

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008567.D
 Acq On : 07 Feb 2019 21:44
 Operator : SY/VA
 Sample : K1409-04
 Misc : 5.20G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(13-16)

Quant Time: Feb 08 22:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	515551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	929141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	890563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	460493	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	315628	62.32	ug/l	0.00
Spiked Amount			Recovery	=	124.64%	
35) Dibromofluoromethane	7.88	113	282999	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	10.32	98	2975498	136.57	ug/l	0.00
Spiked Amount			Recovery	=	273.14%	
62) 4-Bromofluorobenzene	12.62	95	1062592	126.89	ug/l	0.00
Spiked Amount			Recovery	=	253.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	215	3.320	ug/l #	41
7) Trichlorofluoromethane	3.26	101	194	4.762	ug/l #	59
11) Tert butyl alcohol	5.17	59	5553	13.618	ug/l #	70
13) Acrolein	4.10	56	1332117	3644.848	ug/l #	74
14) Allyl chloride	4.75	41	295624	32.991	ug/l #	22
15) Acrylonitrile	5.43	53	2617103	2357.328	ug/l #	40
16) Acetone	4.10	43	4113654	3616.790	ug/l #	57
19) Methyl tert-butyl Ether	5.43	73	12875	1.649	ug/l #	1
20) Methylene Chloride	4.77	84	112995	21.555	ug/l #	10
23) Vinyl Acetate	6.21	43	391914	39.082	ug/l #	74
24) 1,1-Dichloroethane	6.22	63	39400	4.099	ug/l #	83
25) 2-Butanone	7.17	43	952422	602.877	ug/l #	52
26) 2,2-Dichloropropane	7.14	77	9294	1.430	ug/l #	55
29) Tetrahydrofuran	7.52	42	39143	39.099	ug/l #	36
30) Chloroform	7.62	83	1777437	187.984	ug/l #	19
31) Cyclohexane	7.93	56	29292795	2946.961	ug/l #	49
37) Ethyl Acetate	7.17	43	952422	245.275	ug/l #	70
38) Carbon Tetrachloride	7.95	117	51513	5.833	ug/l #	16
39) Methylcyclohexane	9.52	83	1530430	132.737	ug/l #	1
41) Methacrylonitrile	7.52	41	449193	195.366	ug/l #	56
43) Isopropyl Acetate	8.42	43	11569308	1434.110	ug/l #	54
45) 1,2-Dichloropropane	9.34	63	580096	95.528	ug/l #	1
46) Dibromomethane	9.41	93	68046	21.787	ug/l #	1
47) Bromodichloromethane	9.62	83	2619688	317.107	ug/l #	31
48) Methyl methacrylate	9.39	41	7469607	1893.639	ug/l #	14
49) 1,4-Dioxane	9.46	88	100	1.894	ug/l #	1
51) 4-Methyl-2-Pentanone	10.25	43	1521473	381.755	ug/l #	71
52) Toluene	10.39	92	39532	2.459	ug/l #	1
54) cis-1,3-Dichloropropene	10.10	75	10623	1.065	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	11321411	2613.317	ug/l #	22
56) Ethyl methacrylate	10.63	69	1417998	233.594	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.91	63	61171	20.740	ug/l #	47
59) 2-Hexanone	10.94	43	9361085	3327.113	ug/l #	32
60) Dibromochloromethane	11.04	129	61766	11.095	ug/l	70

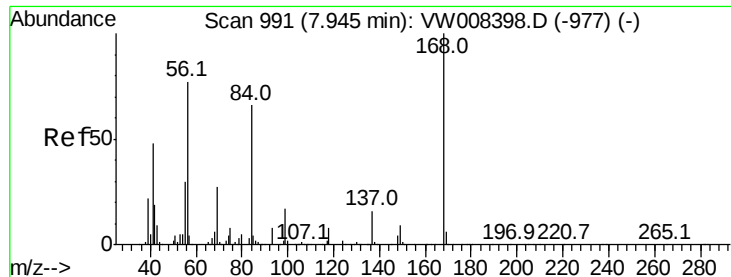
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
61) 1,2-Dibromoethane	11.20	107	46894	10.917	ug/l	#	1
64) Tetrachloroethene	10.87	164	56771	9.415	ug/l		96
65) Chlorobenzene	11.56	112	63414	3.488	ug/l	#	44
67) Ethyl Benzene	11.73	91	4924321	147.360	ug/l		100
68) m/p-Xylenes	11.84	106	3373901	260.219	ug/l		99
69) o-Xylene	12.17	106	68882	5.591	ug/l	#	19
73) Isopropylbenzene	12.47	105	6871954	200.170	ug/l		100
74) N-amyl acetate	12.26	43	3826444	432.653	ug/l	#	62
75) 1,1,2,2-Tetrachloroethane	12.70	83	162490	29.896	ug/l	#	1
76) 1,2,3-Trichloropropane	12.80	75	215901	53.926	ug/l	#	1
78) n-propylbenzene	12.80	91	19658053	476.752	ug/l	#	65
79) 2-Chlorotoluene	12.87	91	8198151	352.340	ug/l	#	42
80) 1,3,5-Trimethylbenzene	13.10	105	15530431	541.231	ug/l		79
81) trans-1,4-Dichloro-2-buten	12.46	75	88108	43.465	ug/l	#	3
82) 4-Chlorotoluene	12.95	91	3198355	129.108	ug/l	#	43
83) tert-Butylbenzene	13.26	119	8258862	323.434	ug/l	#	67
84) 1,2,4-Trimethylbenzene	13.10	105	15530431	532.486	ug/l		83
85) sec-Butylbenzene	13.38	105	4967675	136.223	ug/l	#	53
86) p-Isopropyltoluene	13.50	119	2585294	80.934	ug/l		99
89) n-Butylbenzene	13.83	91	10856542	346.147	ug/l	#	74
90) Hexachloroethane	14.10	117	2937614	470.251	ug/l	#	10
91) 1,2-Dichlorobenzene	13.87	146	17597	1.313	ug/l	#	1
92) 1,2-Dibromo-3-Chloropropan	14.51	75	45051	43.685	ug/l	#	12
95) Naphthalene	15.37	128	2526562	150.503	ug/l		97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

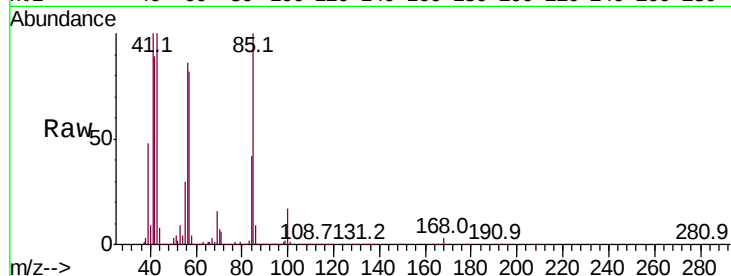
SB-09(13-16)

Tot Ion:168 Resp: 515551

Ion Ratio Lower Upper

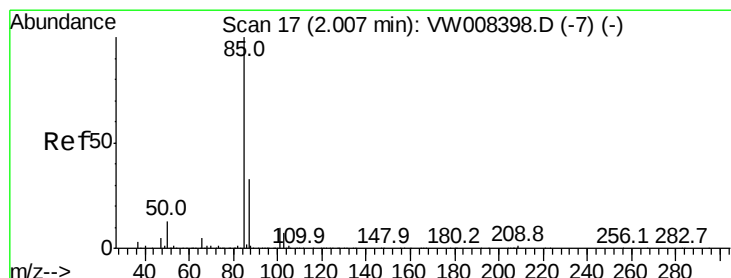
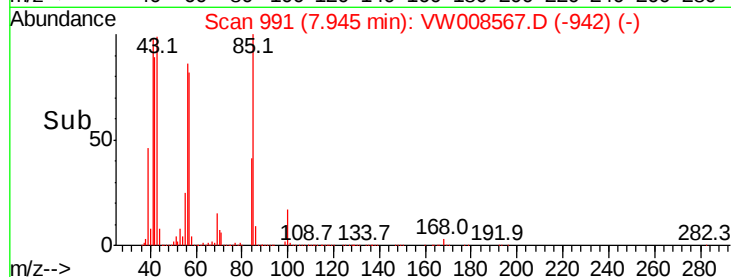
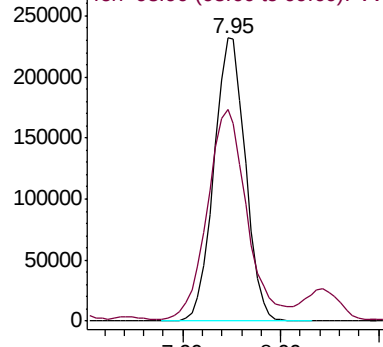
168 100

99 74.2 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.320 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008567.D

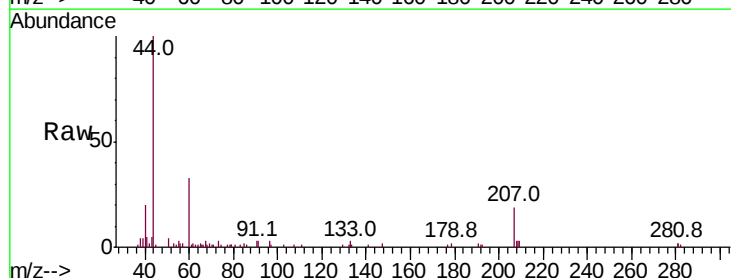
Acq: 07 Feb 2019 21:44

Tgt Ion: 85 Resp: 215

Ion Ratio Lower Upper

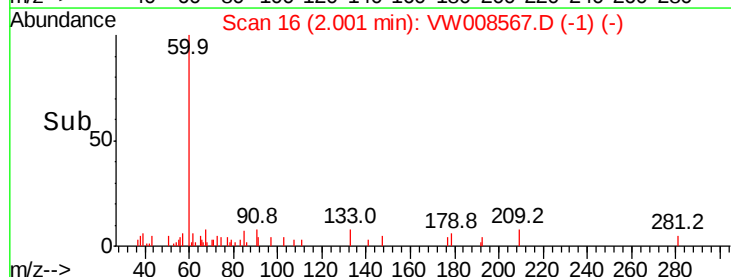
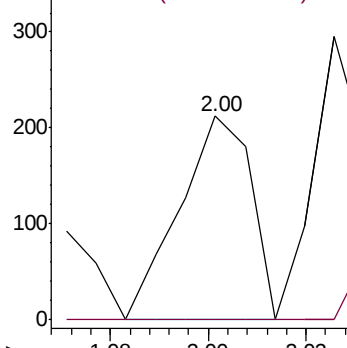
85 100

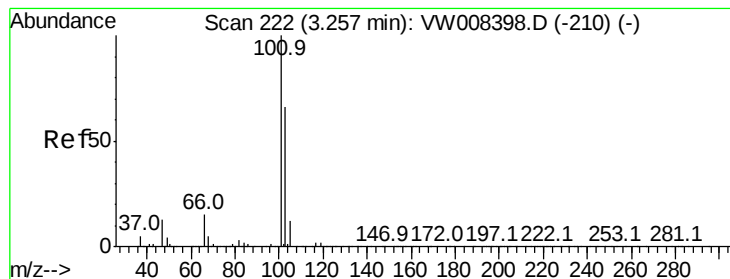
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



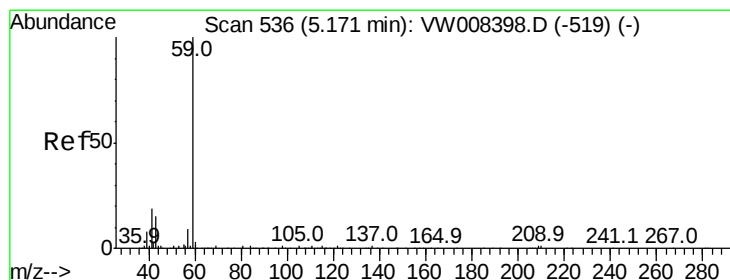
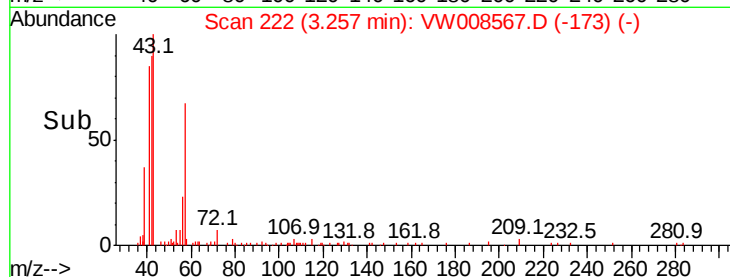
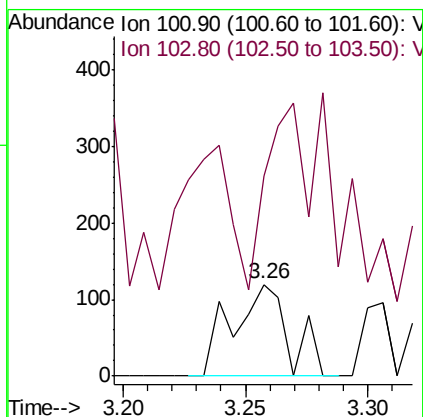
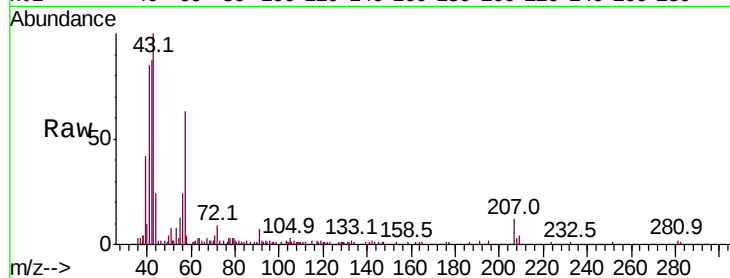


#7

Trichlorofluoromethane
Concen: 4.762 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

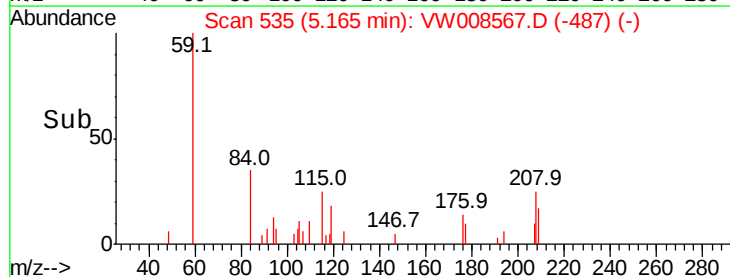
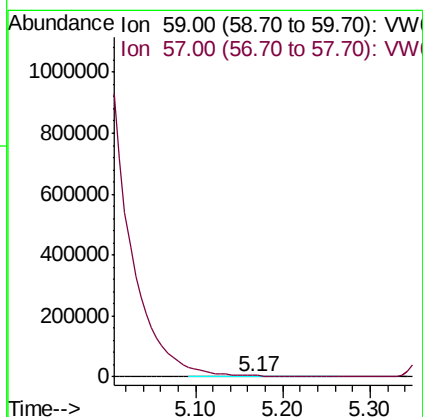
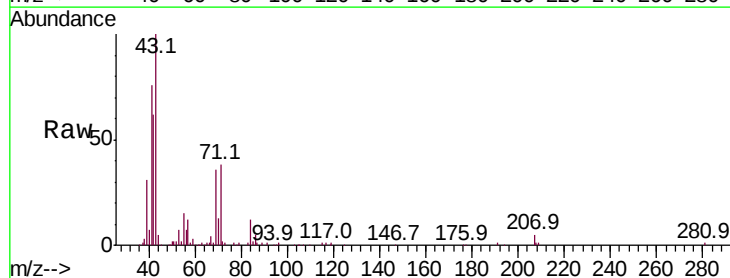
Tot Ion:101 Resp: 194
Ion Ratio Lower Upper
101 100
103 98.3 52.5 78.7#

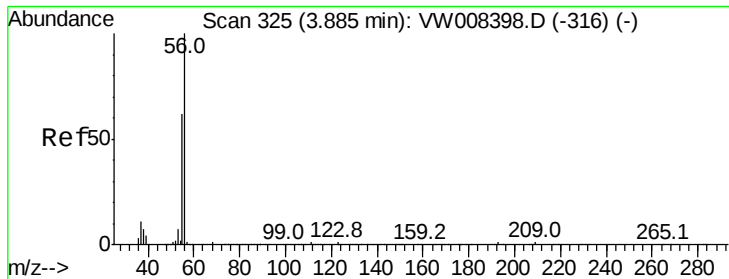


#11

Tert butyl alcohol
Concen: 13.618 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 59 Resp: 5553
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: 3644.848 ug/l

RT: 4.10 min Scan# 361

Delta R.T. 0.22 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

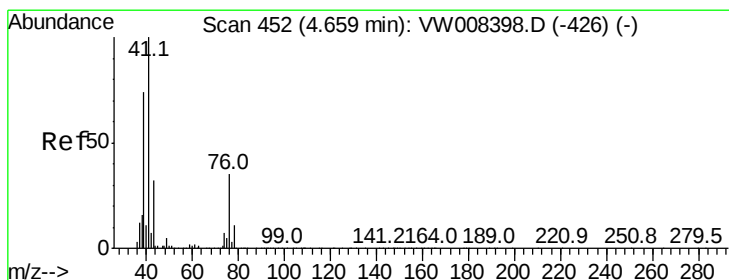
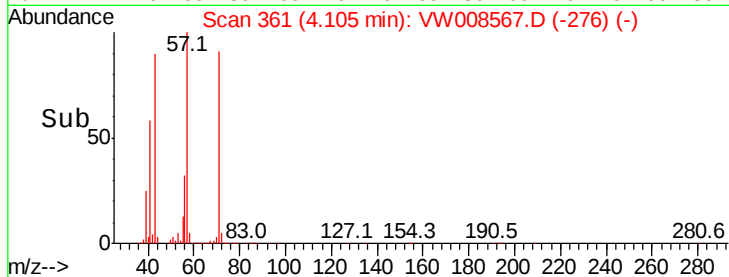
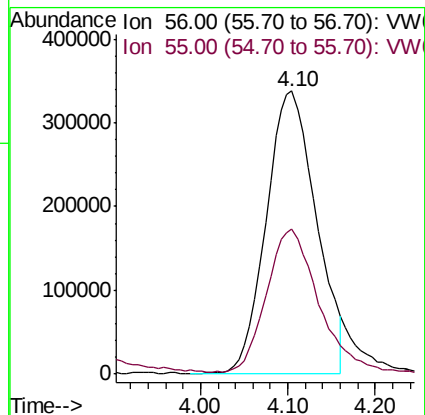
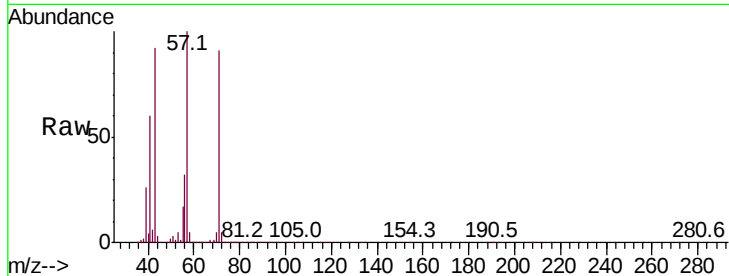
SB-09(13-16)

Tot Ion: 56 Resp: 1332117

Ion Ratio Lower Upper

56 100

55 49.8 56.7 85.1#



#14

Allyl chloride

Concen: 32.991 ug/l

RT: 4.75 min Scan# 467

Delta R.T. 0.09 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

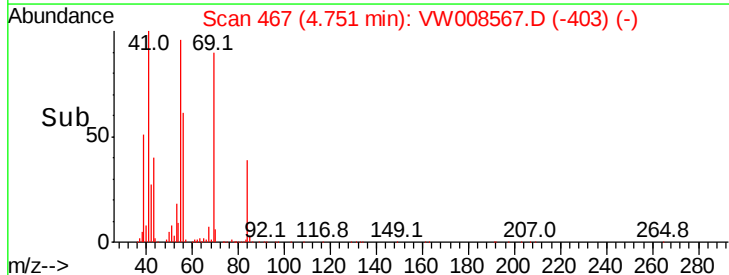
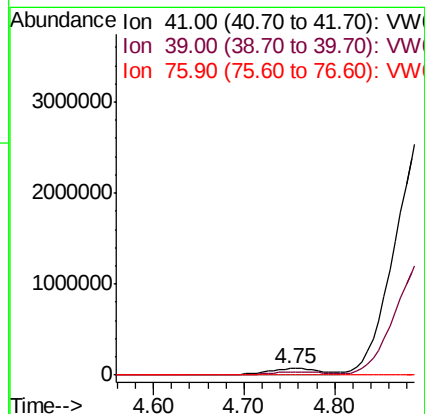
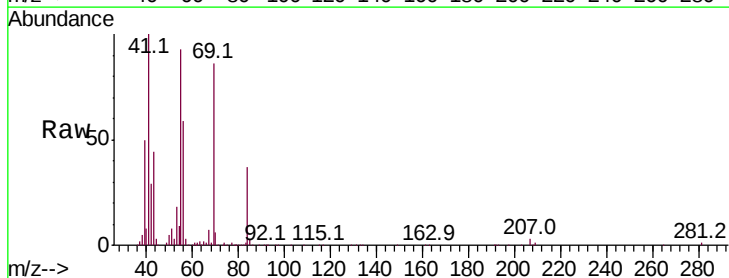
Tgt Ion: 41 Resp: 295624

