

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008559.D
 Acq On : 07 Feb 2019 18:09
 Operator : SY/VA
 Sample : K1390-09
 Misc : 6.46G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-06(13-14)

Quant Time: Feb 08 22:43:06 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	513189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	840921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	769911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	390127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	275861	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.88	113	253557	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.32	98	1012500	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.62	95	381618	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

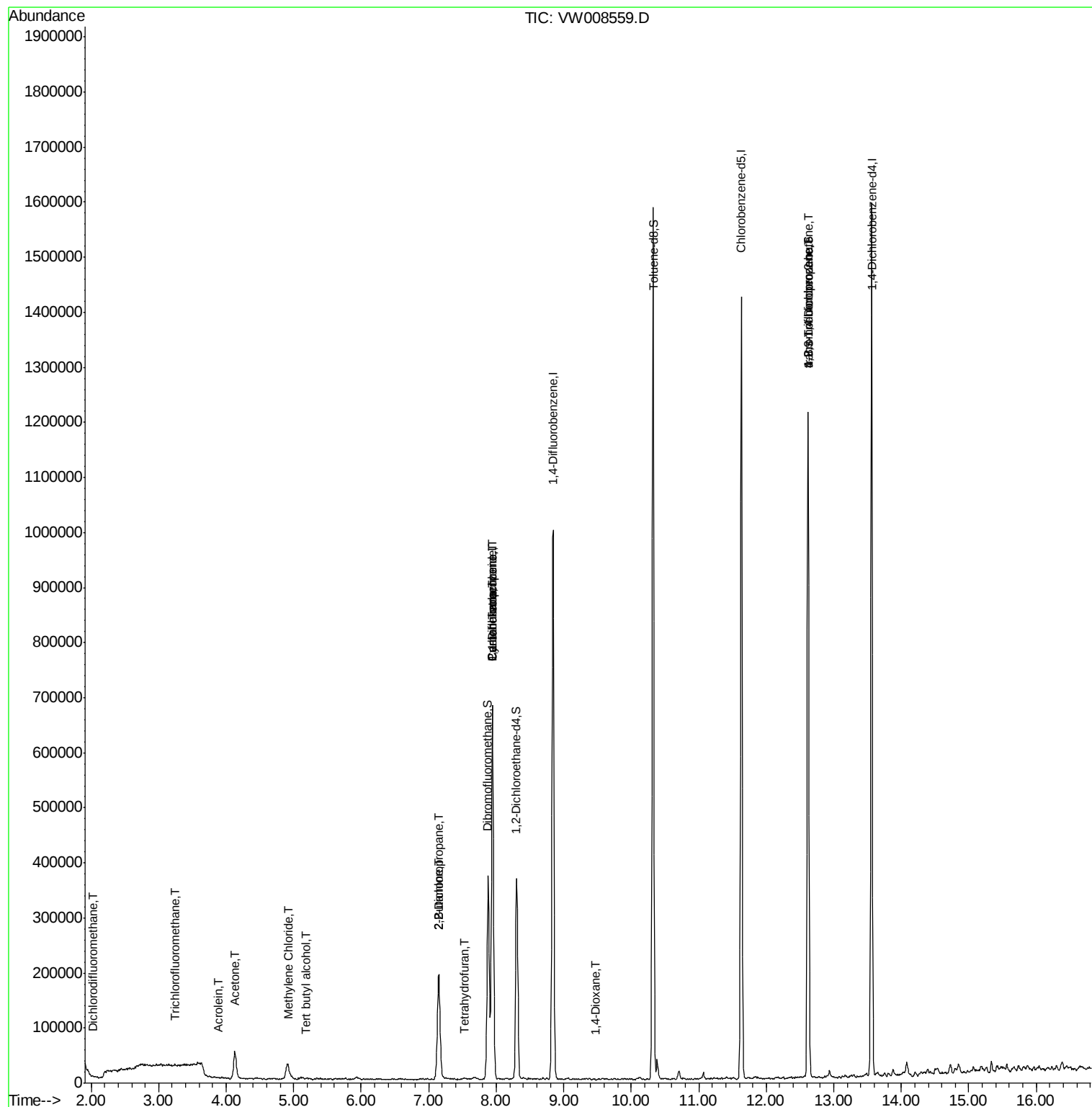
						Qvalue
2) Dichlorodifluoromethane	2.01	85	300	3.347	ug/l	87
7) Trichlorofluoromethane	3.25	101	108	4.746	ug/l #	1
11) Tert butyl alcohol	5.17	59	663	1.633	ug/l #	70
13) Acrolein	3.89	56	258	4.894	ug/l #	47
16) Acetone	4.13	43	94478	83.449	ug/l	99
20) Methylene Chloride	4.91	84	23188	4.444	ug/l	92
25) 2-Butanone	7.15	43	13973	8.886	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	13613	2.105	ug/l #	53
29) Tetrahydrofuran	7.53	42	1829	1.835	ug/l #	71
31) Cyclohexane	7.95	56	12445	1.258	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	38451	4.841	ug/l #	51
38) Carbon Tetrachloride	7.95	117	48409	6.056	ug/l #	16
49) 1,4-Dioxane	9.47	88	91	1.905	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	202460	59.690	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	202460	117.892	ug/l #	12

