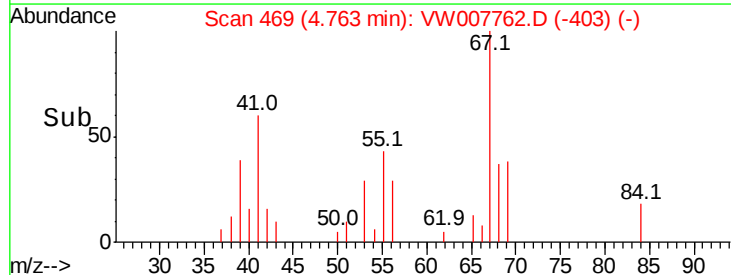
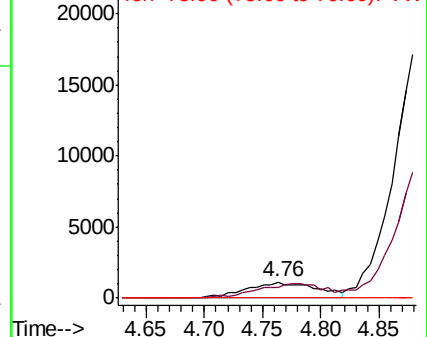
76 0.0 34.8 52.2#

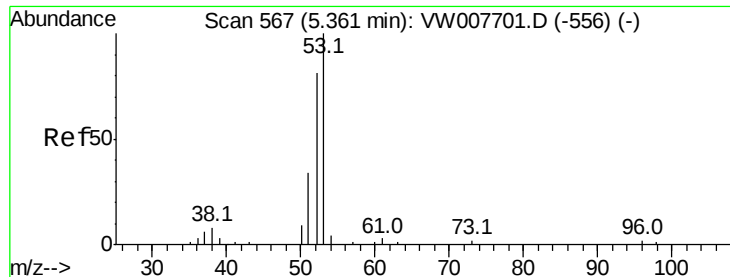


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 218.429 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.08 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

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ClientSampleId :

KY001SB106-121218-(22-24)

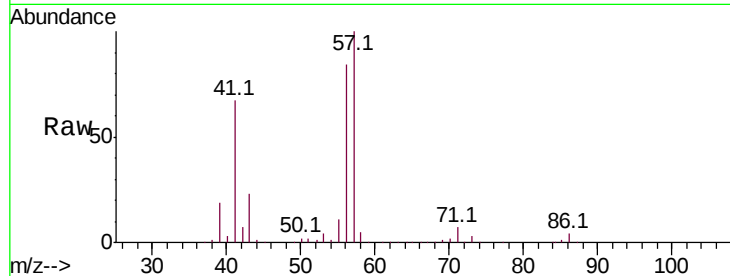
Tot Ion: 53 Resp: 32953

Ion Ratio Lower Upper

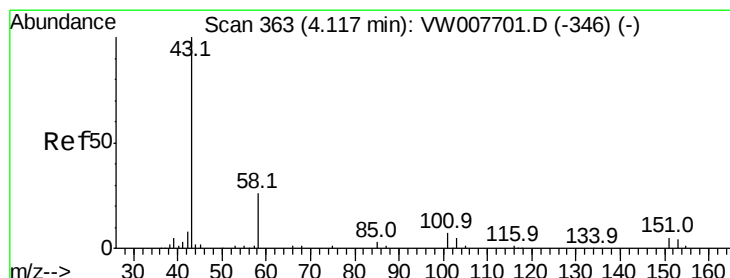
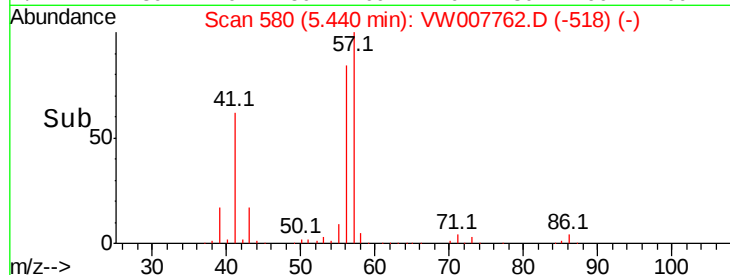
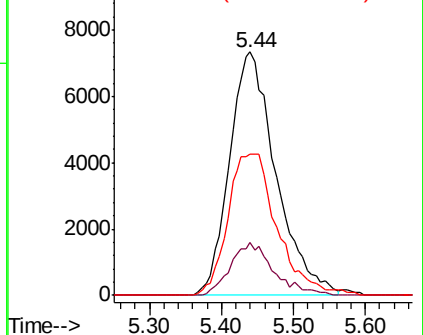
53 100

52 20.1 67.0 100.4#

51 60.8 30.2 45.2#



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



#16

Acetone

Concen: 243.254 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007762.D

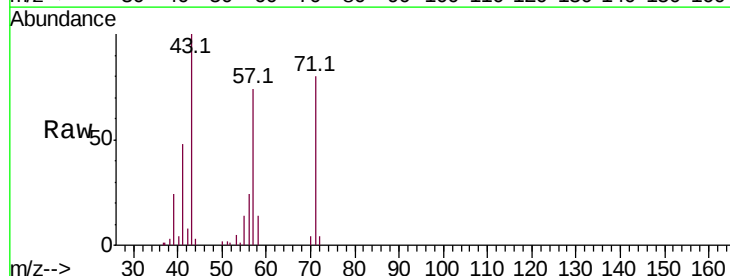
Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 39848

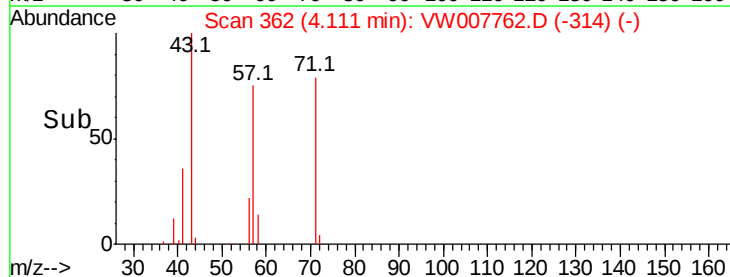
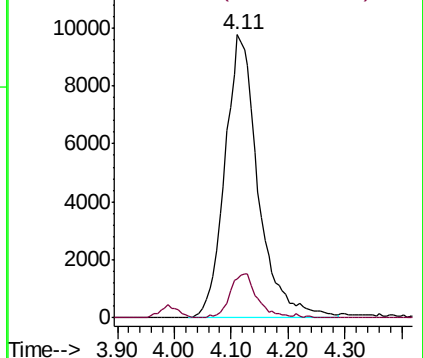
Ion Ratio Lower Upper

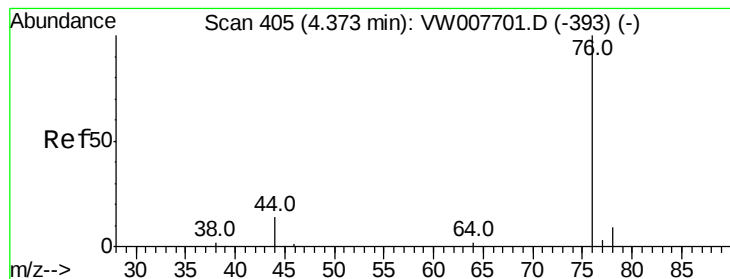
43 100

58 13.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.514 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

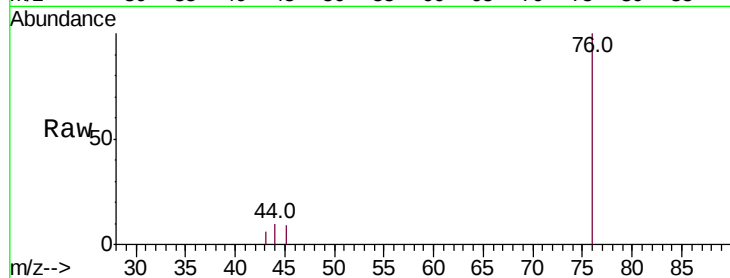
KY001SB106-121218-(22-24)

Tot Ion: 76 Resp: 3689

Ion Ratio Lower Upper

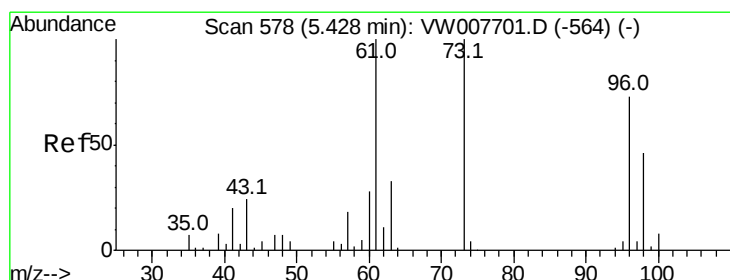
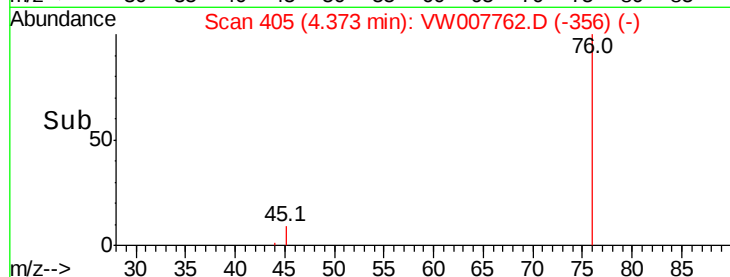
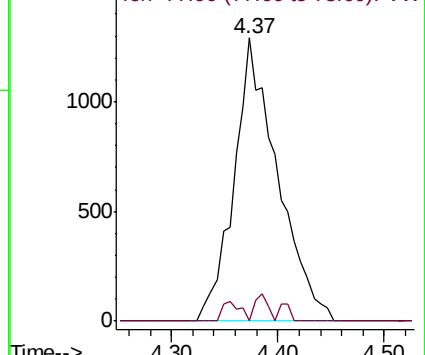
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#19

Methyl tert-butyl Ether

Concen: 16.898 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007762.D

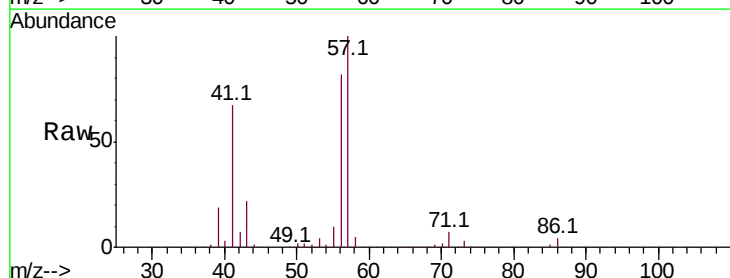
Acq: 20 Dec 2018 21:52

Tgt Ion: 73 Resp: 19103

Ion Ratio Lower Upper

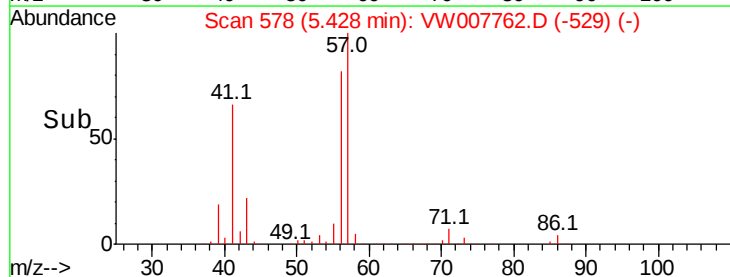
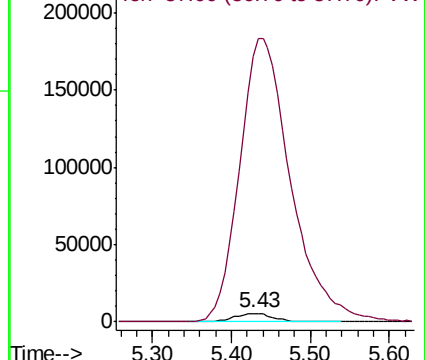
73 100

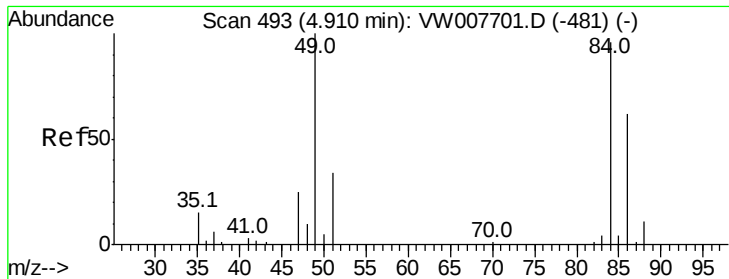
57 3182.9 14.7 22.1#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tot Ion: 84 Resp: 3482

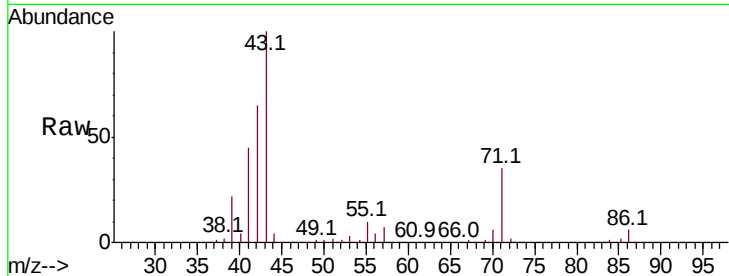
Ion Ratio Lower Upper

84 100

49 114.6 83.7 125.5

51 201.4 28.2 42.2#

86 546.2 52.2 78.2#

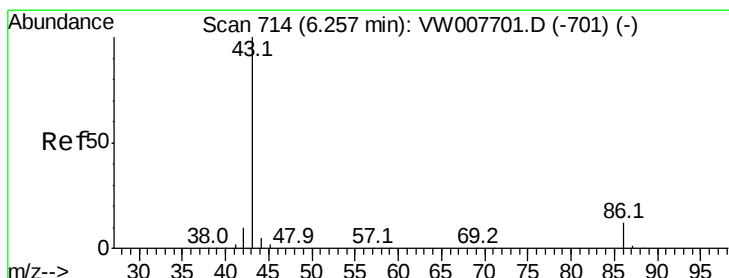
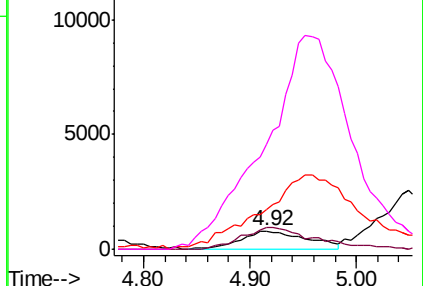
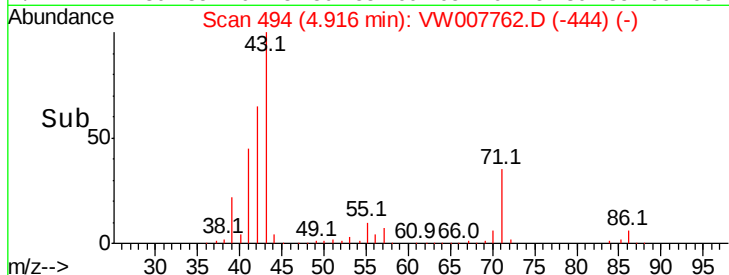


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#23

Vinyl Acetate

Concen: 5.938 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.03 min

Lab File: VW007762.D

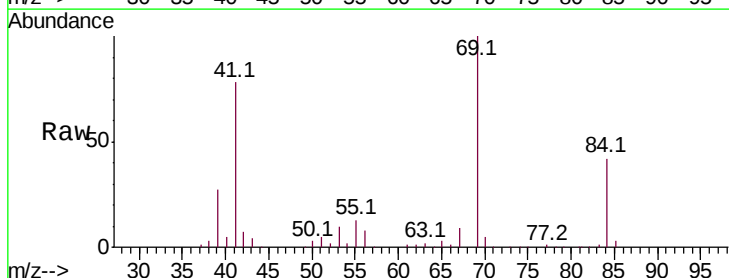
Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 6821

Ion Ratio Lower Upper

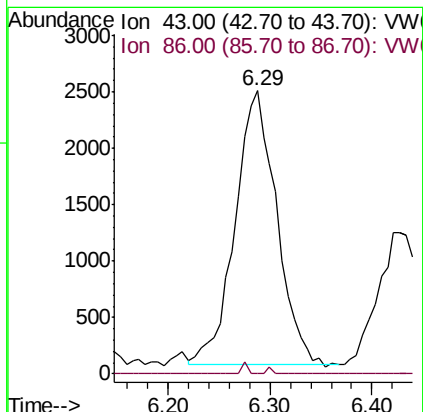
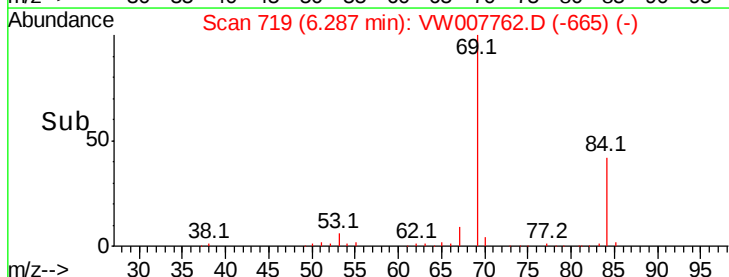
43 100

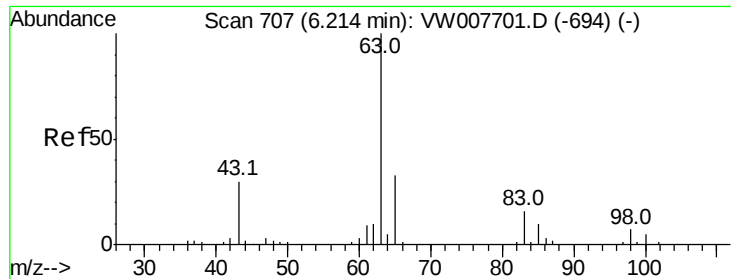
86 0.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 2.180 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.07 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

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MSVOA_W

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KY001SB106-121218-(22-24)

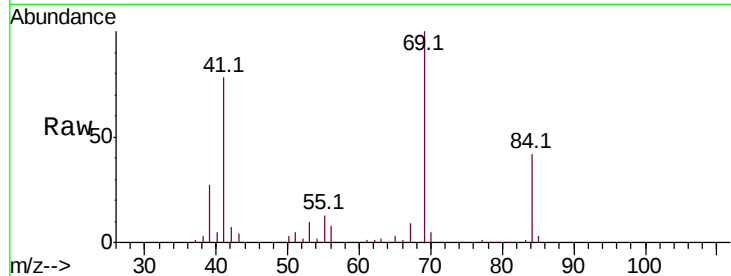
Tot Ion: 63 Resp: 3101

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

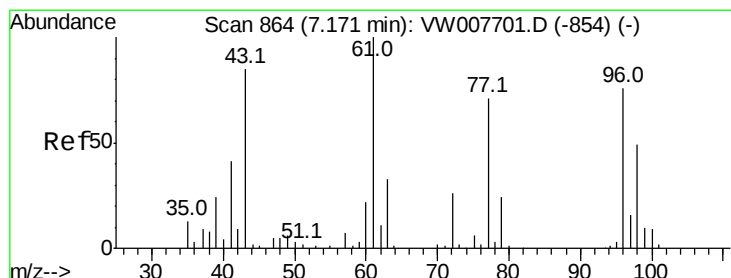
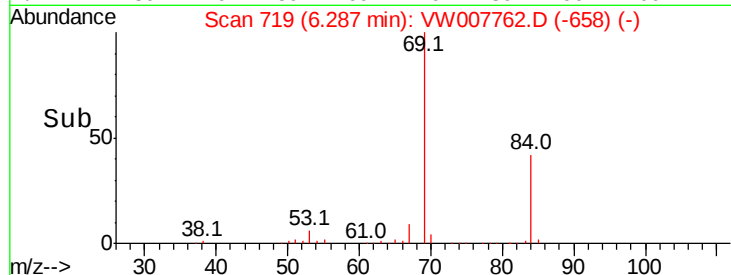
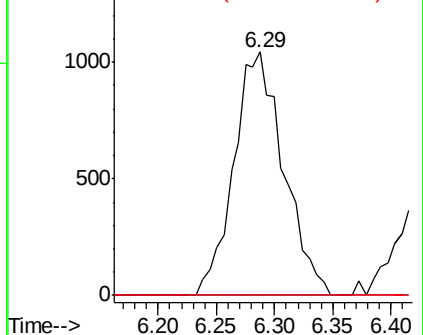
100 0.0 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 212.986 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007762.D

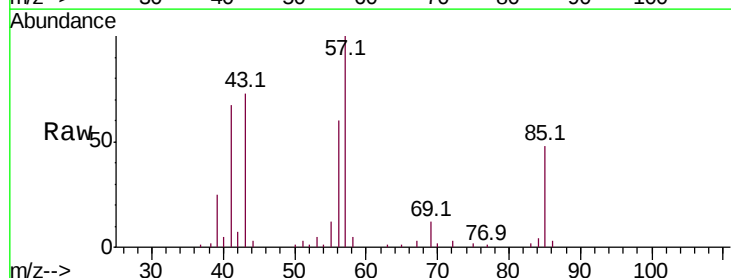
Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 40866

