

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008555.D
 Acq On : 07 Feb 2019 16:22
 Operator : SY/VA
 Sample : K1390-05
 Misc : 6.86G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)

Quant Time: Feb 08 22:42:09 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	763301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1269700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1159777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	582115	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	450238	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	
35) Dibromofluoromethane	7.88	113	393139	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.32	98	1519875	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	602172	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

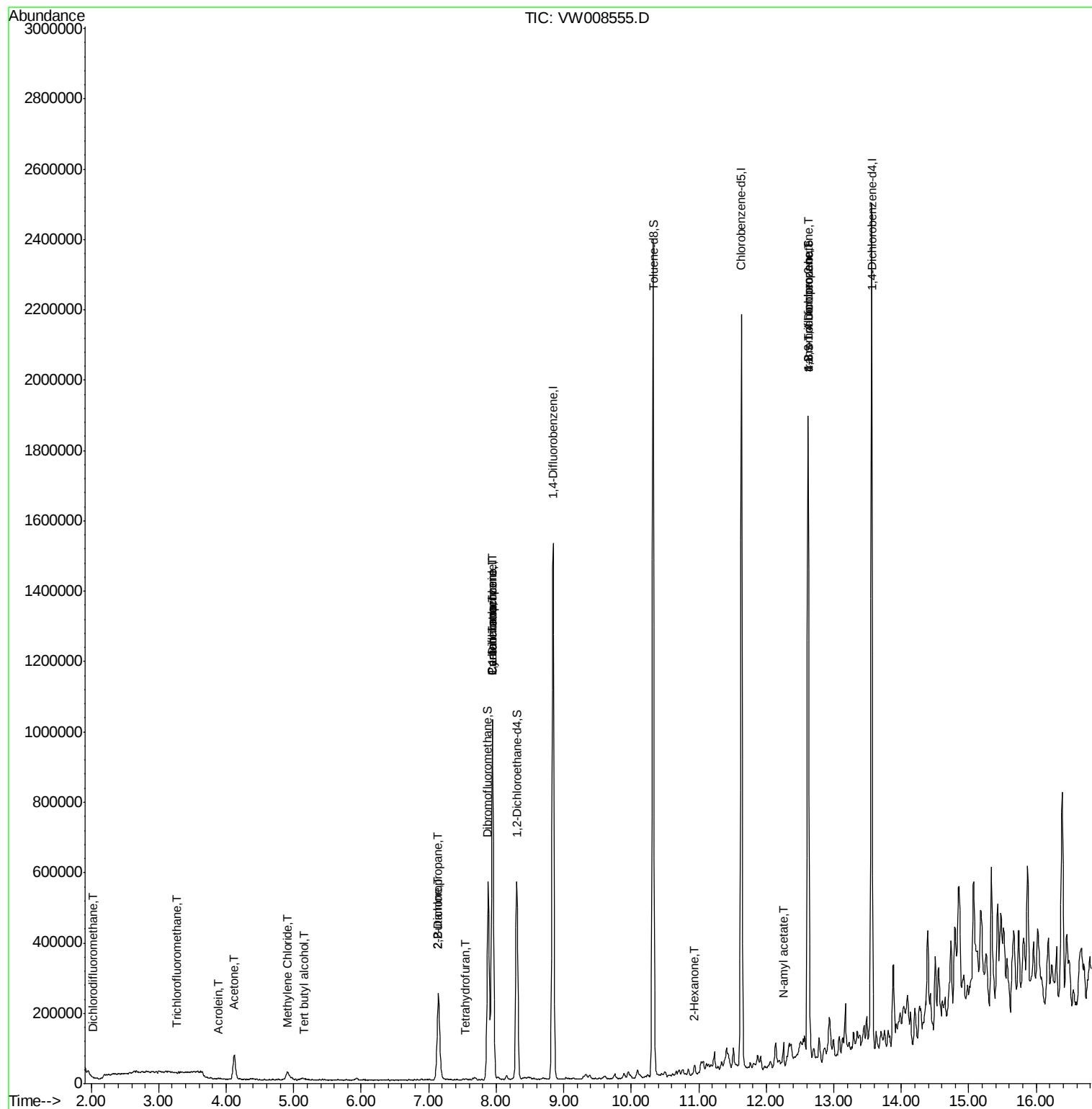
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	130	3.280	ug/l #	41
7) Trichlorofluoromethane	3.26	101	198	4.751	ug/l #	25
11) Tert butyl alcohol	5.15	59	4586	7.596	ug/l #	84
13) Acrolein	3.89	56	350	4.831	ug/l	95
16) Acetone	4.12	43	122537	72.768	ug/l	96
20) Methylene Chloride	4.91	84	17756	2.288	ug/l #	81
25) 2-Butanone	7.15	43	20026	8.562	ug/l #	69
26) 2,2-Dichloropropane	7.14	77	16932	1.760	ug/l #	58
29) Tetrahydrofuran	7.55	42	1505	1.015	ug/l #	53
31) Cyclohexane	7.94	56	18260	1.241	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	60496	5.044	ug/l #	51
38) Carbon Tetrachloride	7.95	117	73719	6.108	ug/l #	17
59) 2-Hexanone	10.94	43	12846	3.341	ug/l #	32
74) N-amyl acetate	12.26	43	17308	1.548	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	312961	61.837	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	312961	122.133	ug/l #	12

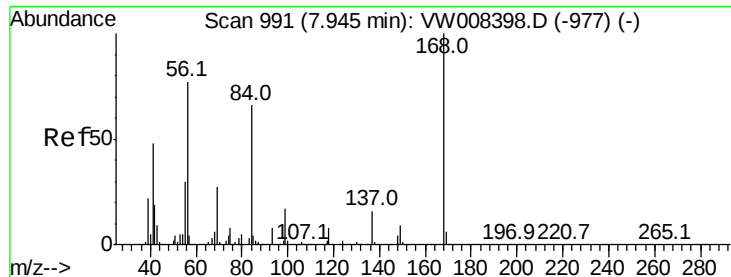
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

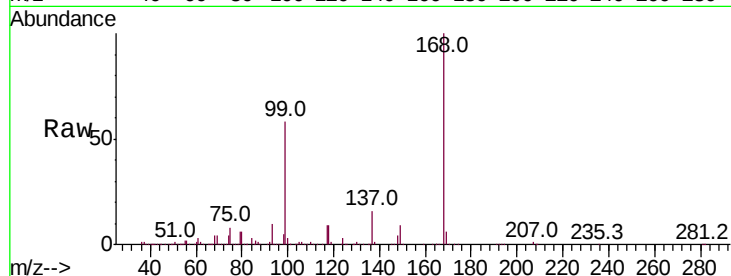
SB-04(13-14)

Tot Ion:168 Resp: 763301

Ion Ratio Lower Upper

168 100

99 57.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

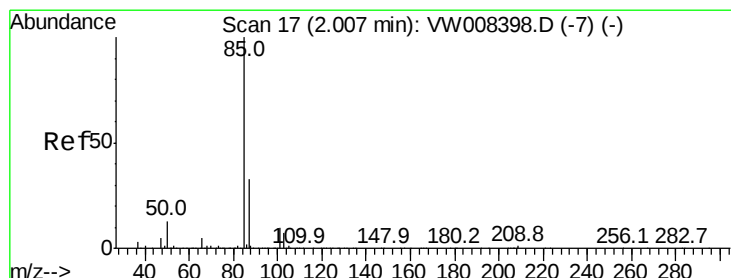
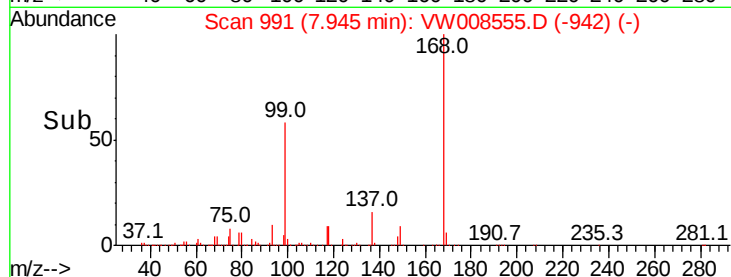
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.280 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW008555.D