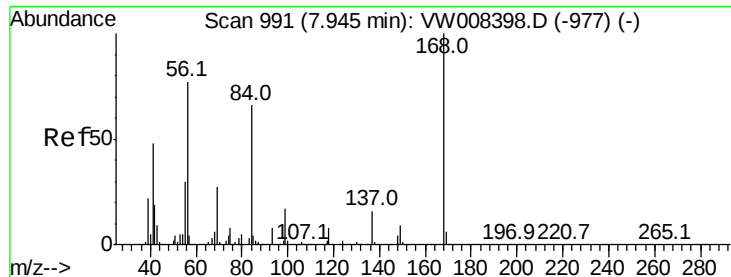
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampled :

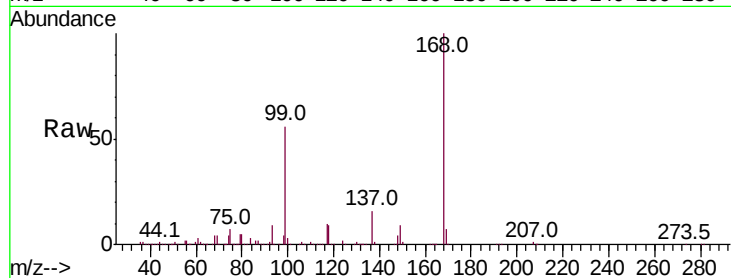
SB-06(13-14)

Tot Ion:168 Resp: 513189

Ion Ratio Lower Upper

168 100

99 55.7 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

250000

200000

150000

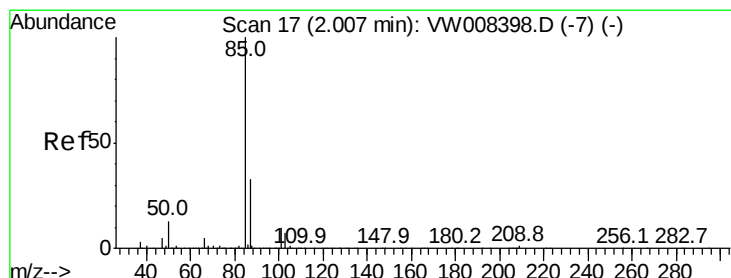
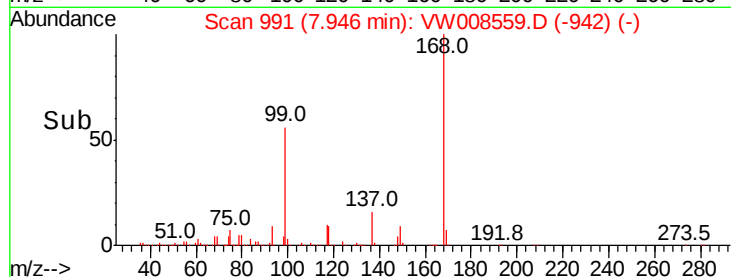
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 3.347 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008559.D