Ion Ratio Lower Upper

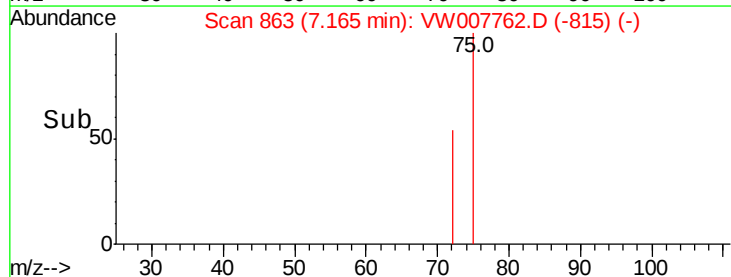
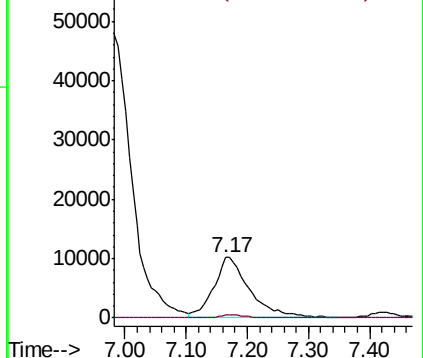
43 100

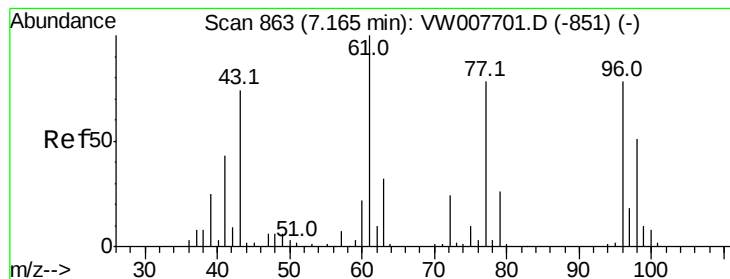
72 4.3 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 9.748 ug/l

RT: 6.99 min Scan# 834

Delta R.T. -0.18 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

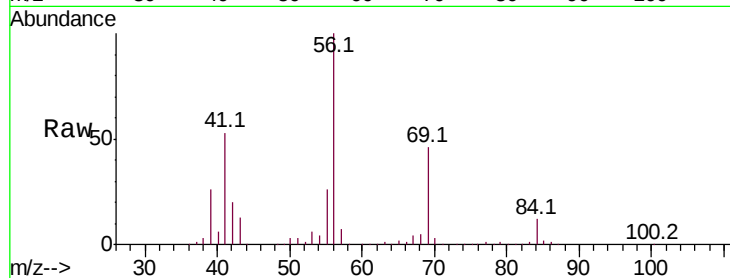
KY001SB106-121218-(22-24)

Tot Ion: 77 Resp: 10147

Ion Ratio Lower Upper

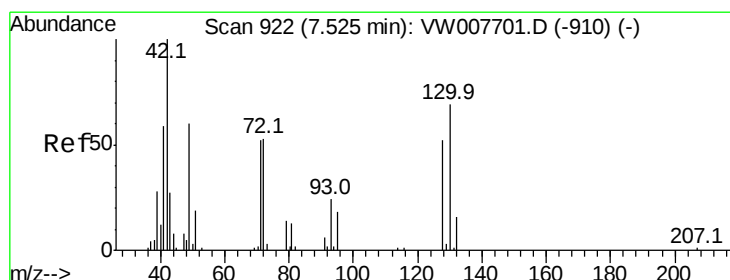
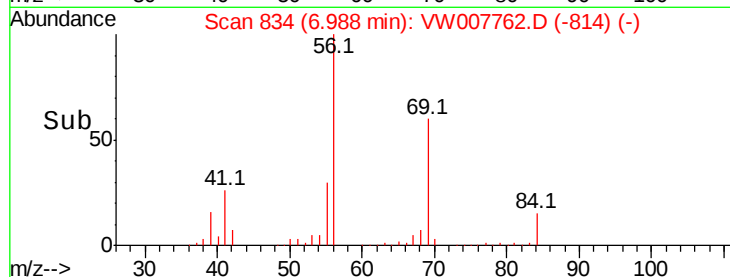
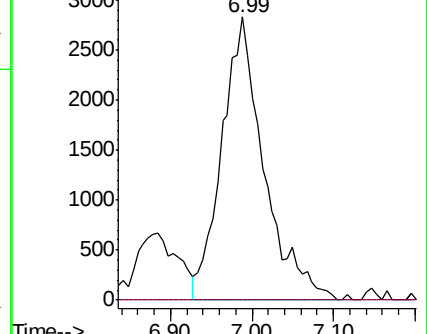
77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 17.187 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

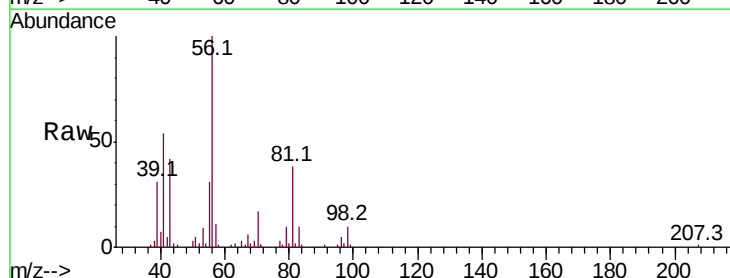
Tgt Ion: 42 Resp: 1967

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

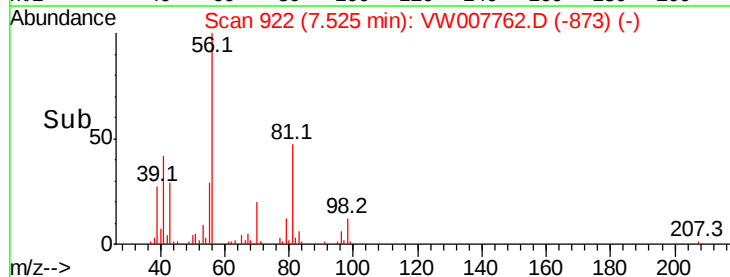
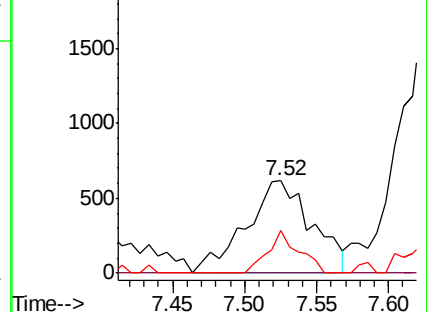
71 0.0 39.0 58.6#

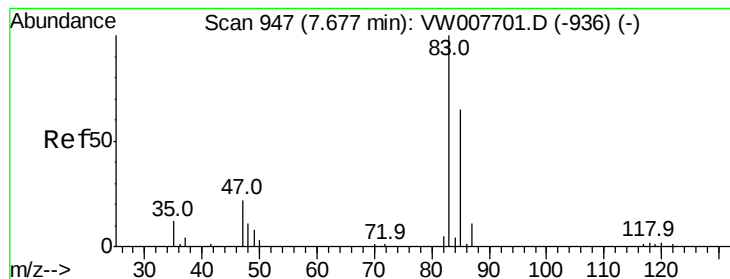


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#30

Chloroform

Concen: 69.278 ug/l

RT: 7.63 min Scan# 940

Delta R.T. -0.04 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

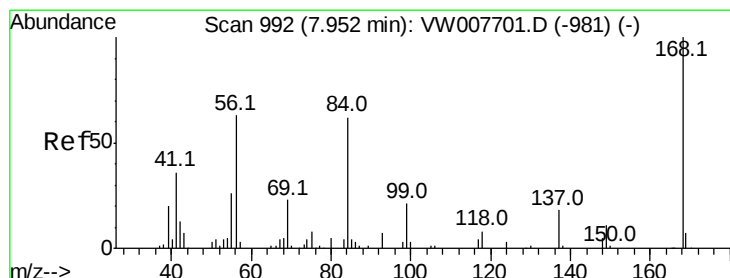
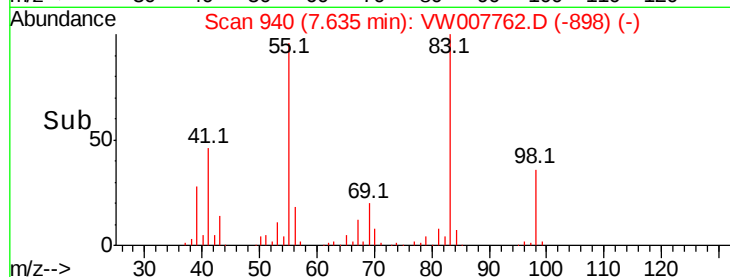
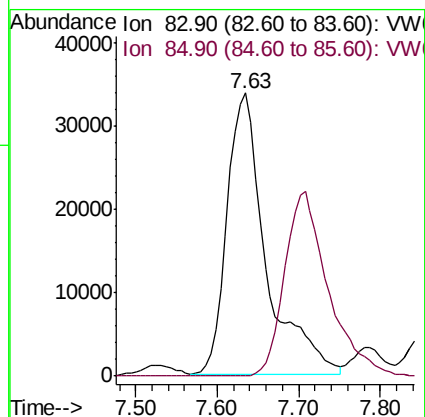
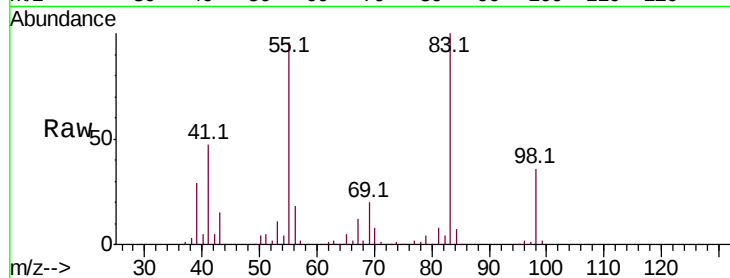
KY001SB106-121218-(22-24)

Tot Ion: 83 Resp: 111522

Ion Ratio Lower Upper

83 100

85 0.3 52.2 78.2#



#31

Cyclohexane

Concen: 1092.348 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

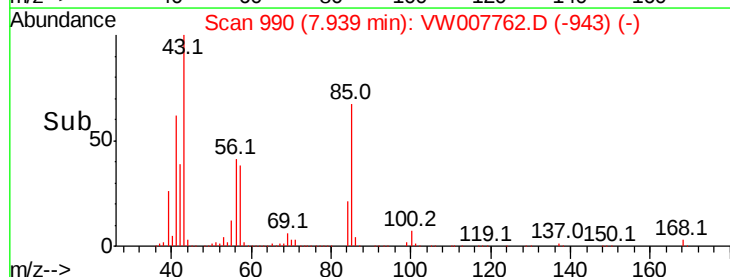
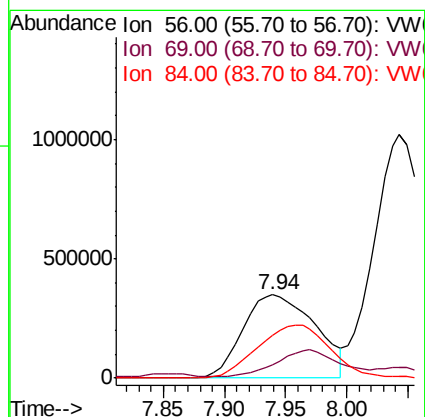
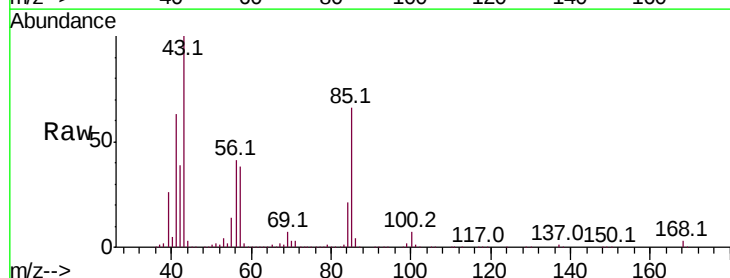
Tgt Ion: 56 Resp: 1422481

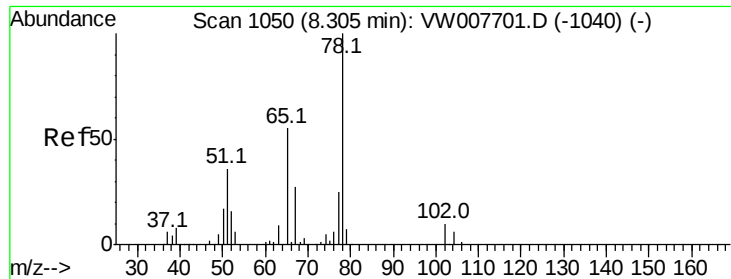
Ion Ratio Lower Upper

56 100

69 12.8 29.7 44.5#

84 51.6 78.9 118.3#





#33

1,2-Dichloroethane-d4

Concen: 34.211 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

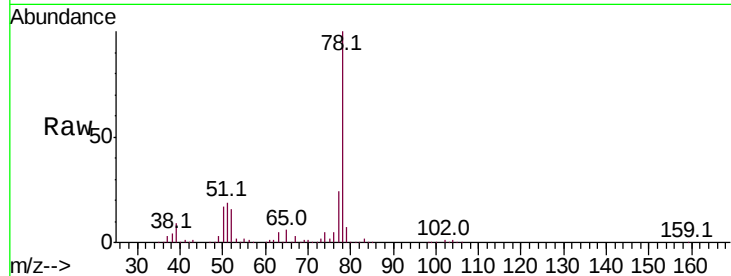
KY001SB106-121218-(22-24)

Tot Ion: 65 Resp: 29927

Ion Ratio Lower Upper

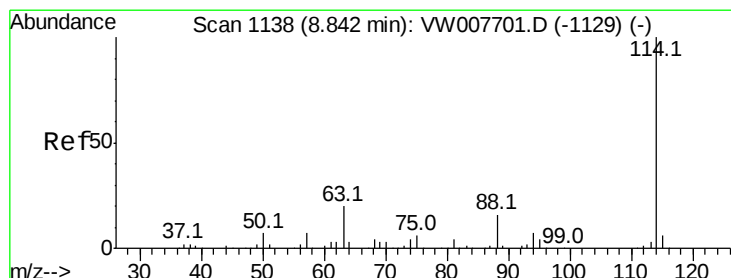
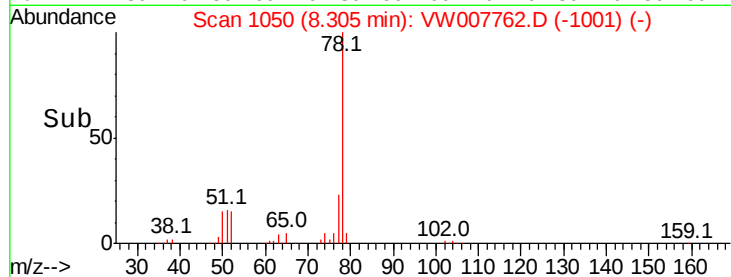
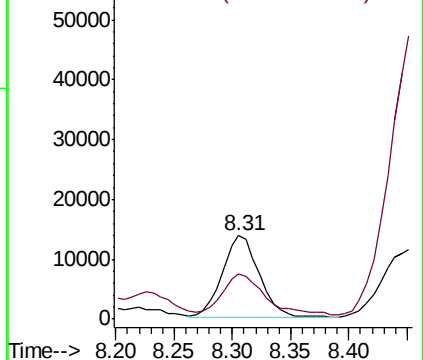
65 100

67 57.1 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

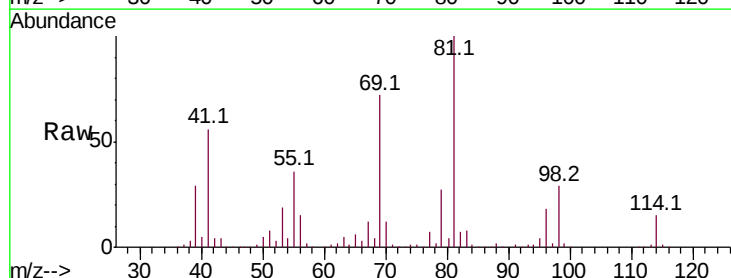
Tgt Ion:114 Resp: 136353

Ion Ratio Lower Upper

114 100

63 37.5 0.0 40.0

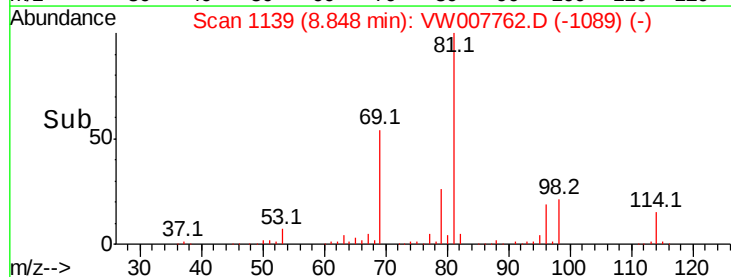
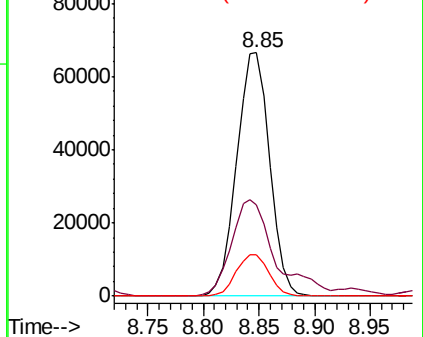
88 16.8 0.0 32.6

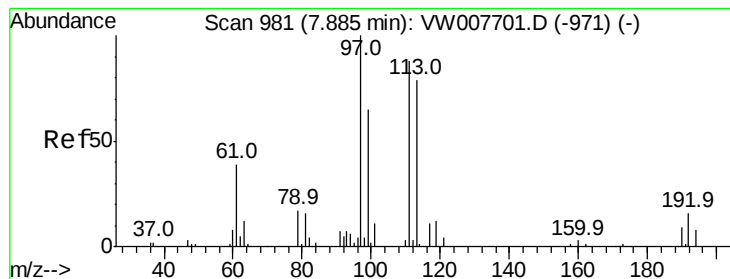


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 32.532 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

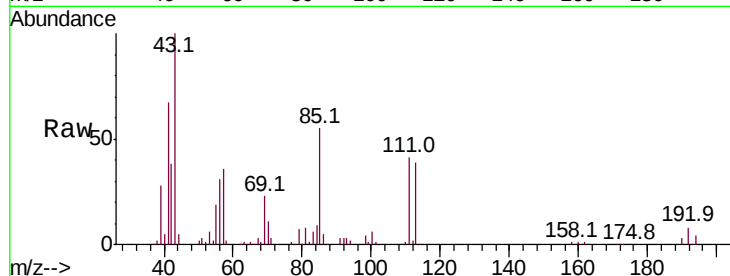
Tot Ion:113 Resp: 27061

Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

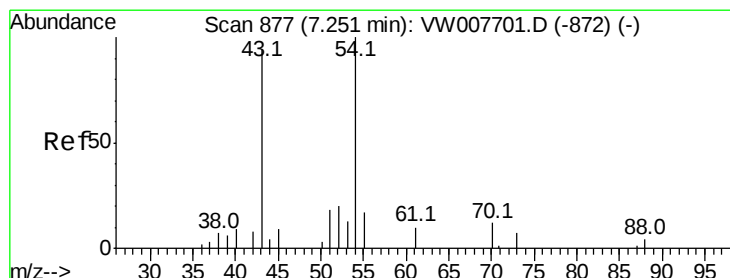
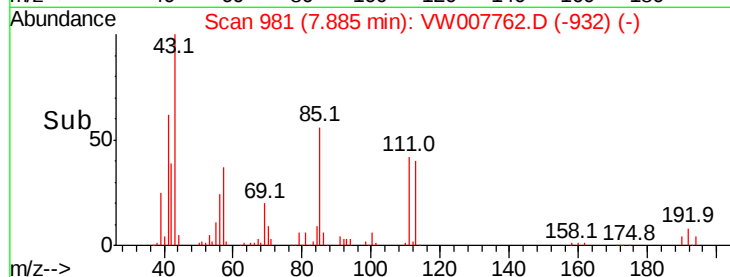
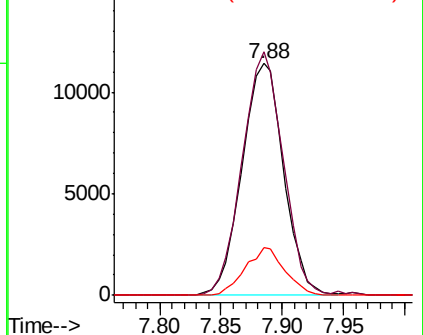
192 19.5 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 89.976 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