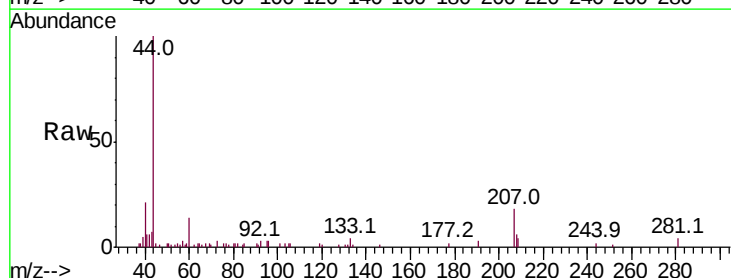
Acq: 07 Feb 2019 16:22

Tgt Ion: 85 Resp: 130

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

2.03

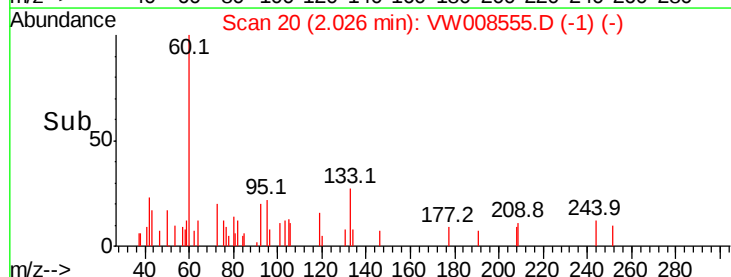
150

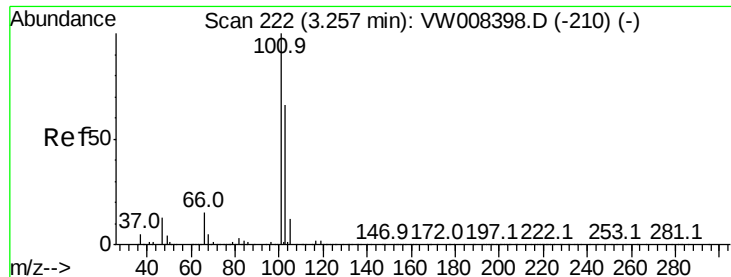
100

50

0

Time--> 2.00 2.01 2.02 2.03 2.04



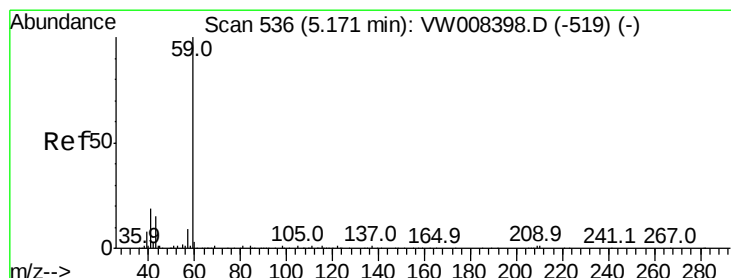
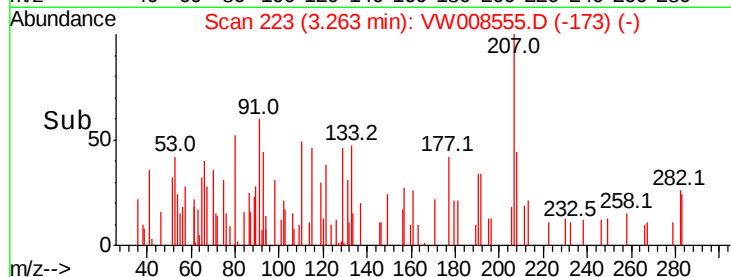
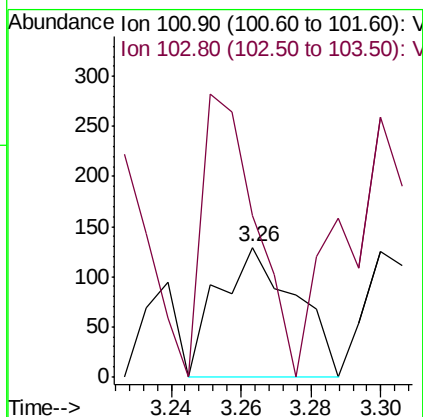
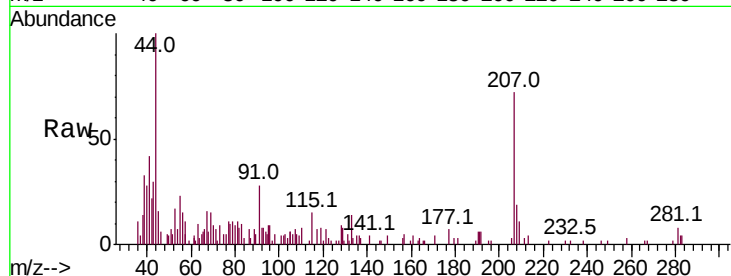


#7

Trichlorofluoromethane
 Concen: 4.751 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)

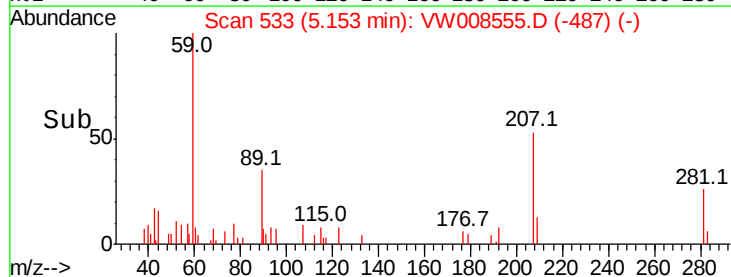
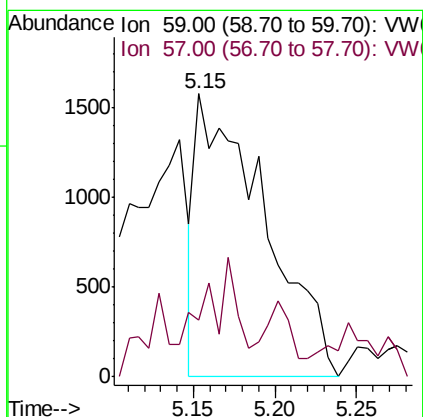
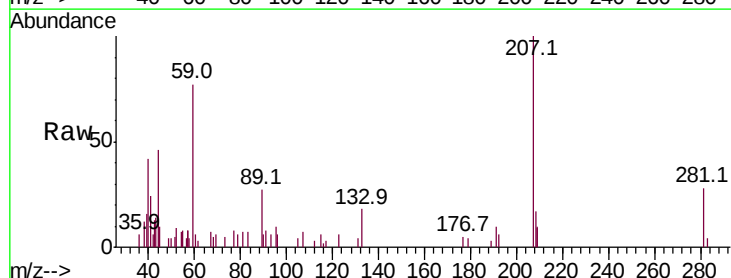
Tot Ion:101 Resp: 198
 Ion Ratio Lower Upper
 101 100
 103 124.8 52.5 78.7#

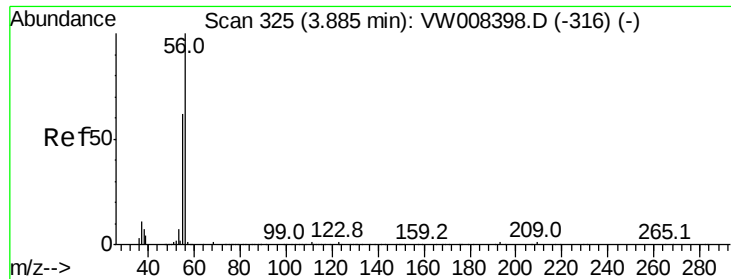


#11

Tert butyl alcohol
 Concen: 7.596 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