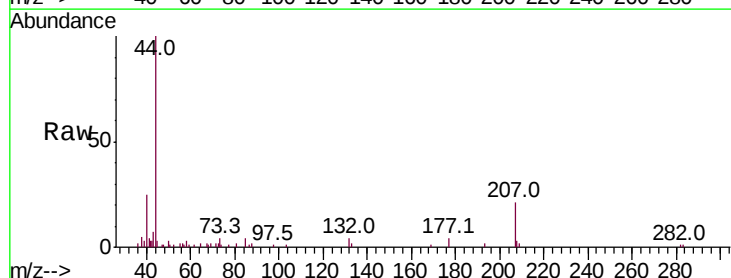
Acq: 07 Feb 2019 18:09

Tgt Ion: 85 Resp: 300

Ion Ratio Lower Upper

85 100

87 26.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

200

150

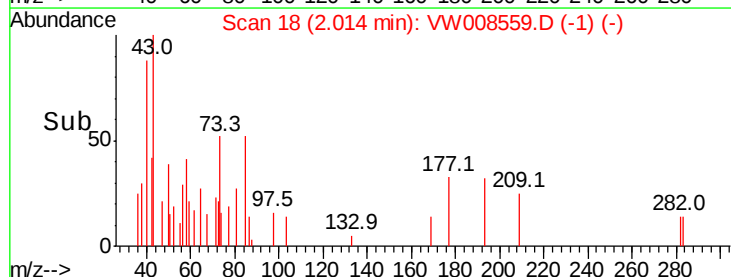
100

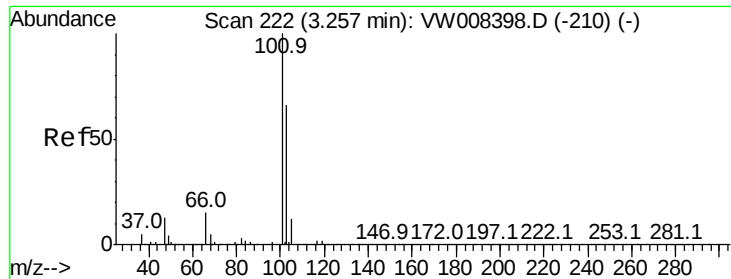
50

0

Time-->

1.96 1.98 2.00 2.02 2.04



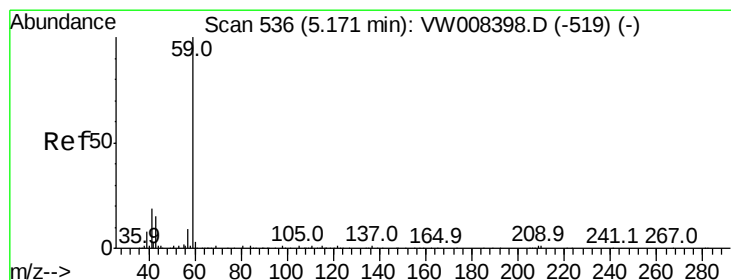
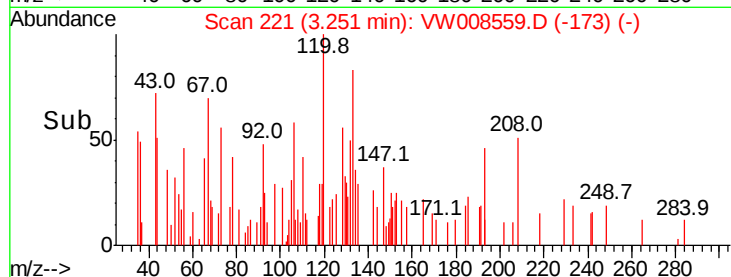
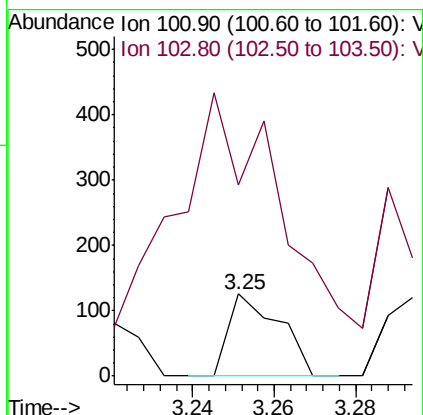
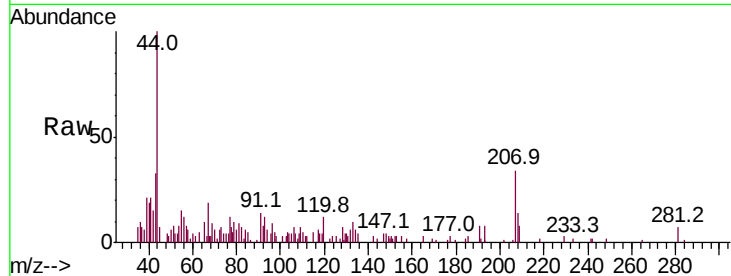