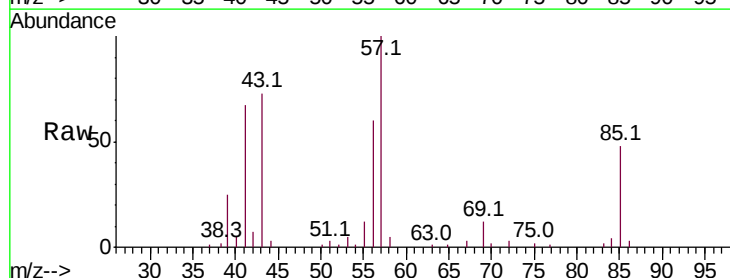
Tgt Ion: 43 Resp: 40866

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

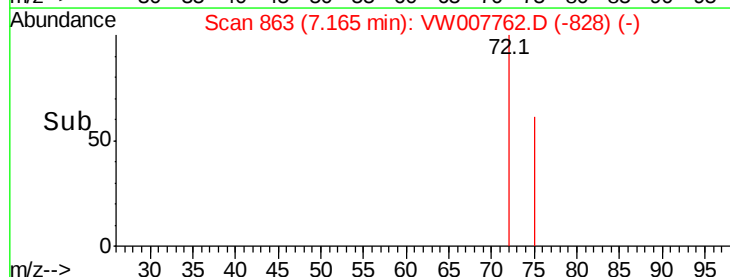
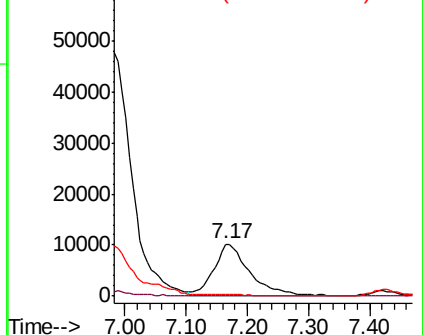
70 0.0 9.3 13.9#

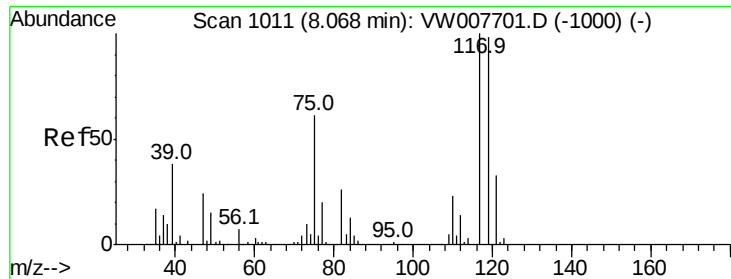


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

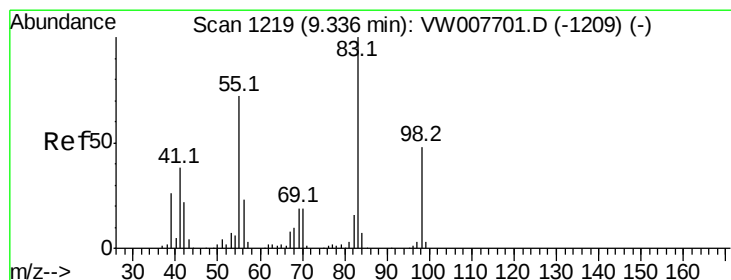
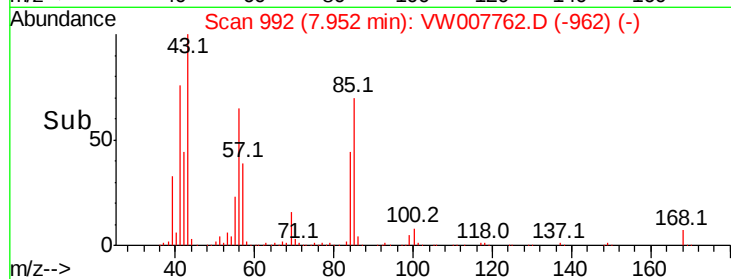
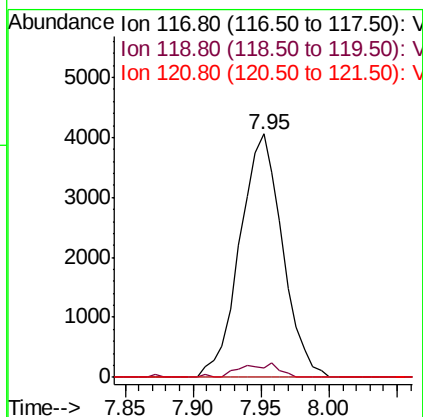
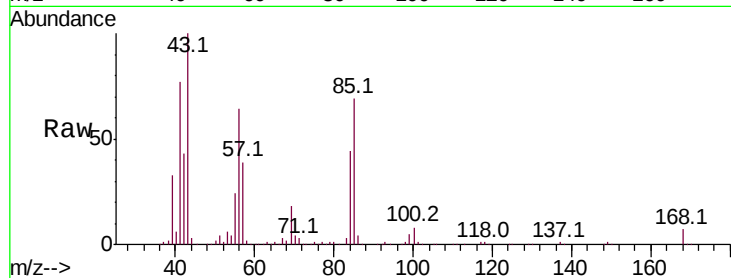




#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

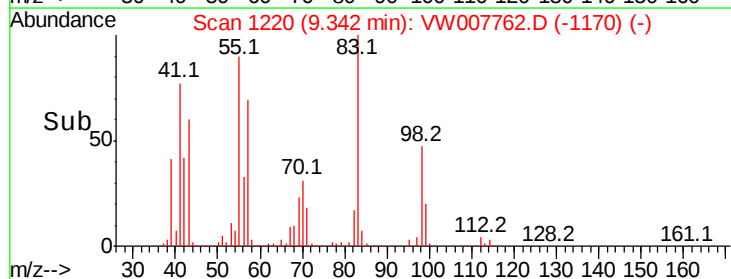
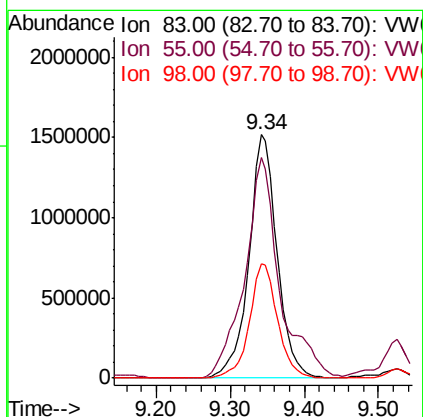
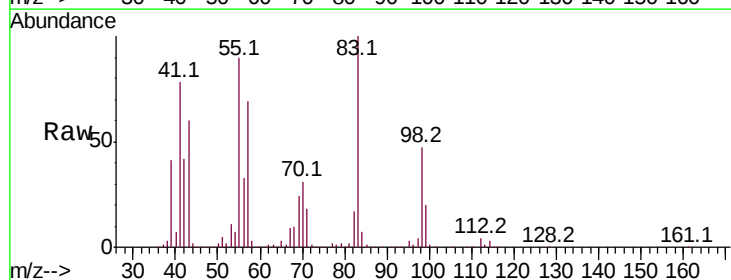
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

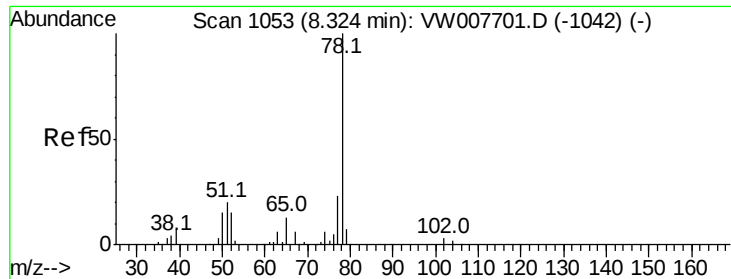
Tot Ion:117 Resp: 8863
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 2459.838 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 83 Resp: 4022659
Ion Ratio Lower Upper
83 100
55 90.3 57.2 85.8#
98 46.9 38.6 58.0

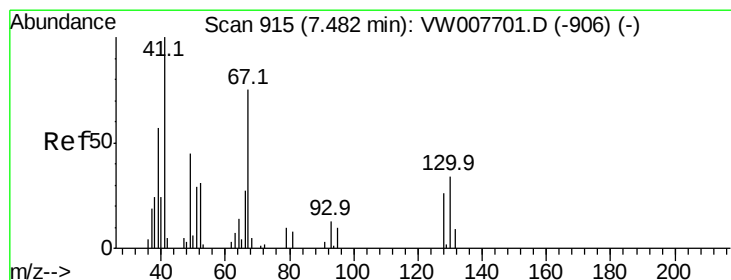
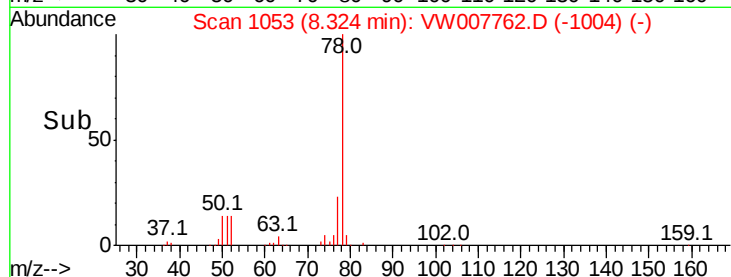
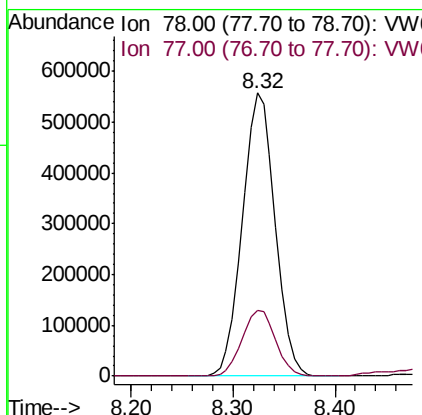
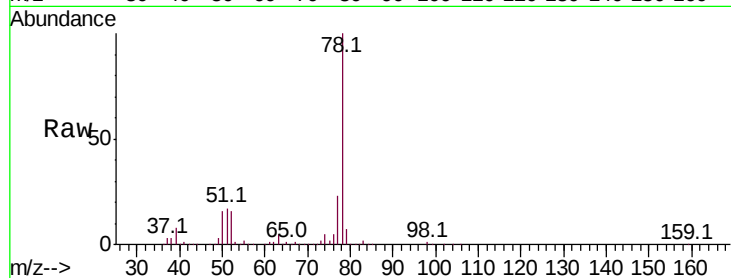




#40
Benzene
Concen: 352.764 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

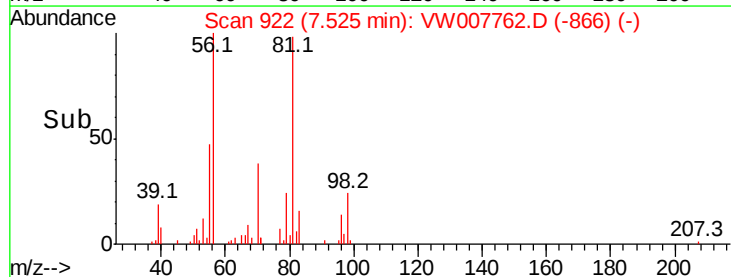
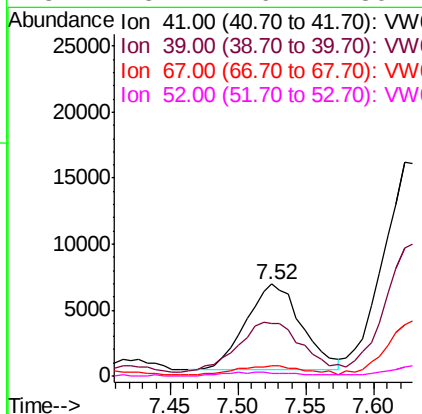
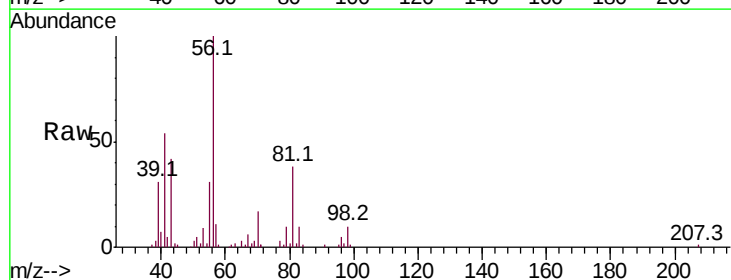
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

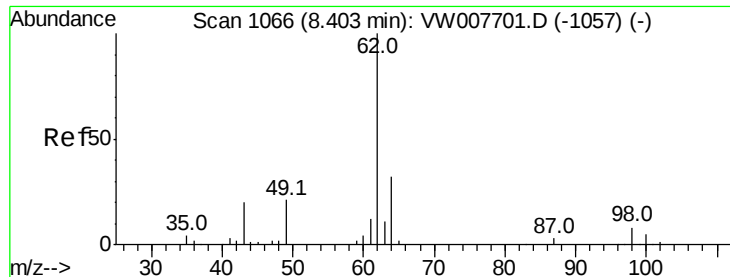
Tot Ion: 78 Resp: 1238860
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1



#41
Methacrylonitrile
Concen: 72.282 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 41 Resp: 18639
Ion Ratio Lower Upper
41 100
39 65.2 54.2 81.4
67 0.0 65.7 98.5#
52 5.7 26.2 39.4#

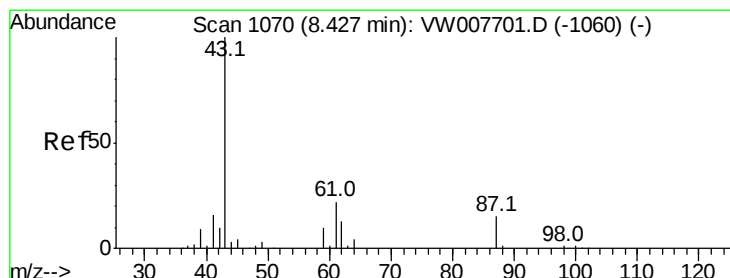
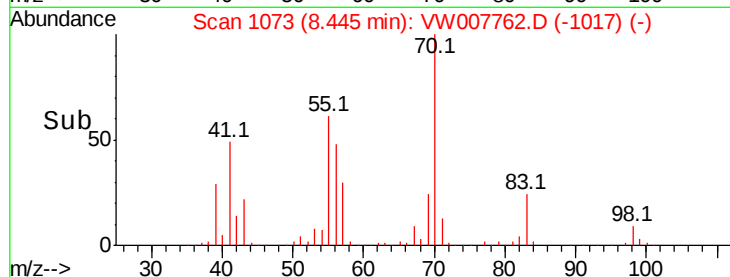
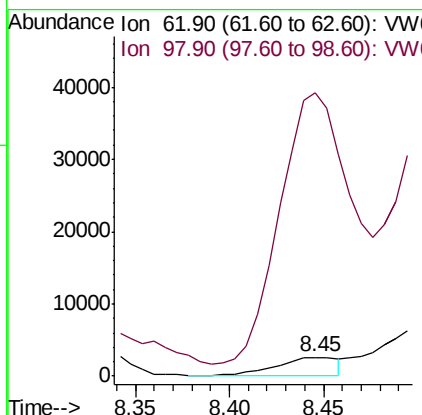
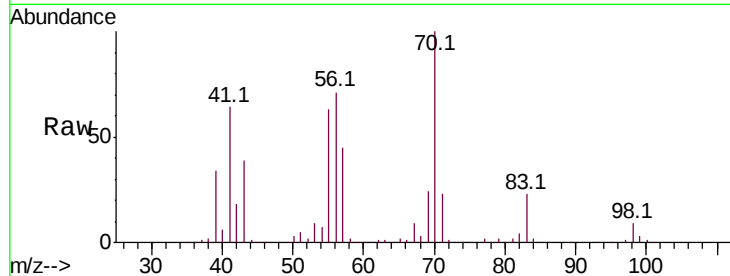




#42
 1,2-Dichloroethane
 Concen: 4.918 ug/l
 RT: 8.45 min Scan# 1073
 Delta R.T. 0.04 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

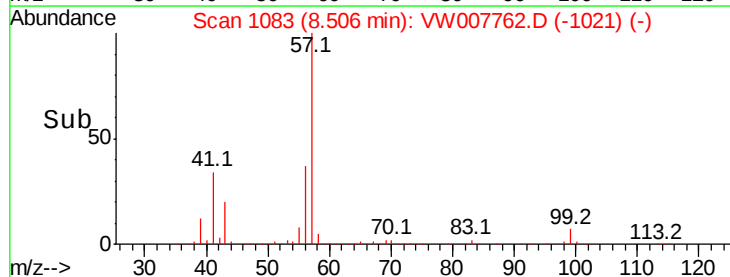
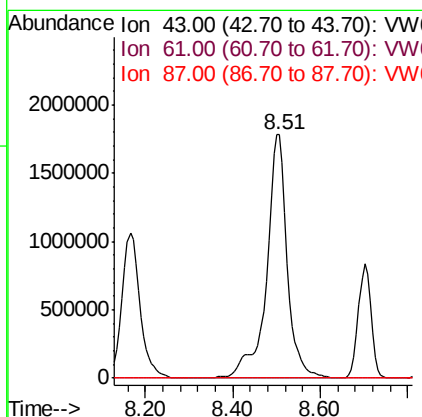
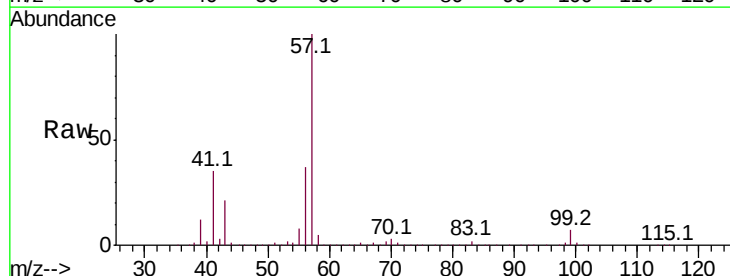
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(22-24)

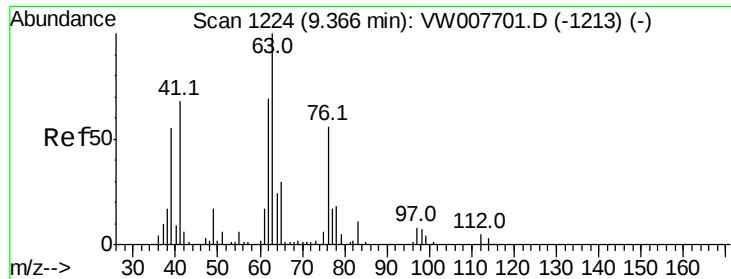
Tot Ion: 62 Resp: 5788
 Ion Ratio Lower Upper
 62 100
 98 1729.5 0.0 16.6#



#43
 Isopropyl Acetate
 Concen: 6522.276 ug/l
 RT: 8.51 min Scan# 1083
 Delta R.T. 0.08 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 5934901
 Ion Ratio Lower Upper
 43 100
 61 0.1 26.3 39.5#
 87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 79.351 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.02 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

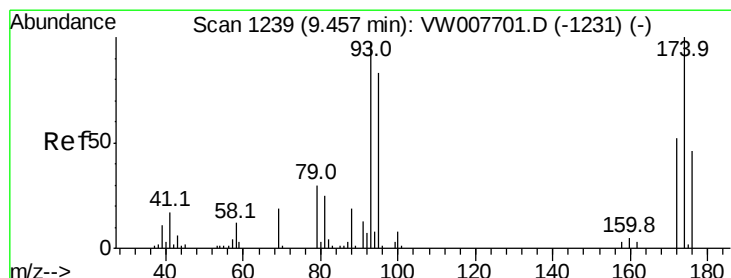
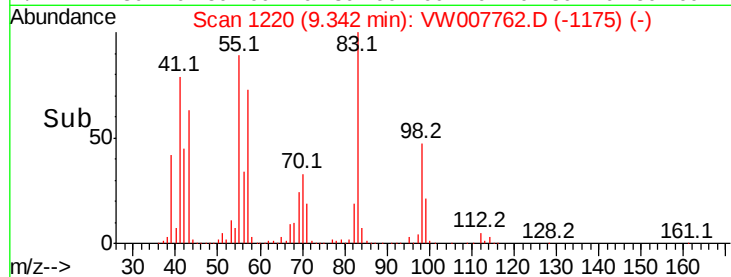
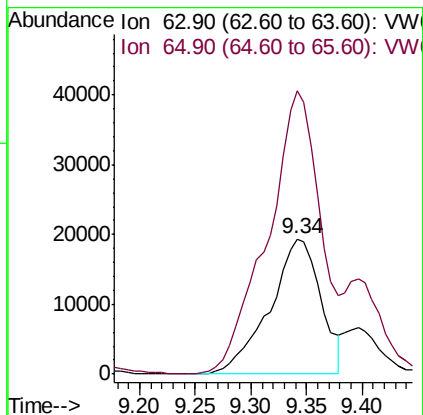
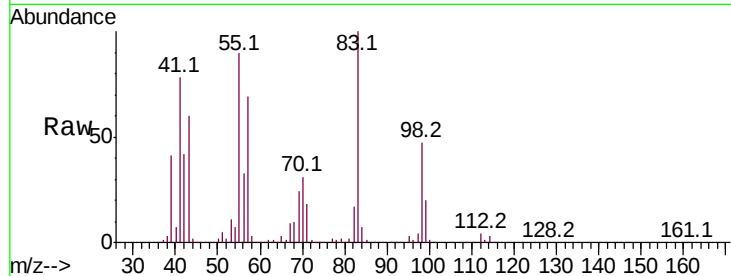
KY001SB106-121218-(22-24)