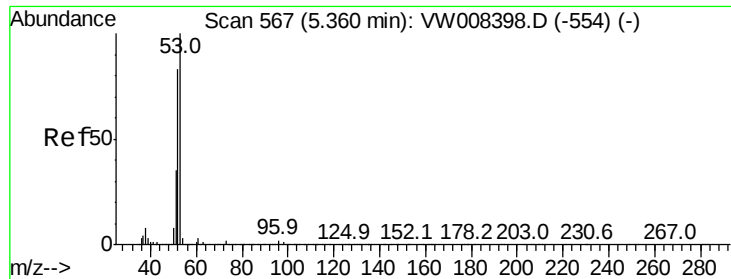
Ion Ratio Lower Upper

41 100

39 0.0 57.7 86.5#

76 0.0 26.9 40.3#





#15

Acrylonitrile

Concen: 2357.328 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

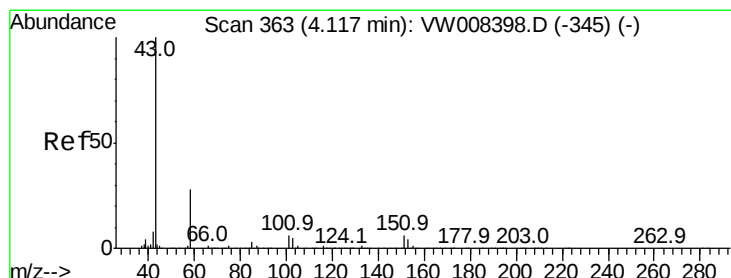
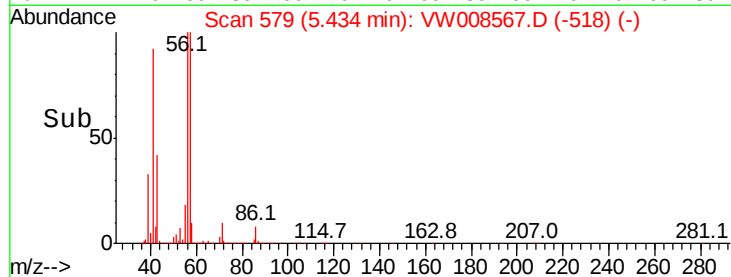
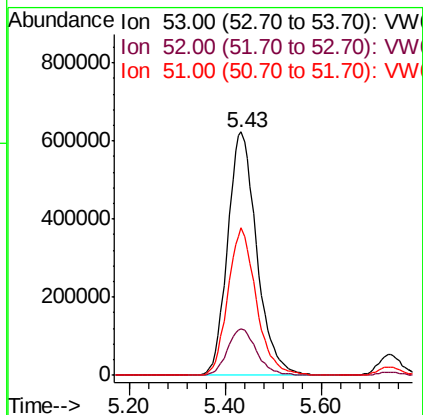
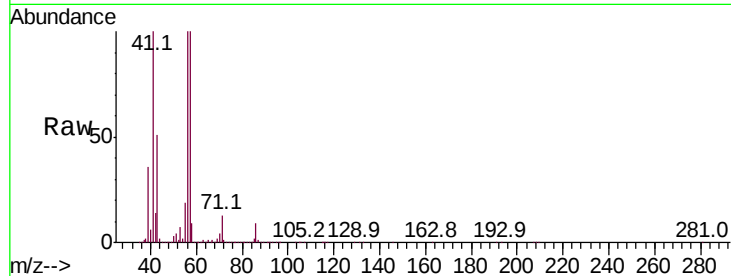
Tot Ion: 53 Resp: 2617103

Ion Ratio Lower Upper

53 100

52 19.4 67.0 100.4#

51 58.9 29.8 44.8#



#16

Acetone

Concen: 3616.790 ug/l

RT: 4.10 min Scan# 360

Delta R.T. -0.02 min

Lab File: VW008567.D

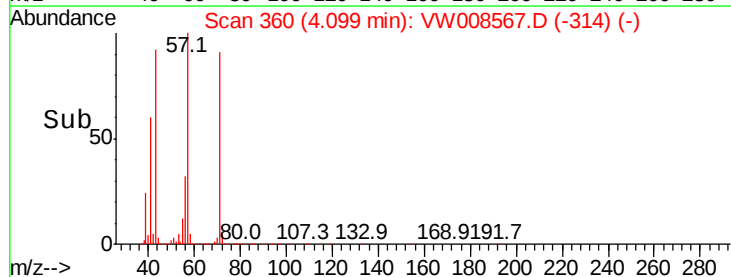
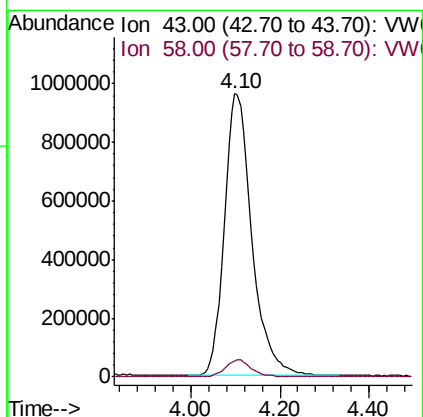
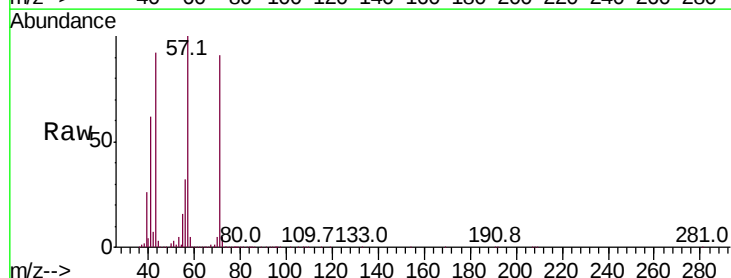
Acq: 07 Feb 2019 21:44

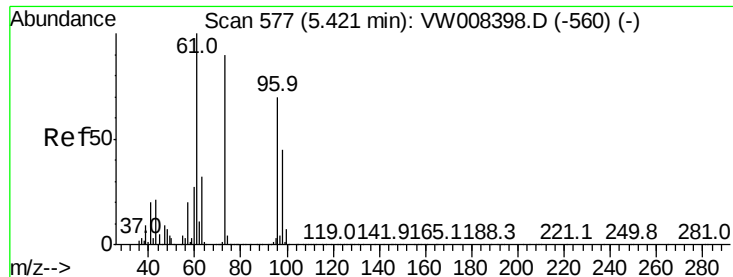
Tgt Ion: 43 Resp: 4113654

Ion Ratio Lower Upper

43 100

58 5.7 22.6 34.0#



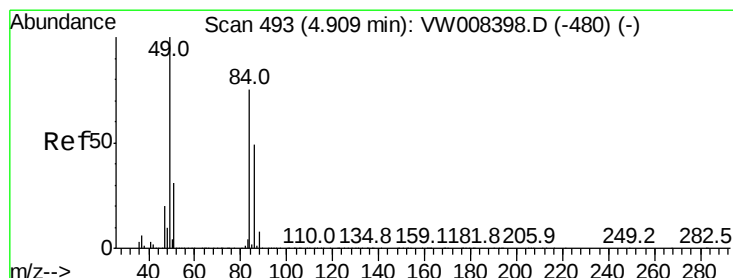
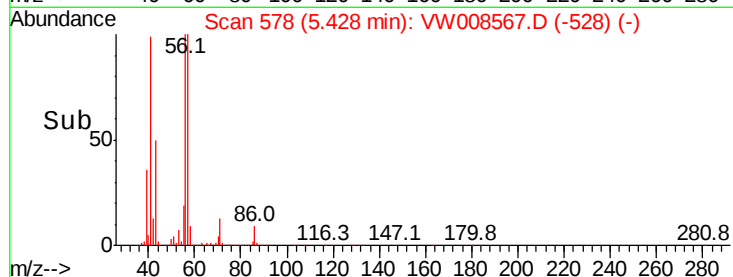
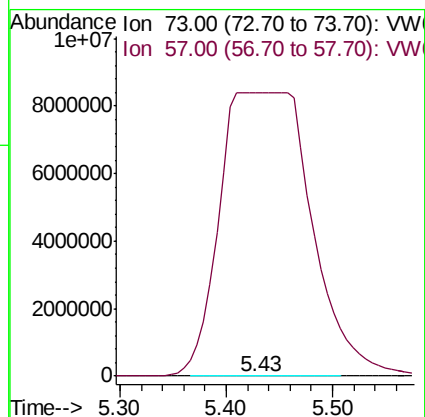
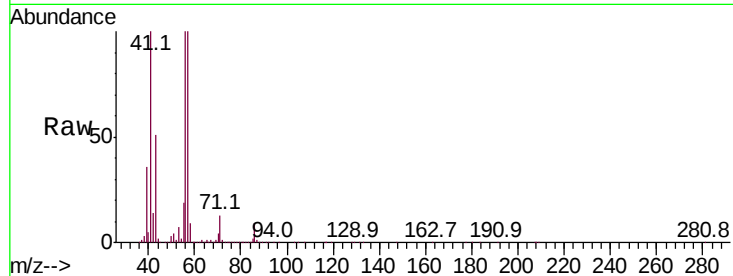


#19

Methyl tert-butyl Ether
 Concen: 1.649 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(13-16)

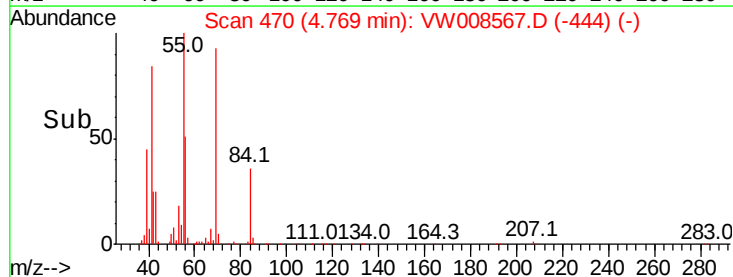
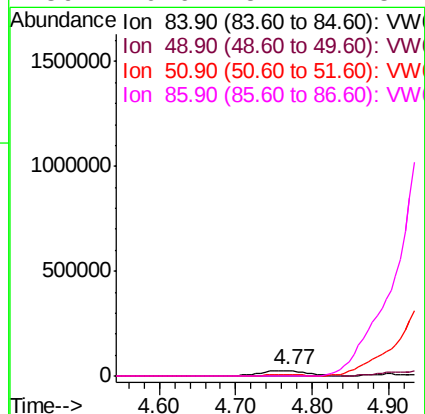
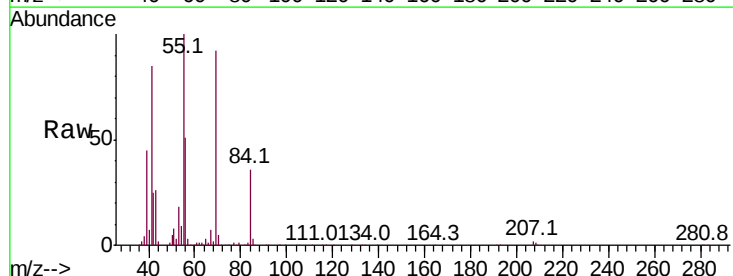
Tot Ion: 73 Resp: 12875
 Ion Ratio Lower Upper
 73 100
 57 208522.4 18.0 27.0#

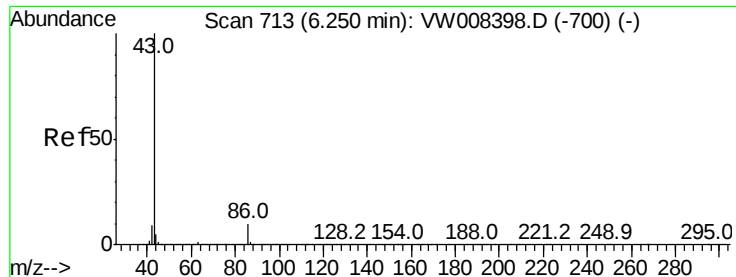


#20

Methylene Chloride
 Concen: 21.555 ug/l
 RT: 4.77 min Scan# 470
 Delta R.T. -0.14 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

Tgt Ion: 84 Resp: 112995
 Ion Ratio Lower Upper
 84 100
 49 2.4 106.8 160.2#
 51 20.6 32.9 49.3#
 86 0.6 52.2 78.2#





#23

Vinyl Acetate

Concen: 39.082 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.04 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

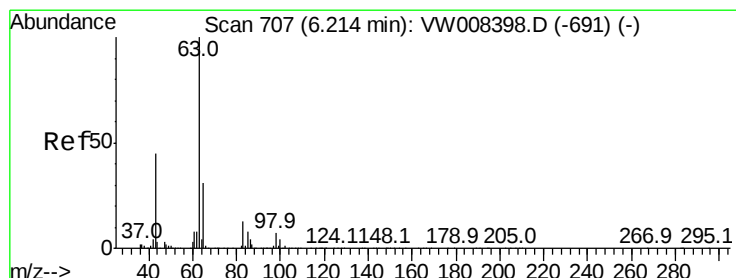
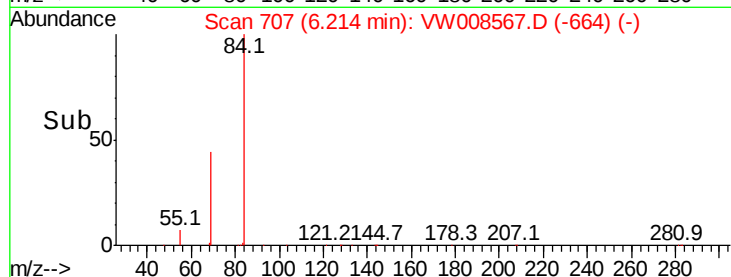
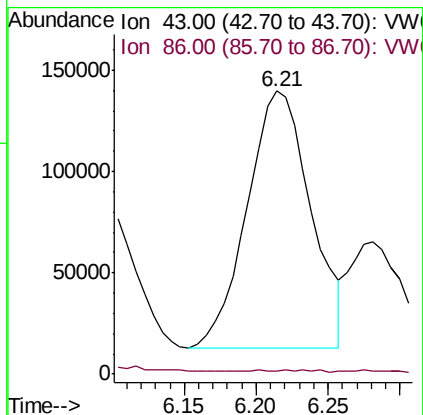
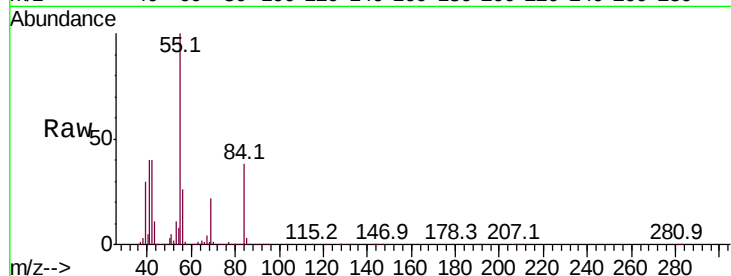
SB-09(13-16)

Tot Ion: 43 Resp: 391914

Ion Ratio Lower Upper

43 100

86 0.2 7.8 11.8#



#24

1,1-Dichloroethane

Concen: 4.099 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

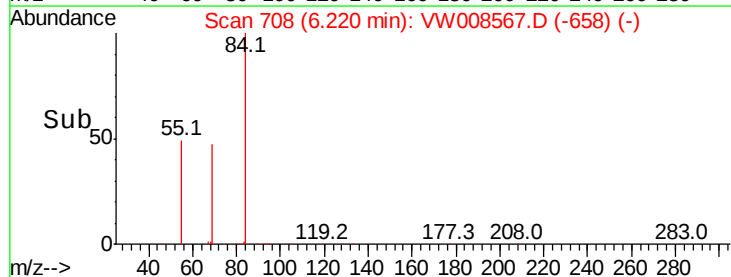
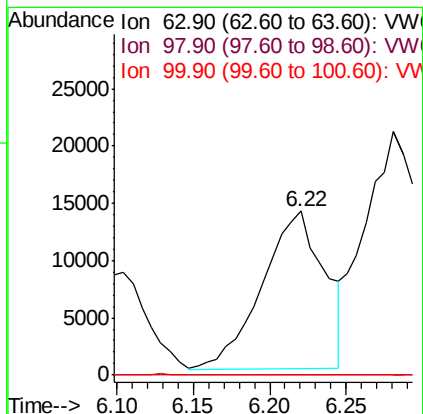
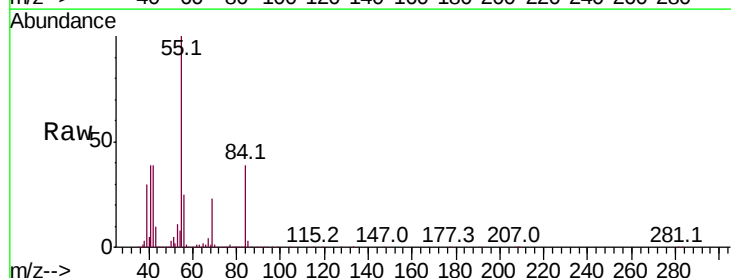
Tgt Ion: 63 Resp: 39400

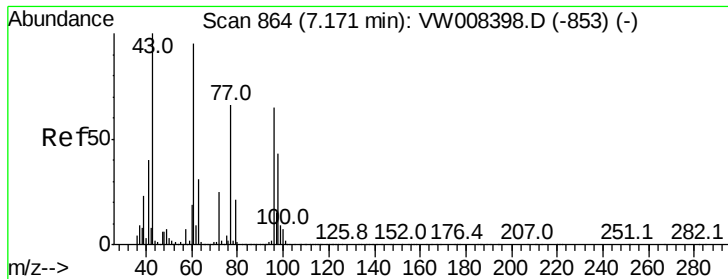
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.1 6.2#





#25

2-Butanone

Concen: 602.877 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

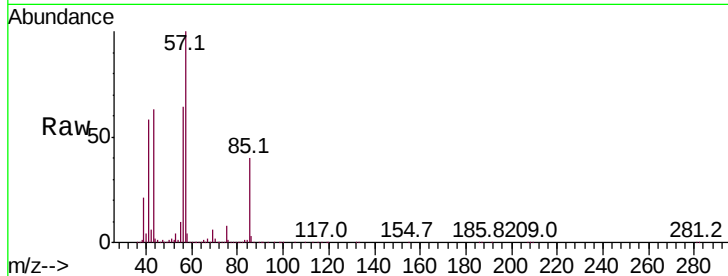
SB-09(13-16)

Tot Ion: 43 Resp: 952422

Ion Ratio Lower Upper

43 100

72 0.7 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

1500000 Ion 72.00 (71.70 to 72.70): VW

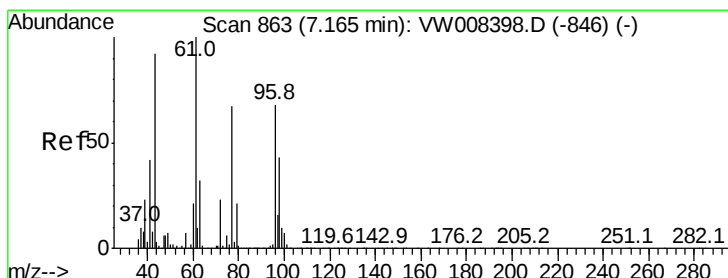
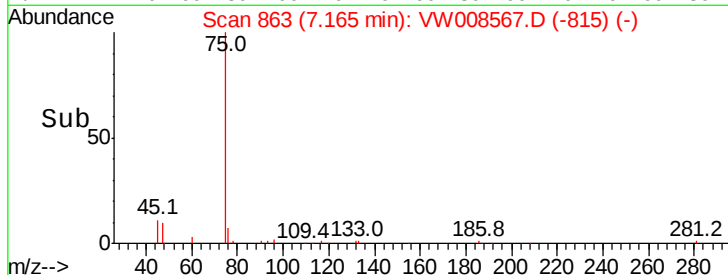
1000000

500000

0

7.17

Time-->



#26

2,2-Dichloropropane

Concen: 1.430 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008567.D

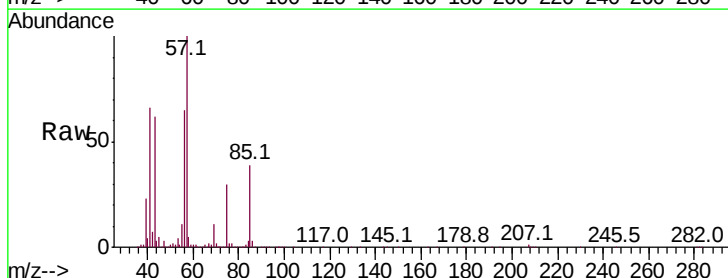
Acq: 07 Feb 2019 21:44

Tgt Ion: 77 Resp: 9294

Ion Ratio Lower Upper

77 100

97 1.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

6000 Ion 96.90 (96.60 to 97.60): VW

5000

4000

3000

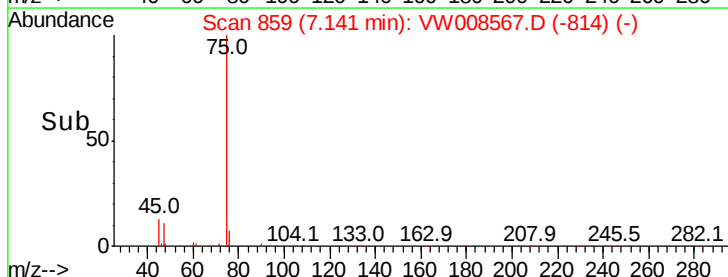
2000

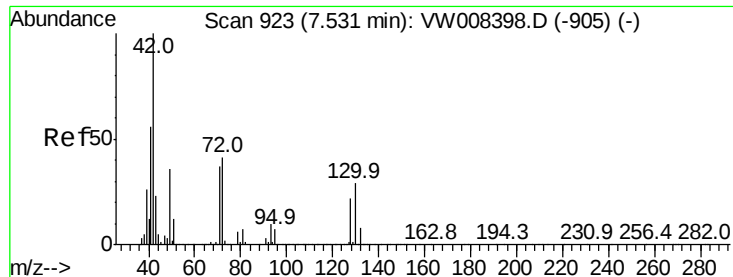
1000

0

7.14

Time-->





#29

Tetrahydrofuran

Concen: 39.099 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

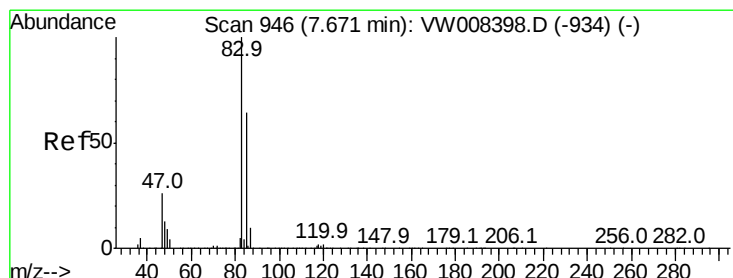
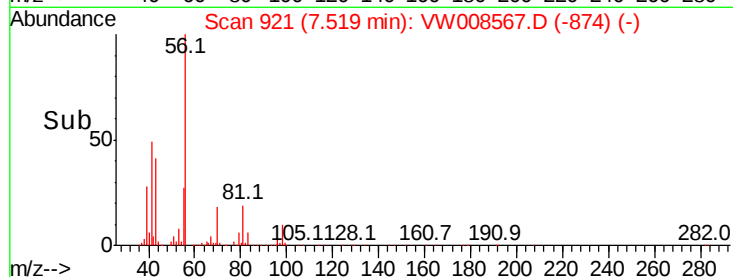
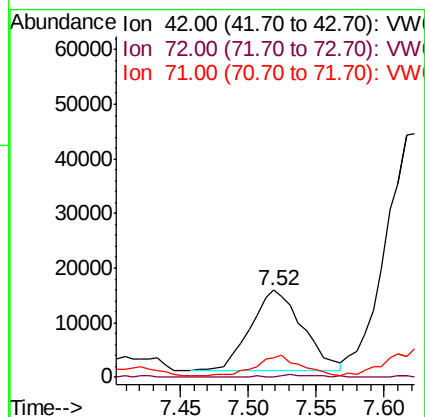
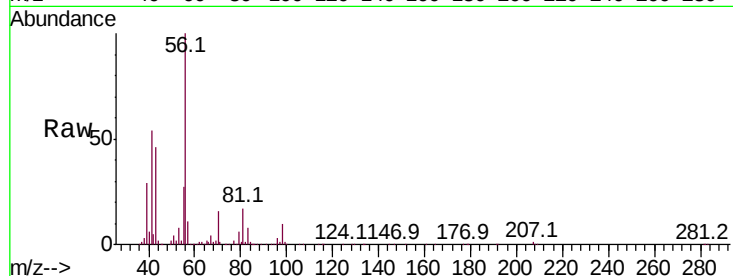
Tot Ion: 42 Resp: 39143