#7

Trichlorofluoromethane
Concen: 4.746 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampled :
SB-06(13-14)

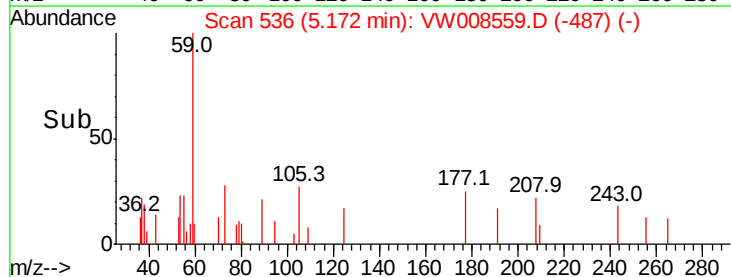
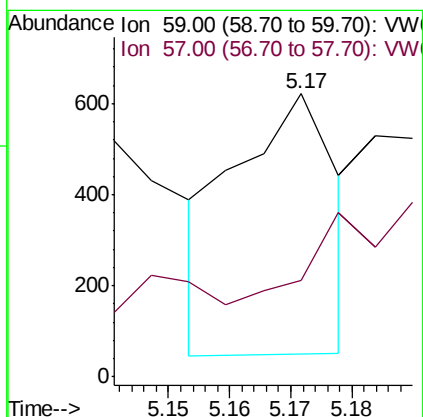
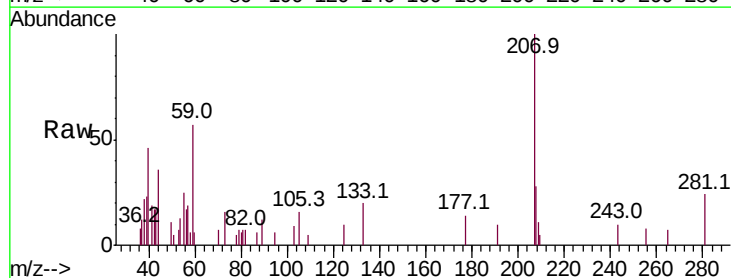
Tot Ion:101 Resp: 108
Ion Ratio Lower Upper
101 100
103 149.2 52.5 78.7#

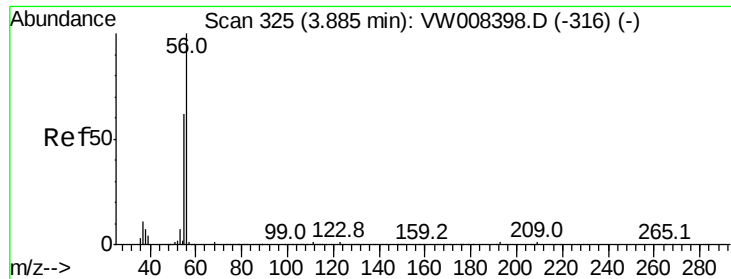


#11

Tert butyl alcohol
Concen: 1.633 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: 4.894 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

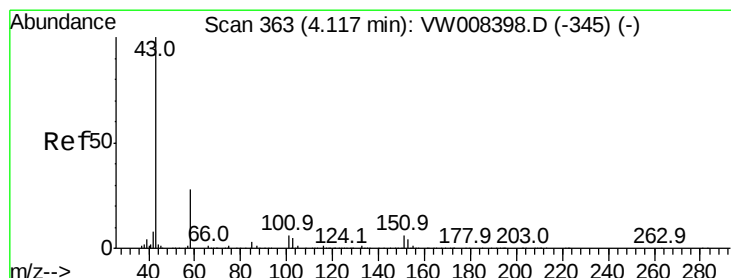
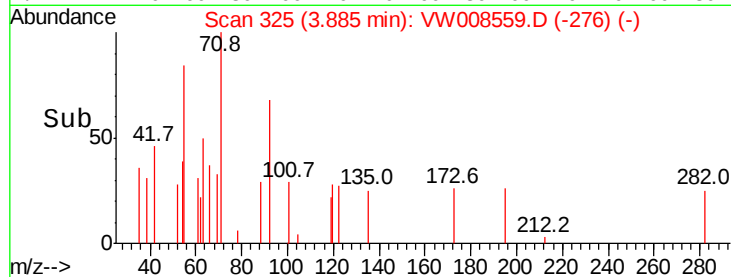
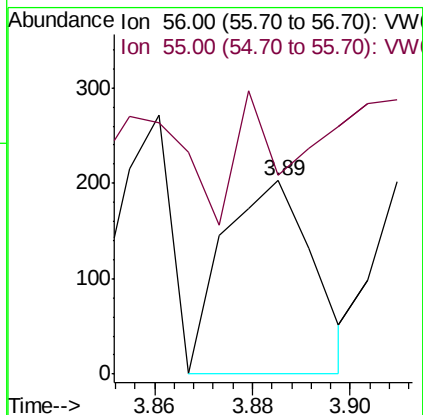
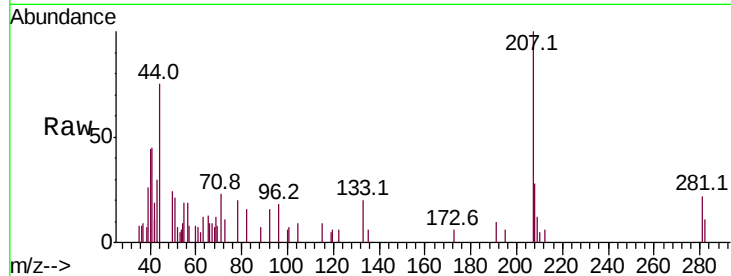
SB-06(13-14)