Tgt Ion: 59 Resp: 4586
 Ion Ratio Lower Upper
 59 100
 57 5.6 9.3 13.9#

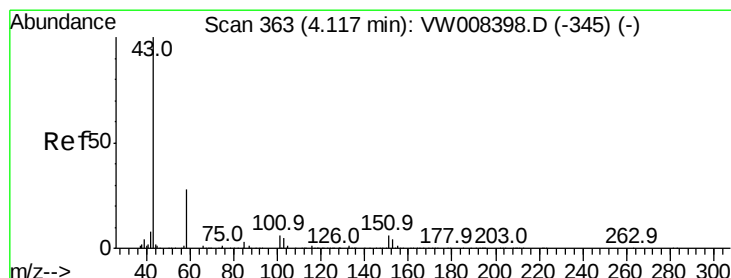
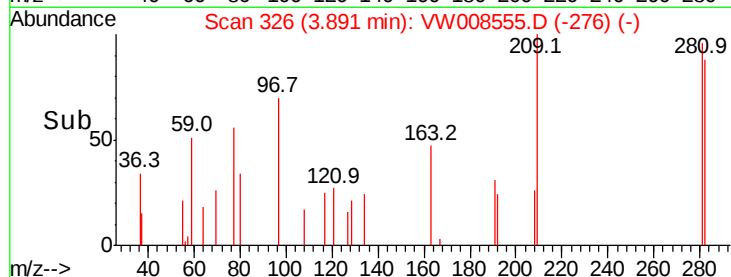
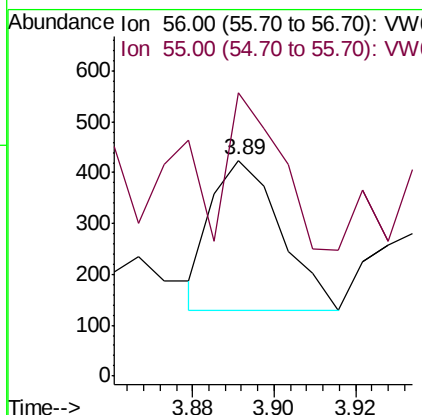
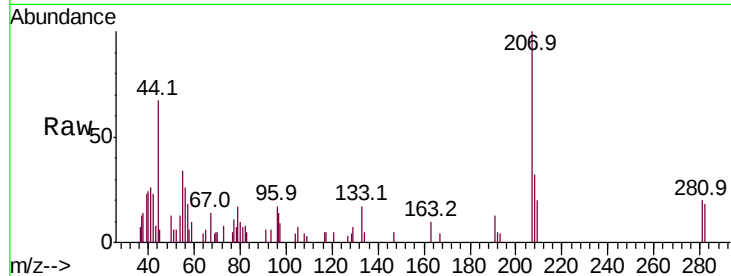




#13
Acrolein
Concen: 4.831 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008555.D
Acq: 07 Feb 2019 16:22

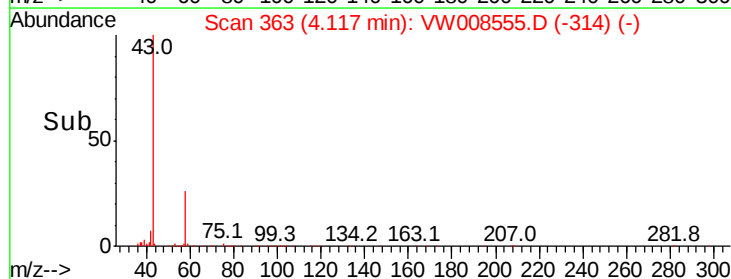
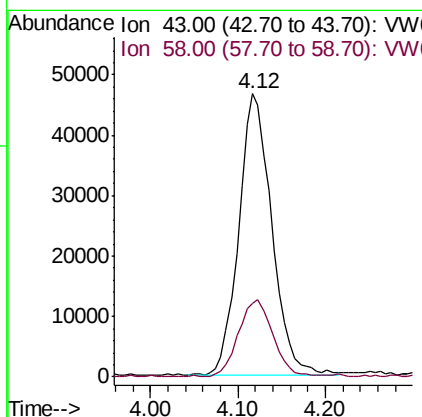
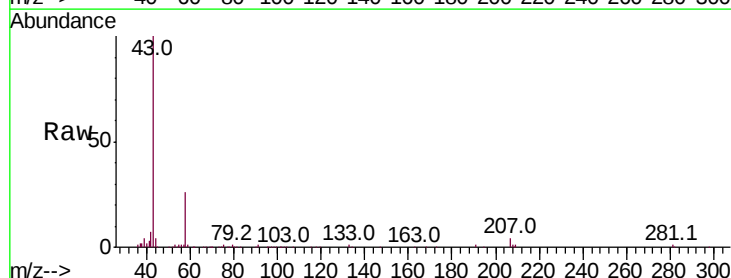
Instrument :
MSVOA_W
ClientSampled :
SB-04(13-14)

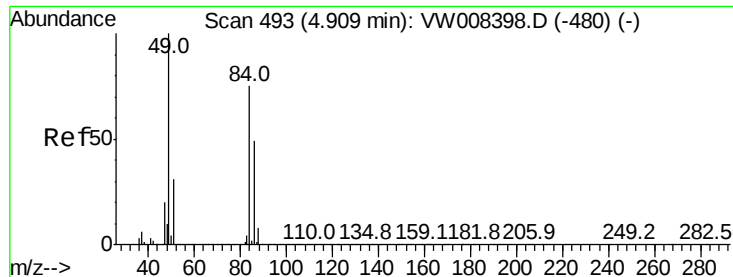
Tot Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
55 75.4 56.7 85.1



#16
Acetone
Concen: 72.768 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008555.D
Acq: 07 Feb 2019 16:22

Tgt Ion: 43 Resp: 122537
Ion Ratio Lower Upper
43 100
58 26.1 22.6 34.0

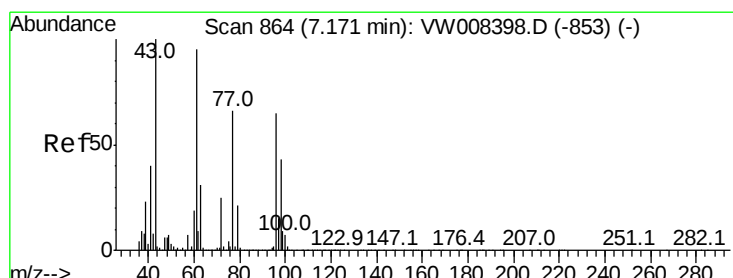
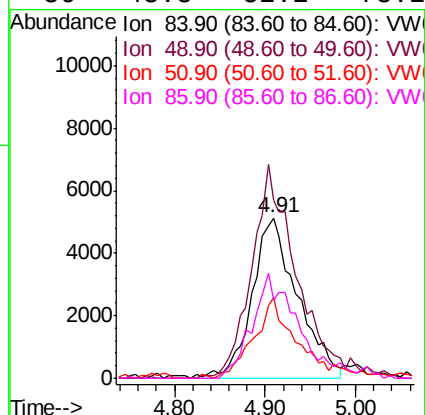
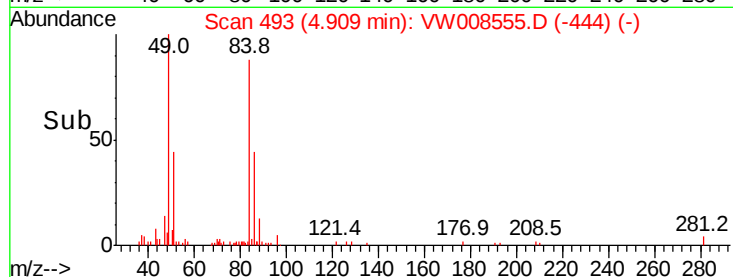
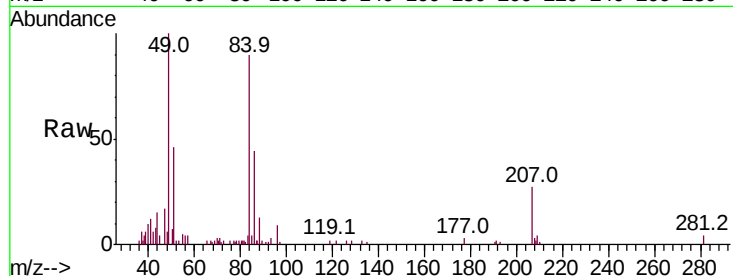




#20
Methvlene Chloride
Concen: 2.288 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008555.D
Acq: 07 Feb 2019 16:22

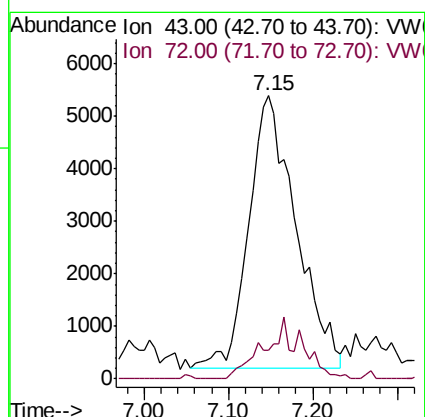
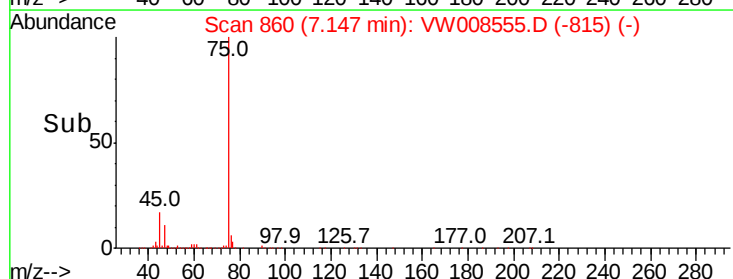
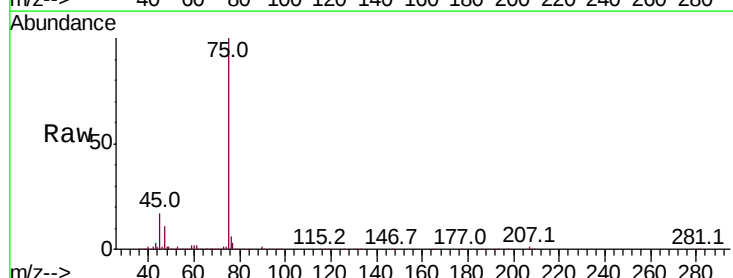
Instrument :
MSVOA_W
ClientSampled :
SB-04(13-14)