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 0.0 29.9 44.9#



#30

Chloroform

Concen: 187.984 ug/l

RT: 7.62 min Scan# 938

Delta R.T. -0.05 min

Lab File: VW008567.D

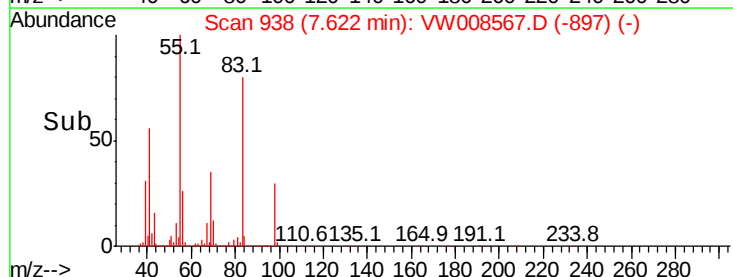
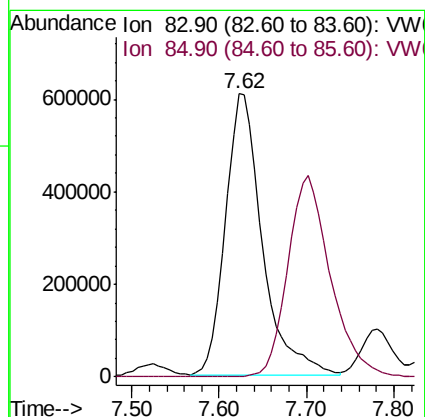
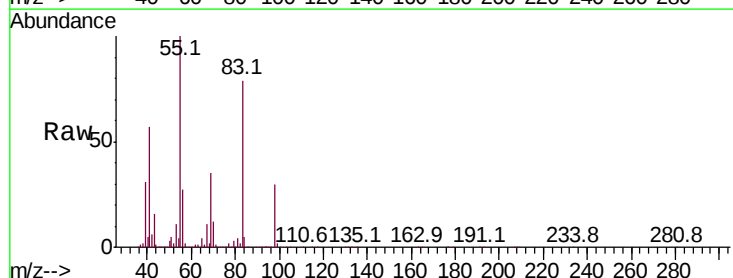
Acq: 07 Feb 2019 21:44

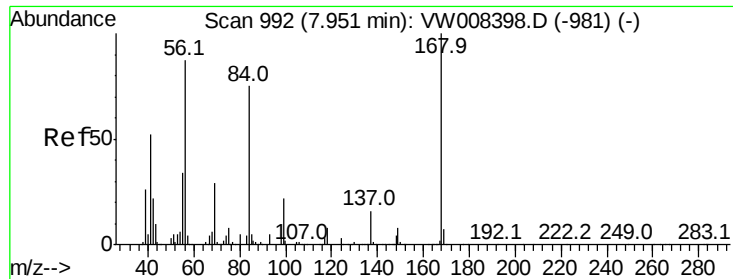
Tgt Ion: 83 Resp: 1777437

Ion Ratio Lower Upper

83 100

85 0.2 50.9 76.3#

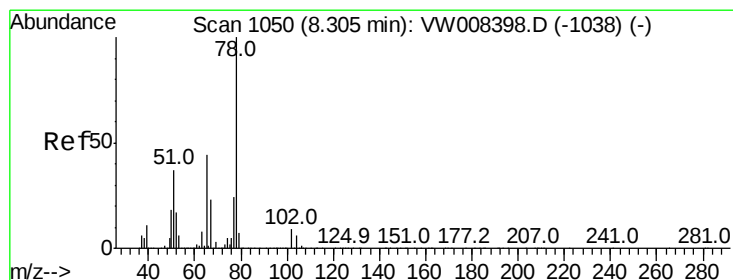
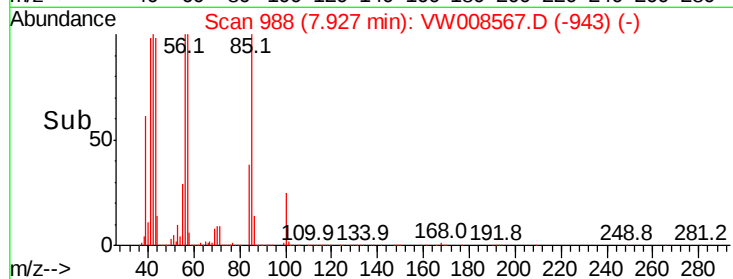
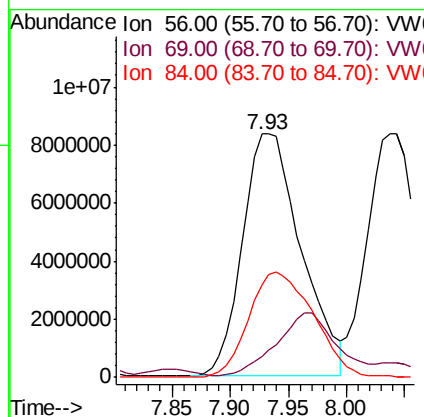
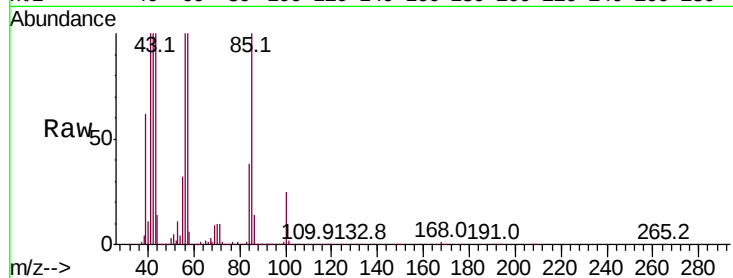




#31
Cyclohexane
Concen: 2946.961 ug/l
RT: 7.93 min Scan# 988
Delta R.T. -0.02 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

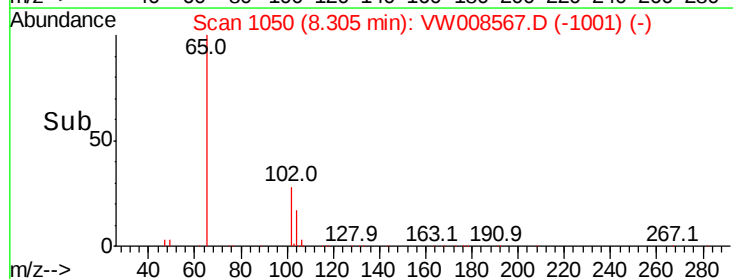
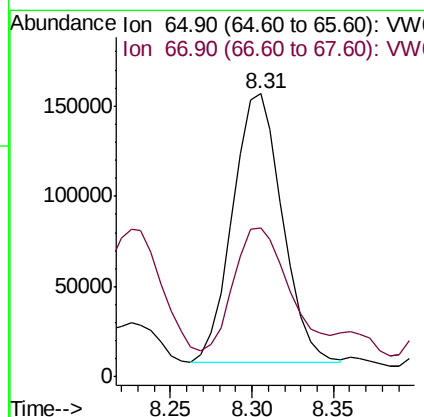
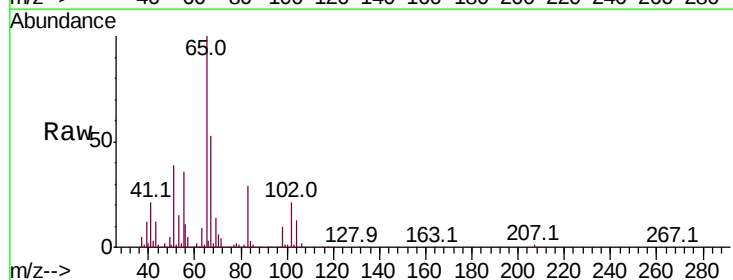
Instrument :
MSVOA_W
ClientSampled :
SB-09(13-16)

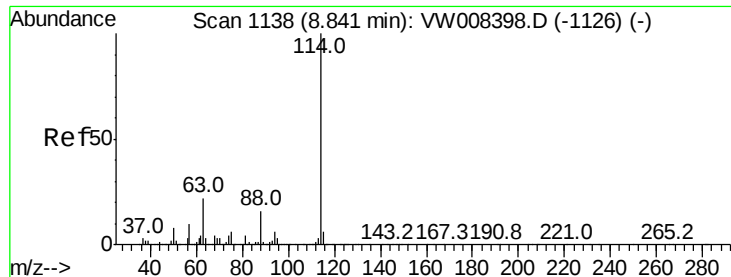
Tot Ion: 56 Resp:29292795
Ion Ratio Lower Upper
56 100
69 6.6 26.4 39.6#
84 38.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 62.318 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 65 Resp: 315628
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

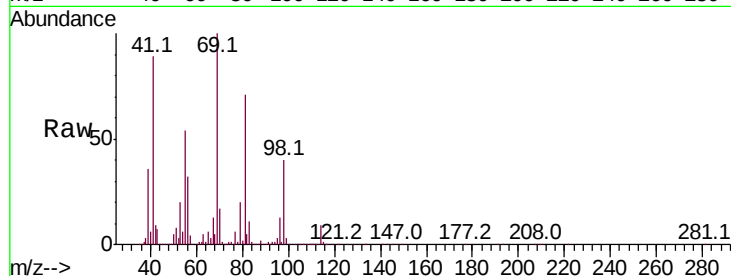
Tot Ion:114 Resp: 929141

Ion Ratio Lower Upper

114 100

63 47.6 0.0 43.6#

88 16.7 0.0 31.8



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

8.84

600000

500000

400000

300000

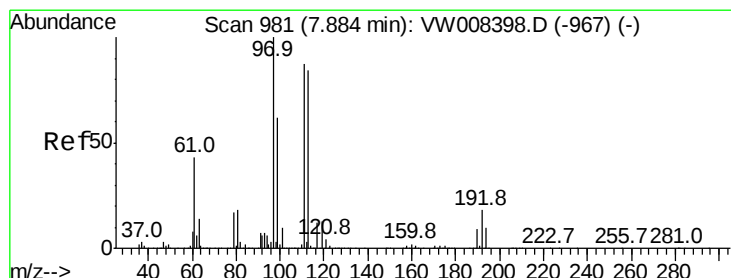
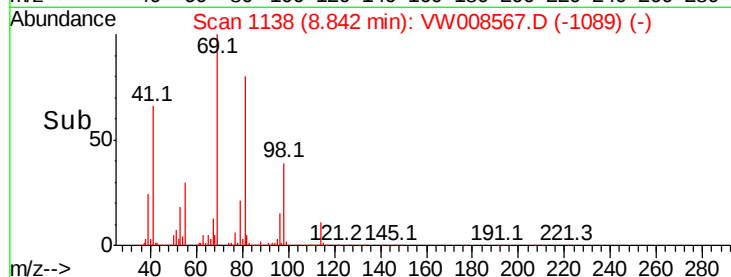
200000

100000

0

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 52.089 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

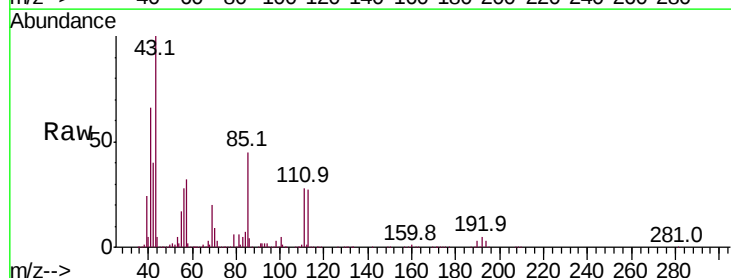
Tgt Ion:113 Resp: 282999

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

192 20.3 16.8 25.2



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

7.88

150000

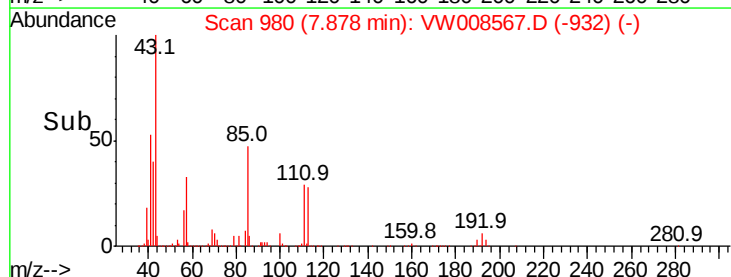
100000

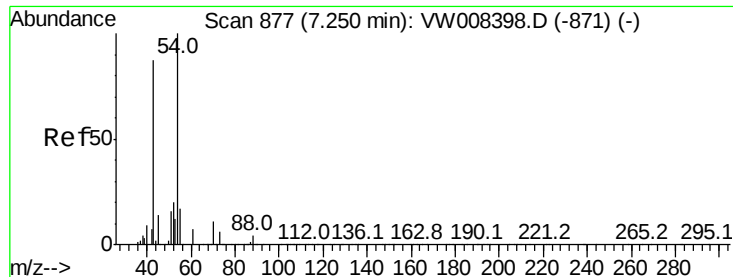
50000

0

7.80 7.90 8.00

Time-->

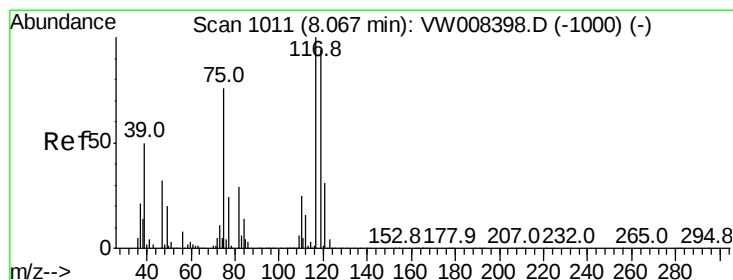
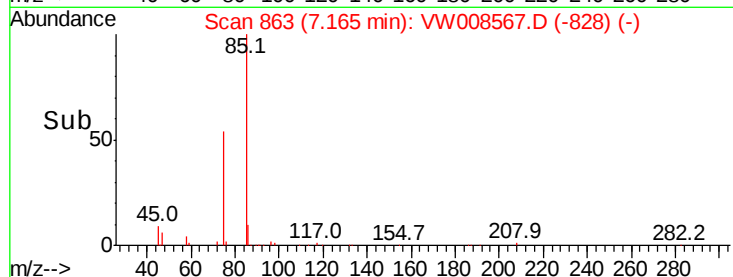
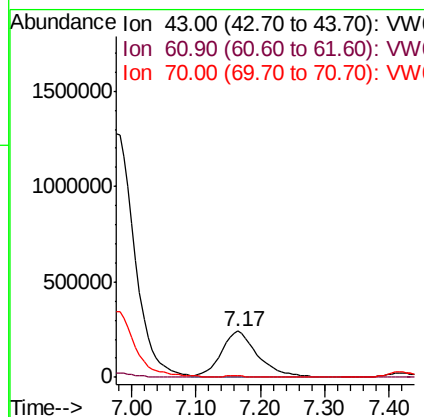
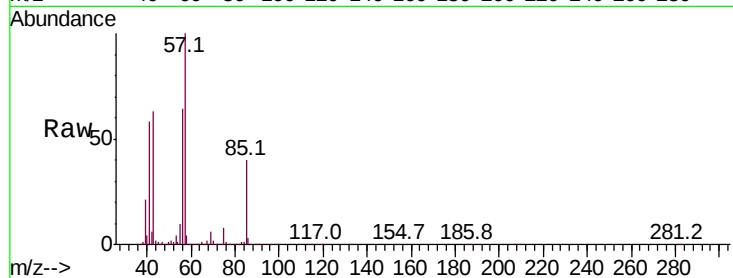




#37
Ethyl Acetate
Concen: 245.275 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.09 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

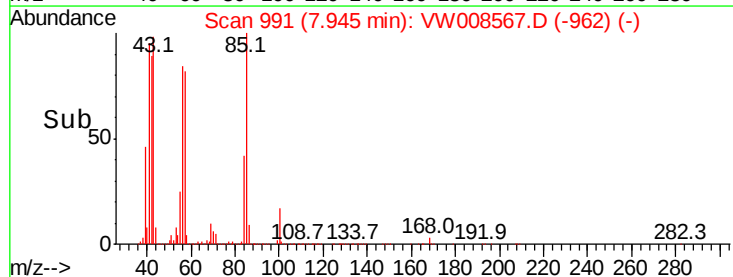
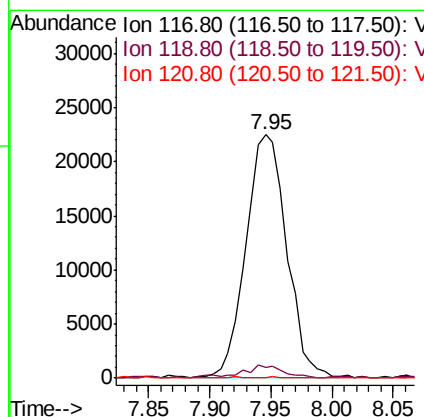
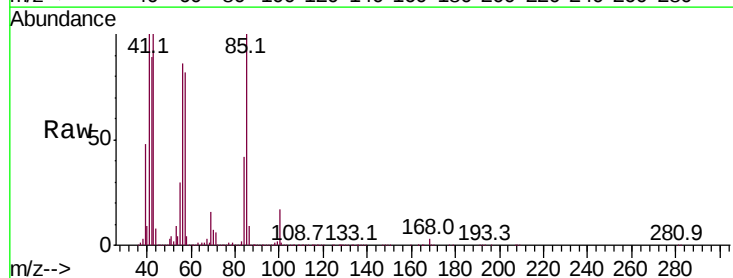
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

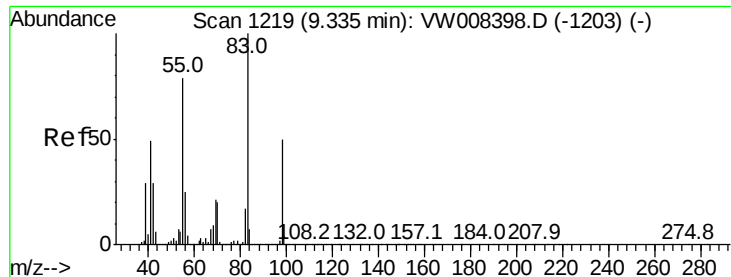
Tot Ion: 43 Resp: 952422
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 117 Resp: 51513
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.4#
121 0.0 24.9 37.3#

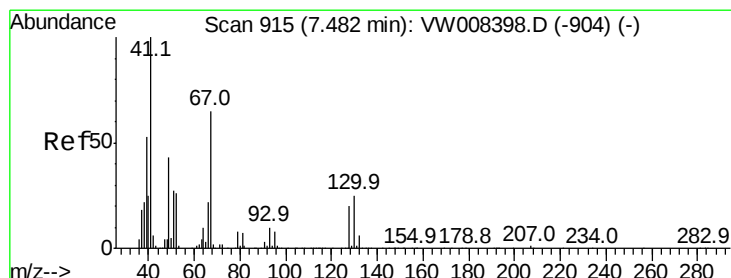
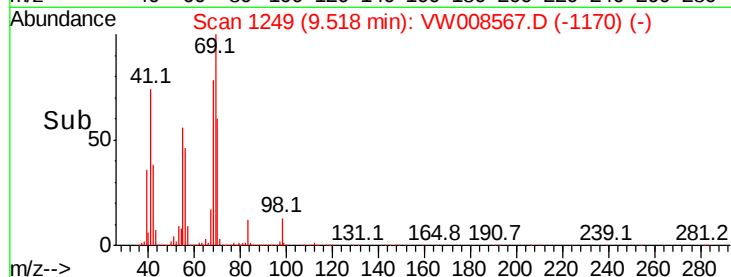
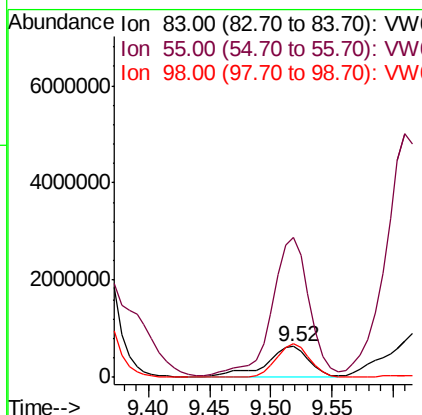
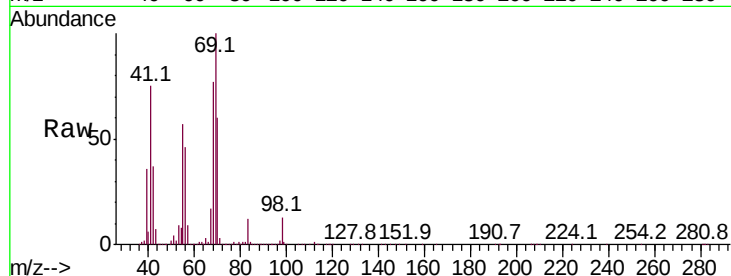




#39
Methylcyclohexane
Concen: 132.737 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.18 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

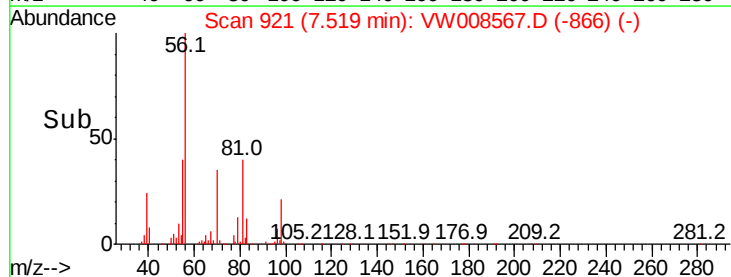
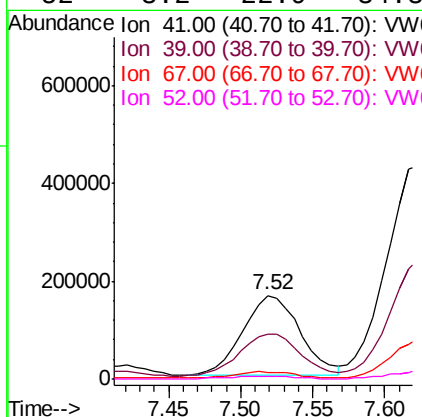
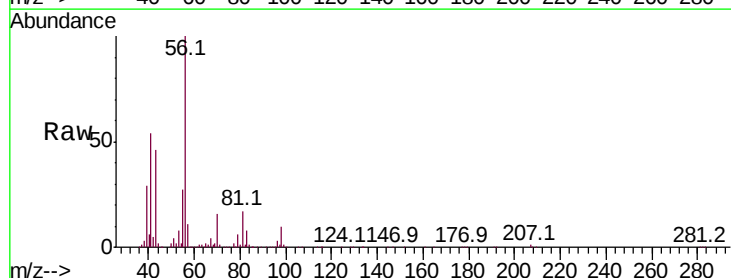
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