Tot Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 27.5 56.7 85.1#



#16

Acetone

Concen: 83.449 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008559.D

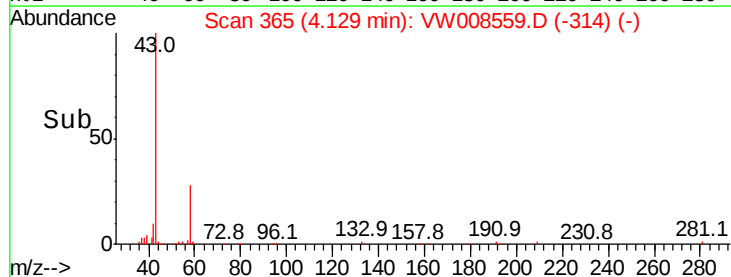
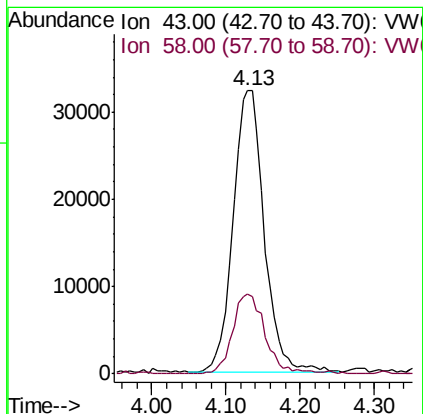
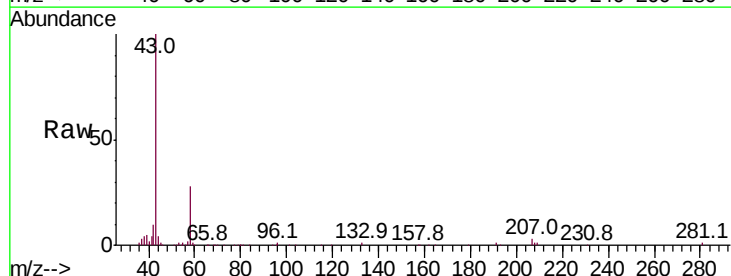
Acq: 07 Feb 2019 18:09