Tot Ion: 63 Resp: 61834

Ion Ratio Lower Upper

63 100

65 208.6 23.8 35.8#



#46

Dibromomethane

Concen: 17.787 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.04 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

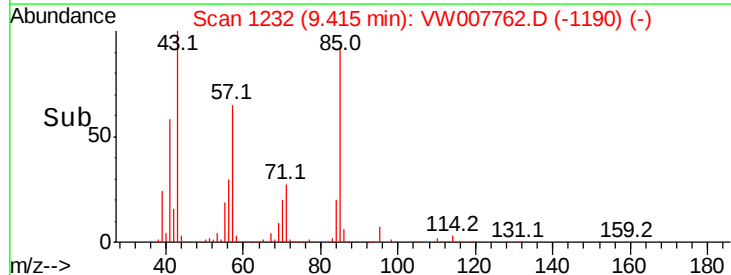
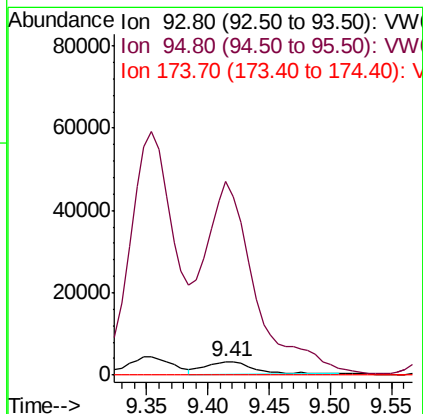
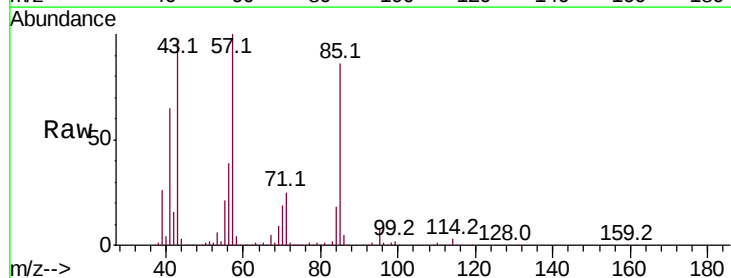
Tgt Ion: 93 Resp: 8532

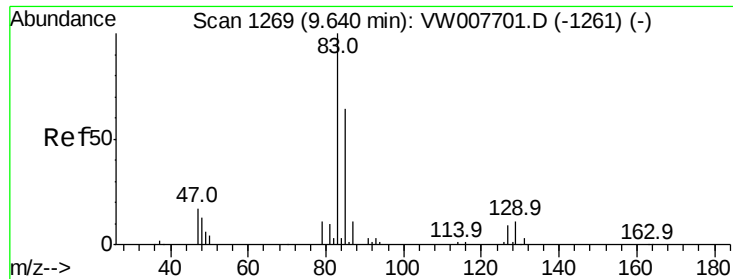
Ion Ratio Lower Upper

93 100

95 1570.5 67.5 101.3#

174 0.0 83.9 125.9#





#47

Bromodichloromethane

Concen: 178.056 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

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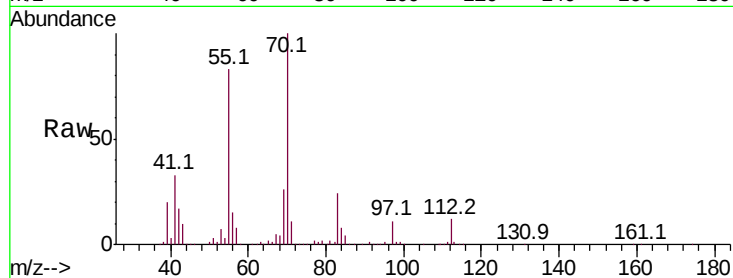
Tot Ion: 83 Resp: 224538

Ion Ratio Lower Upper

83 100

85 16.1 51.4 77.0#

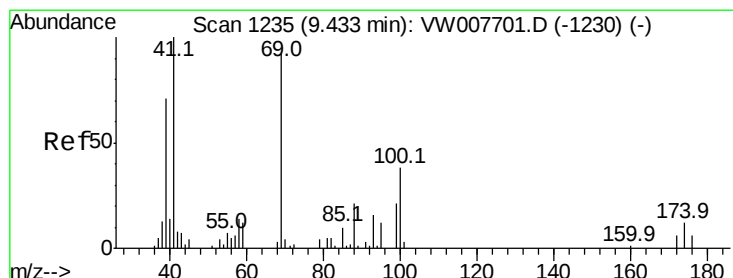
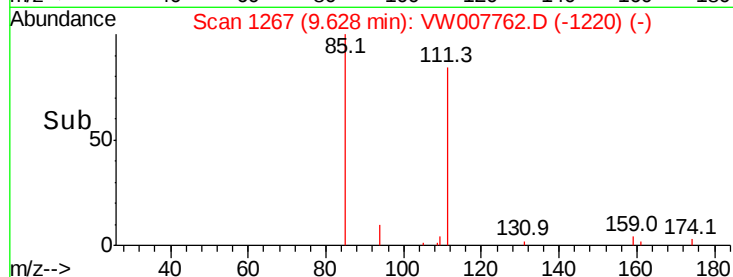
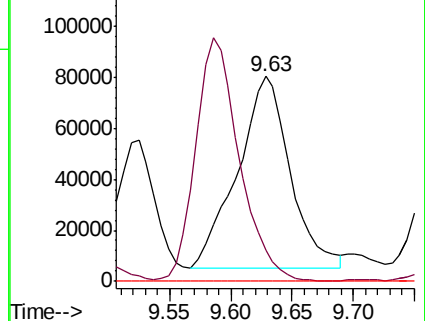
127 0.0 7.5 11.3#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 562.990 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

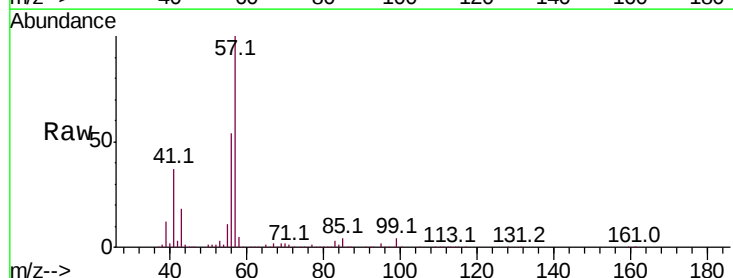
Tgt Ion: 41 Resp: 255711

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

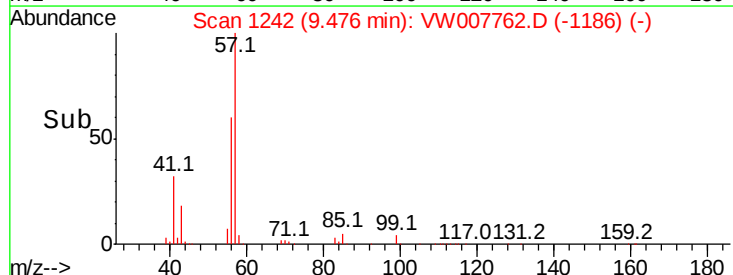
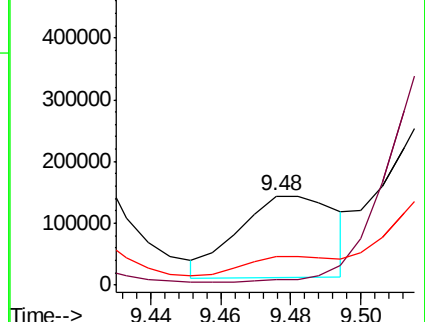
39 27.8 53.9 80.9#

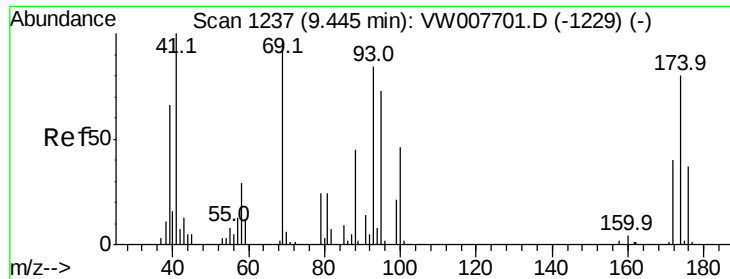


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 6.049 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.11 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

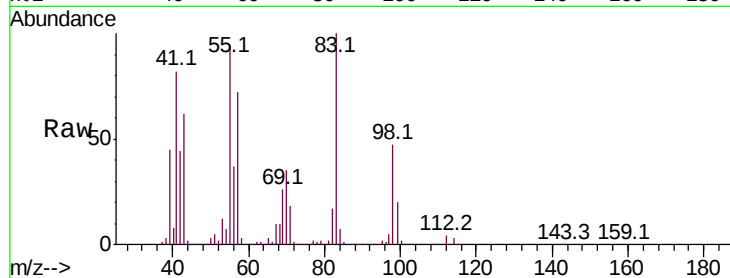
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 4456254.3 25.6 38.4#

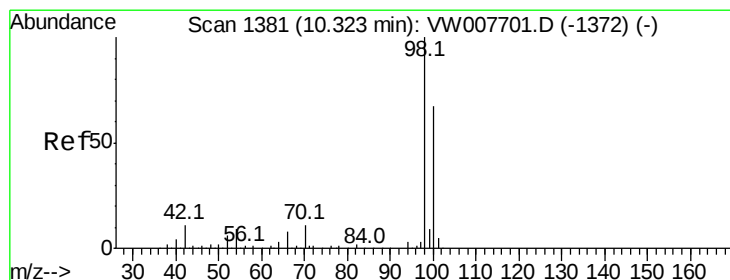
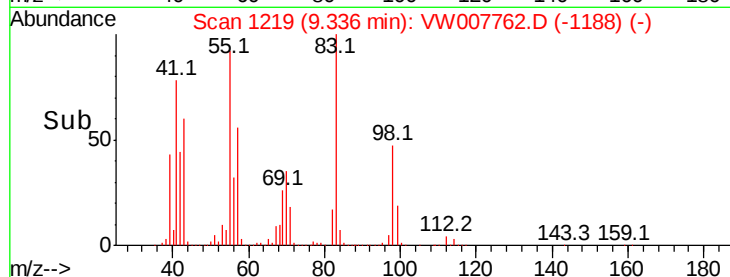
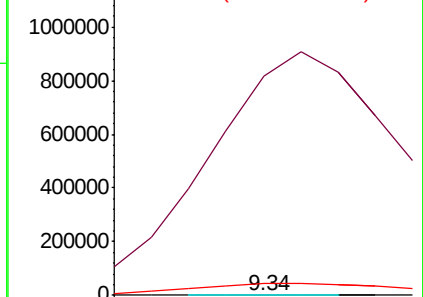
58 243943.5 52.3 78.5#



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: 79.014 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007762.D

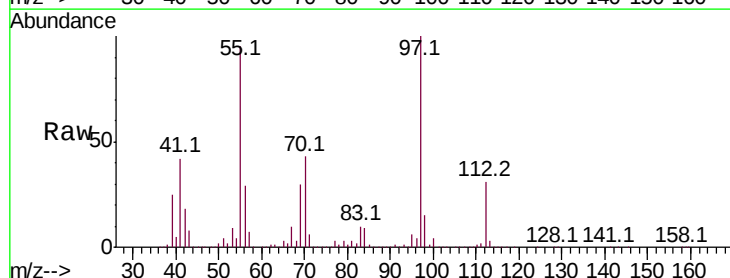
Acq: 20 Dec 2018 21:52

Tgt Ion: 98 Resp: 247777

Ion Ratio Lower Upper

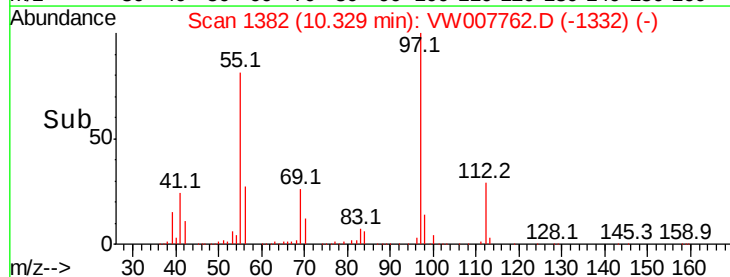
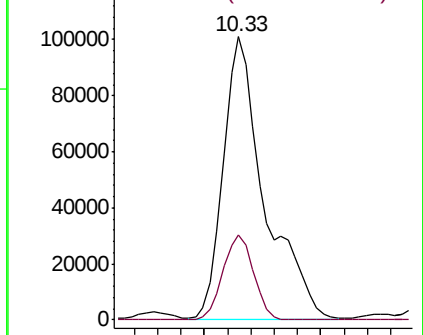
98 100

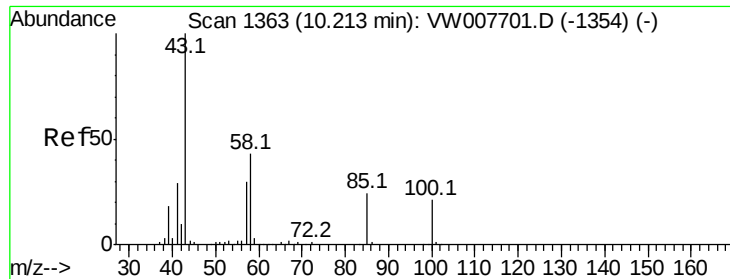
100 22.3 52.2 78.2#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1367.070 ug/l

RT: 10.26 min Scan# 1371

Delta R.T. 0.05 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

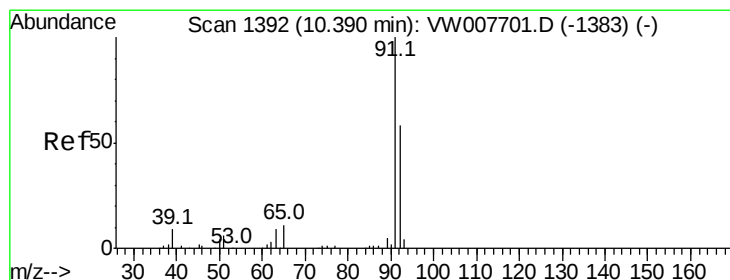
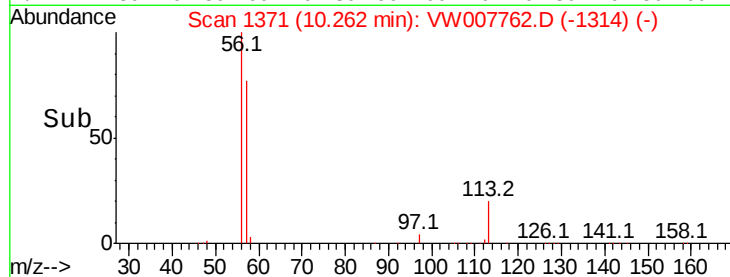
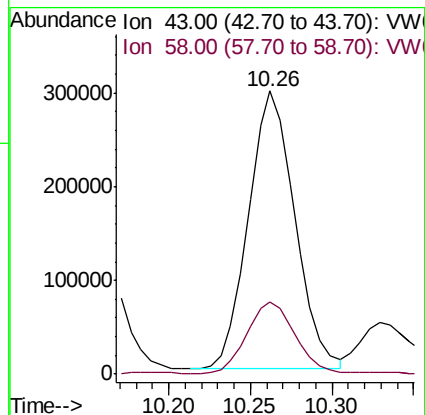
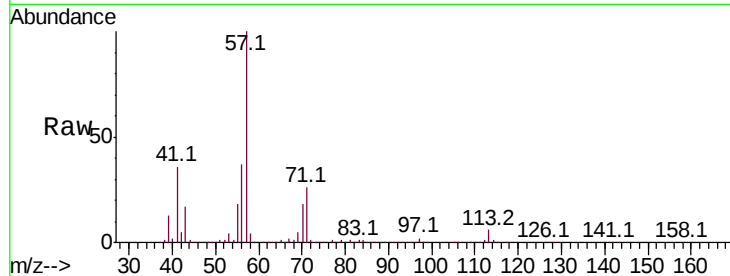
KY001SB106-121218-(22-24)

Tot Ion: 43 Resp: 587891

Ion Ratio Lower Upper

43 100

58 26.7 33.2 49.8#



#52

Toluene

Concen: 50.659 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007762.D

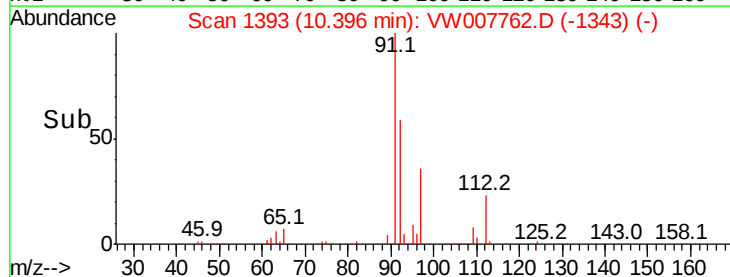
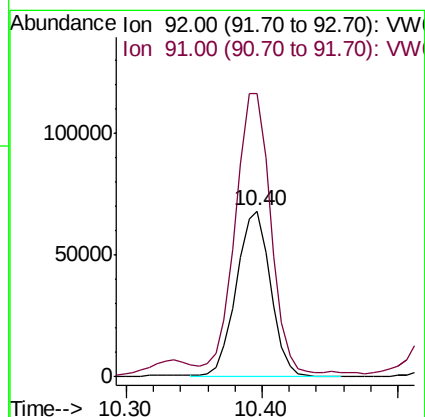
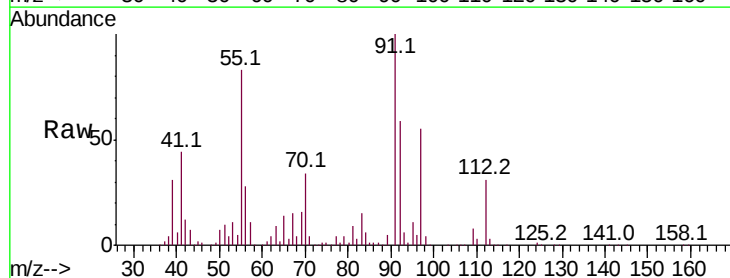
Acq: 20 Dec 2018 21:52

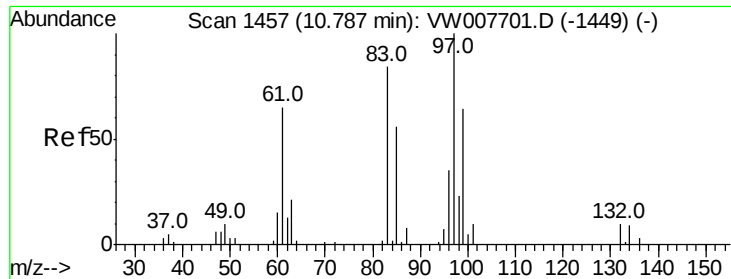
Tgt Ion: 92 Resp: 119363

Ion Ratio Lower Upper

92 100

91 173.5 137.0 205.4





#55

1,1,2-Trichloroethane

Concen: 1471.414 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tot Ion: 97 Resp: 973026

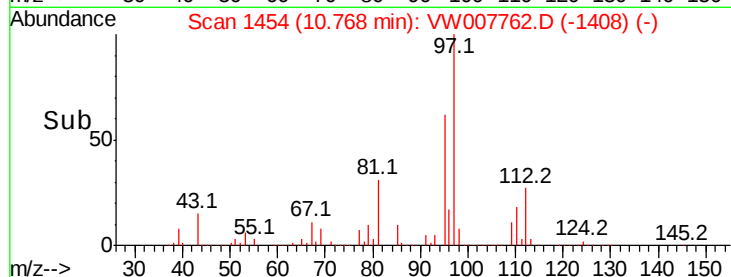
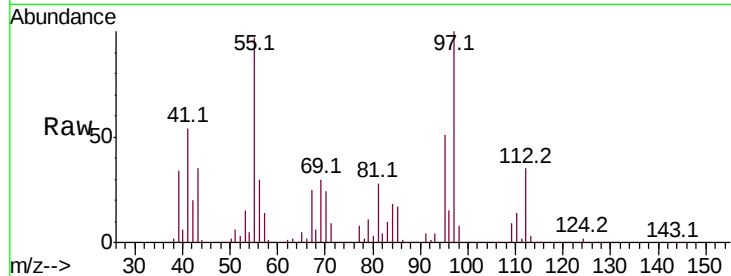
Ion Ratio Lower Upper