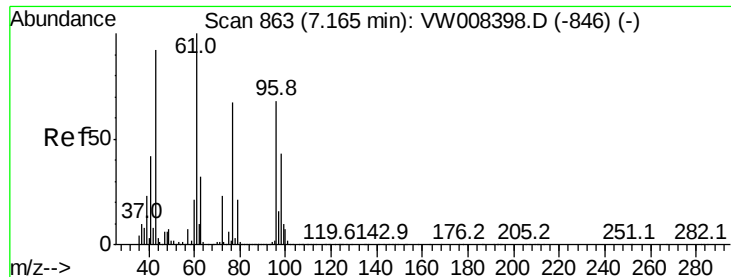
Tot Ion: 84 Resp: 17756
Ion Ratio Lower Upper
84 100
49 111.1 106.8 160.2
51 50.6 32.9 49.3#
86 48.8 52.2 78.2#



#25
2-Butanone
Concen: 8.562 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008555.D
Acq: 07 Feb 2019 16:22

Tgt Ion: 43 Resp: 20026
Ion Ratio Lower Upper
43 100
72 9.6 20.1 30.1#

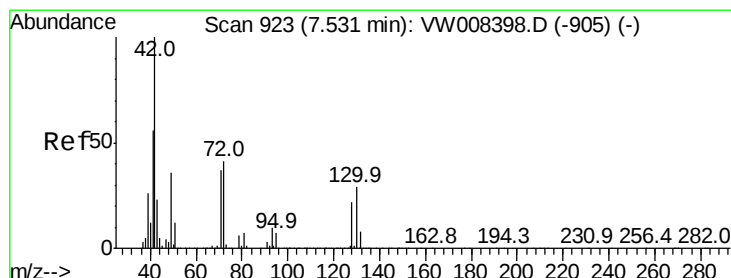
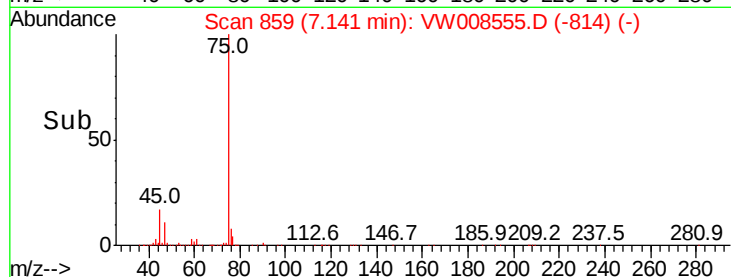
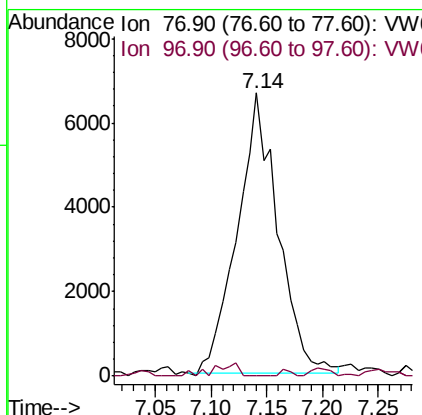
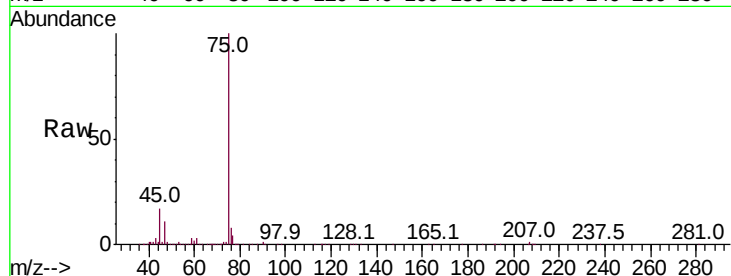




#26
 2,2-Dichloropropane
 Concen: 1.760 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

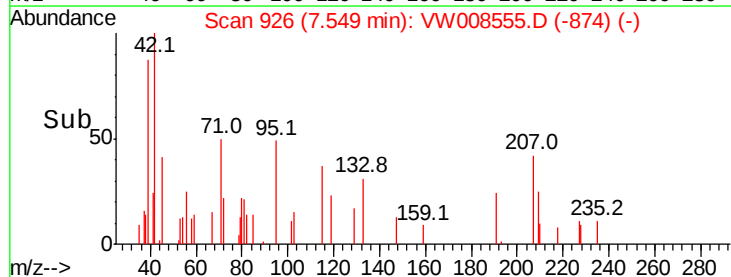
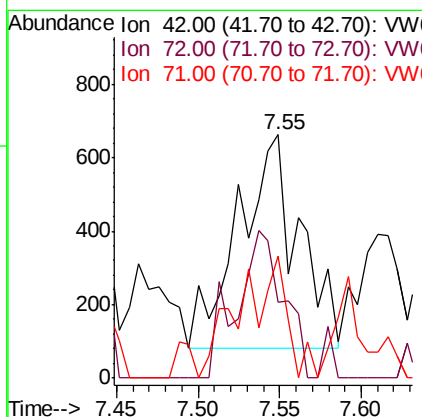
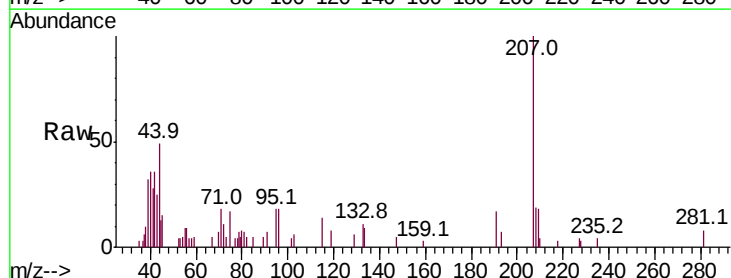
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)

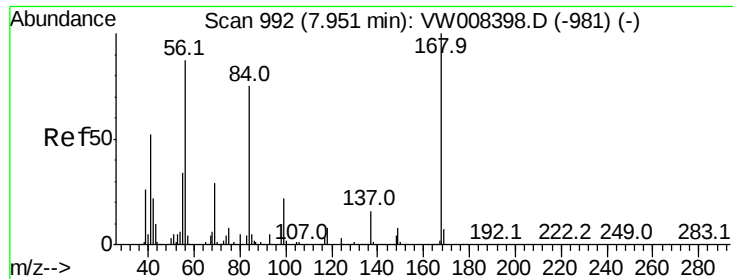
Tot Ion: 77 Resp: 16932
 Ion Ratio Lower Upper
 77 100
 97 2.4 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 1.015 ug/l
 RT: 7.55 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

Tgt Ion: 42 Resp: 1505
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.9 47.9#
 71 20.1 29.9 44.9#





#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)