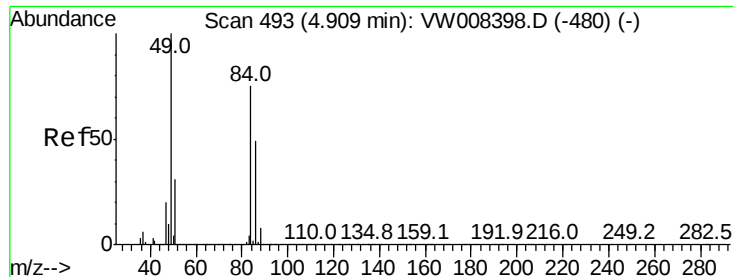
Tgt Ion: 43 Resp: 94478

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0

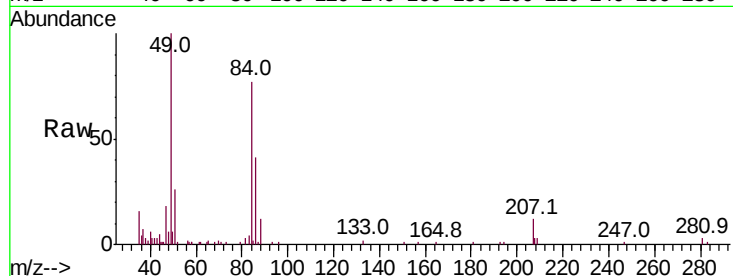




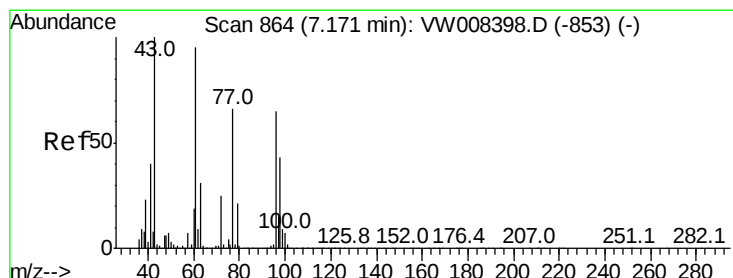
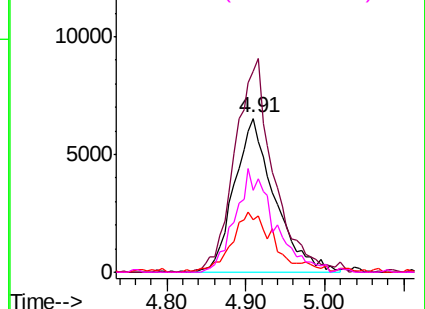
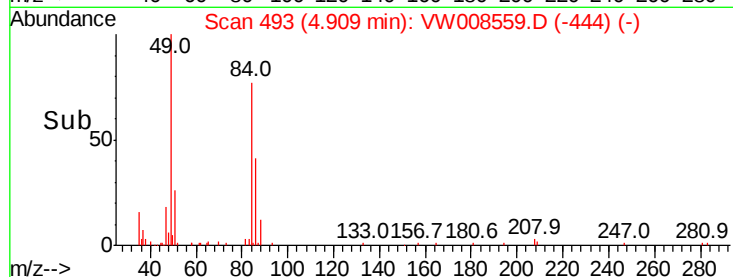
#20
Methvlene Chloride
Concen: 4.444 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampled :
SB-06(13-14)

Tot Ion:	84	Resp:	23188
Ion	Ratio	Lower	Upper
84	100		
49	130.6	106.8	160.2
51	32.9	32.9	49.3
86	53.5	52.2	78.2

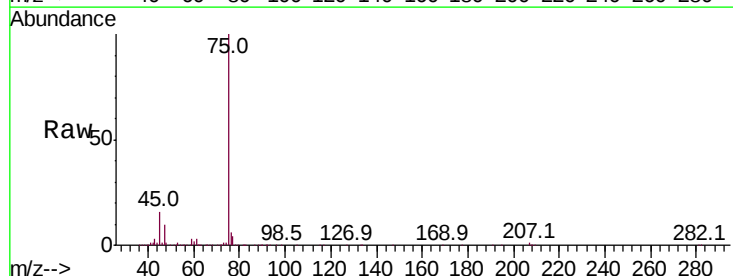


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

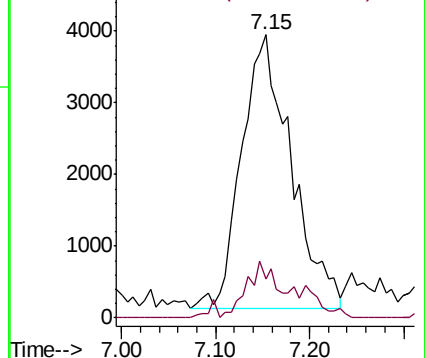
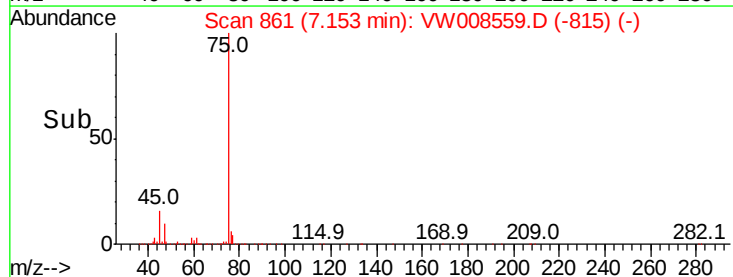