97 100

83 8.7 67.5 101.3#

85 17.1 44.8 67.2#

99 0.3 51.0 76.4#

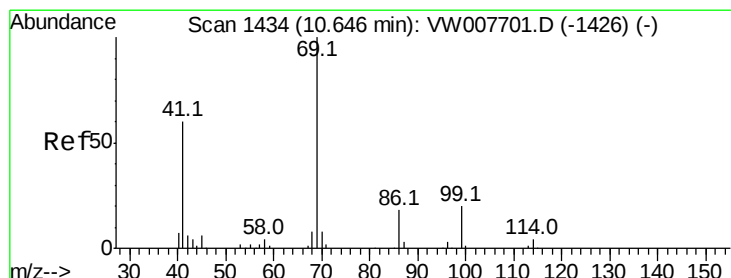
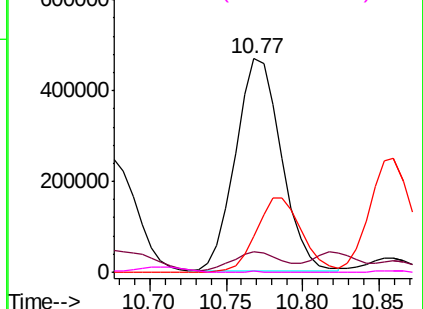


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 241.644 ug/l

RT: 10.69 min Scan# 1441

Delta R.T. 0.04 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

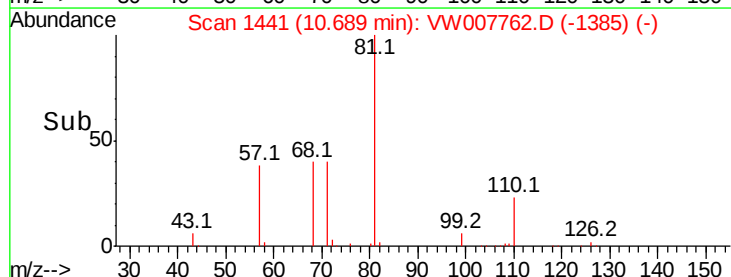
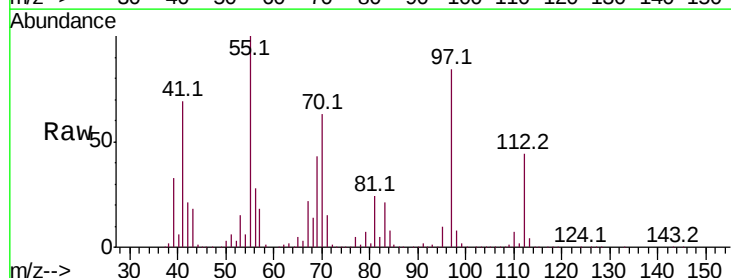
Tgt Ion: 69 Resp: 188800

Ion Ratio Lower Upper

69 100

41 166.4 48.9 73.3#

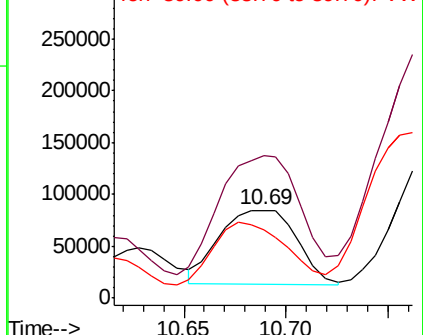
39 81.2 31.3 46.9#

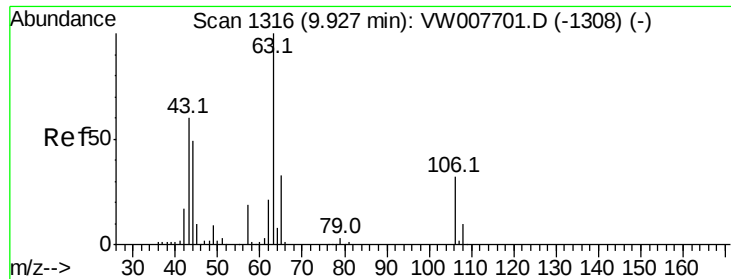


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

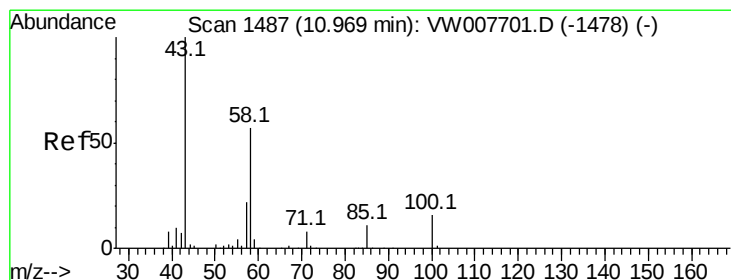
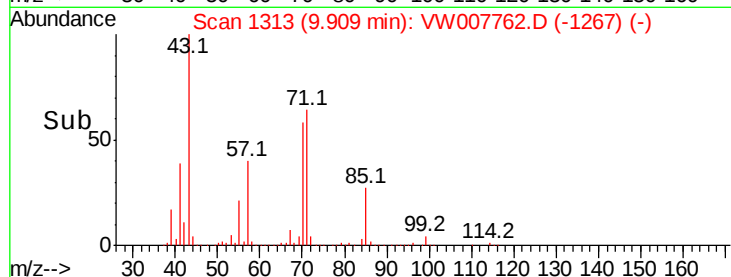
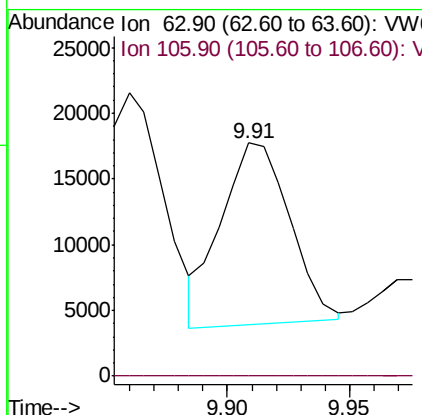
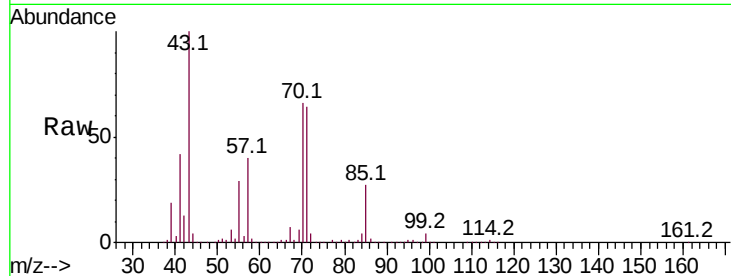




#58
2-Chloroethyl Vinyl ether
Concen: 75.941 ug/l
RT: 9.91 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

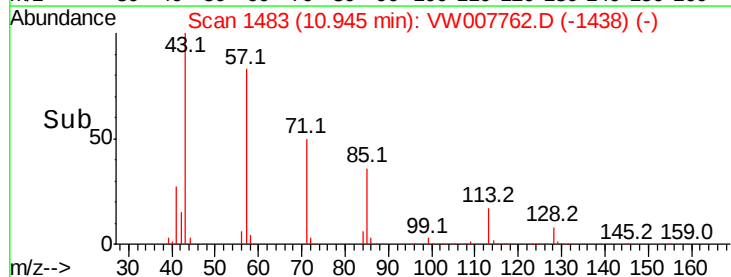
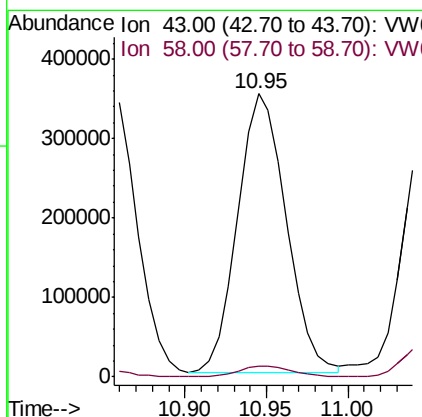
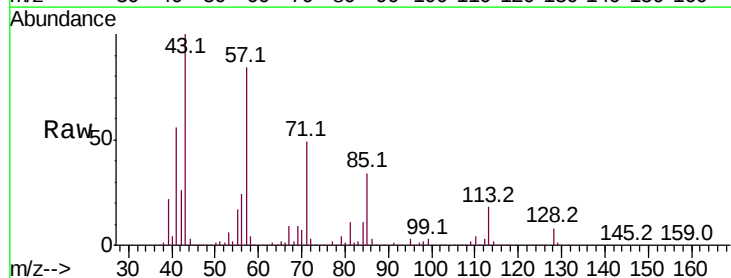
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

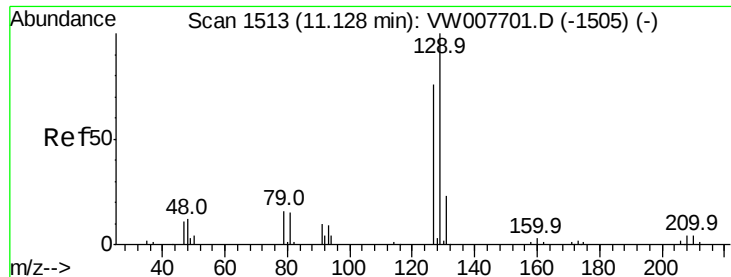
Tot Ion: 63 Resp: 27090
Ion Ratio Lower Upper
63 100
106 0.1 25.9 38.9#



#59
2-Hexanone
Concen: 2395.199 ug/l
RT: 10.95 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 724385
Ion Ratio Lower Upper
43 100
58 4.2 27.7 83.1#





#60

Dibromochloromethane

Concen: 6.602 ug/l

RT: 11.05 min Scan# 1500

Delta R.T. -0.08 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

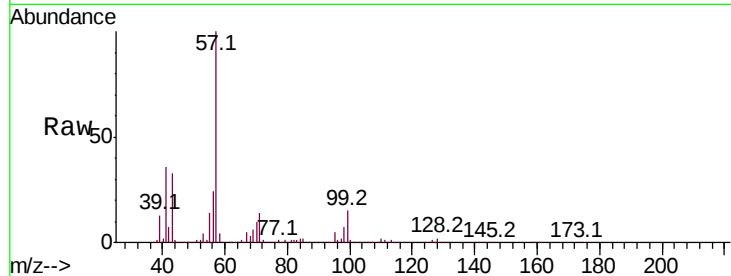
KY001SB106-121218-(22-24)

Tot Ion:129 Resp: 5781

Ion Ratio Lower Upper

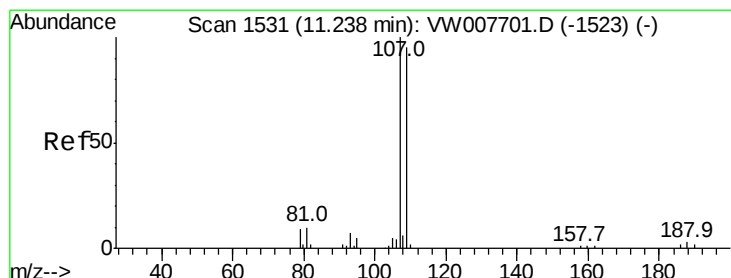
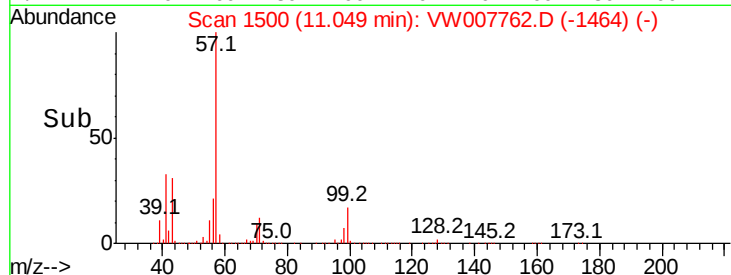
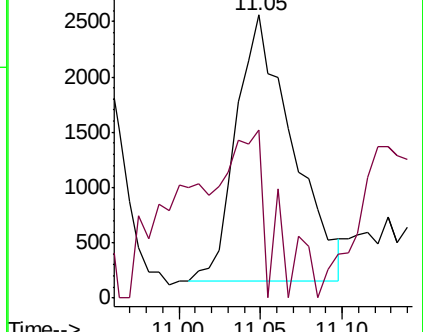
129 100

127 53.8 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 6.411 ug/l

RT: 11.21 min Scan# 1527

Delta R.T. -0.02 min

Lab File: VW007762.D

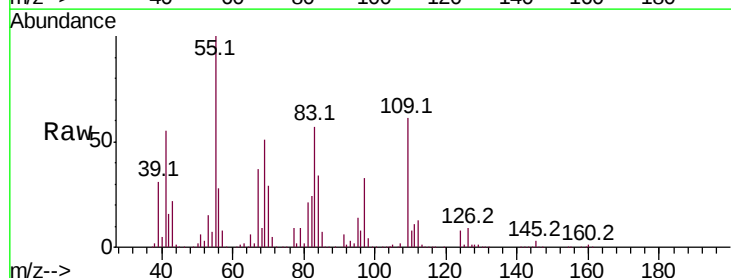
Acq: 20 Dec 2018 21:52

Tgt Ion:107 Resp: 4293

Ion Ratio Lower Upper

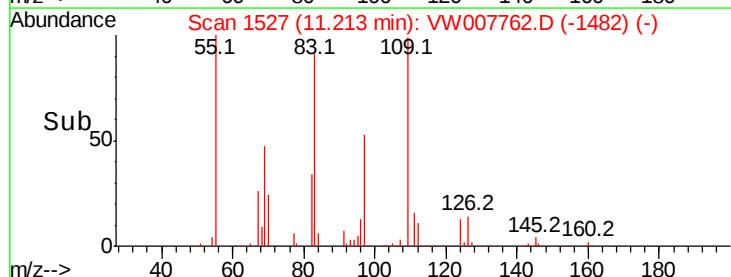
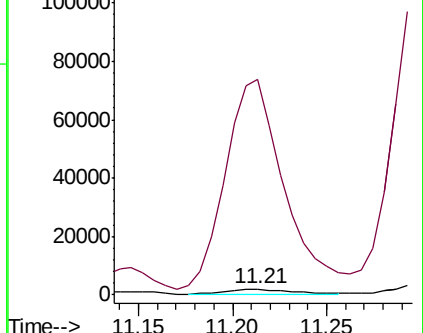
107 100

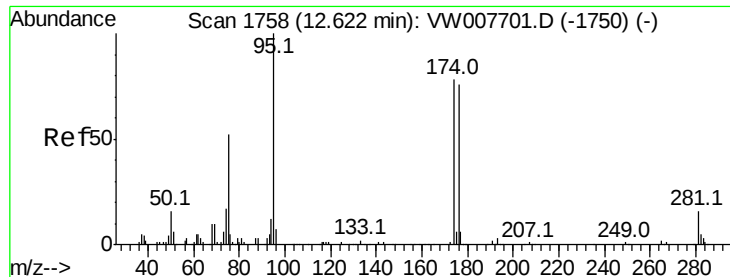
109 3615.6 75.4 113.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

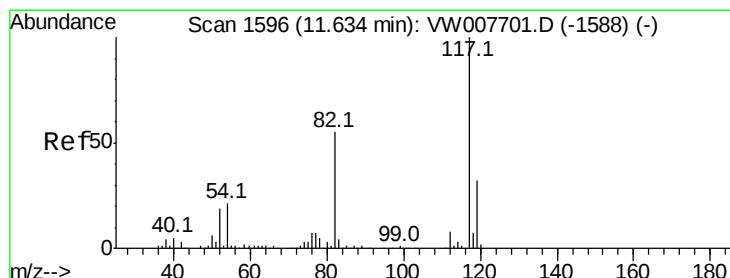
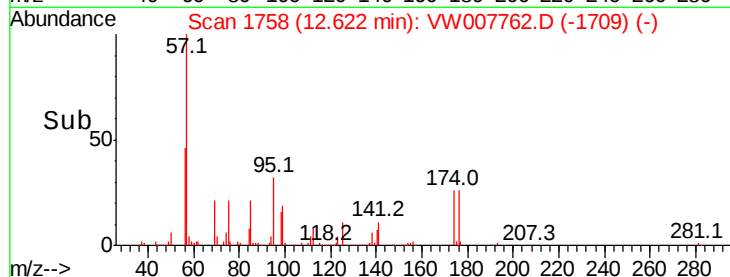
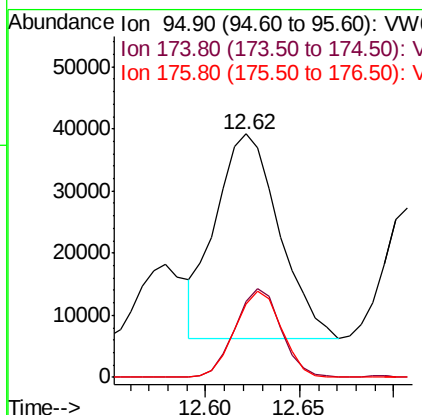
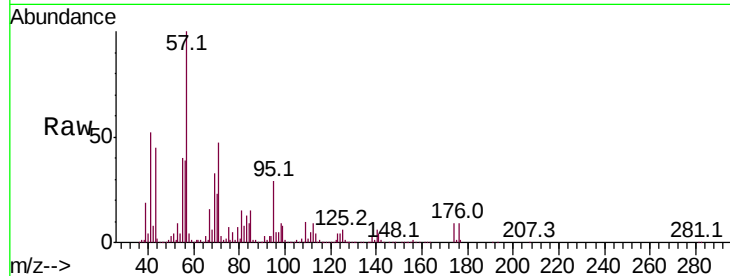




#62
4-Bromofluorobenzene
Concen: 63.316 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

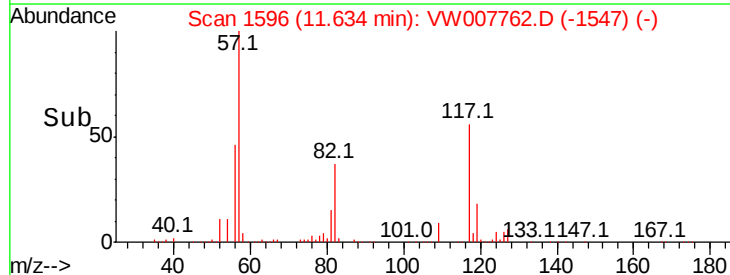
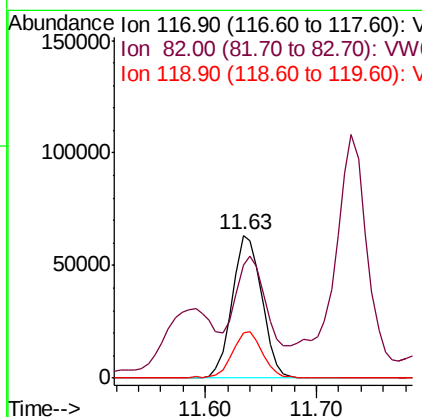
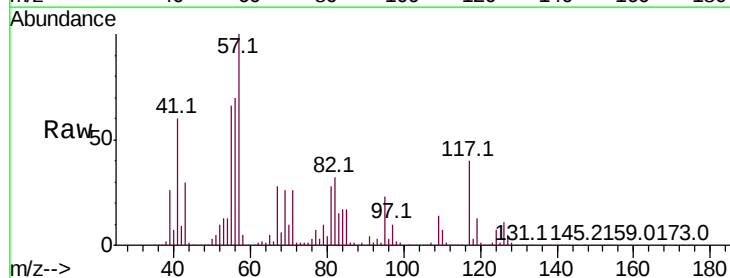
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

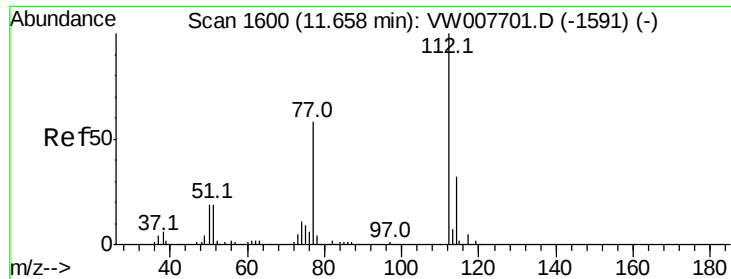
Tot Ion: 95 Resp: 76704
Ion Ratio Lower Upper
95 100
174 31.6 0.0 152.2
176 30.9 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 117 Resp: 116399
Ion Ratio Lower Upper
117 100
82 31.8 44.3 66.5#
119 31.3 25.7 38.5