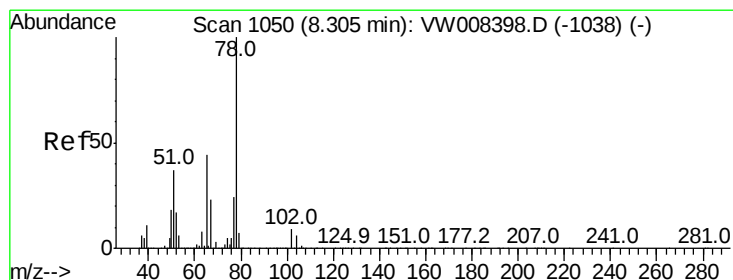
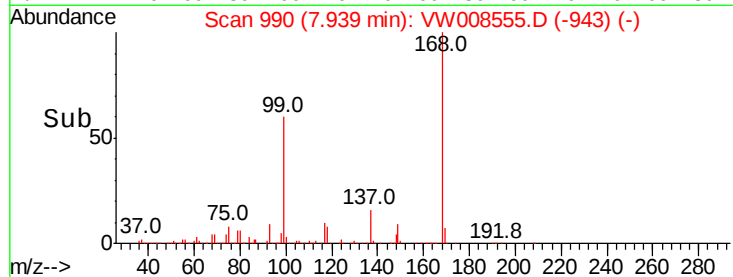
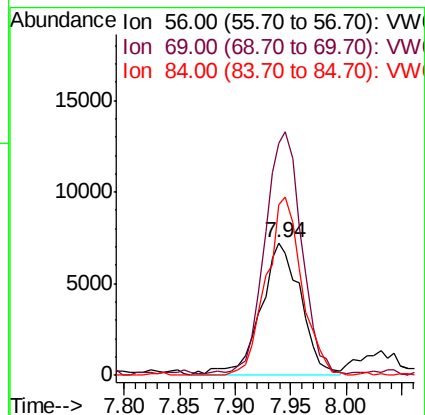
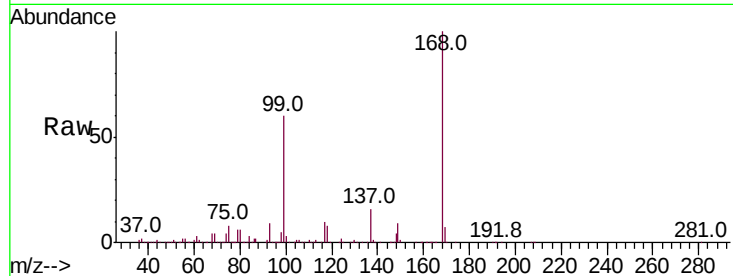
Tot Ion: 56 Resp: 18260

Ion Ratio Lower Upper

56 100

69 172.9 26.4 39.6#

84 129.1 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 60.042 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008555.D

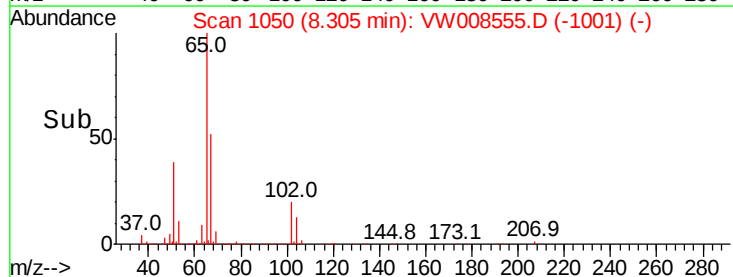
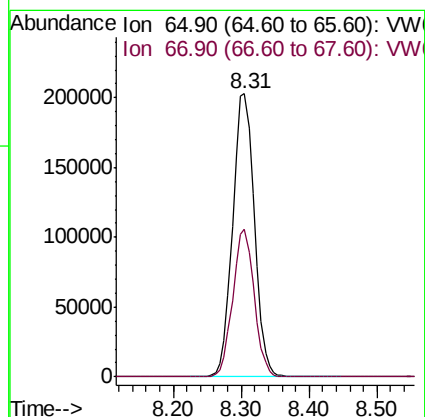
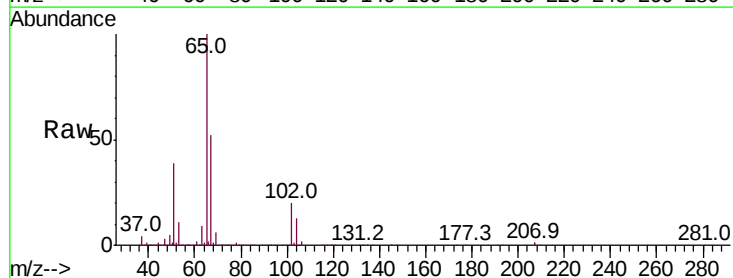
Acq: 07 Feb 2019 16:22

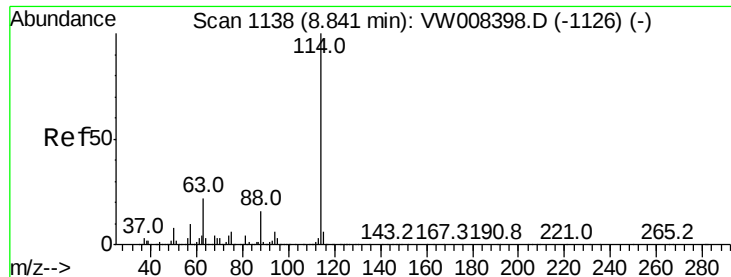
Tgt Ion: 65 Resp: 450238

Ion Ratio Lower Upper

65 100

67 51.2 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: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)

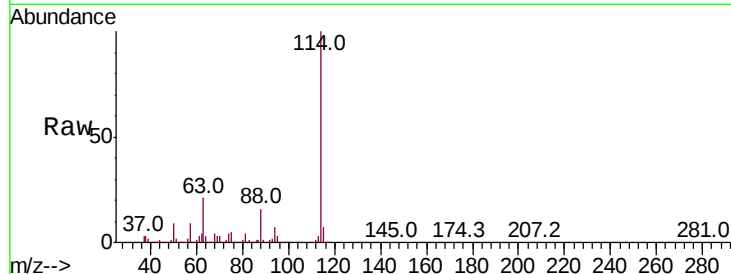
Tot Ion:114 Resp: 1269700

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.6

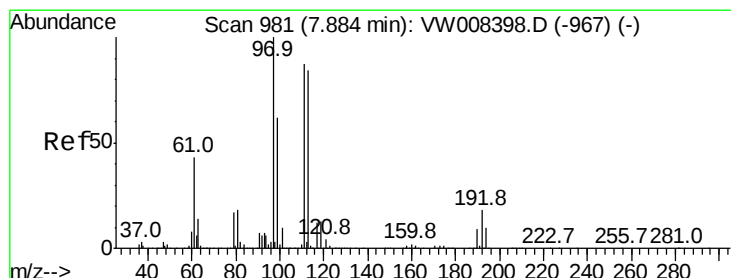
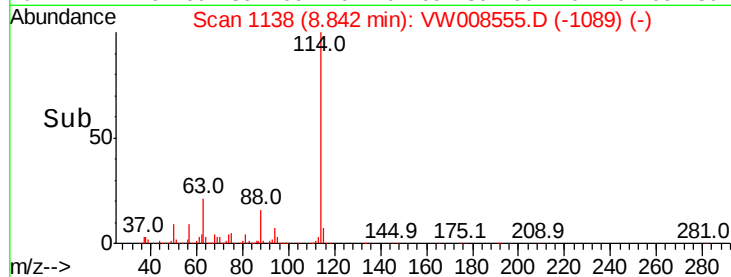
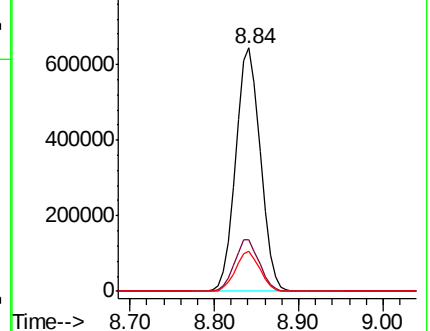
88 16.4 0.0 31.8



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



#35

Dibromofluoromethane

Concen: 52.953 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

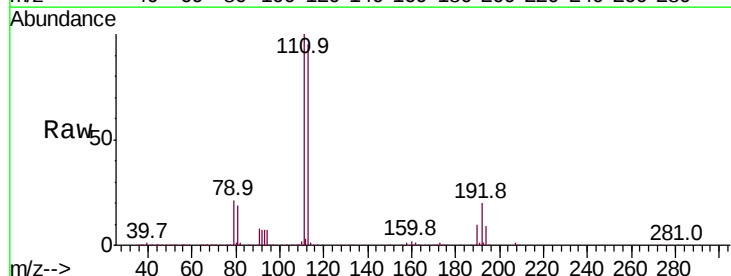
Tgt Ion:113 Resp: 393139

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

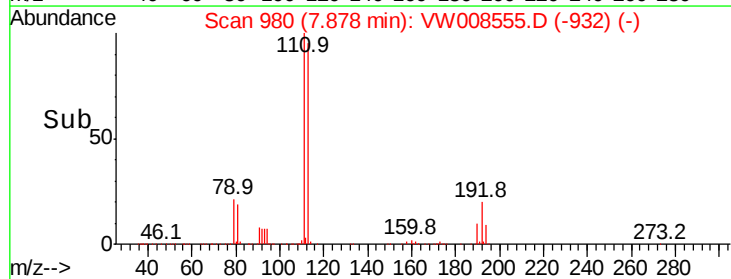
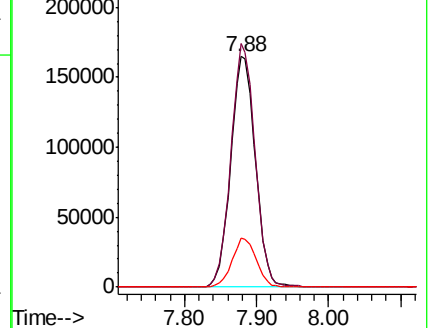
192 20.7 16.8 25.2