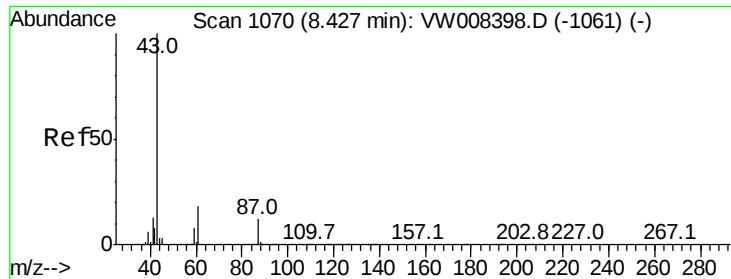
Tot Ion: 83 Resp: 1530430
Ion Ratio Lower Upper
83 100
55 454.8 63.3 94.9#
98 109.5 39.7 59.5#



#41
Methacrylonitrile
Concen: 195.366 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.04 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 41 Resp: 449193
Ion Ratio Lower Upper
41 100
39 56.9 43.4 65.0
67 8.1 54.2 81.2#
52 3.2 22.9 34.3#





#43

Isopropyl Acetate

Concen: 1434.110 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

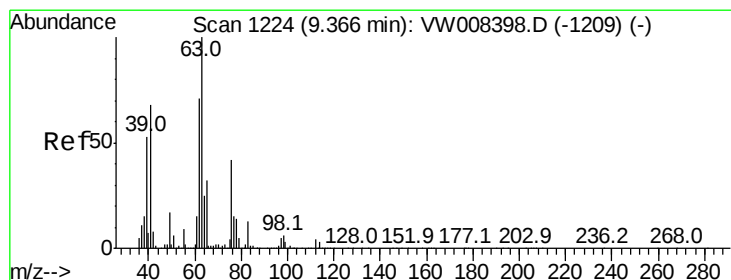
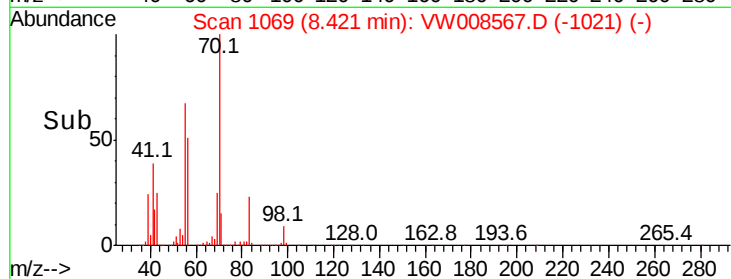
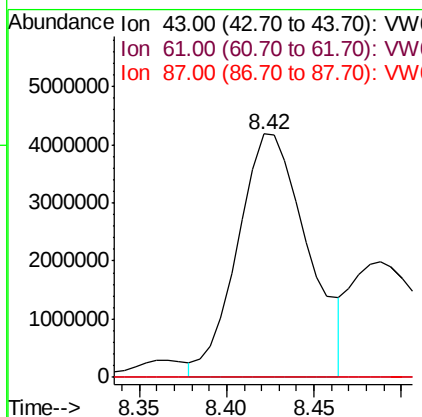
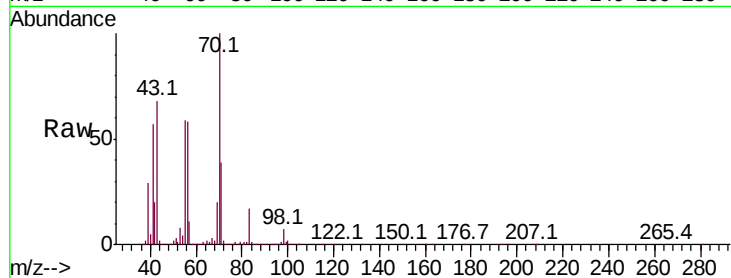
Tot Ion: 43 Resp: 11569308

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

87 0.0 9.3 13.9#



#45

1,2-Dichloropropane

Concen: 95.528 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW008567.D

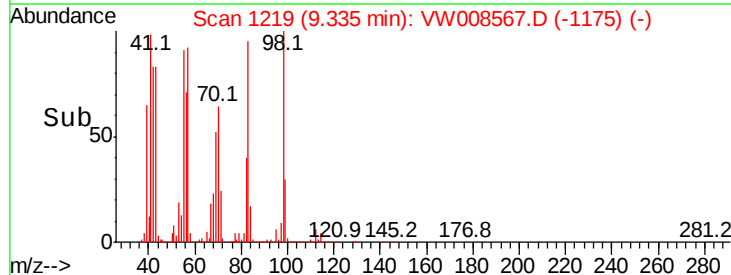
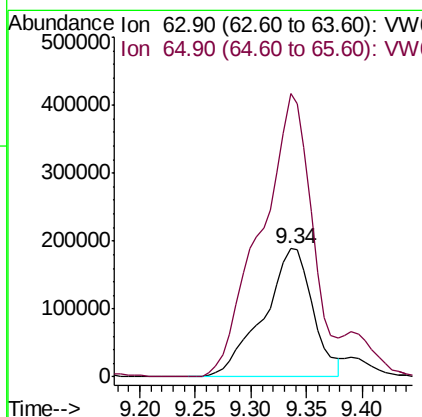
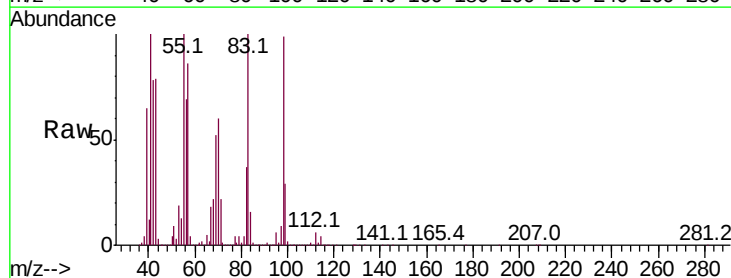
Acq: 07 Feb 2019 21:44

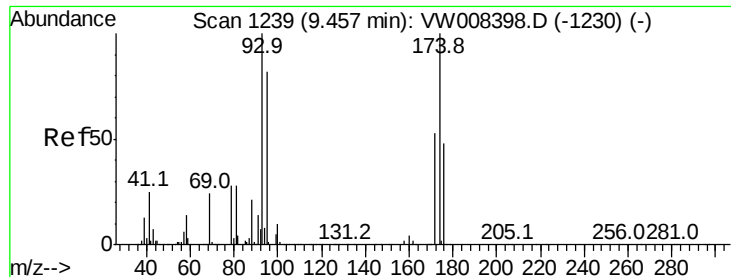
Tgt Ion: 63 Resp: 580096

Ion Ratio Lower Upper

63 100

65 221.2 25.2 37.8#

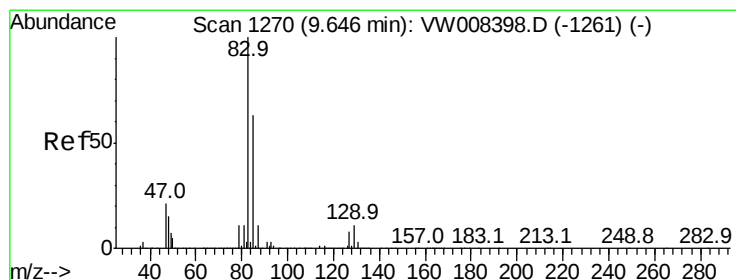
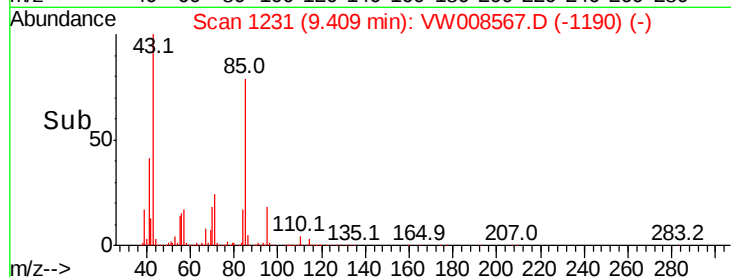
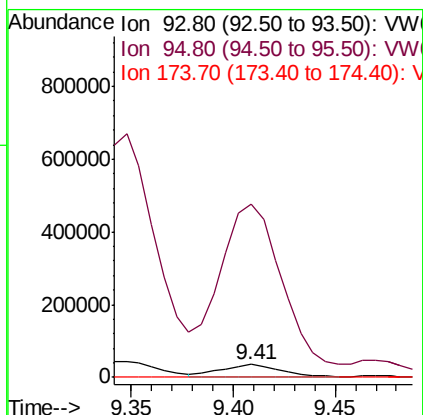
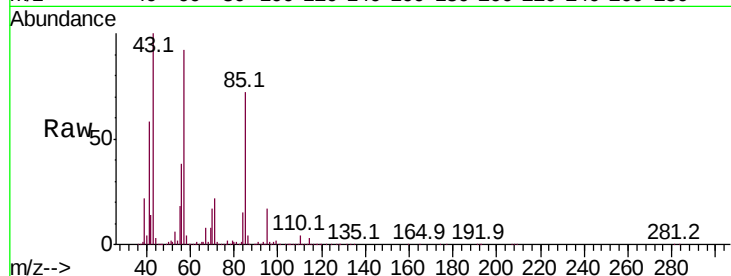




#46
Dibromomethane
Concen: 21.787 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.05 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

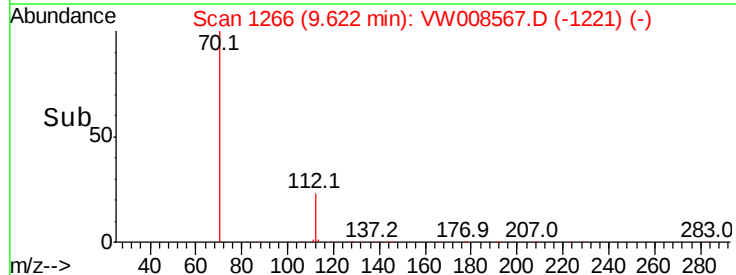
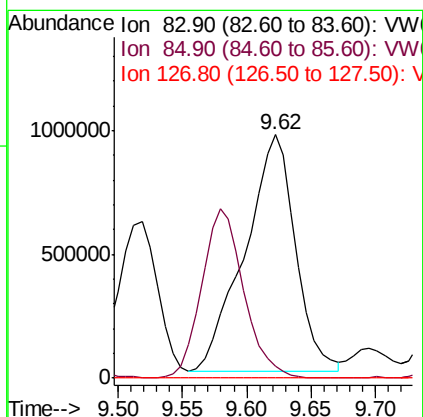
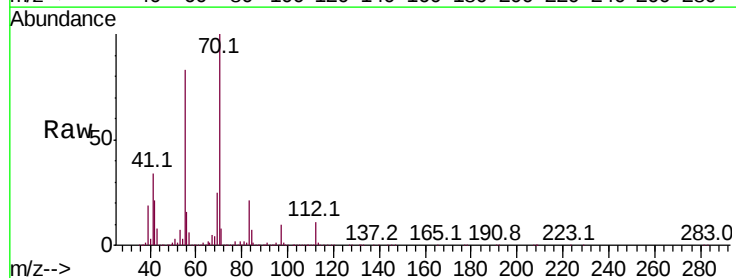
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

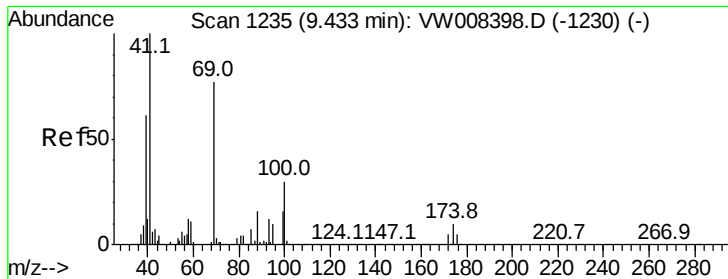
Tot Ion: 93 Resp: 68046
Ion Ratio Lower Upper
93 100
95 1528.4 65.9 98.9#
174 0.2 81.0 121.6#



#47
Bromodichloromethane
Concen: 317.107 ug/l
RT: 9.62 min Scan# 1266
Delta R.T. -0.02 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 83 Resp: 2619688
Ion Ratio Lower Upper
83 100
85 5.0 50.8 76.2#
127 0.0 6.8 10.2#

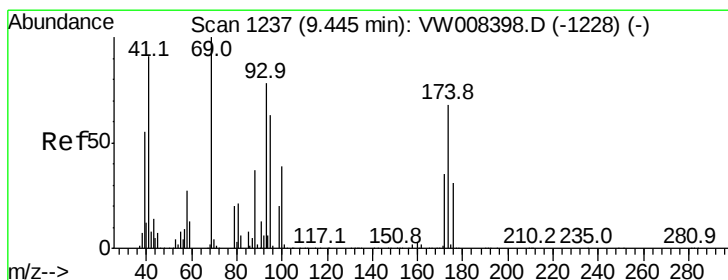
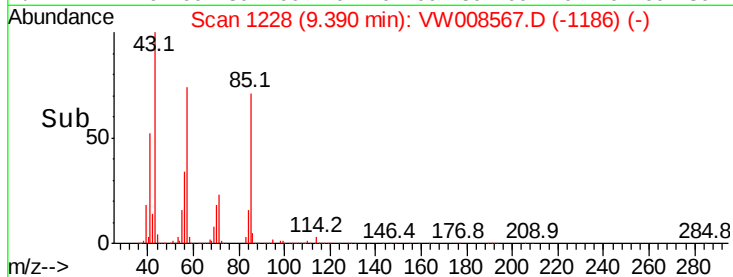
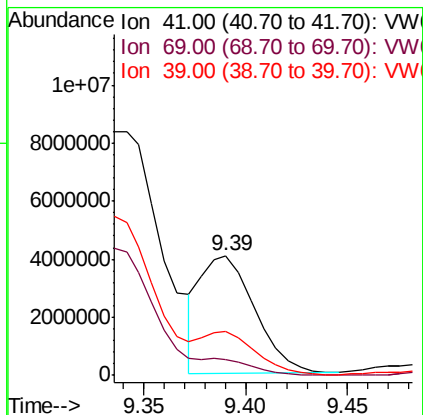
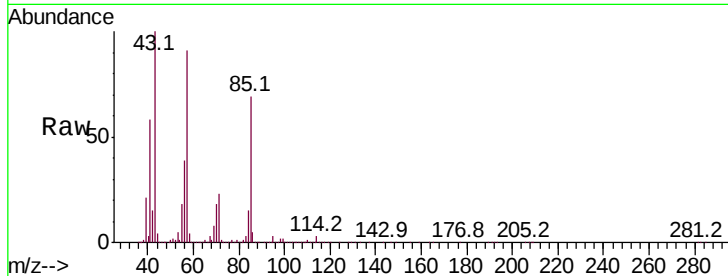




#48
Methvl methacrylate
Concen: 1893.639 ug/l
RT: 9.39 min Scan# 1228
Delta R.T. -0.04 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

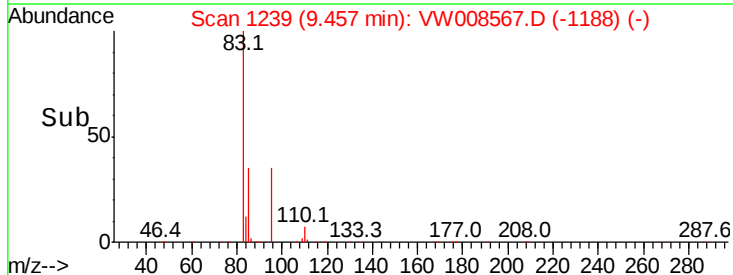
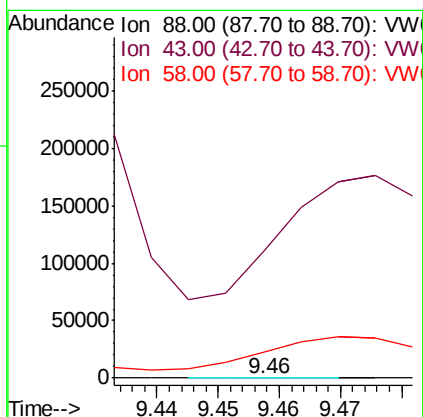
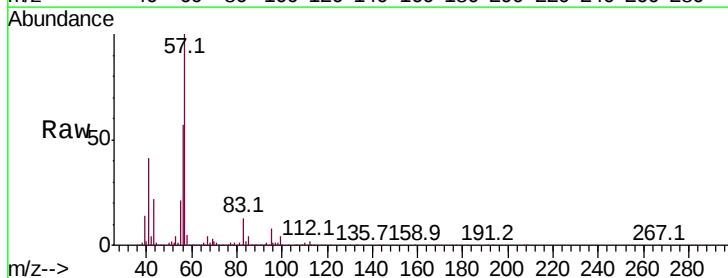
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

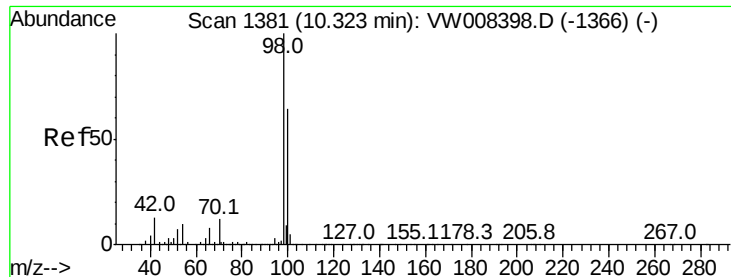
Tot Ion: 41 Resp: 7469607
Ion Ratio Lower Upper
41 100
69 0.0 64.8 97.2#
39 0.0 49.1 73.7#



#49
1,4-Dioxane
Concen: 1.894 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 113390.0 56.4 84.6#





#50

Toluene-d8

Concen: 136.575 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

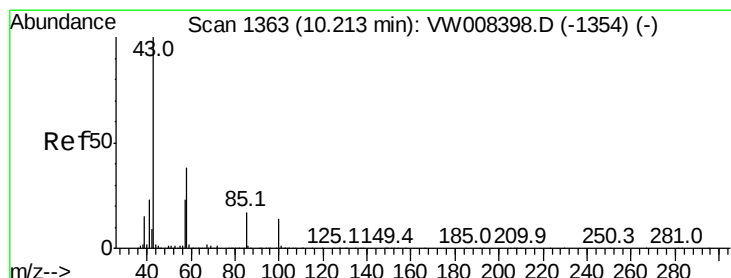
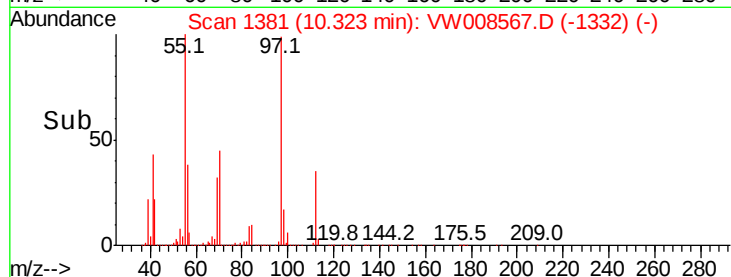
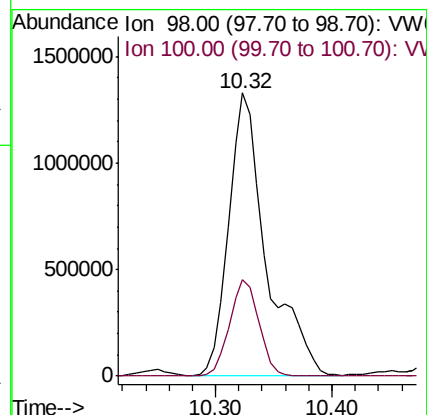
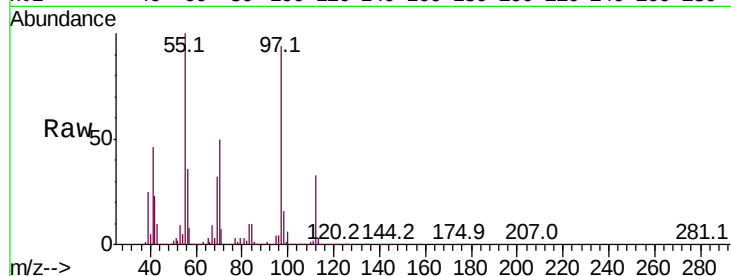
SB-09(13-16)

Tot Ion: 98 Resp: 2975498

Ion Ratio Lower Upper

98 100

100 26.5 52.6 78.8#



#51

4-Methyl-2-Pentanone

Concen: 381.755 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW008567.D

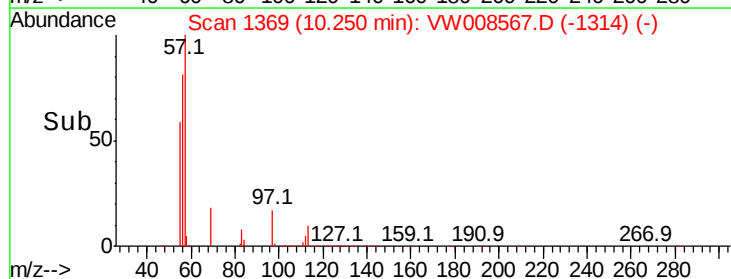
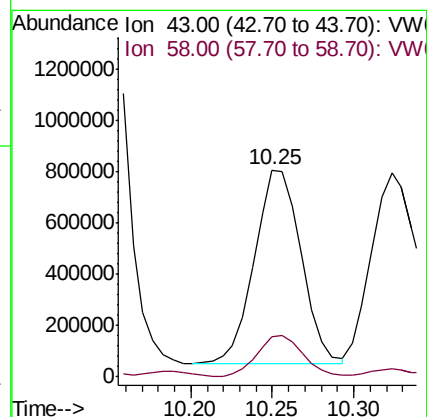
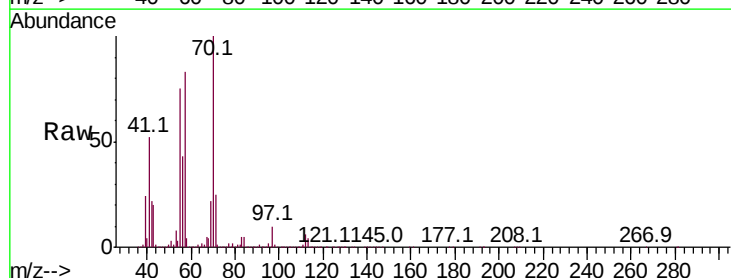
Acq: 07 Feb 2019 21:44