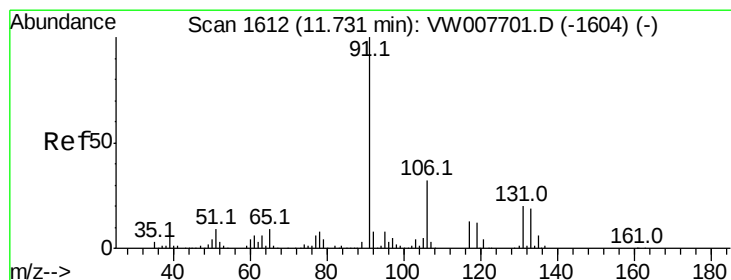
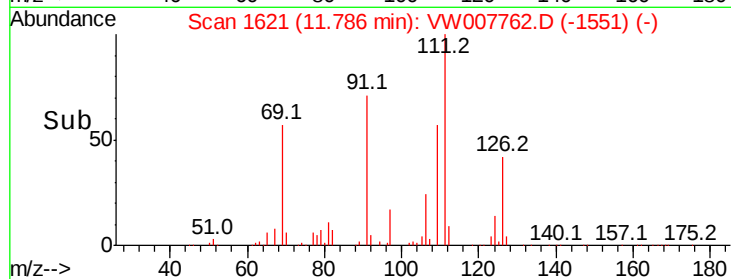
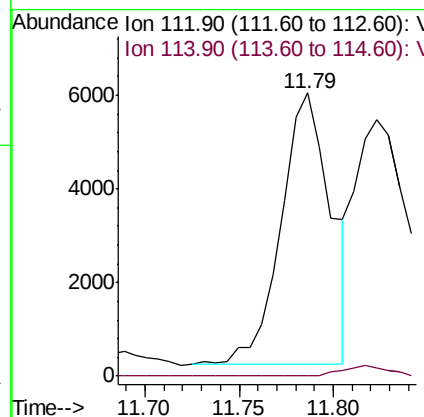
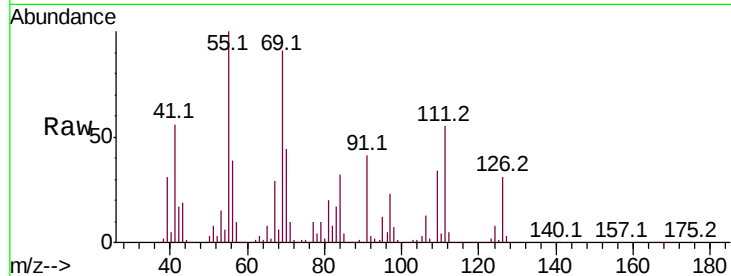




#65
Chlorobenzene
Concen: 4.231 ug/l
RT: 11.79 min Scan# 1621
Delta R.T. 0.13 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

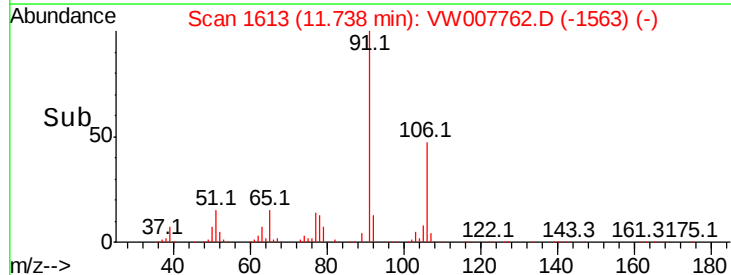
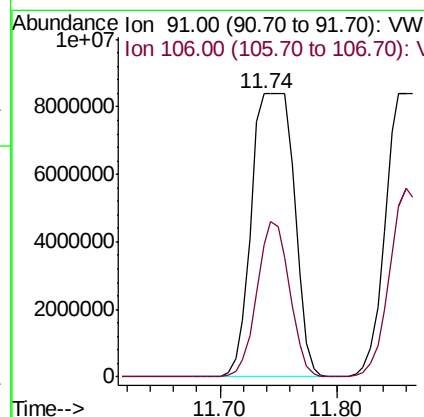
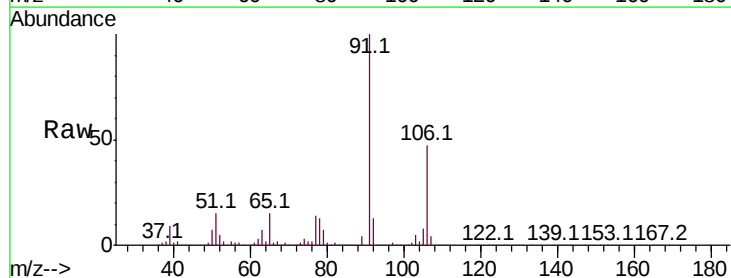
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

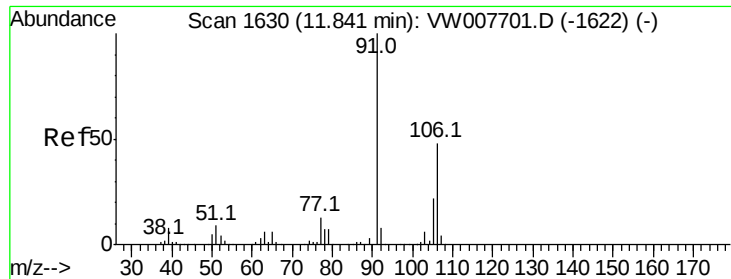
Tot Ion:112 Resp: 10659
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#



#67
Ethyl Benzene
Concen: 4930.606 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 91 Resp:21316140
Ion Ratio Lower Upper
91 100
106 46.7 25.8 38.8#





#68

m/p-Xylenes

Concen: 6885.459 ug/l

RT: 11.86 min Scan# 1633

Delta R.T. 0.02 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

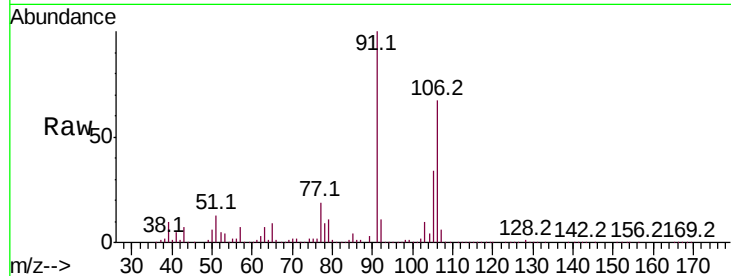
KY001SB106-121218-(22-24)

Tot Ion:106 Resp:11547217

Ion Ratio Lower Upper

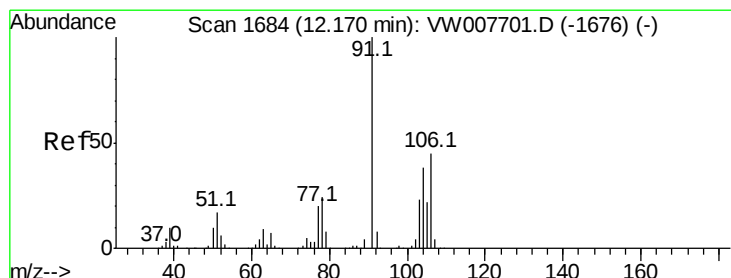
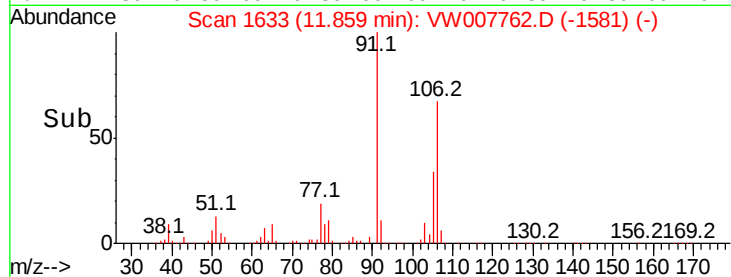
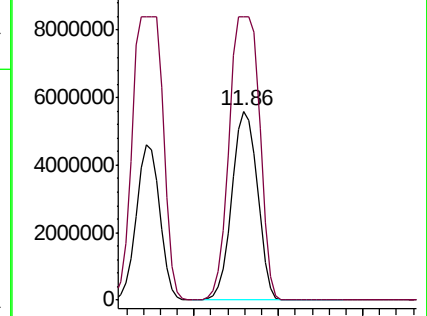
106 100

91 178.0 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 6830.358 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW007762.D

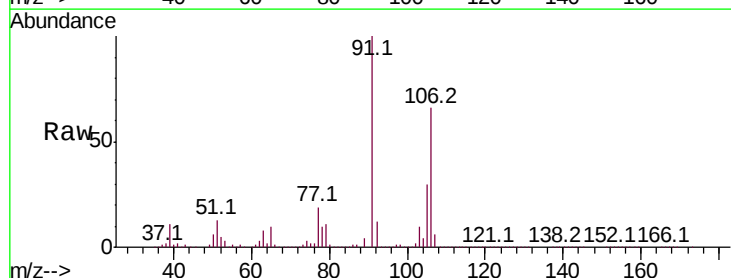
Acq: 20 Dec 2018 21:52

Tgt Ion:106 Resp:10737415

Ion Ratio Lower Upper

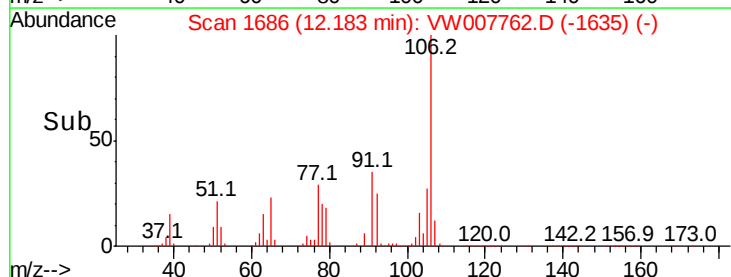
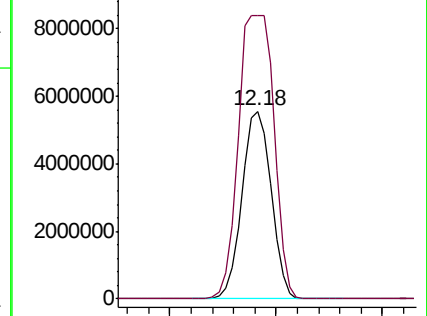
106 100

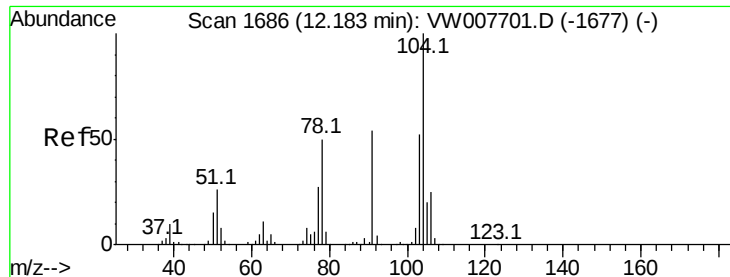
91 183.9 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

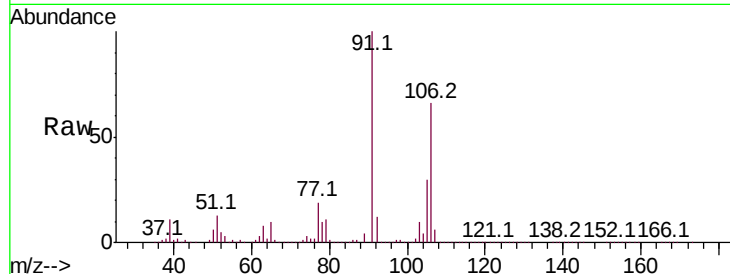




#70
Stvrene
Concen: 232.195 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tot Ion	Ratio	Lower	Upper
104	100		
78	285.6	43.4	65.0#
103	257.4	44.5	66.7#

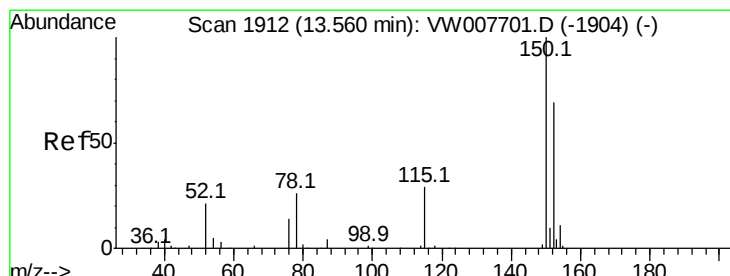
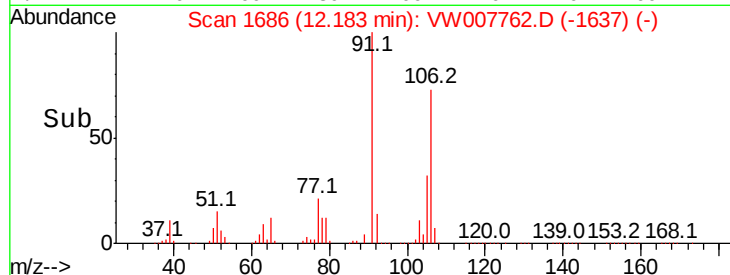
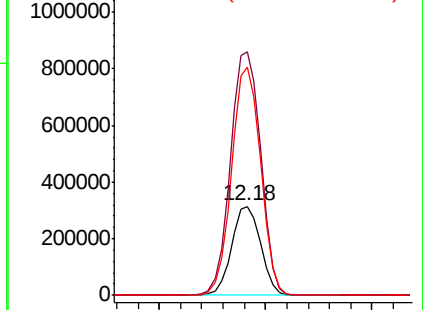


Abundance

Ion 104.00 (103.70 to 104.70): V

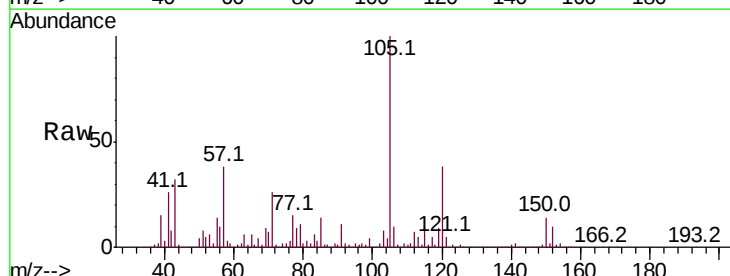
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.8	95.4#
150	146.8	0.0	350.8

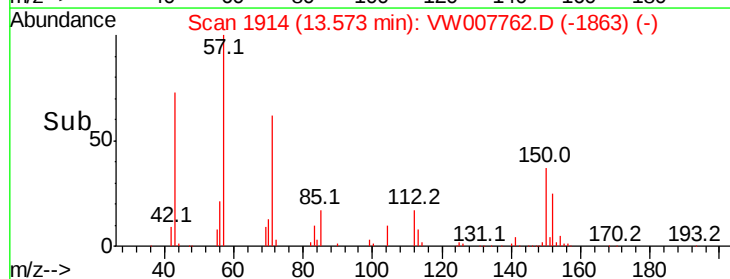
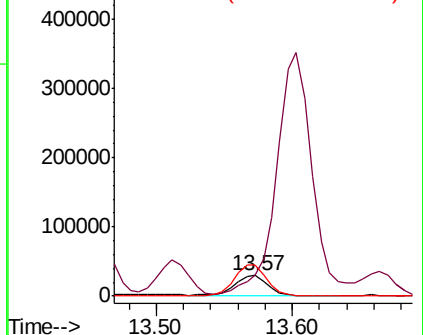


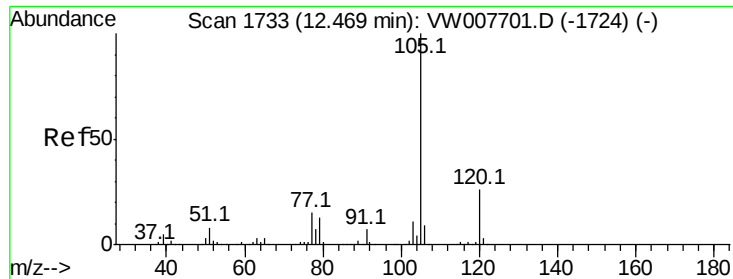
Abundance

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: 2553.520 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

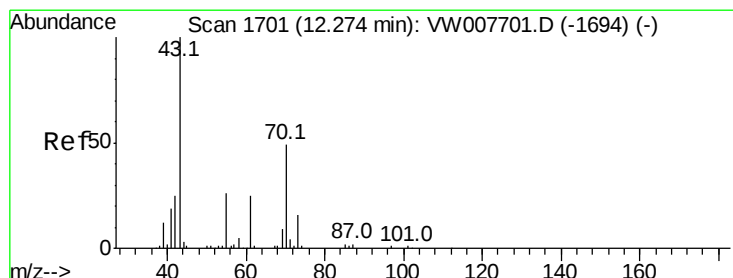
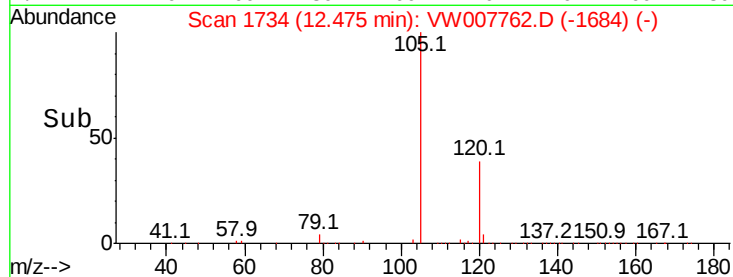
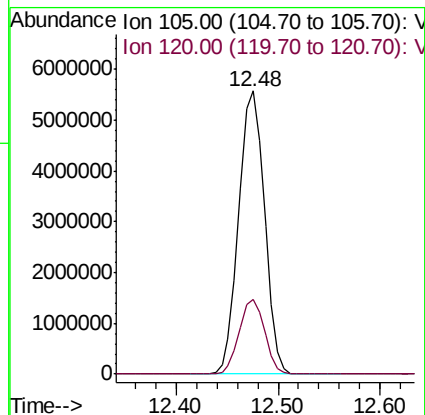
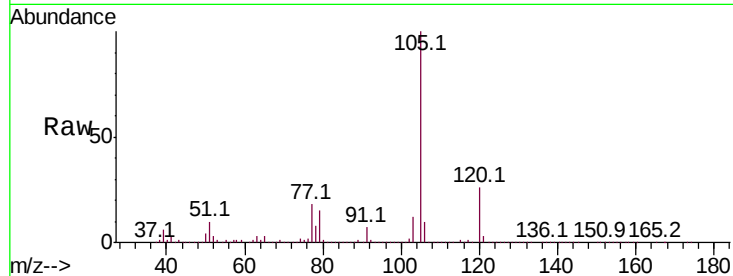
KY001SB106-121218-(22-24)

Tot Ion:105 Resp: 9735619

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 413.053 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Tgt Ion: 43 Resp: 272781

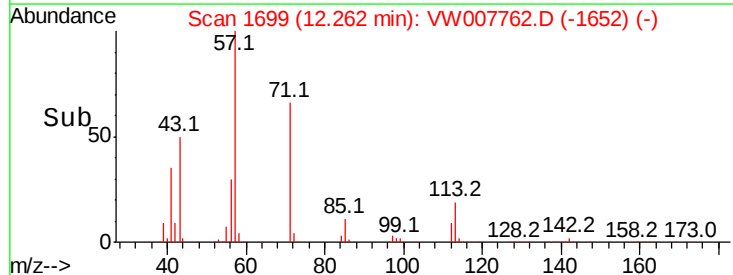
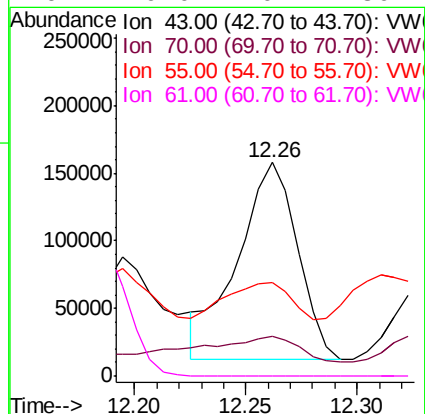
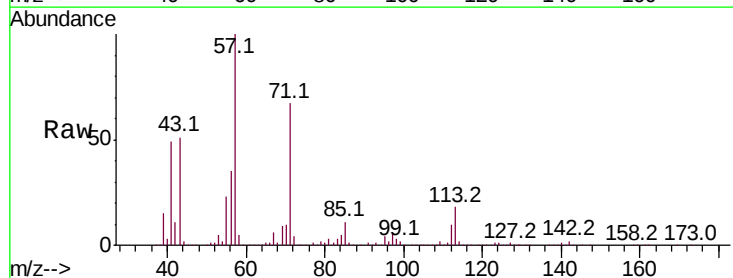
Ion Ratio Lower Upper

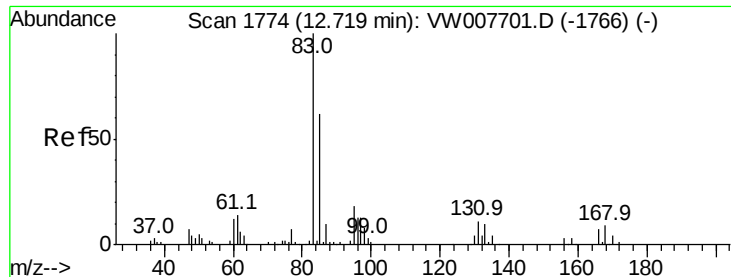
43 100

70 21.5 37.6 56.4#

55 19.9 21.7 32.5#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 36.196 ug/l