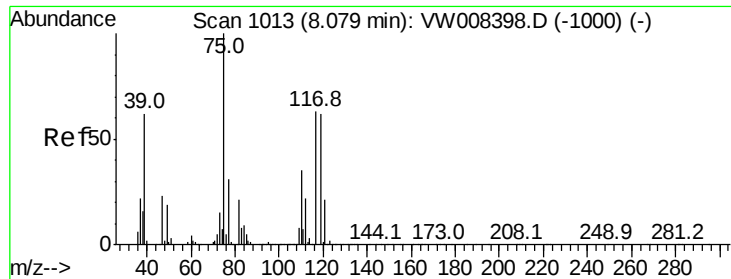


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

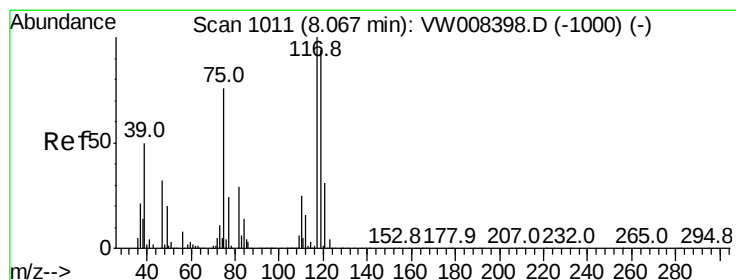
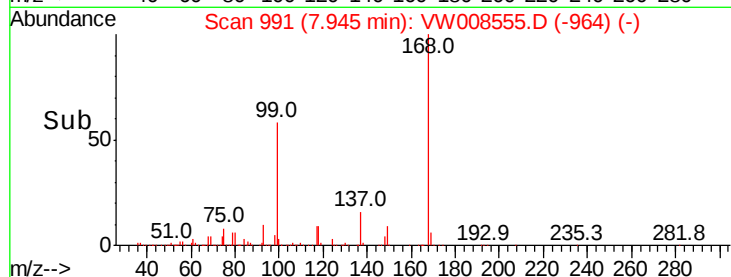
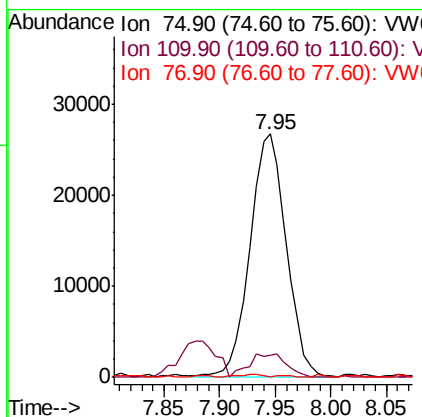
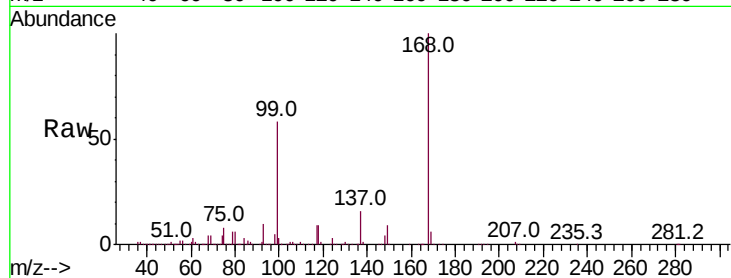




#36
 1,1-Dichloropropene
 Concen: 5.044 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

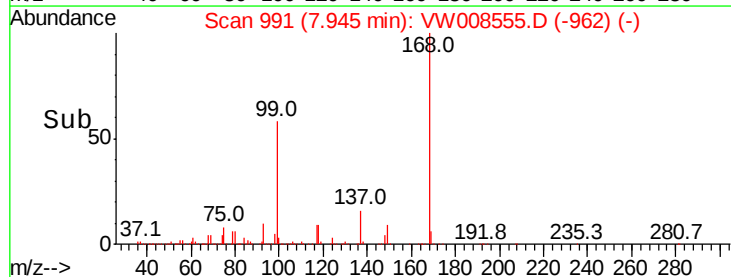
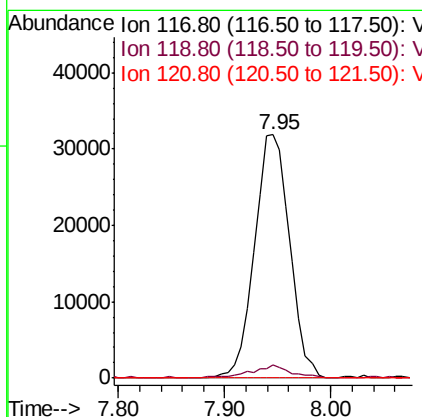
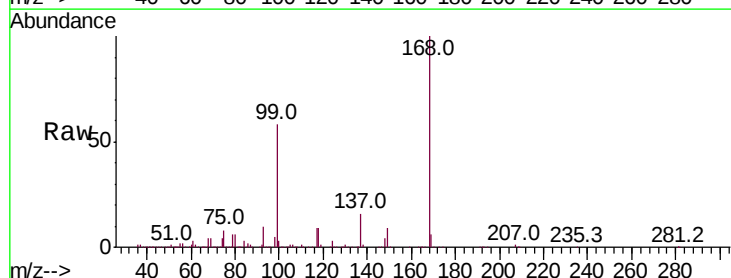
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(13-14)

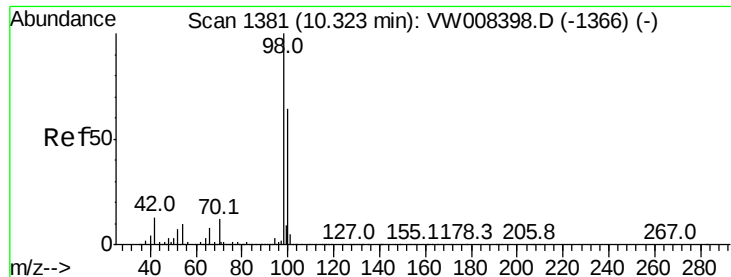
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.4	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.108 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008555.D
 Acq: 07 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.0	112.4#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 51.050 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

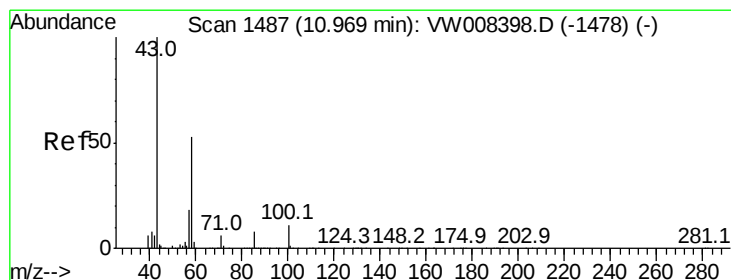
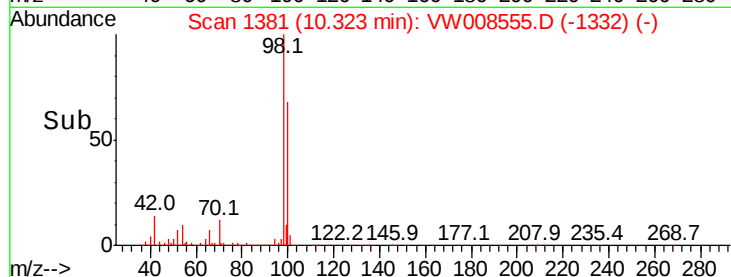
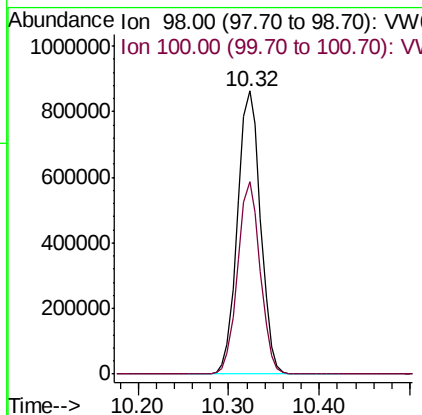
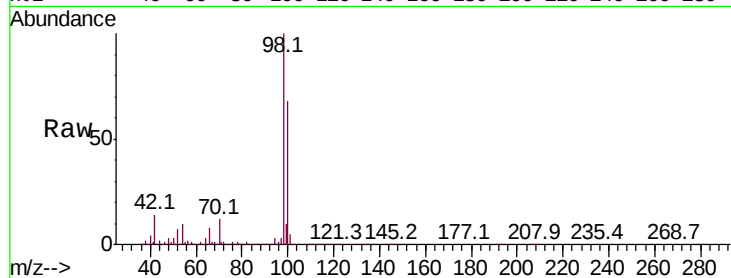
SB-04(13-14)