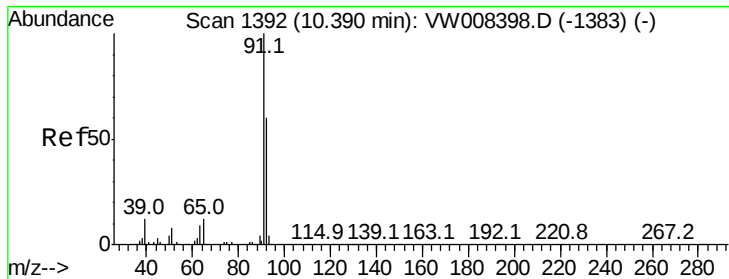
Tgt Ion: 43 Resp: 1521473

Ion Ratio Lower Upper

43 100

58 19.8 29.7 44.5#





#52

Toluene

Concen: 2.459 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

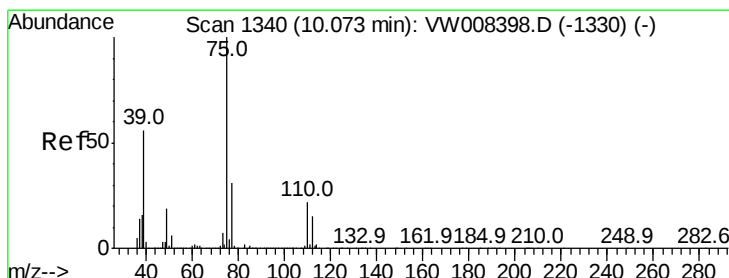
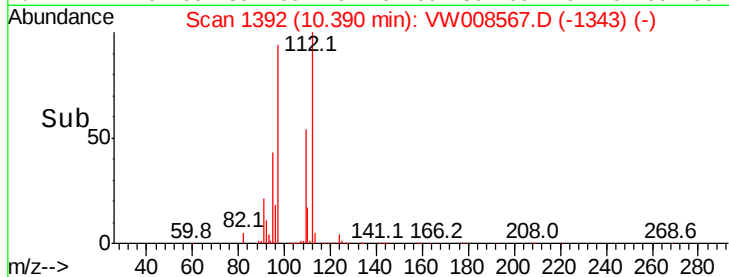
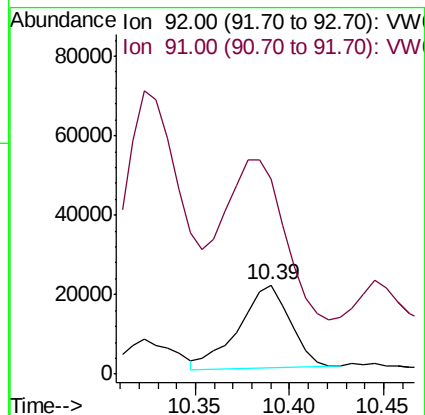
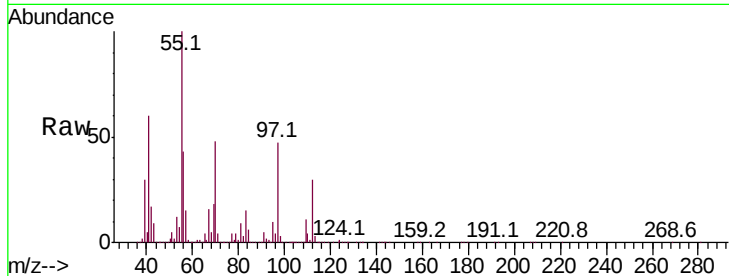
SB-09(13-16)

Tot Ion: 92 Resp: 39532

Ion Ratio Lower Upper

92 100

91 306.4 135.5 203.3#



#54

cis-1,3-Dichloropropene

Concen: 1.065 ug/l

RT: 10.10 min Scan# 1345

Delta R.T. 0.03 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

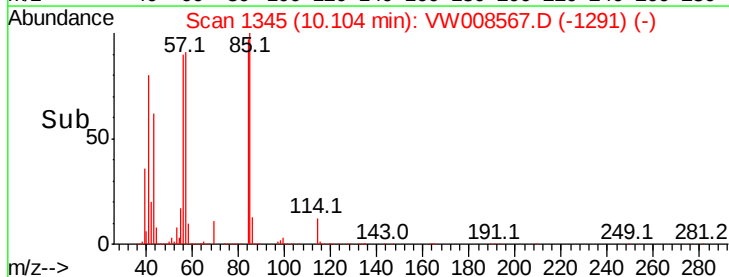
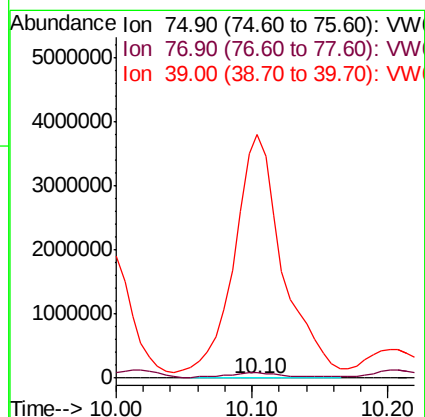
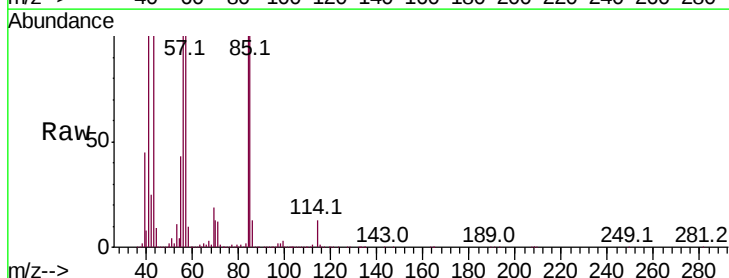
Tgt Ion: 75 Resp: 10623

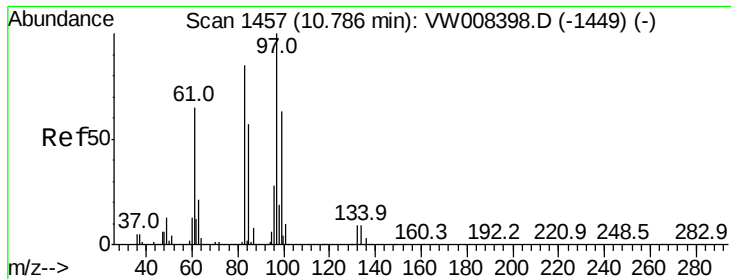
Ion Ratio Lower Upper

75 100

77 1489.4 25.0 37.4#

39 75984.0 44.9 67.3#



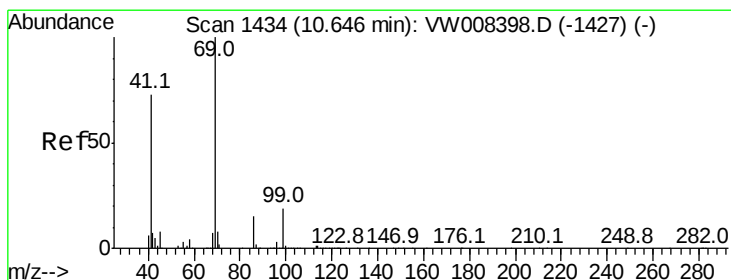
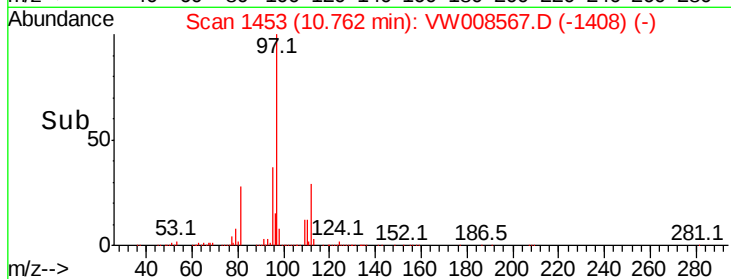
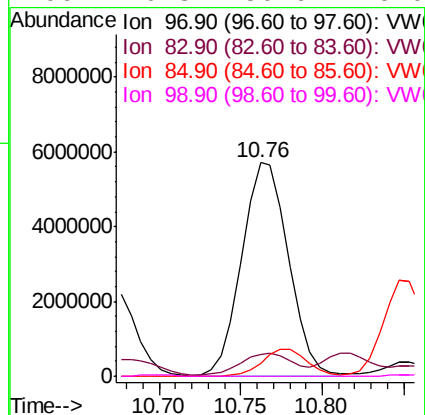
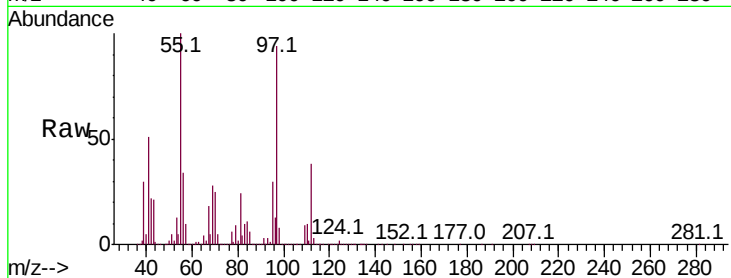


#55
 1,1,2-Trichloroethane
 Concen: 2613.317 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(13-16)

Tot Ion: 97 Resp:11321411

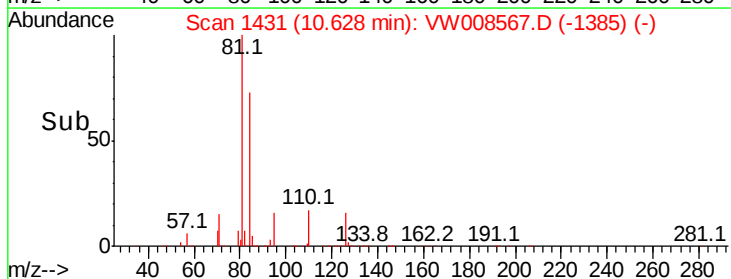
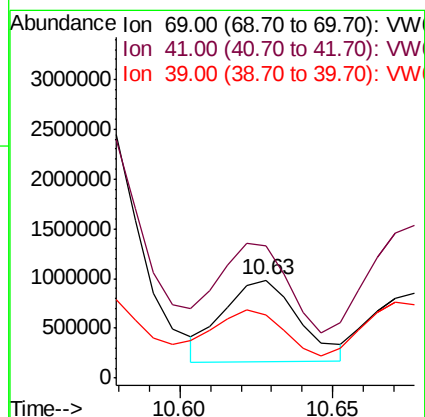
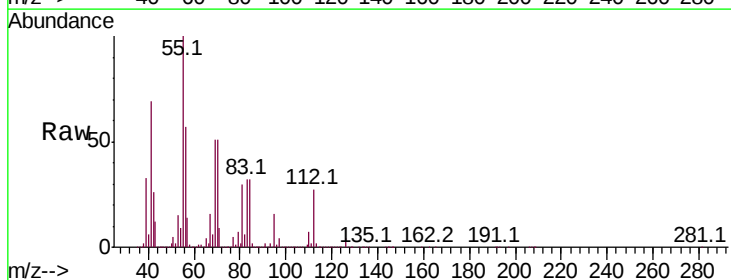
Ion	Ratio	Lower	Upper
97	100		
83	9.9	68.4	102.6#
85	6.1	45.3	67.9#
99	0.3	50.6	76.0#

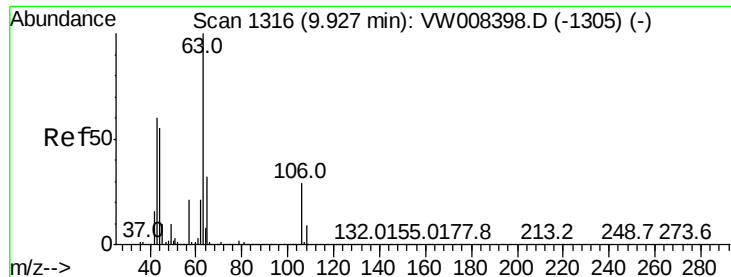


#56
 Ethyl methacrylate
 Concen: 233.594 ug/l
 RT: 10.63 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

Tgt Ion: 69 Resp: 1417998

Ion	Ratio	Lower	Upper
69	100		
41	115.4	58.7	88.1#
39	62.9	32.6	48.8#

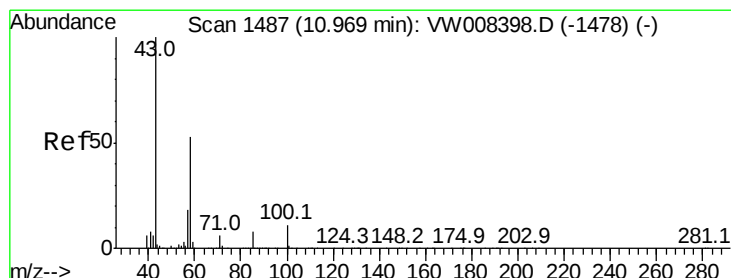
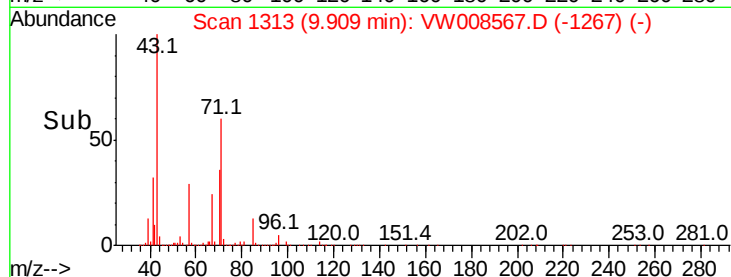
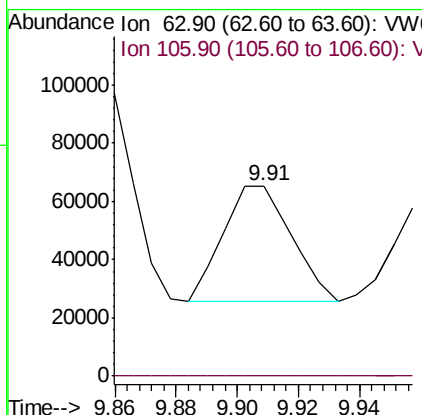
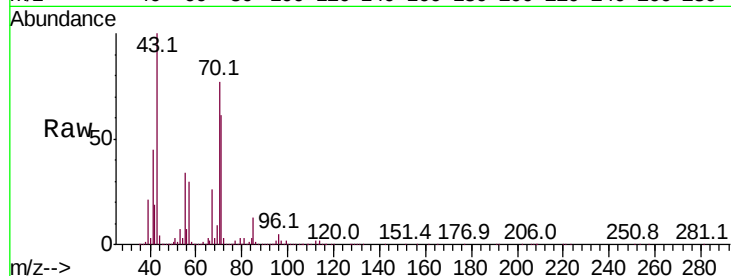




#58
2-Chloroethyl Vinyl ether
Concen: 20.740 ug/l
RT: 9.91 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

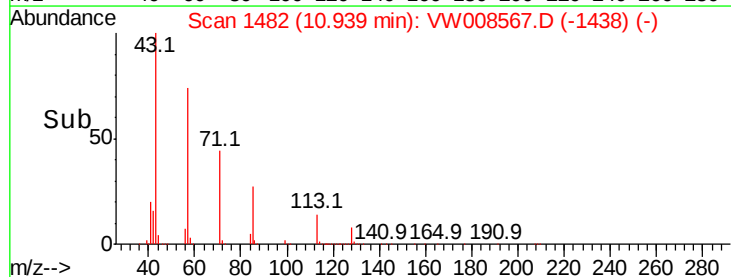
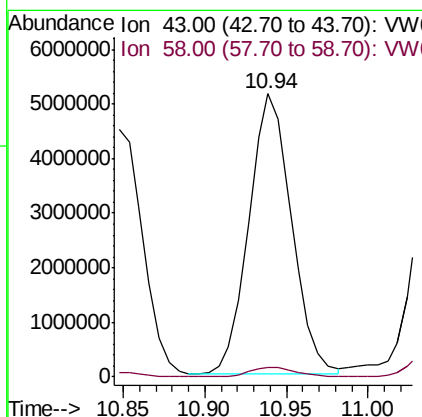
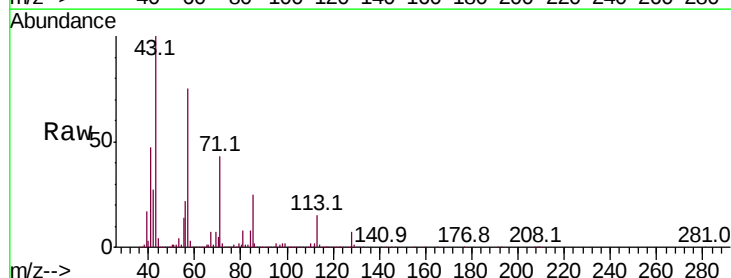
Instrument :
MSVOA_W
ClientSampled :
SB-09(13-16)

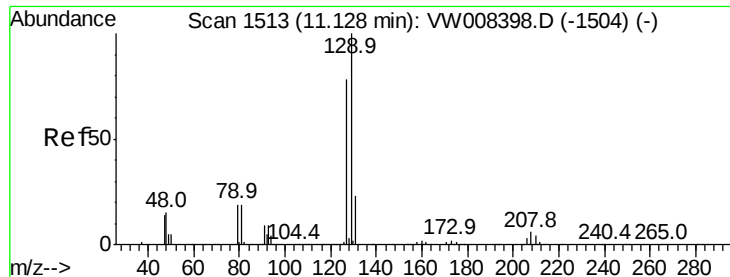
Tot Ion: 63 Resp: 61171
Ion Ratio Lower Upper
63 100
106 0.2 22.4 33.6#



#59
2-Hexanone
Concen: 3327.113 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 43 Resp: 9361085
Ion Ratio Lower Upper
43 100
58 3.8 25.9 77.7#





#60

Dibromochloromethane

Concen: 11.095 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

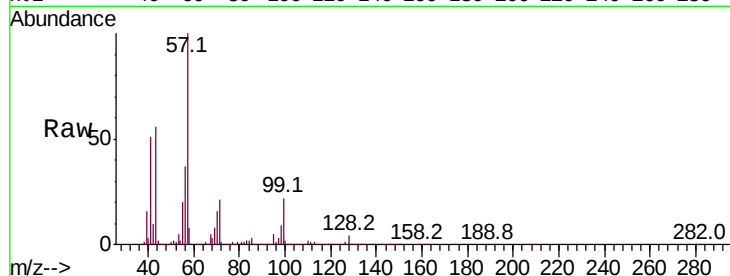
SB-09(13-16)

Tot Ion:129 Resp: 61766

Ion Ratio Lower Upper

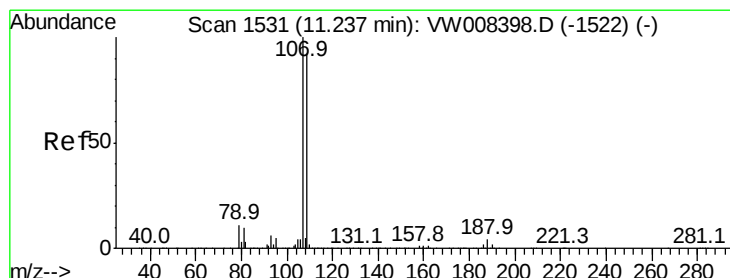
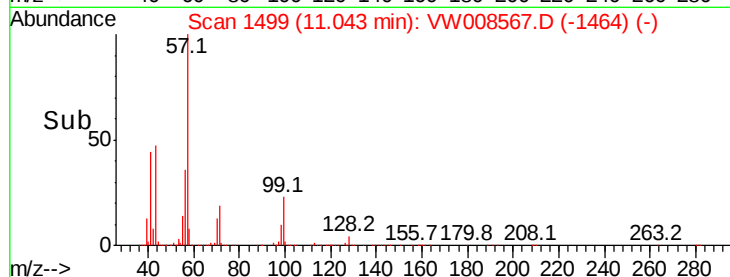
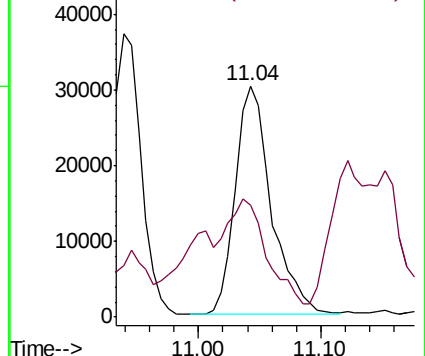
129 100

127 51.8 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 10.917 ug/l

RT: 11.20 min Scan# 1525

Delta R.T. -0.04 min

Lab File: VW008567.D

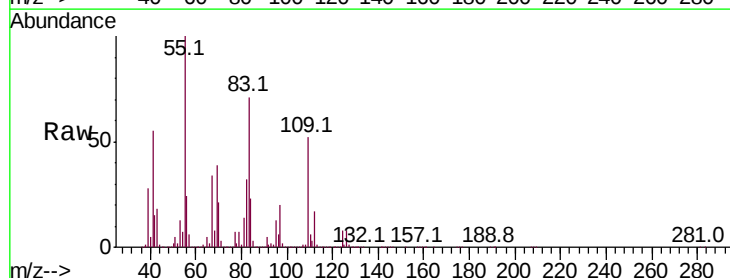
Acq: 07 Feb 2019 21:44

Tgt Ion:107 Resp: 46894

Ion Ratio Lower Upper

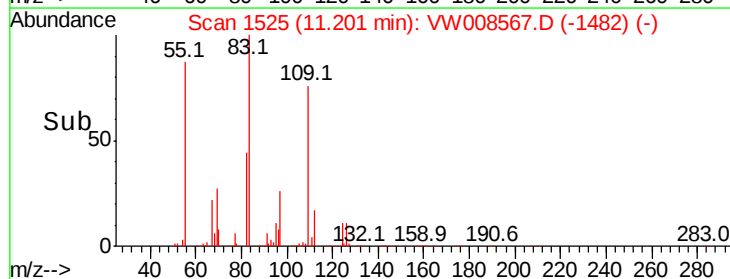
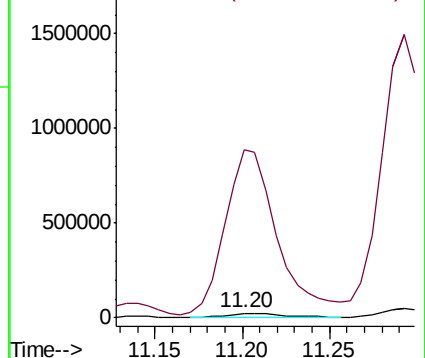
107 100

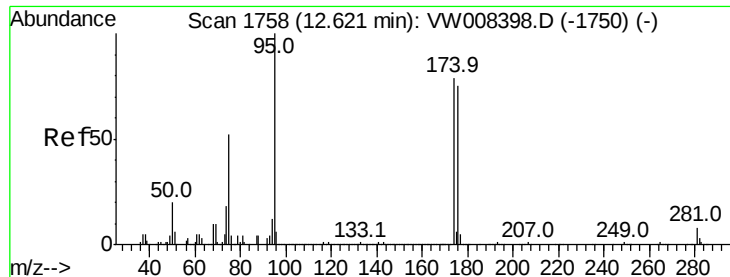
109 3817.9 75.0 112.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