RT: 12.67 min Scan# 1766

Delta R.T. -0.05 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

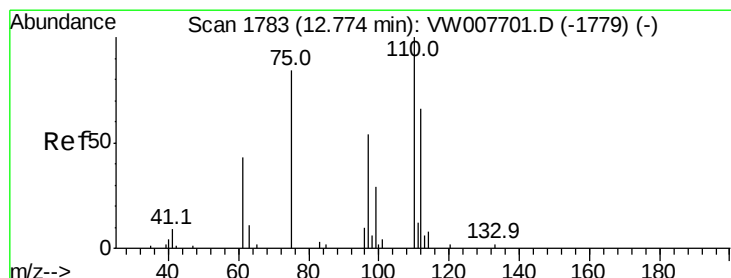
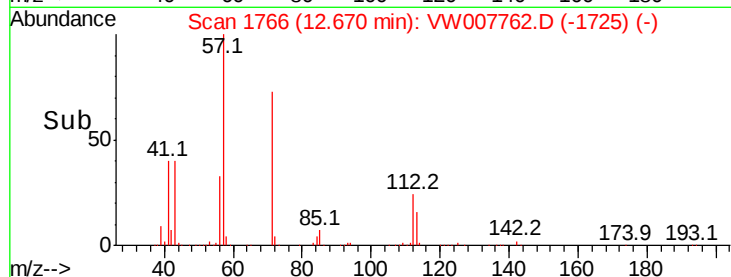
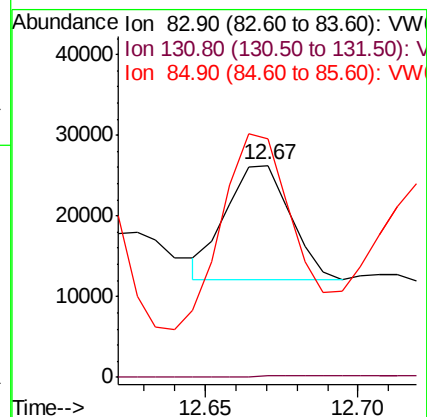
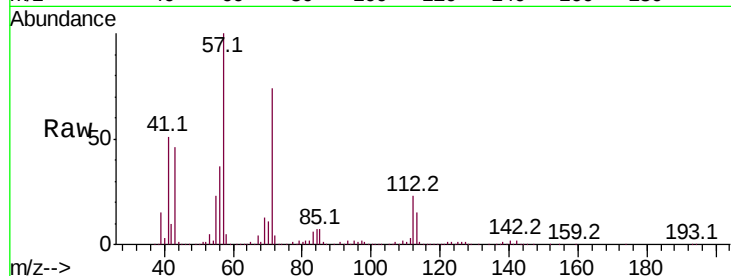
Tot Ion: 83 Resp: 20691

Ion Ratio Lower Upper

83 100

131 0.6 6.3 18.8#

85 188.3 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 285.538 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.04 min

Lab File: VW007762.D

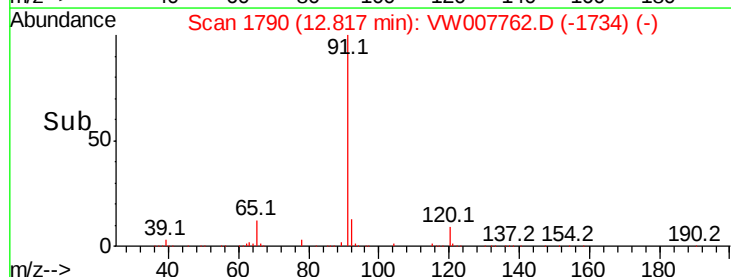
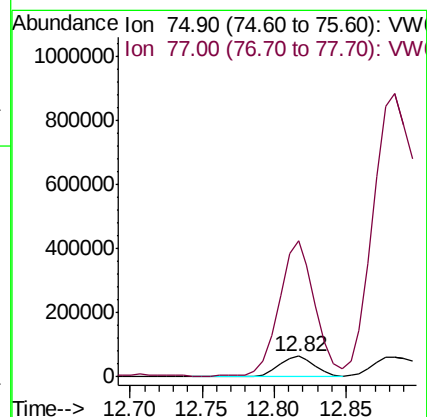
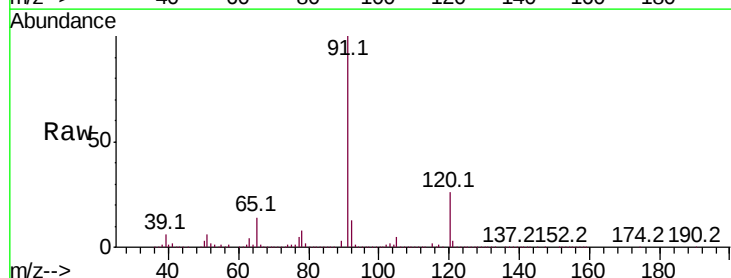
Acq: 20 Dec 2018 21:52

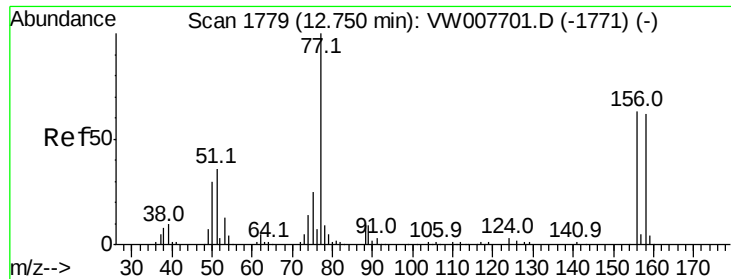
Tgt Ion: 75 Resp: 111316

Ion Ratio Lower Upper

75 100

77 650.2 0.0 0.0#





#77

Bromobenzene

Concen: 148.029 ug/l

RT: 12.93 min Scan# 1808

Delta R.T. 0.18 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

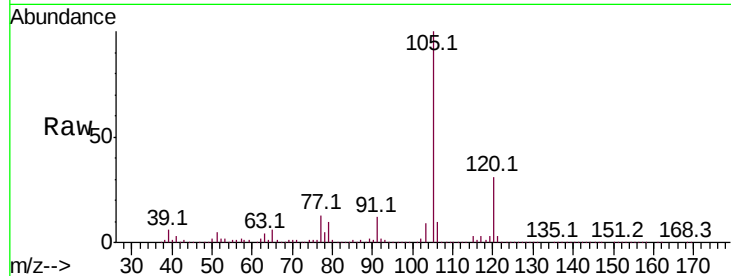
Tot Ion:156 Resp: 129342

Ion Ratio Lower Upper

156 100

77 1636.2 87.4 262.1#

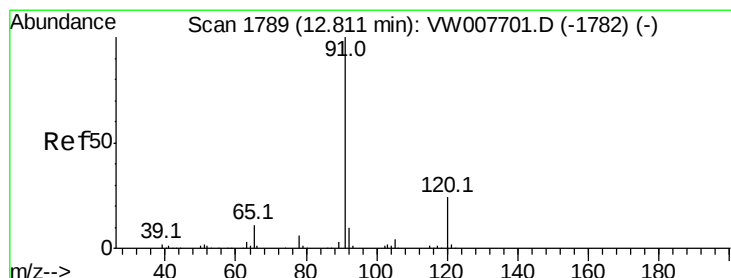
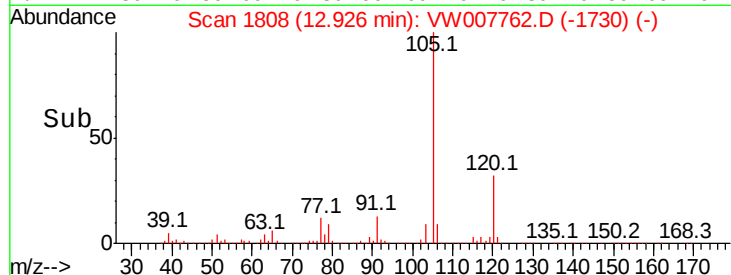
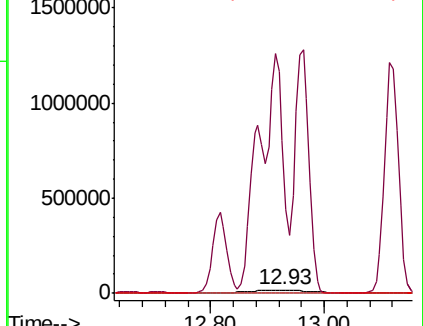
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3427.746 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007762.D

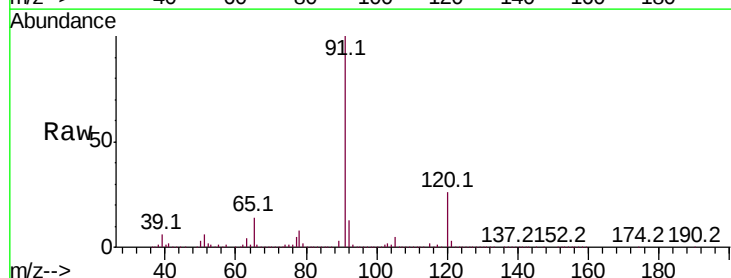
Acq: 20 Dec 2018 21:52

Tgt Ion: 91 Resp:15212822

Ion Ratio Lower Upper

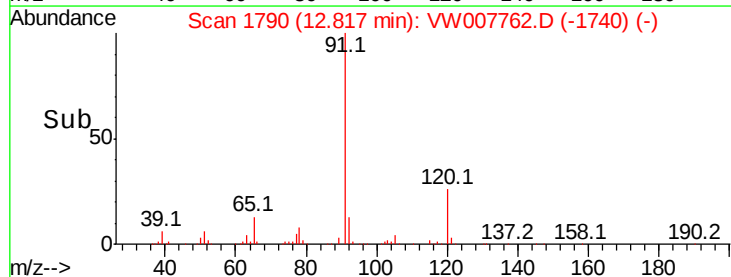
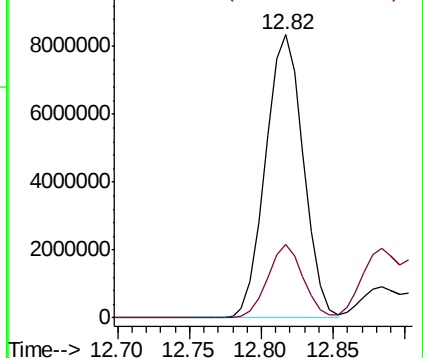
91 100

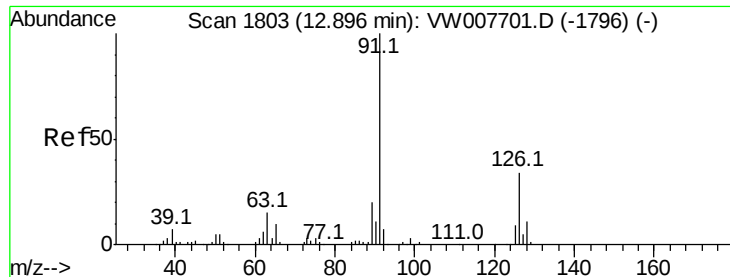
120 24.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

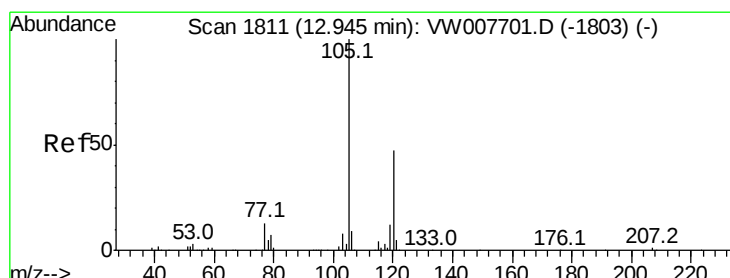
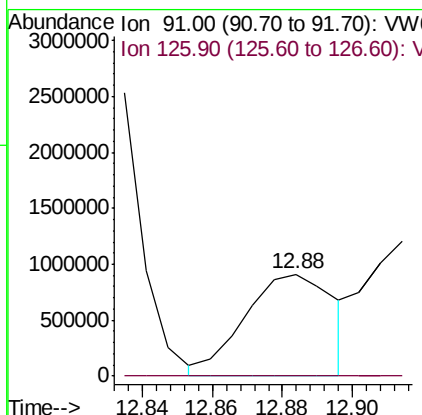
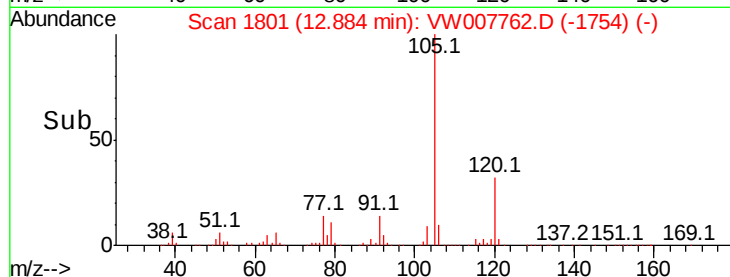
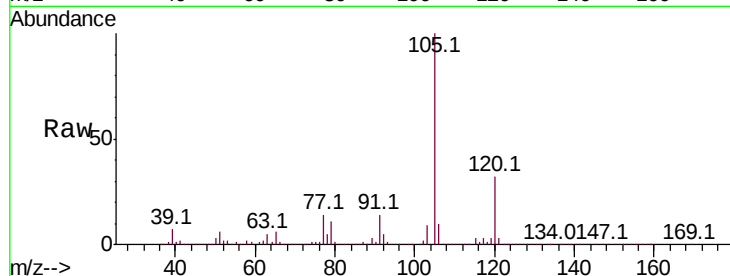




#79
2-Chlorotoluene
Concen: 617.408 ug/l
RT: 12.88 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

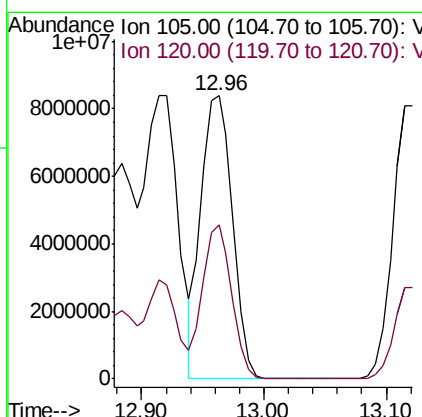
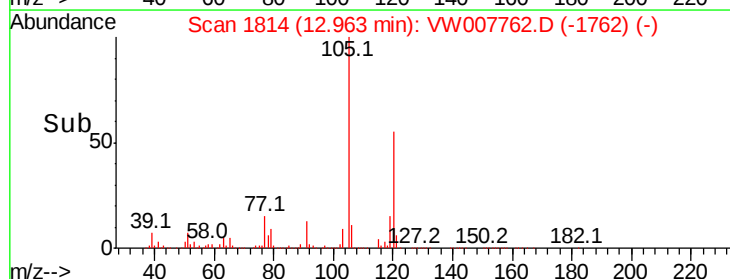
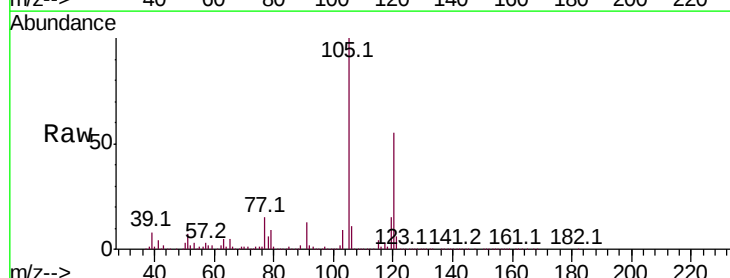
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

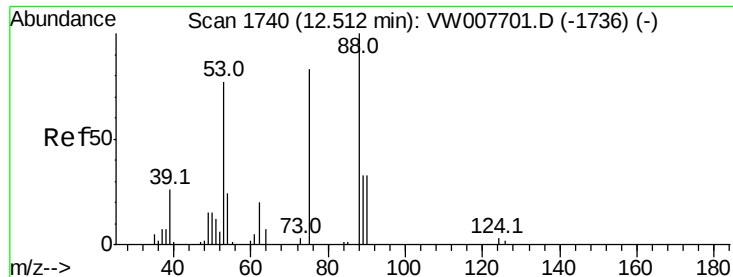
Tot Ion: 91 Resp: 1596266
Ion Ratio Lower Upper
91 100
126 0.4 17.0 51.0#



#80
1,3,5-Trimethylbenzene
Concen: 4553.784 ug/l
RT: 12.96 min Scan# 1814
Delta R.T. 0.02 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion:105 Resp:14975867
Ion Ratio Lower Upper
105 100
120 50.6 23.6 70.8

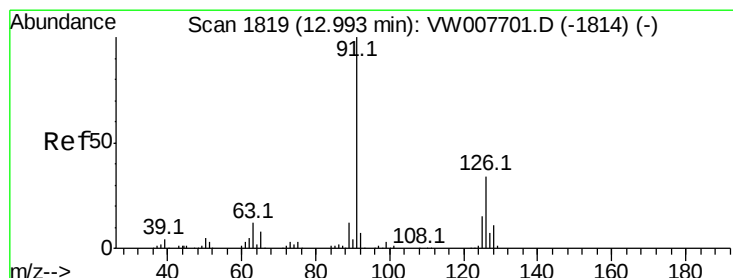
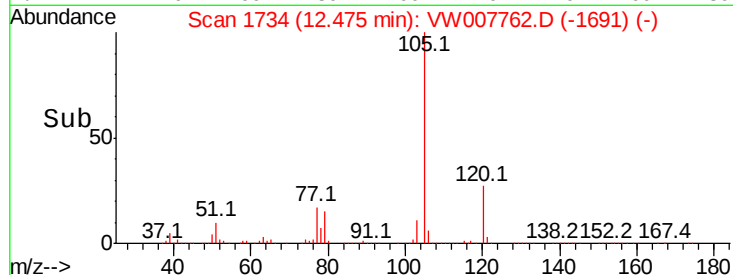
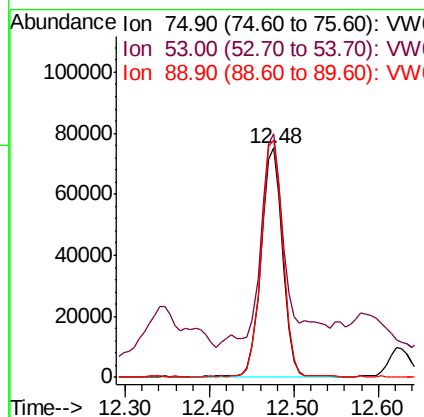
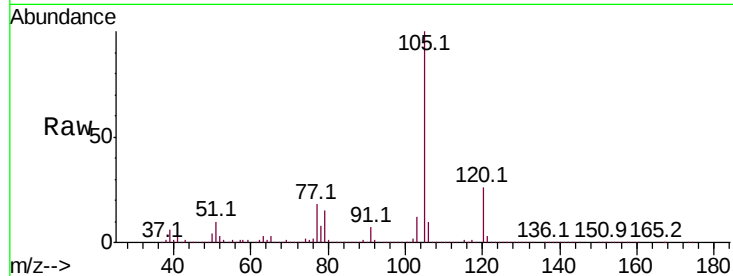




#81
trans-1,4-Dichloro-2-butene
Concen: 706.940 ug/l
RT: 12.48 min Scan# 1734
Delta R.T. -0.04 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

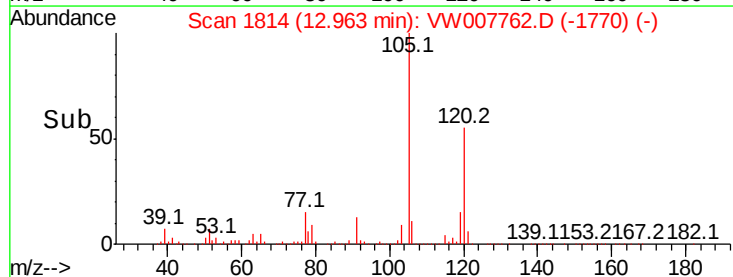
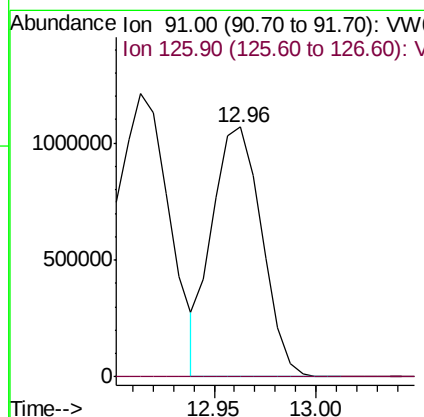
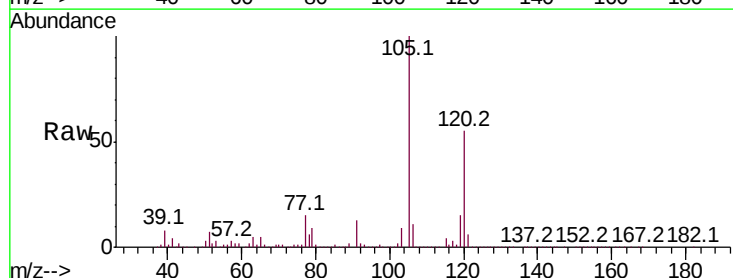
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