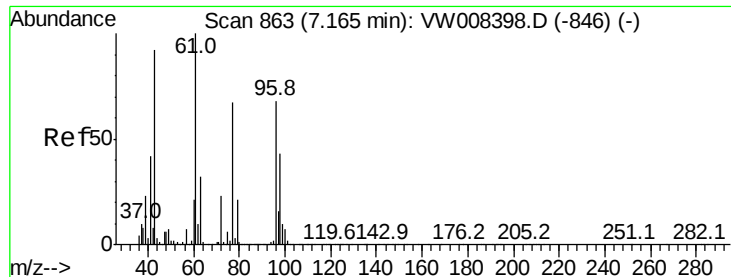
#25
2-Butanone
Concen: 8.886 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Tgt Ion:	43	Resp:	13973
Ion	Ratio	Lower	Upper
43	100		
72	14.4	20.1	30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.105 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

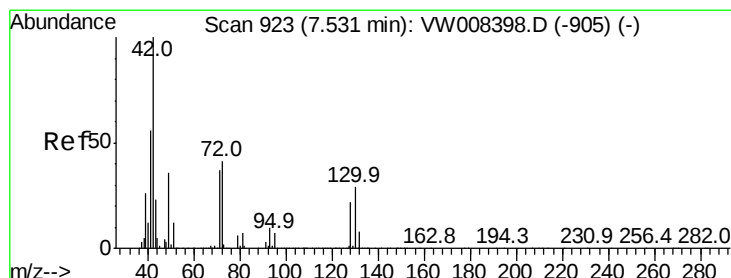
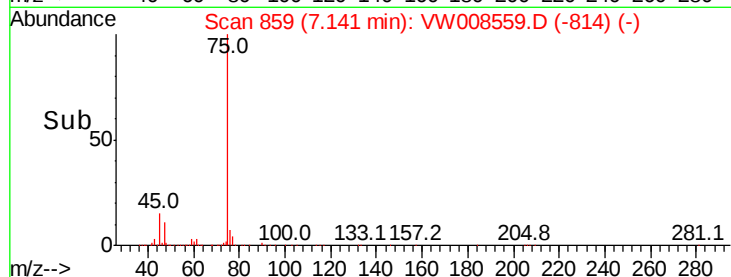
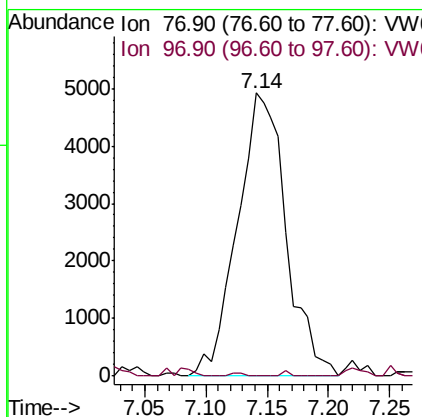
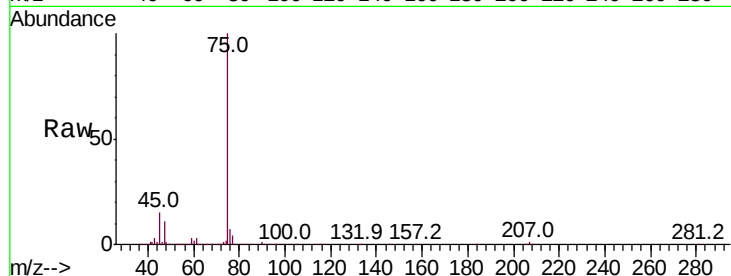
Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampled :
SB-06(13-14)