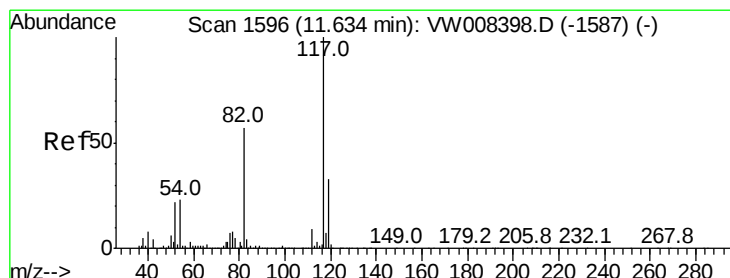
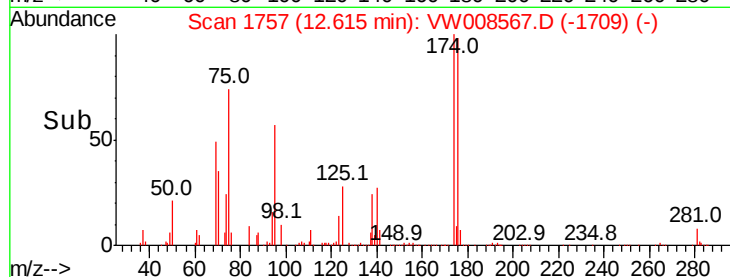
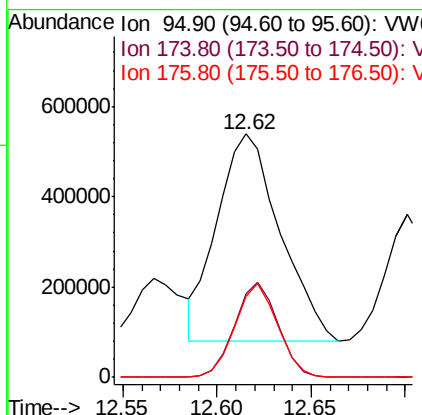
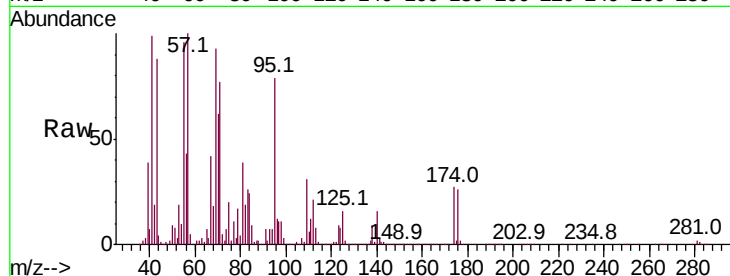




#62
4-Bromofluorobenzene
Concen: 126.886 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

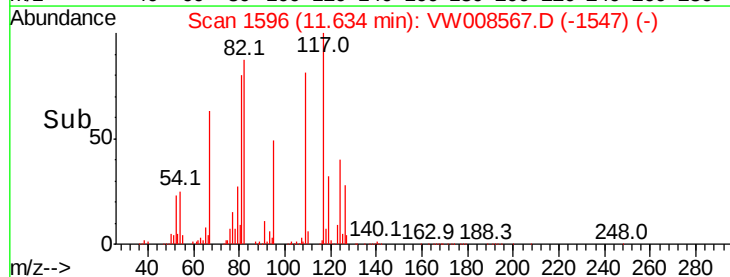
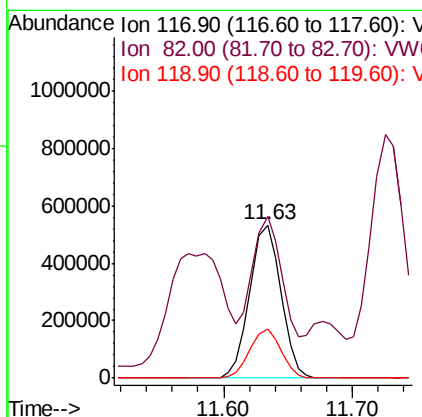
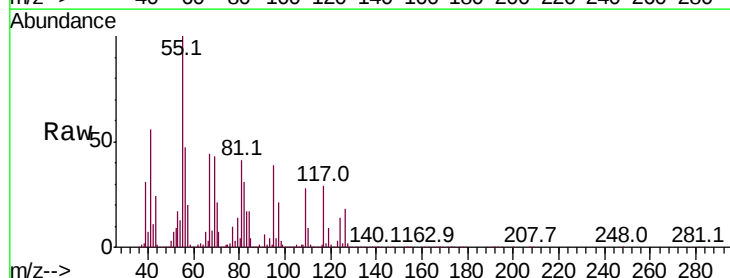
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

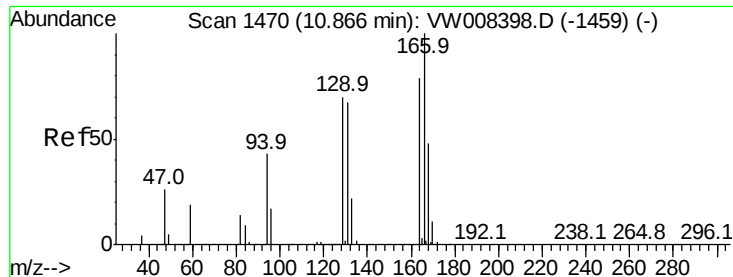
Tot Ion: 95 Resp: 1062592
Ion Ratio Lower Upper
95 100
174 31.7 0.0 157.6
176 30.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 117 Resp: 890563
Ion Ratio Lower Upper
117 100
82 75.5 45.4 68.0#
119 32.1 26.2 39.4





#64

Tetrachloroethene

Concen: 9.415 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

Tot Ion:164 Resp: 56771

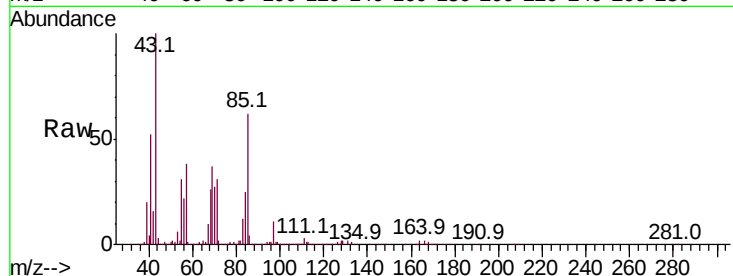
Ion Ratio Lower Upper

164 100

166 128.9 101.4 152.0

129 98.4 71.0 106.6

131 86.2 68.3 102.5

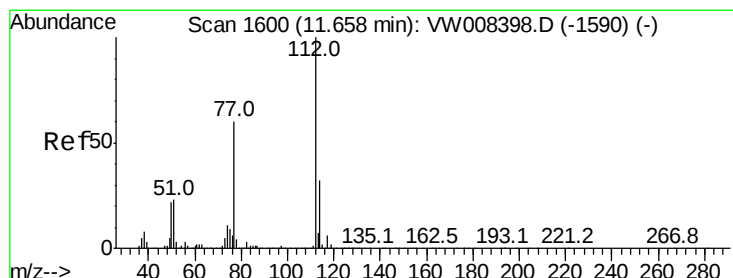
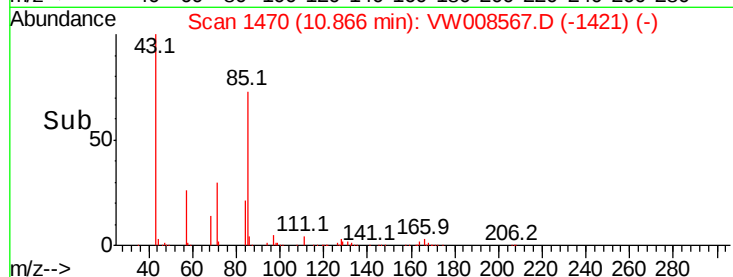
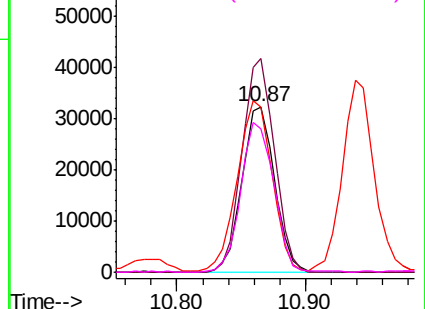


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 3.488 ug/l

RT: 11.56 min Scan# 1584

Delta R.T. -0.10 min

Lab File: VW008567.D

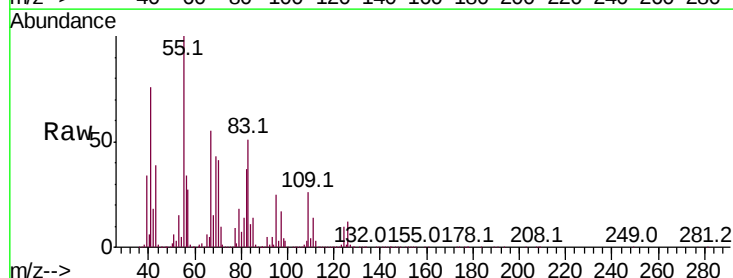
Acq: 07 Feb 2019 21:44

Tgt Ion:112 Resp: 63414

Ion Ratio Lower Upper

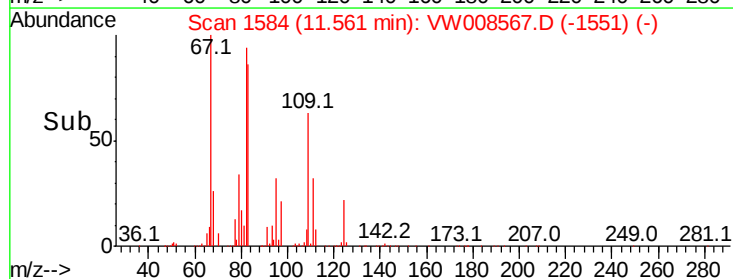
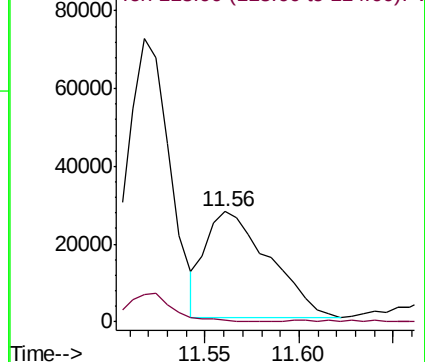
112 100

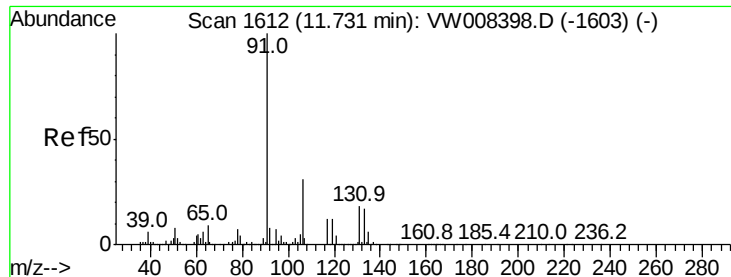
114 0.8 25.4 38.2#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 147.360 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampled :

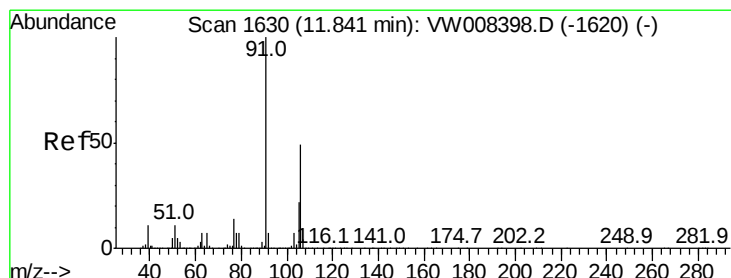
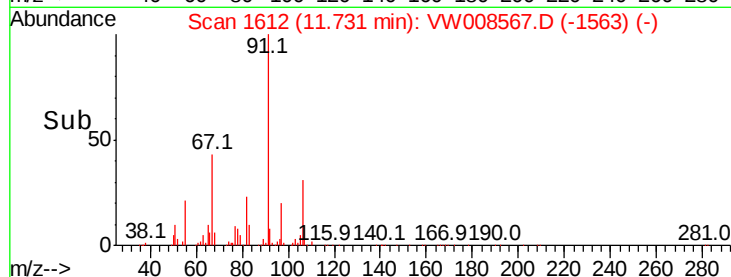
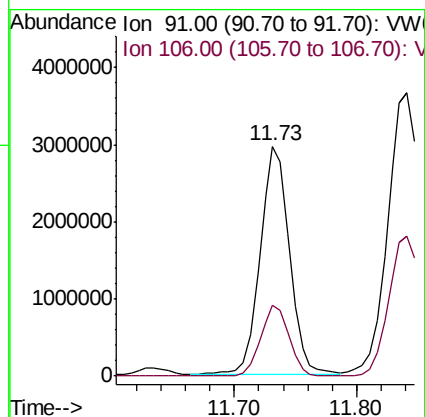
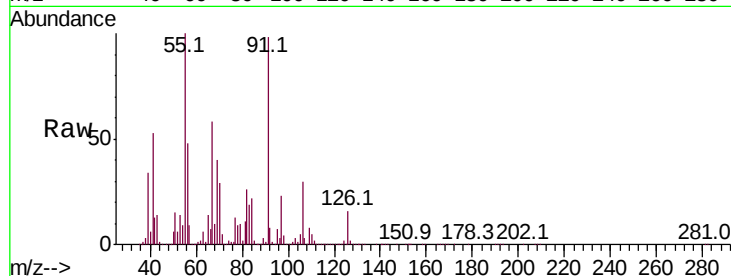
SB-09(13-16)

Tot Ion: 91 Resp: 4924321

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 260.219 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008567.D

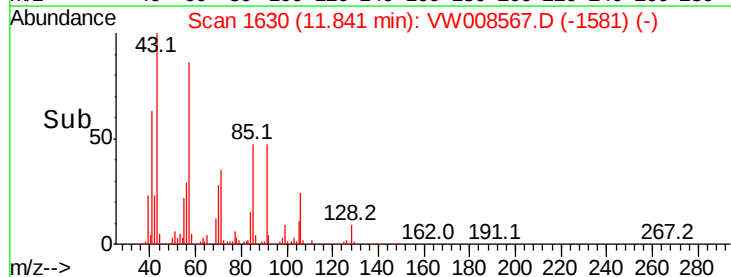
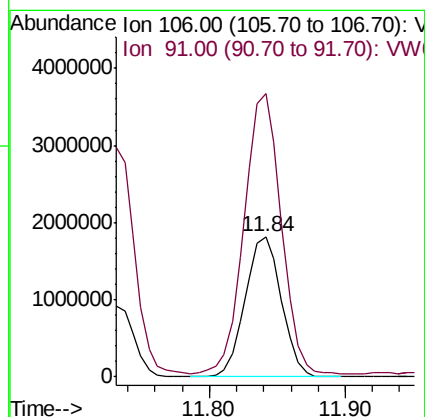
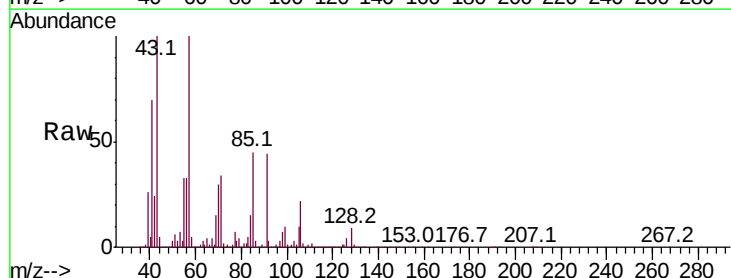
Acq: 07 Feb 2019 21:44

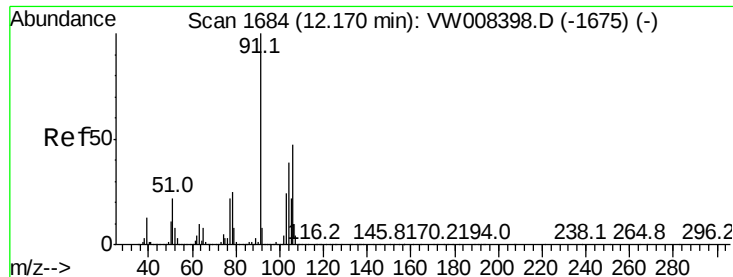
Tgt Ion: 106 Resp: 3373901

Ion Ratio Lower Upper

106 100

91 205.7 162.9 244.3

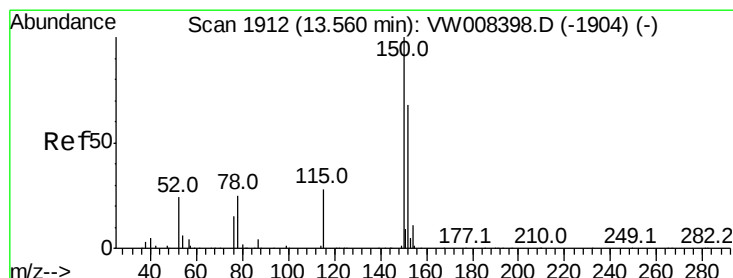
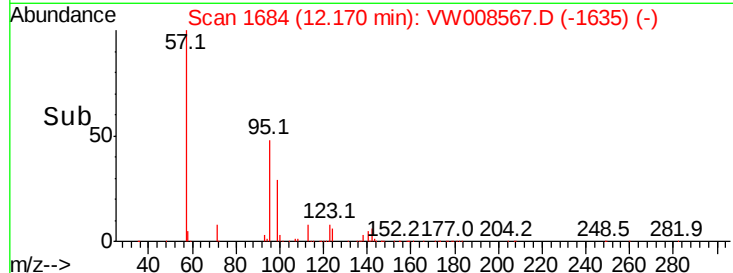
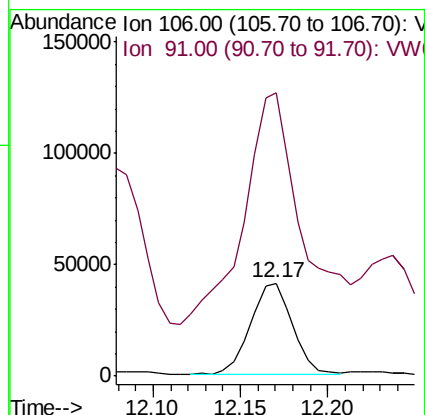
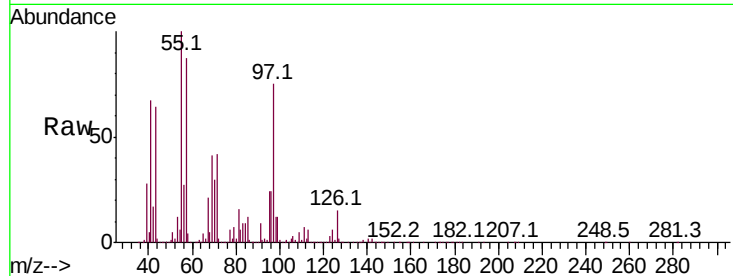




#69
o-Xylene
Concen: 5.591 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

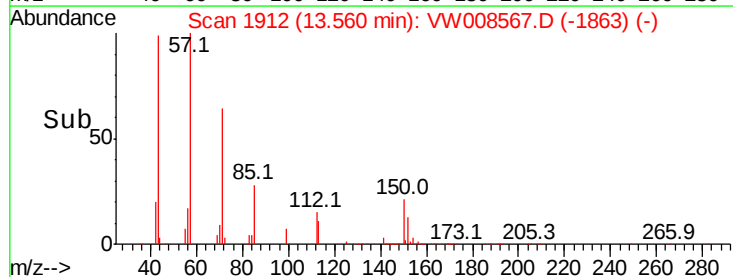
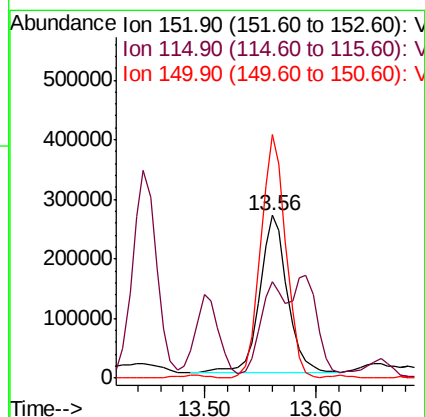
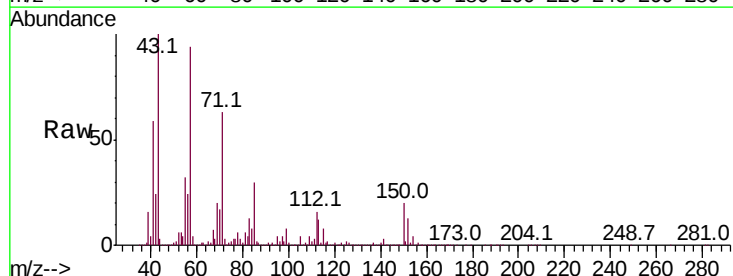
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

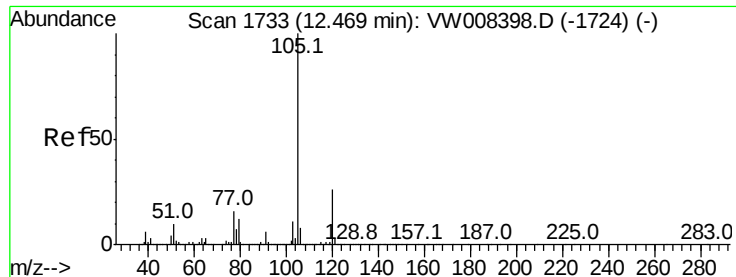
Tot Ion:106 Resp: 68882
Ion Ratio Lower Upper
106 100
91 343.6 107.5 322.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion:152 Resp: 460493
Ion Ratio Lower Upper
152 100
115 51.2 29.9 89.7
150 138.4 0.0 351.4





#73

Isopropylbenzene

Concen: 200.170 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

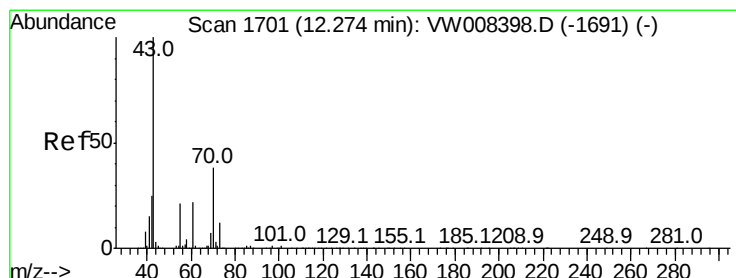
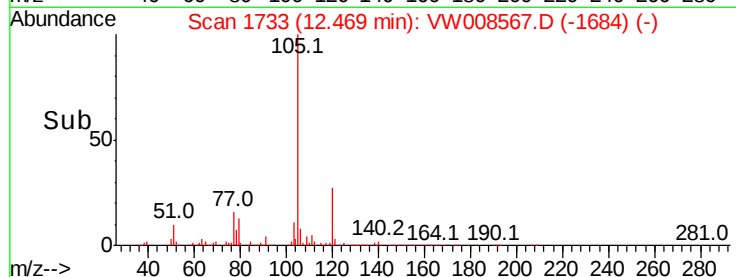
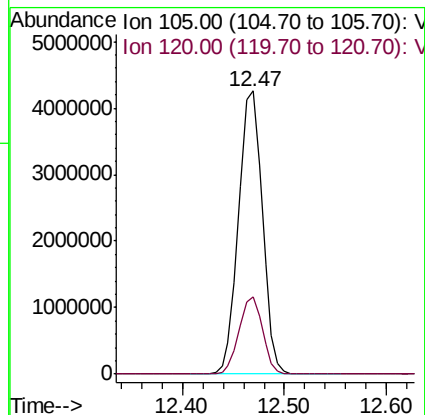
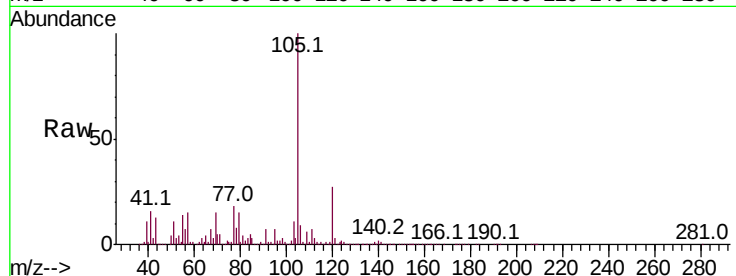
SB-09(13-16)