Tot Ion: 98 Resp: 1519875

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8



#59

2-Hexanone

Concen: 3.341 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW008555.D

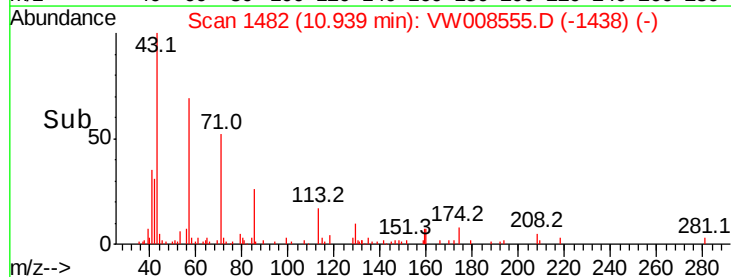
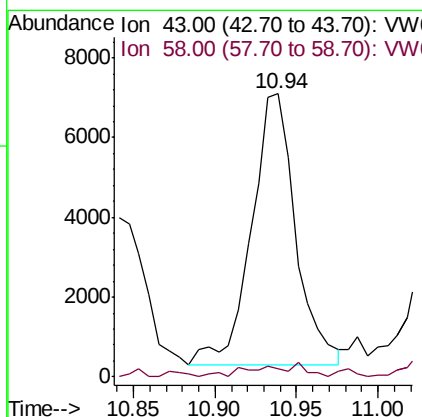
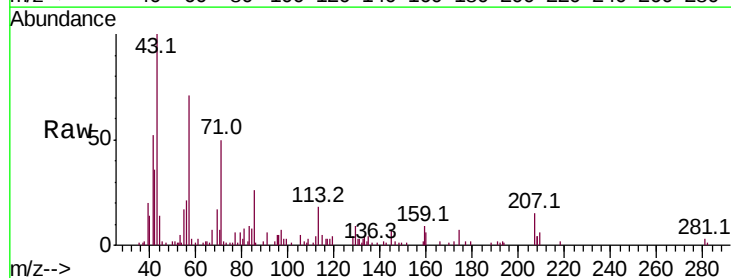
Acq: 07 Feb 2019 16:22

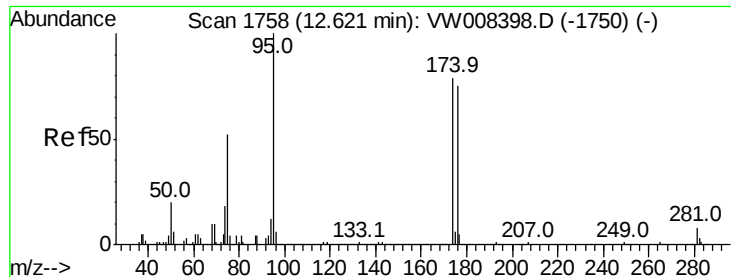
Tgt Ion: 43 Resp: 12846

Ion Ratio Lower Upper

43 100

58 3.9 25.9 77.7#





#62

4-Bromofluorobenzene

Concen: 52.620 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)

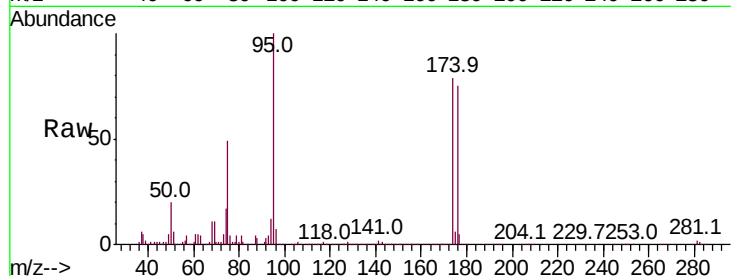
Tot Ion: 95 Resp: 602172

Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.6

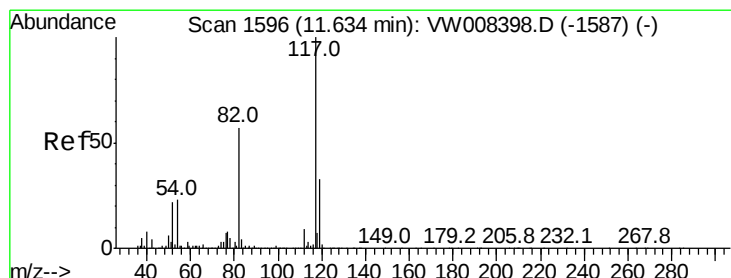
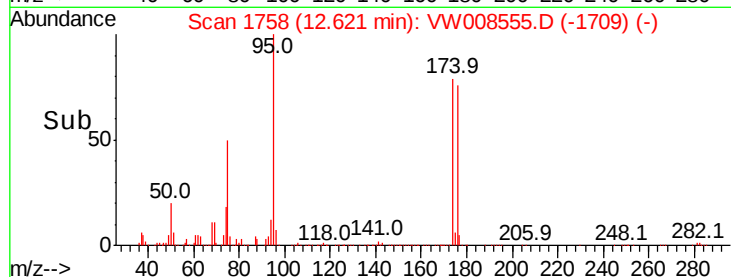
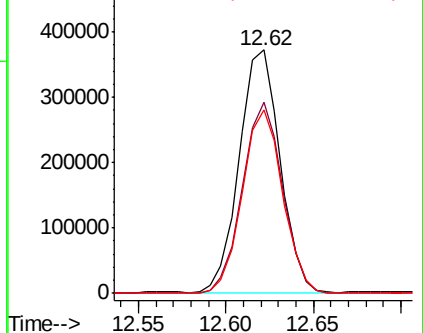
176 75.0 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

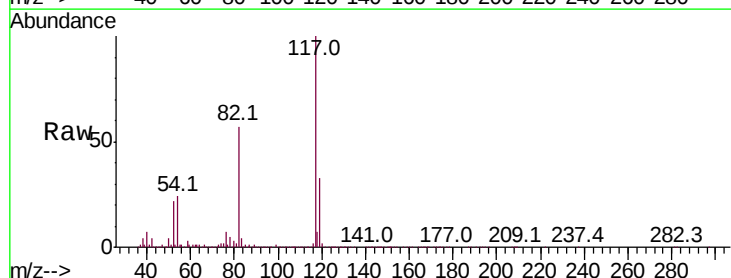
Tgt Ion: 117 Resp: 1159777

Ion Ratio Lower Upper

117 100

82 56.5 45.4 68.0

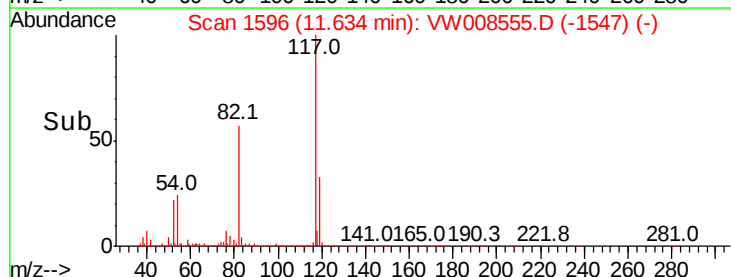
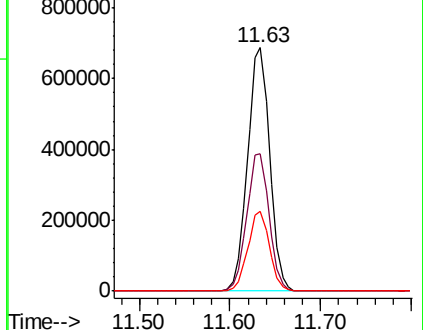
119 33.0 26.2 39.4

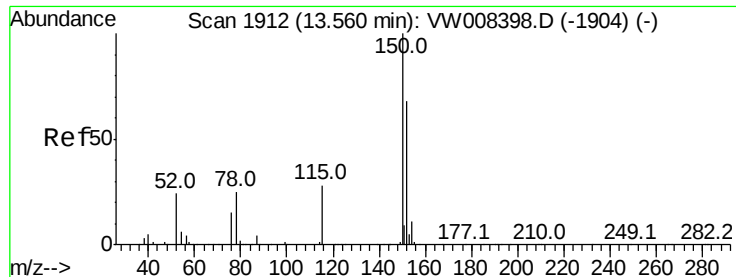


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

SB-04(13-14)