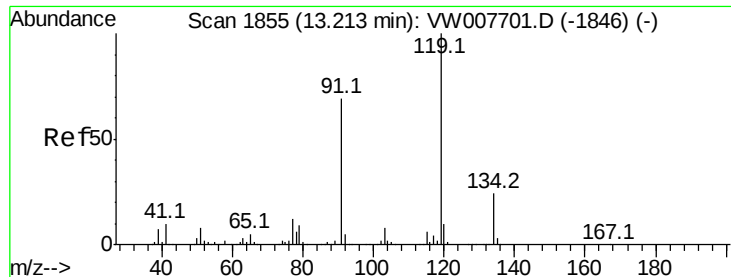
Tot Ion: 75 Resp: 131295
Ion Ratio Lower Upper
75 100
53 123.2 80.2 120.2#
89 103.8 39.2 58.8#



#82
4-Chlorotoluene
Concen: 651.838 ug/l
RT: 12.96 min Scan# 1814
Delta R.T. -0.03 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 91 Resp: 1794430
Ion Ratio Lower Upper
91 100
126 0.2 16.5 49.5#





#83

tert-Butylbenzene

Concen: 1814.254 ug/l

RT: 13.27 min Scan# 1865

Delta R.T. 0.06 min

Lab File: VW007762.D

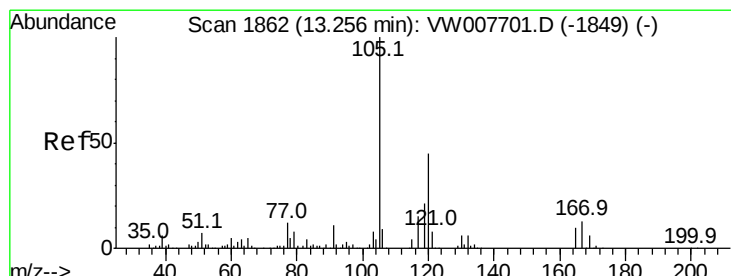
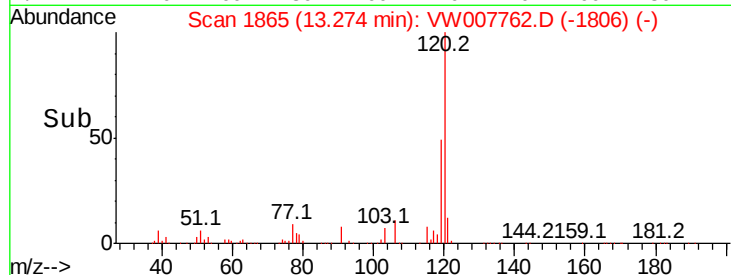
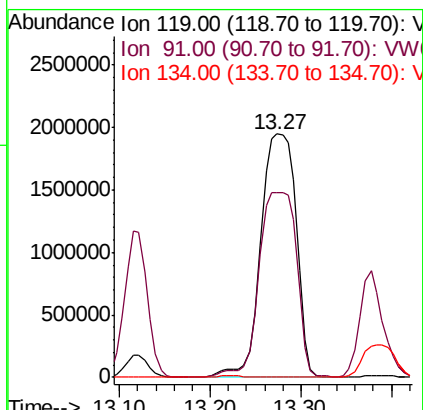
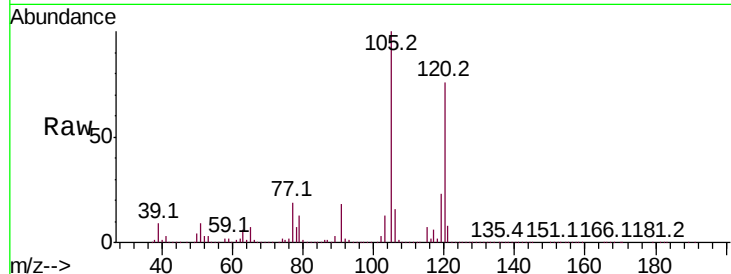
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W

ClientSampleId :
KY001SB106-121218-(22-24)

Tot Ion:119 Resp: 5235122

Ion	Ratio	Lower	Upper
119	100		
91	80.6	34.2	102.5
134	0.0	12.8	38.4#



#84

1,2,4-Trimethylbenzene

Concen: 4437.158 ug/l

RT: 13.12 min Scan# 1840

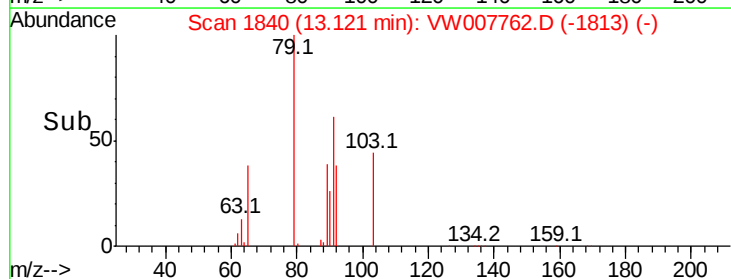
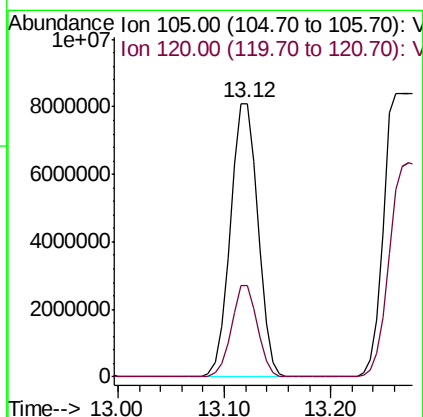
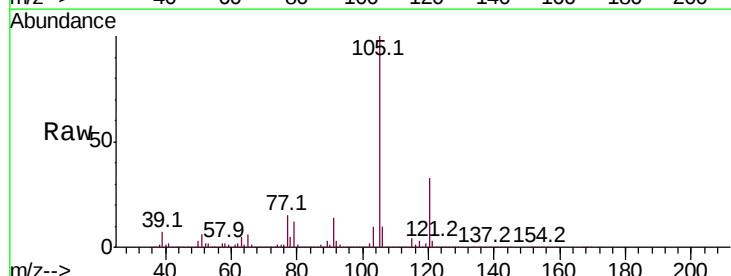
Delta R.T. -0.13 min

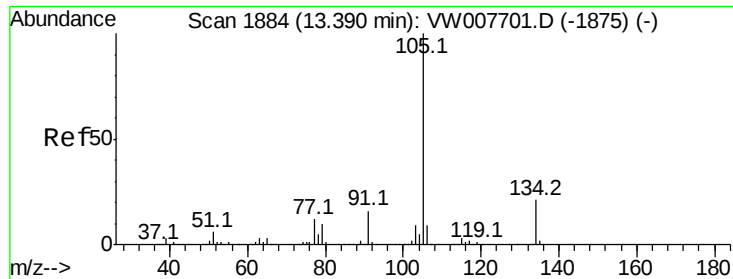
Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Tgt Ion:105 Resp:14724469

Ion	Ratio	Lower	Upper
105	100		
120	31.6	22.0	66.0





#85

sec-Butylbenzene

Concen: 397.861 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

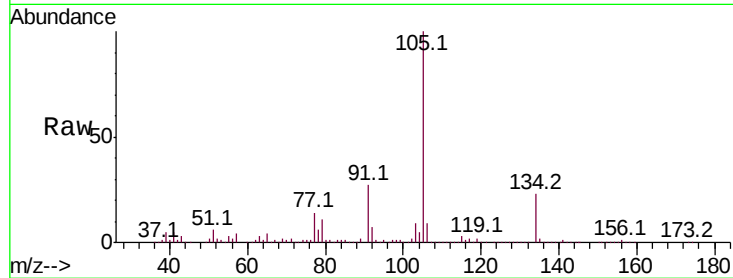
KY001SB106-121218-(22-24)

Tot Ion:105 Resp: 1582216

Ion Ratio Lower Upper

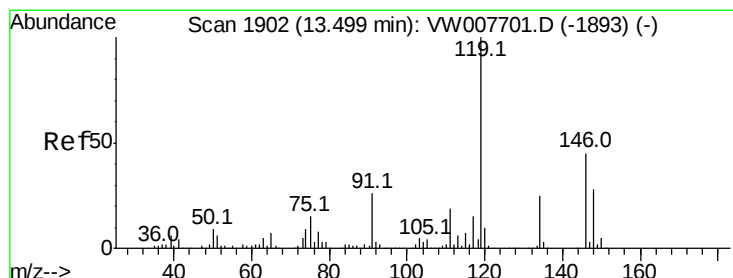
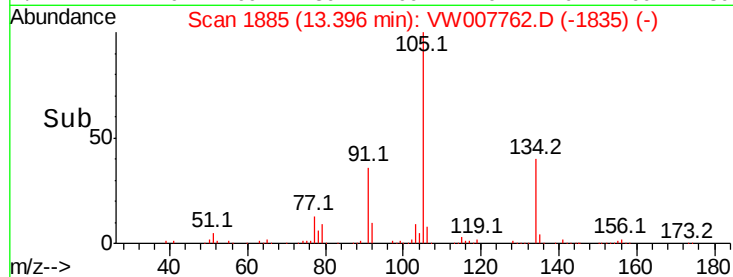
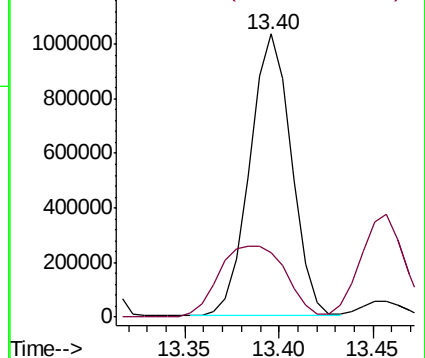
105 100

134 40.8 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 271.611 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

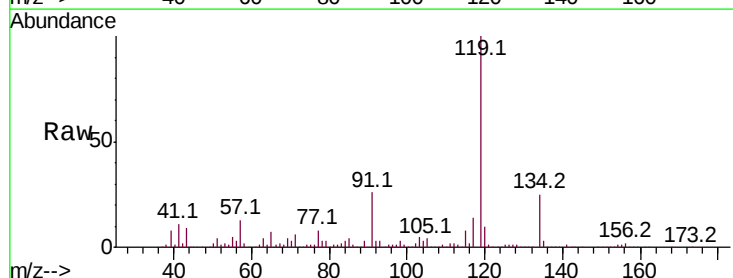
Tgt Ion:119 Resp: 982191

Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

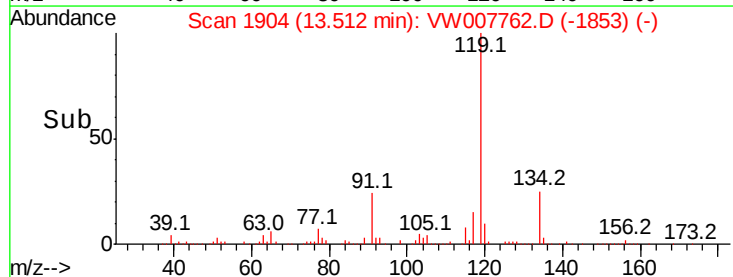
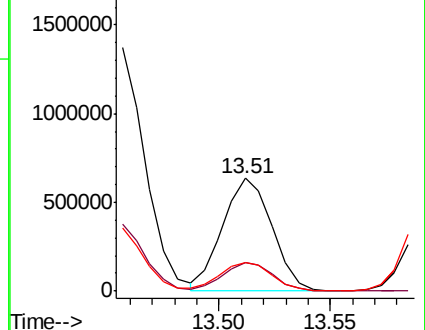
91 25.6 12.8 38.4

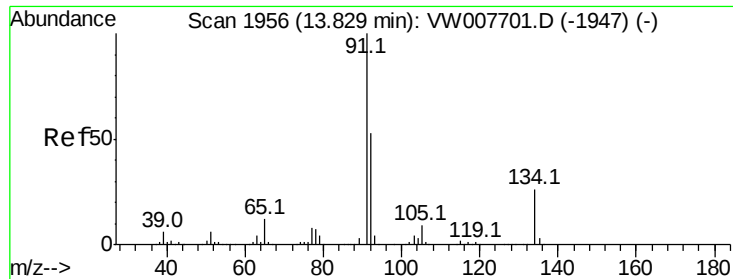


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 651.763 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

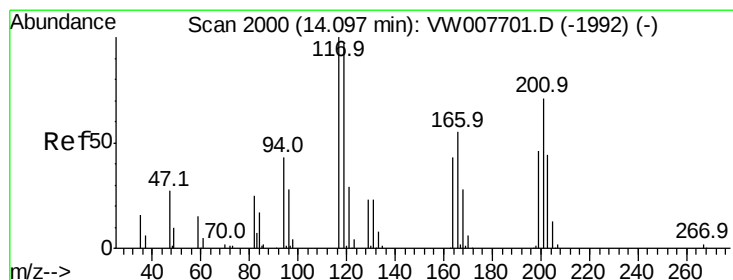
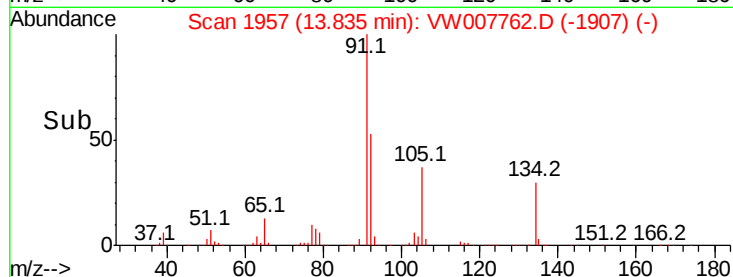
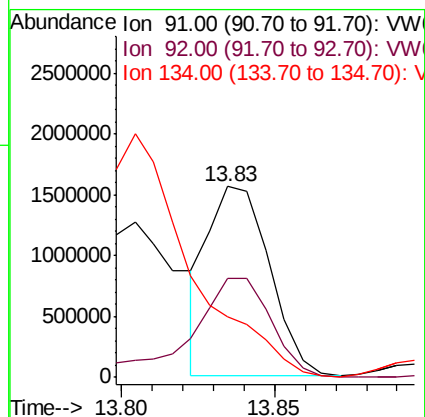
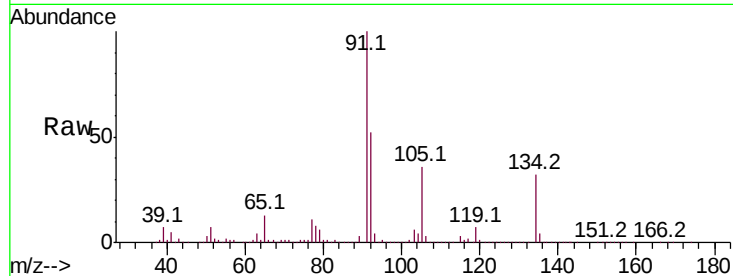
Tot Ion: 91 Resp: 2160970

Ion Ratio Lower Upper

91 100

92 69.3 26.4 79.2

134 0.0 13.7 41.0#



#90

Hexachloroethane

Concen: 1388.887 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007762.D

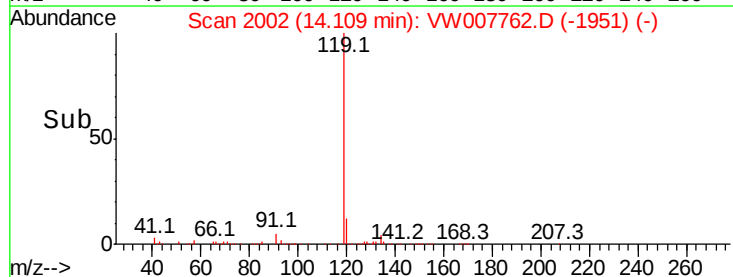
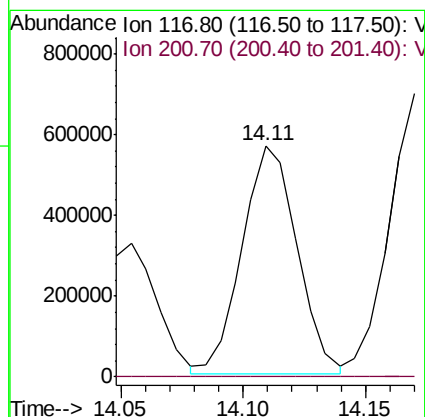
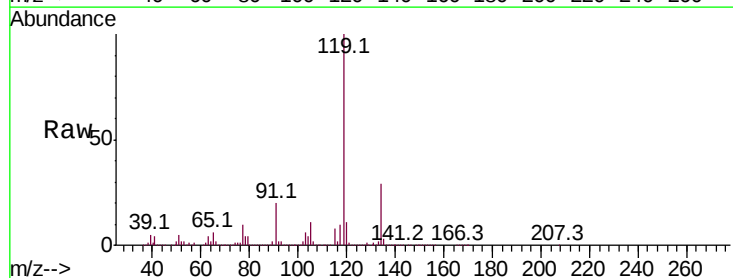
Acq: 20 Dec 2018 21:52

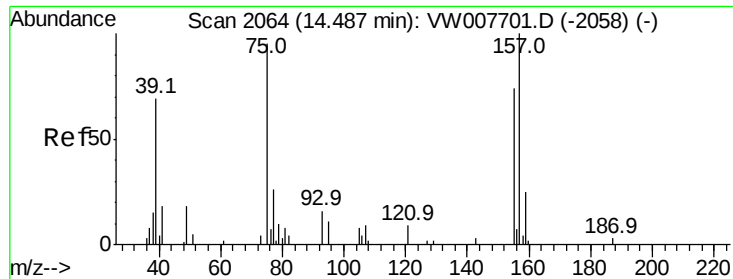
Tgt Ion: 117 Resp: 881746

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 416.450 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

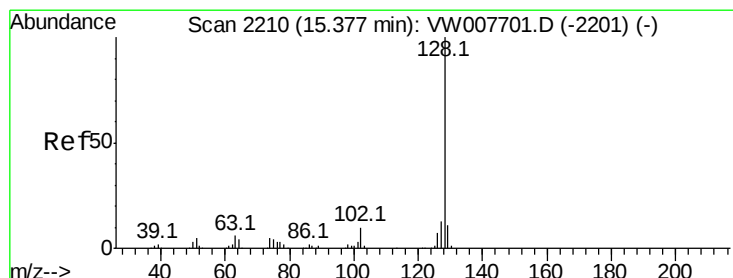
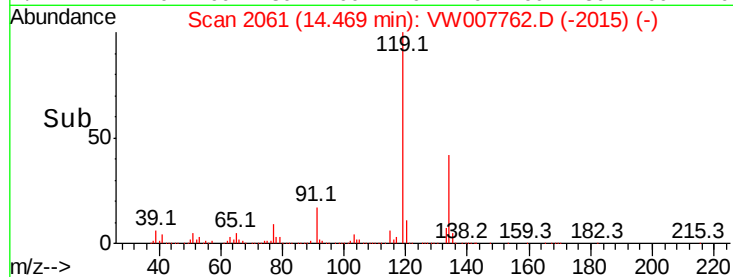
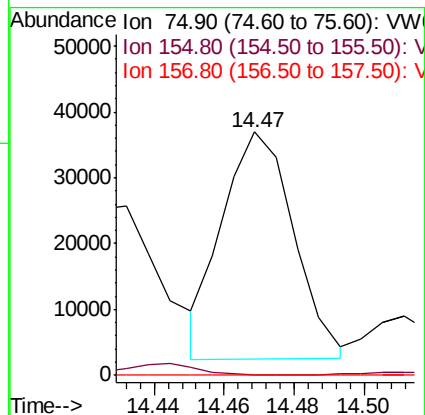
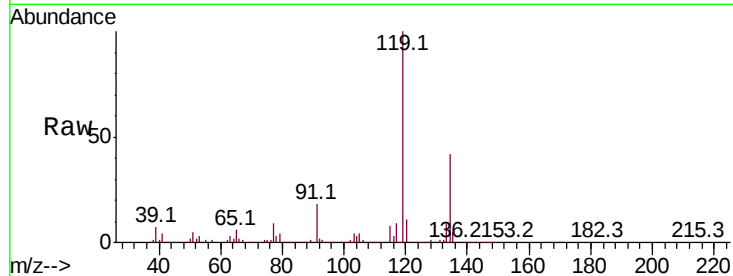
Tot Ion: 75 Resp: 48889

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#



#95

Naphthalene

Concen: 3597.762 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Tgt Ion:128 Resp: 7171796

Ion Ratio Lower Upper

128 100

127 14.2 10.7 16.1

129 11.3 8.8 13.2