Tot Ion:105 Resp: 6871954

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 432.653 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Tgt Ion: 43 Resp: 3826444

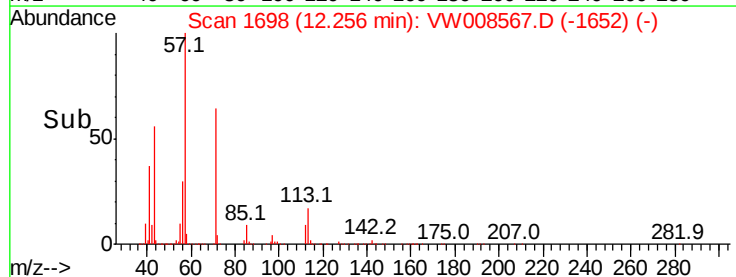
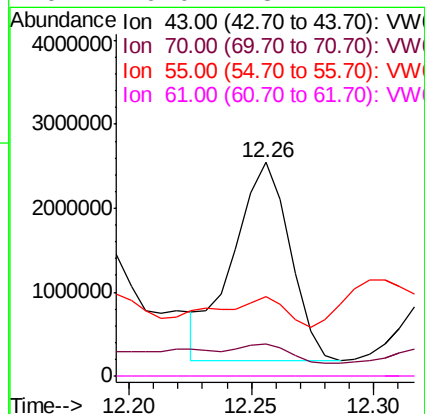
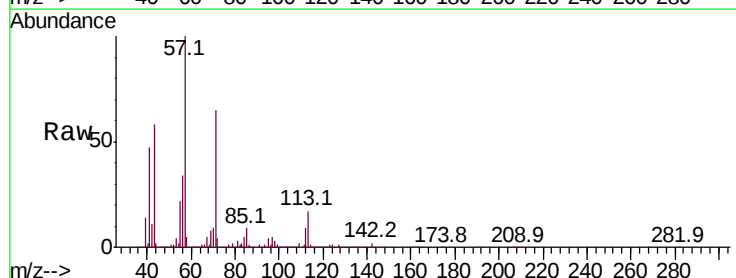
Ion Ratio Lower Upper

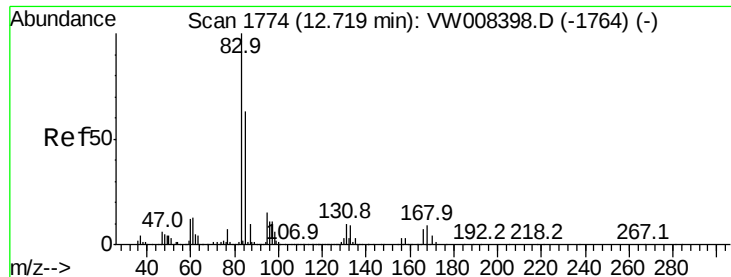
43 100

70 9.0 31.0 46.6#

55 17.6 17.4 26.2

61 0.0 18.2 27.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 29.896 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

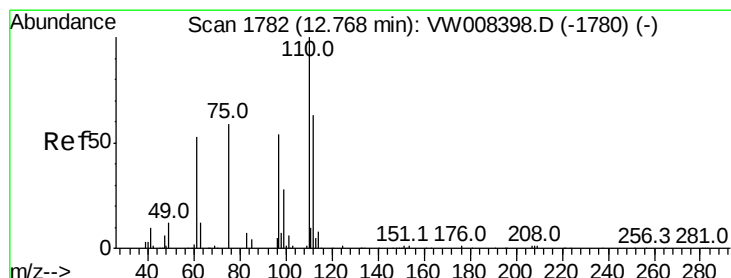
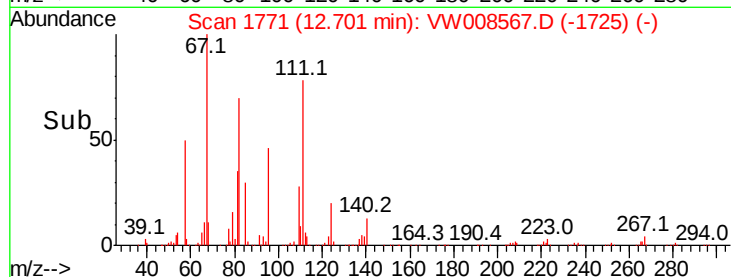
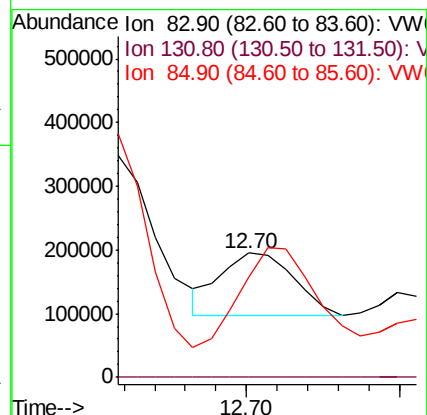
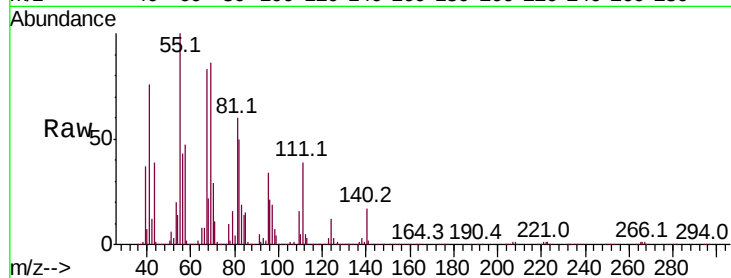
Tot Ion: 83 Resp: 162490

Ion Ratio Lower Upper

83 100

131 0.1 5.5 16.4#

85 161.4 31.9 95.5#



#76

1,2,3-Trichloropropane

Concen: 53.926 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW008567.D

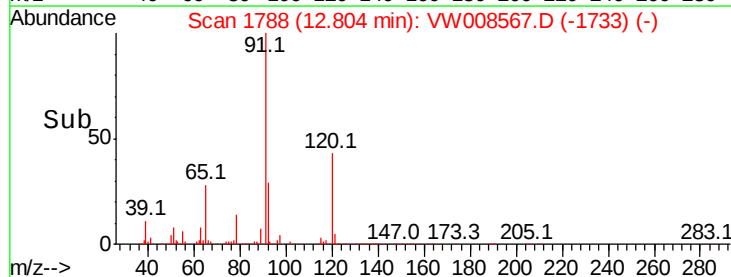
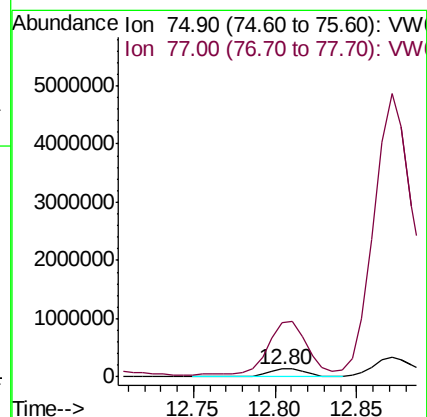
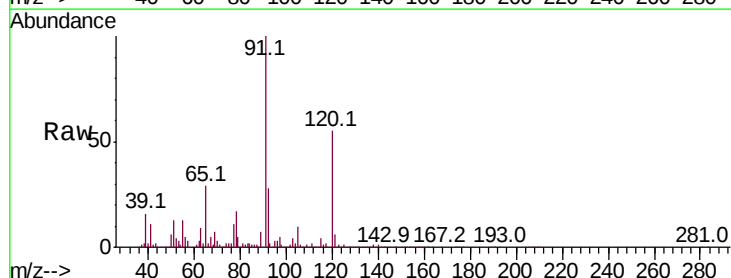
Acq: 07 Feb 2019 21:44

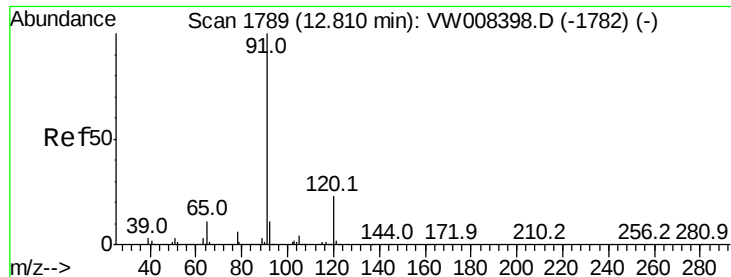
Tgt Ion: 75 Resp: 215901

Ion Ratio Lower Upper

75 100

77 691.6 180.7 542.1#





#78

n-propylbenzene

Concen: 476.752 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

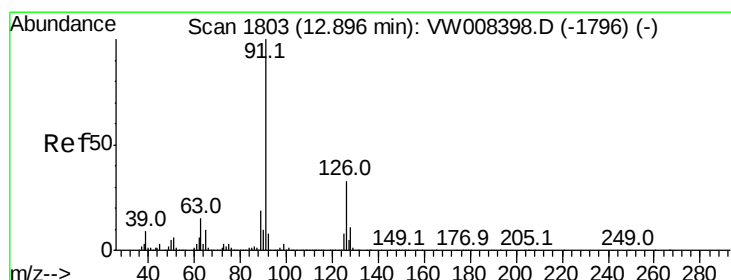
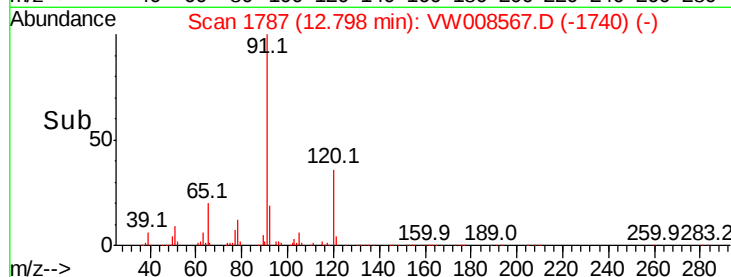
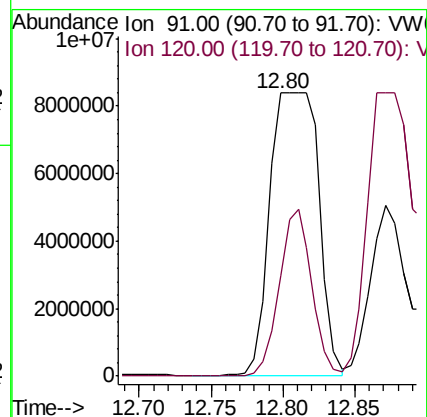
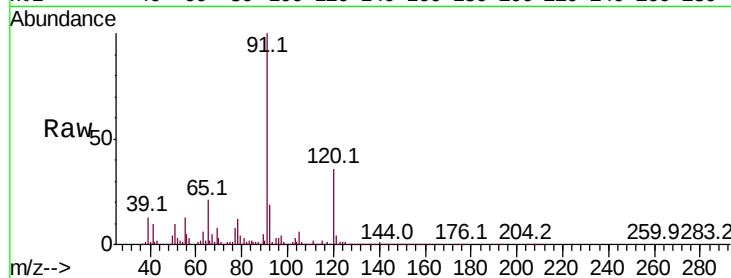
SB-09(13-16)

Tot Ion: 91 Resp:19658053

Ion Ratio Lower Upper

91 100

120 39.7 11.4 34.1#



#79

2-Chlorotoluene

Concen: 352.340 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW008567.D

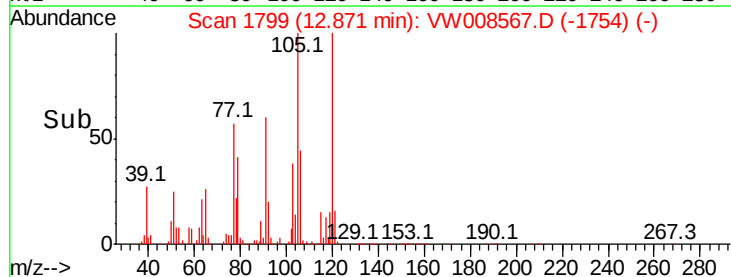
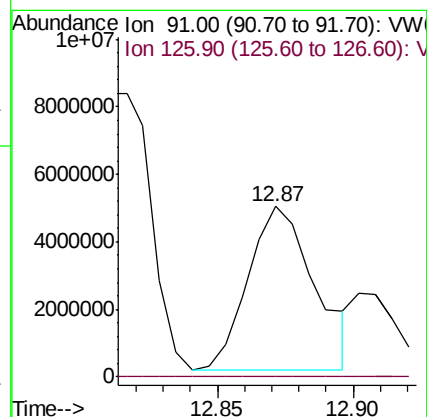
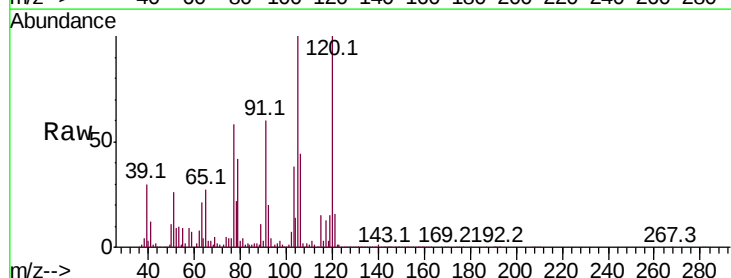
Acq: 07 Feb 2019 21:44

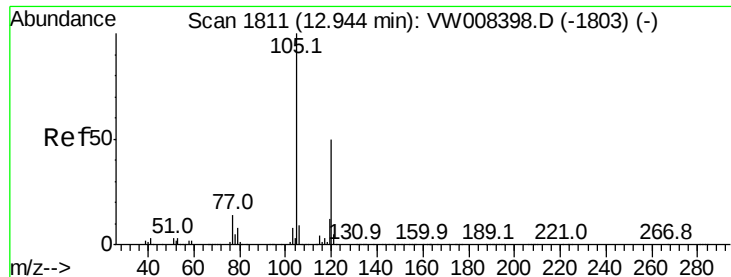
Tgt Ion: 91 Resp: 8198151

Ion Ratio Lower Upper

91 100

126 0.1 16.5 49.5#

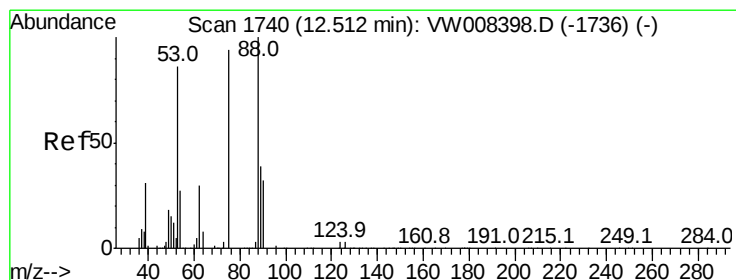
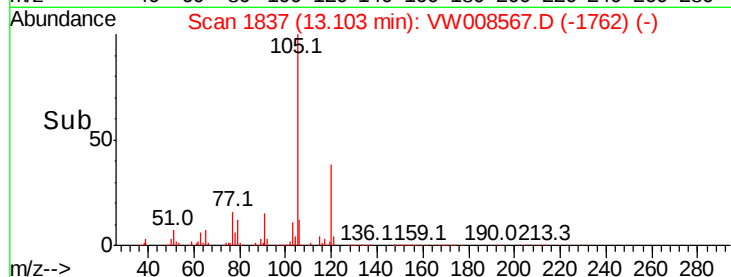
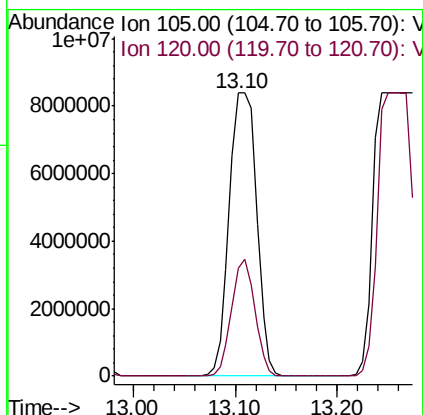
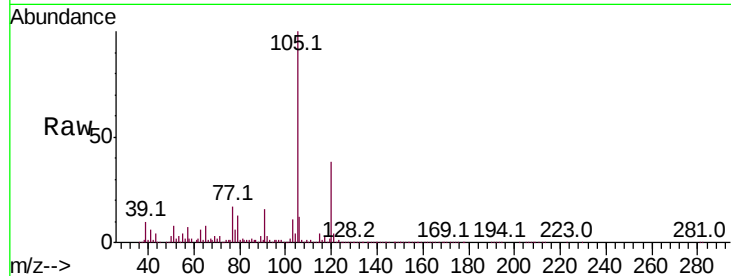




#80
 1,3,5-Trimethylbenzene
 Concen: 541.231 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. 0.16 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

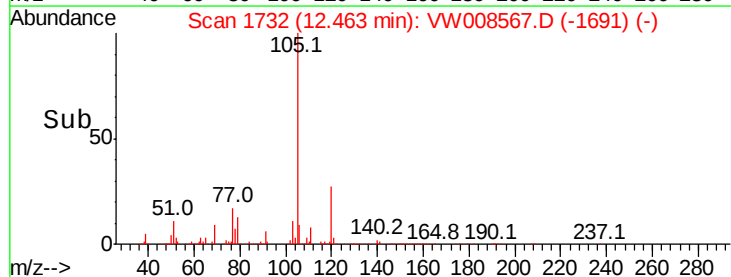
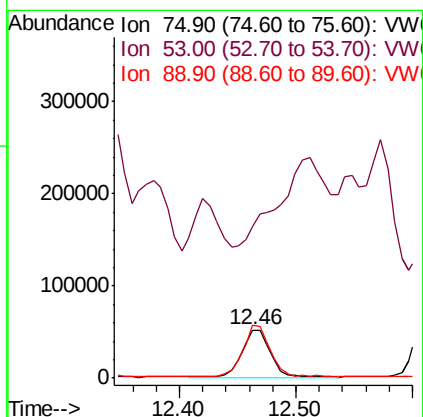
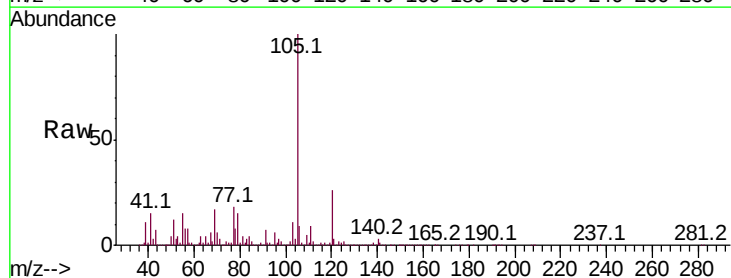
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(13-16)

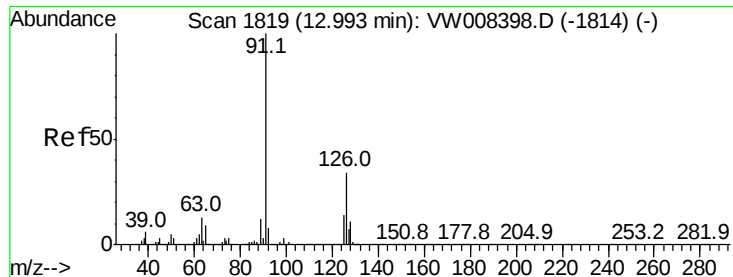
Tot Ion:105 Resp:15530431
 Ion Ratio Lower Upper
 105 100
 120 35.1 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.465 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.05 min
 Lab File: VW008567.D
 Acq: 07 Feb 2019 21:44

Tgt Ion: 75 Resp: 88108
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.0 114.0#
 89 105.6 35.4 53.0#

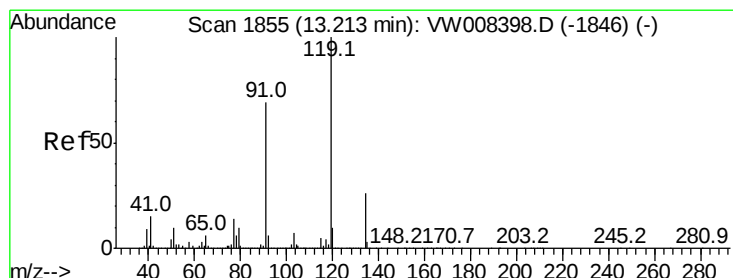
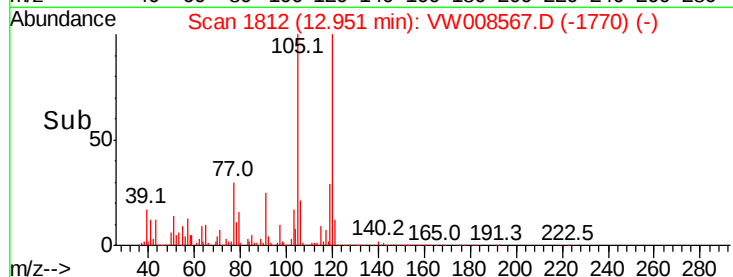
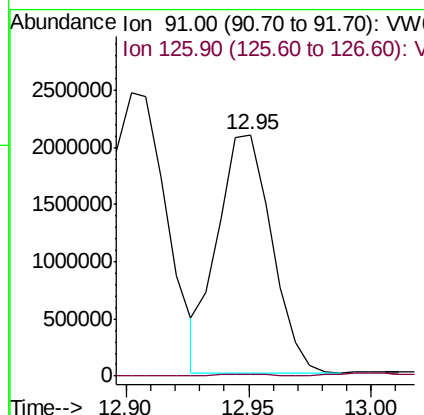
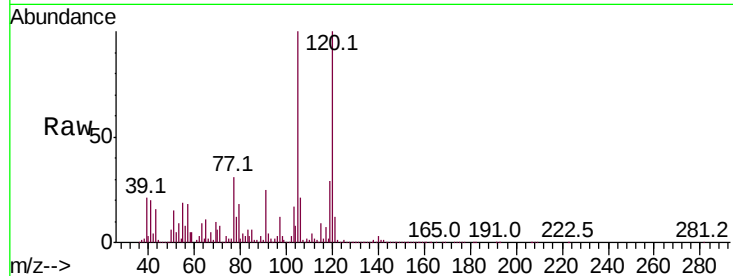