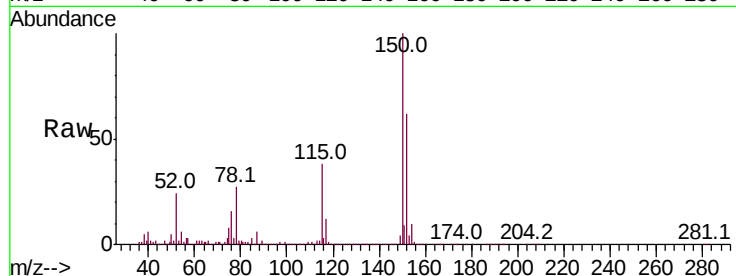
Tot Ion:152 Resp: 582115

Ion Ratio Lower Upper

152 100

115 60.6 29.9 89.7

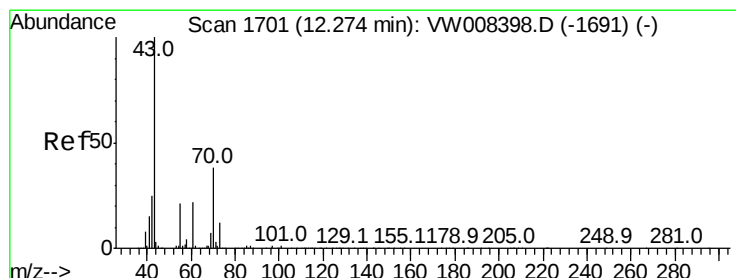
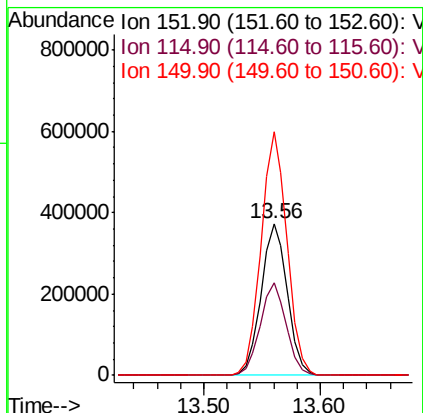
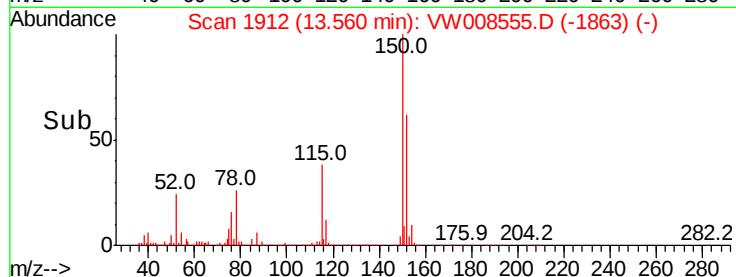
150 159.0 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.548 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Tgt Ion: 43 Resp: 17308

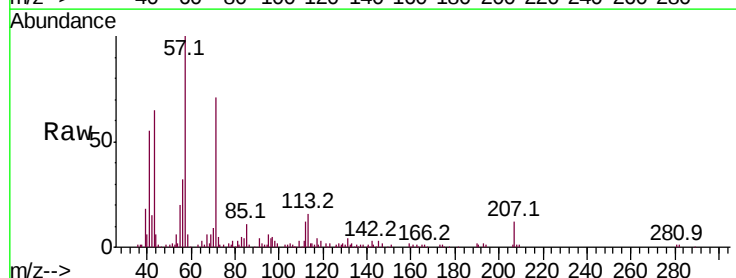
Ion Ratio Lower Upper

43 100

70 24.1 31.0 46.6#

55 0.0 17.4 26.2#

61 0.0 18.2 27.4#

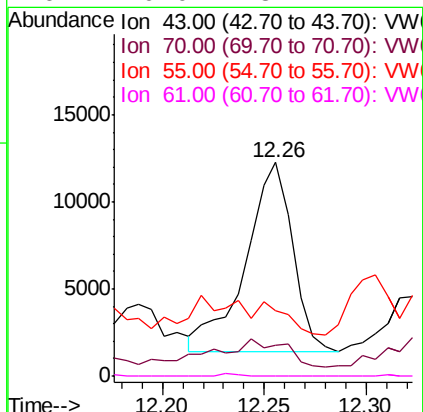
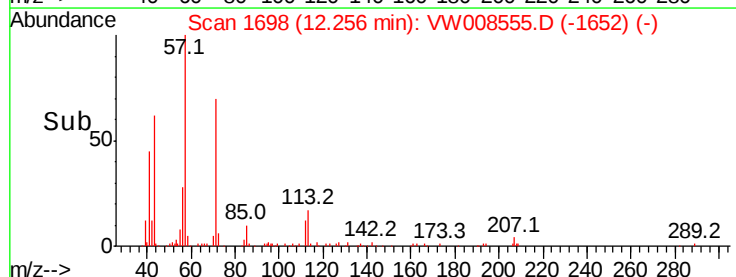


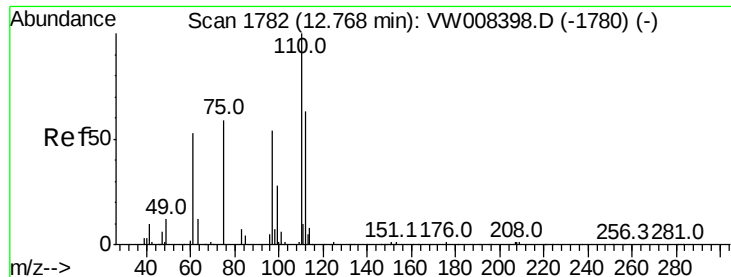
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#76

1,2,3-Trichloropropane

Concen: 61.837 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

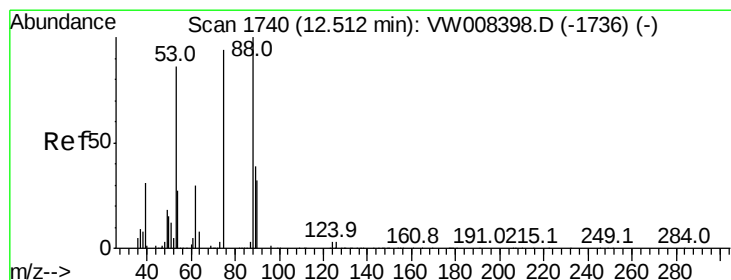
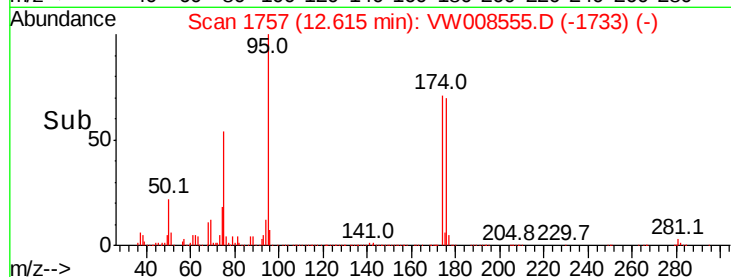
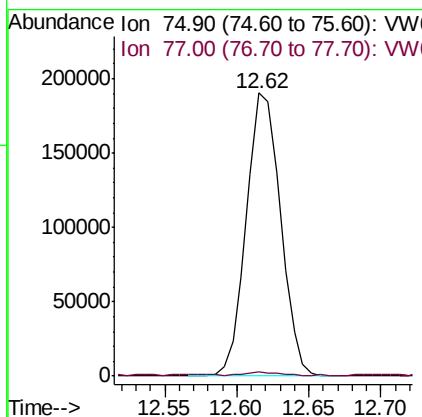
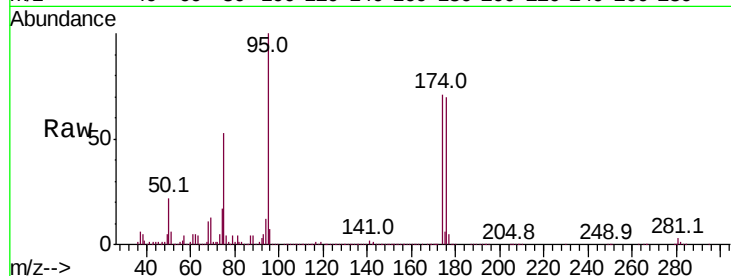
SB-04(13-14)

Tot Ion: 75 Resp: 312961

Ion Ratio Lower Upper

75 100

77 1.1 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.133 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008555.D

Acq: 07 Feb 2019 16:22

Tgt Ion: 75 Resp: 312961

Ion Ratio Lower Upper

75 100

53 0.3 76.0 114.0#

89 0.2 35.4 53.0#