#82
4-Chlorotoluene
Concen: 129.108 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

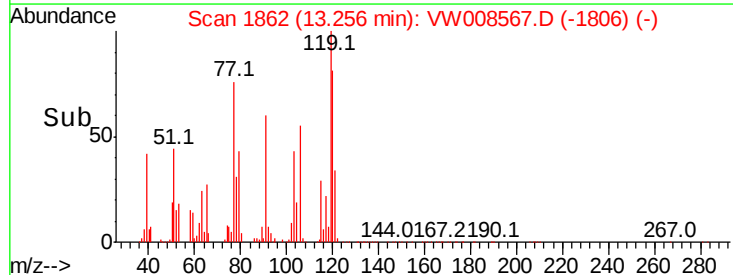
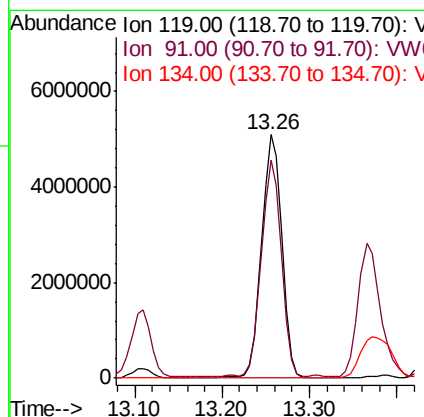
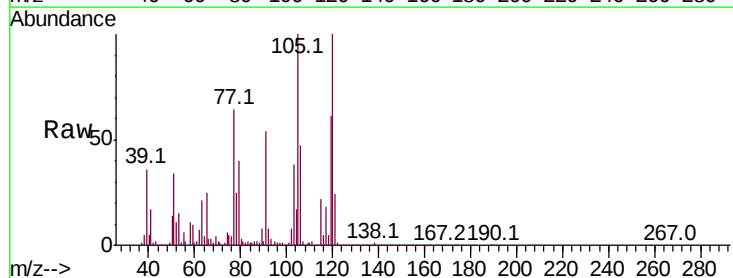
Instrument :
MSVOA_W
ClientSampled :
SB-09(13-16)

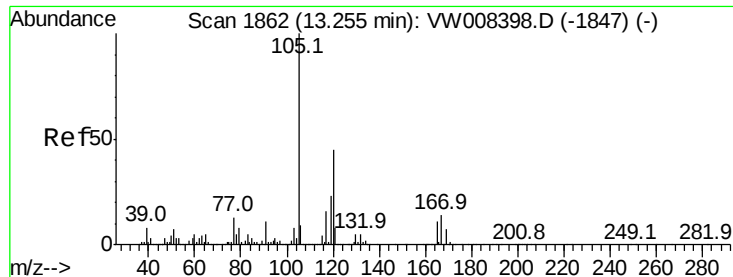
Tot Ion: 91 Resp: 3198355
Ion Ratio Lower Upper
91 100
126 0.6 16.4 49.2#



#83
tert-Butylbenzene
Concen: 323.434 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 119 Resp: 8258862
Ion Ratio Lower Upper
119 100
91 87.9 33.8 101.4
134 0.0 13.5 40.4#





#84

1,2,4-Trimethylbenzene

Concen: 532.486 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. -0.15 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

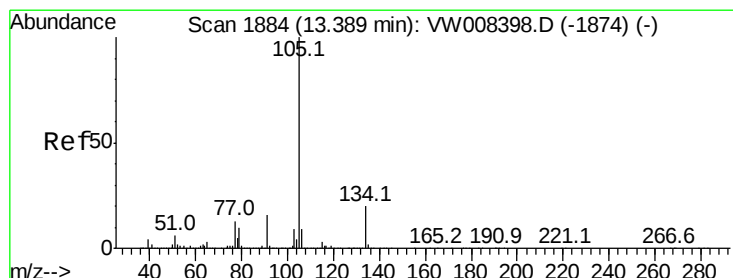
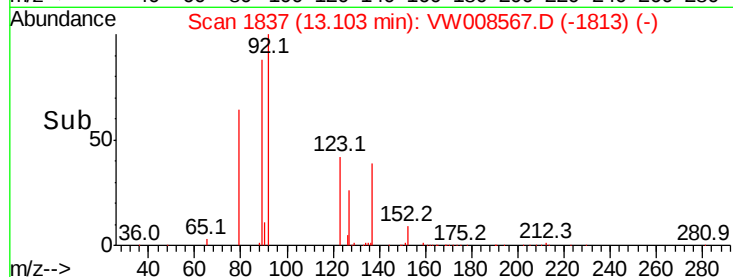
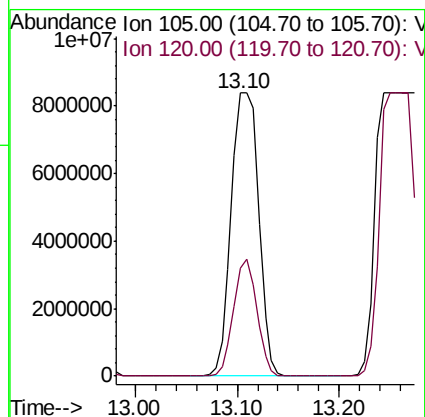
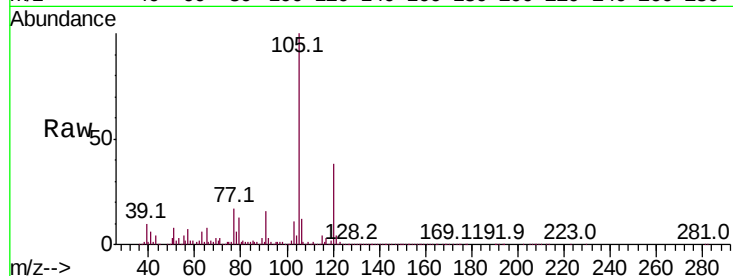
SB-09(13-16)

Tot Ion:105 Resp:15530431

Ion Ratio Lower Upper

105 100

120 35.1 23.1 69.2



#85

sec-Butylbenzene

Concen: 136.223 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008567.D

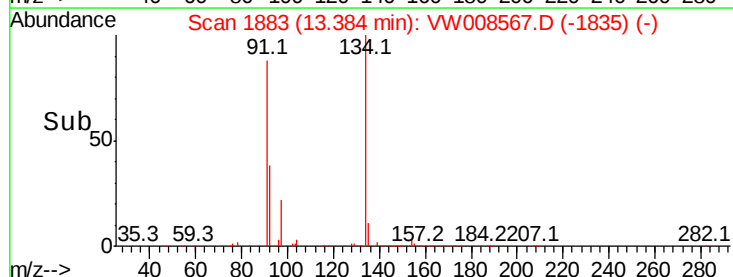
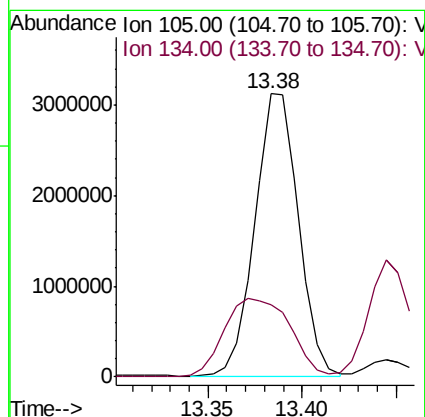
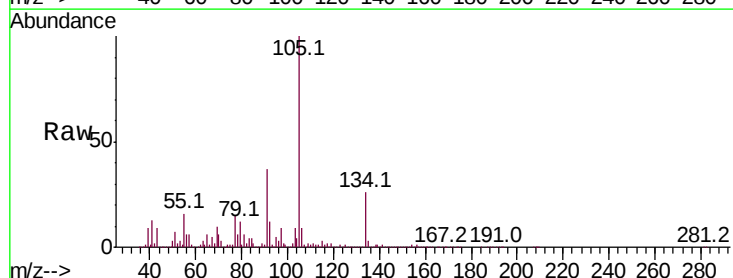
Acq: 07 Feb 2019 21:44

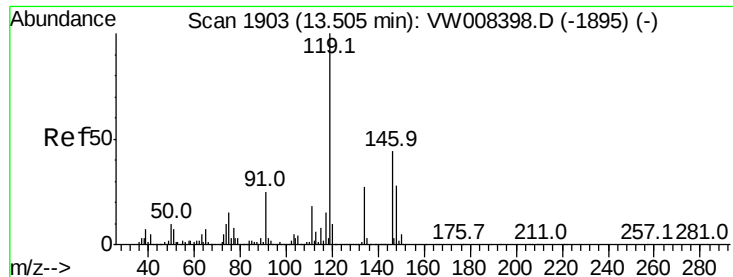
Tgt Ion:105 Resp: 4967675

Ion Ratio Lower Upper

105 100

134 42.3 10.2 30.6#

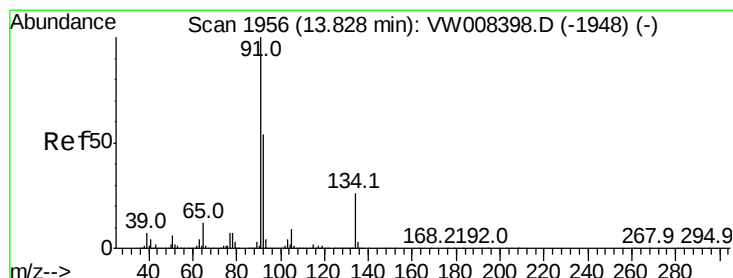
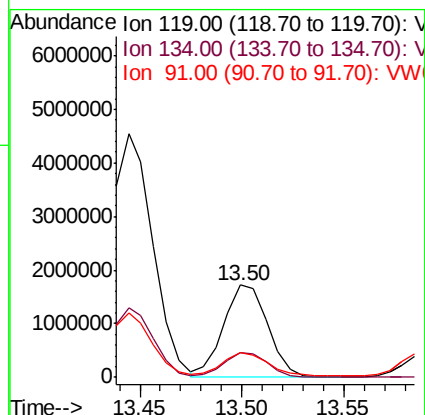
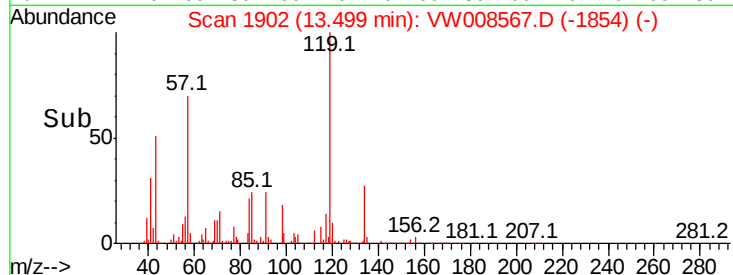
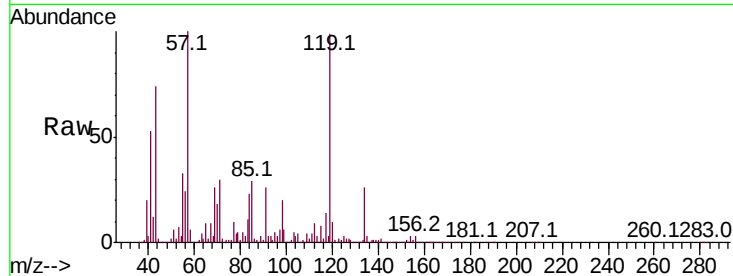




#86
p-Isopropyltoluene
Concen: 80.934 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

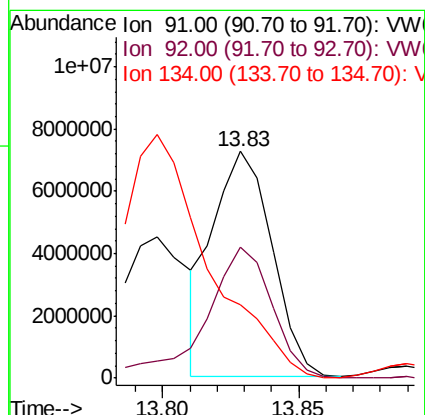
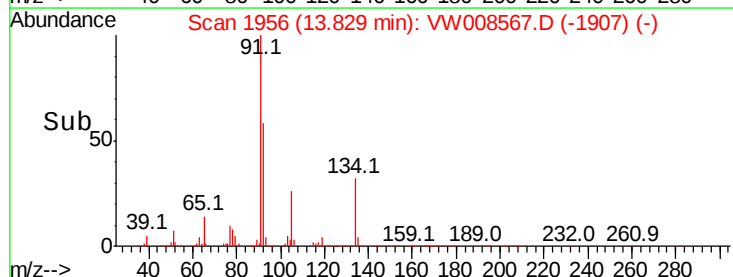
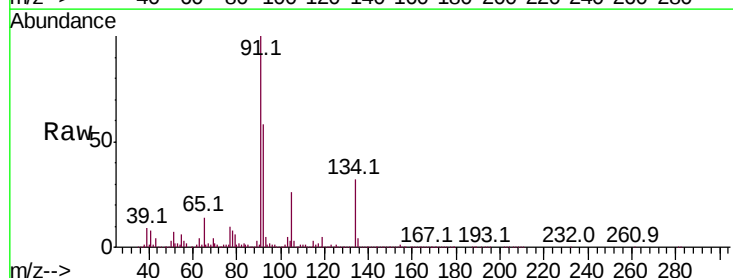
Instrument :
MSVOA_W
ClientSampled :
SB-09(13-16)

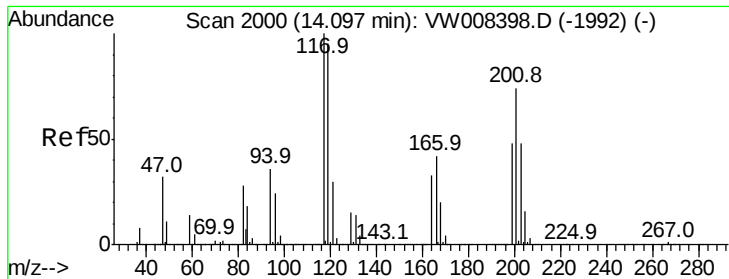
Tot Ion:119 Resp: 2585294
Ion Ratio Lower Upper
119 100
134 26.7 13.4 40.2
91 26.0 12.6 37.6



#89
n-Butylbenzene
Concen: 346.147 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion: 91 Resp:10856542
Ion Ratio Lower Upper
91 100
92 64.9 27.4 82.2
134 0.0 13.0 39.0#

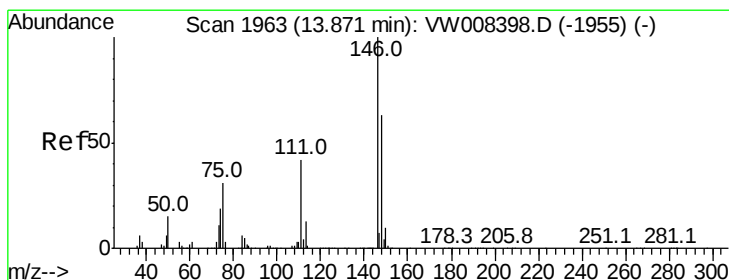
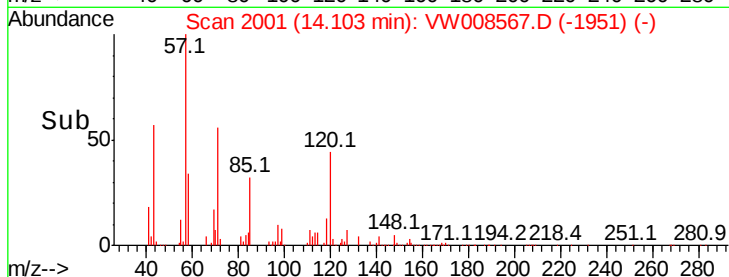
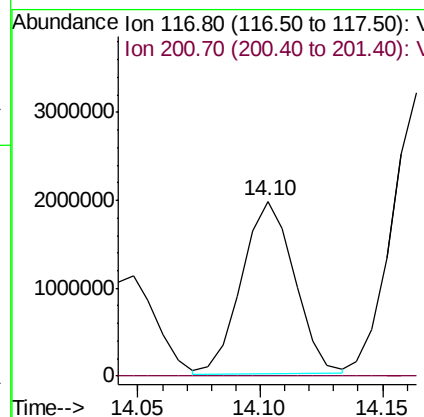
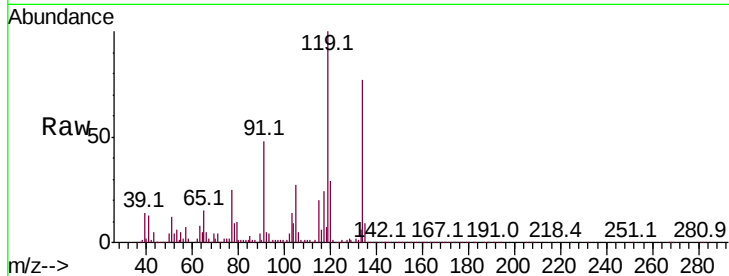




#90
Hexachloroethane
Concen: 470.251 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

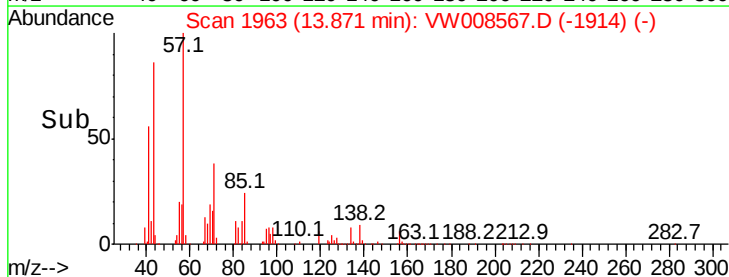
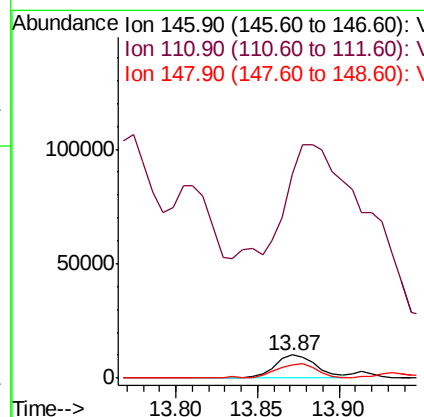
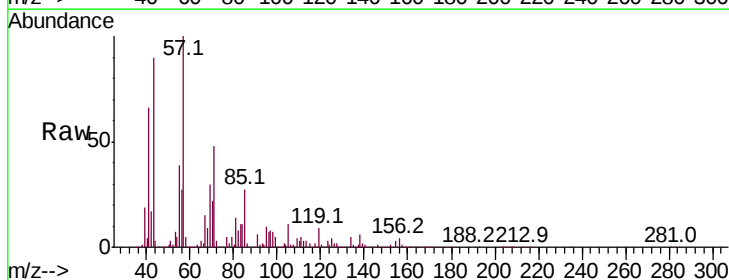
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

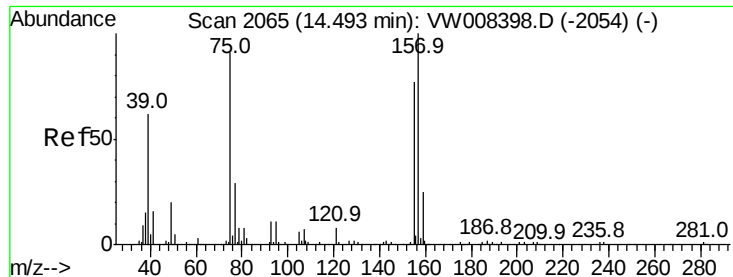
Tot Ion:117 Resp: 2937614
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.5#



#91
1,2-Dichlorobenzene
Concen: 1.313 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW008567.D
Acq: 07 Feb 2019 21:44

Tgt Ion:146 Resp: 17597
Ion Ratio Lower Upper
146 100
111 1465.2 21.1 63.3#
148 60.4 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 43.685 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09(13-16)

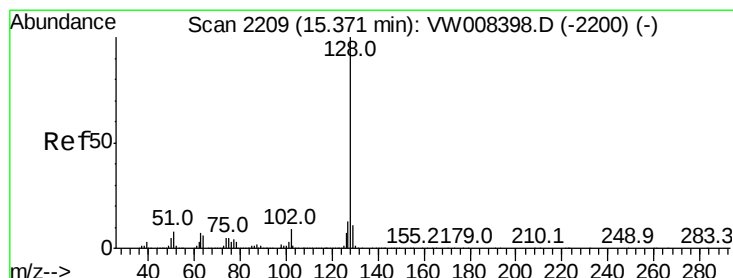
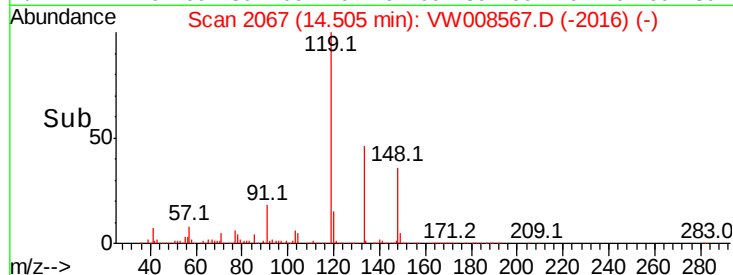
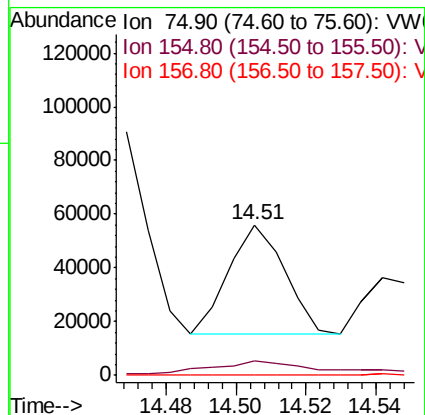
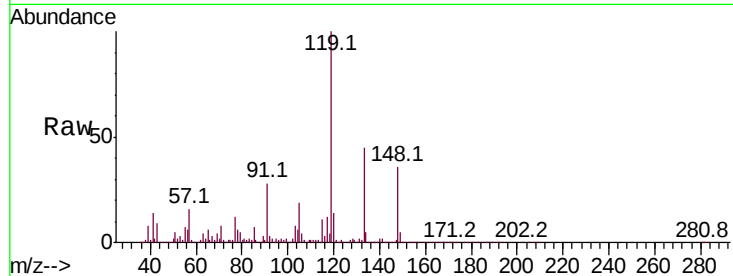
Tot Ion: 75 Resp: 45051

Ion Ratio Lower Upper

75 100

155 23.4 42.7 128.1#

157 0.7 55.5 166.3#



#95

Naphthalene

Concen: 150.503 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008567.D

Acq: 07 Feb 2019 21:44

Tgt Ion:128 Resp: 2526562

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 9.6 8.7 13.1