Tot Ion: 77 Resp: 13613

Ion	Ratio	Lower	Upper
77	100		
97	0.3	11.5	34.5#



#29

Tetrahydrofuran

Concen: 1.835 ug/l

RT: 7.53 min Scan# 923

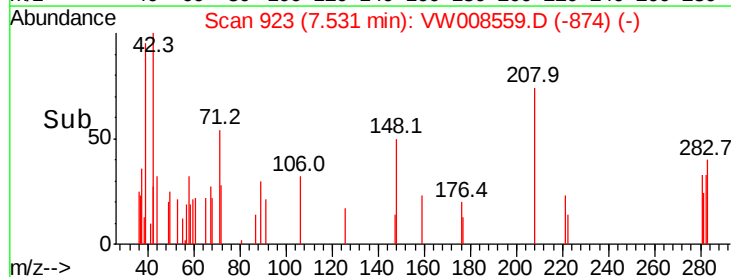
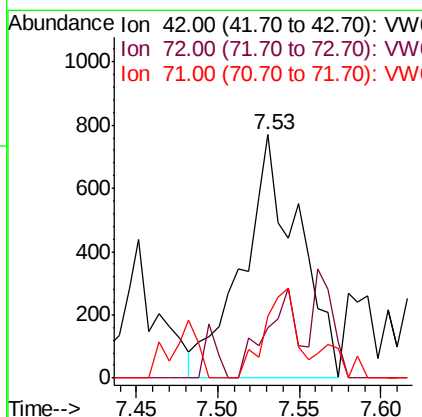
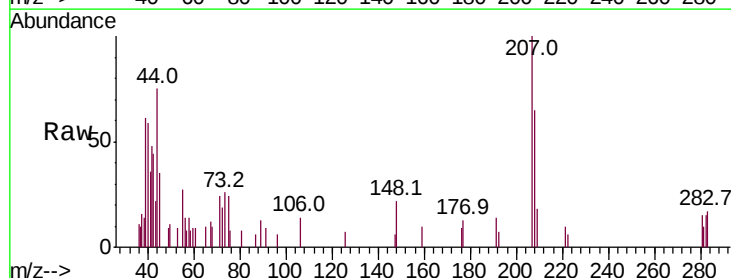
Delta R.T. 0.00 min

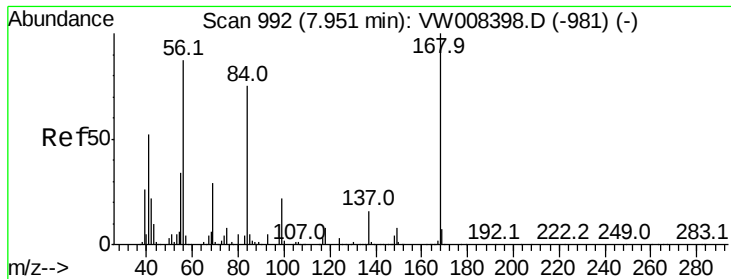
Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Tgt Ion: 42 Resp: 1829

Ion	Ratio	Lower	Upper
42	100		
72	21.3	31.9	47.9#
71	21.1	29.9	44.9#





#31

Cvclohexane

Concen: 1.258 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06(13-14)

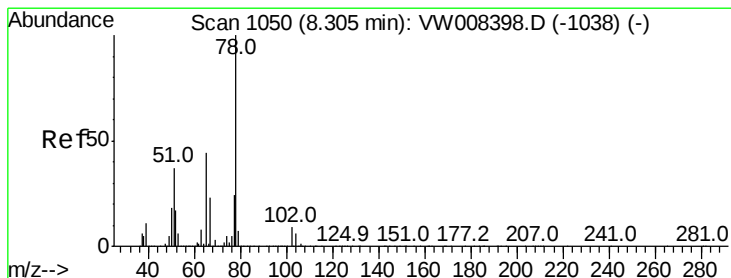
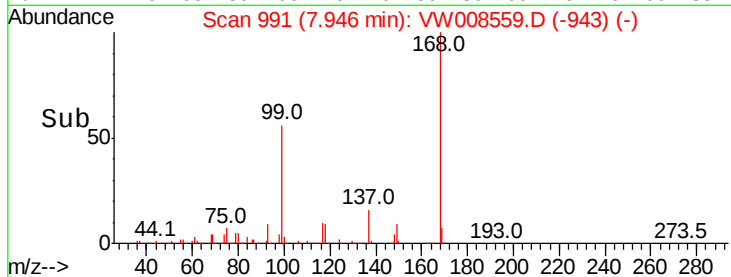
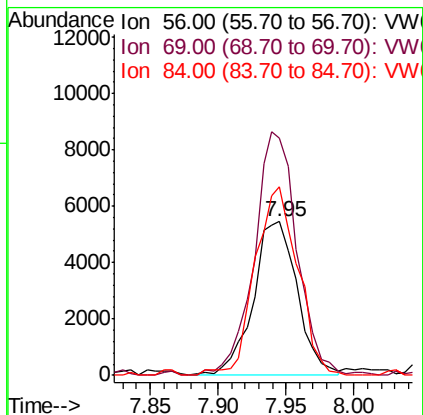
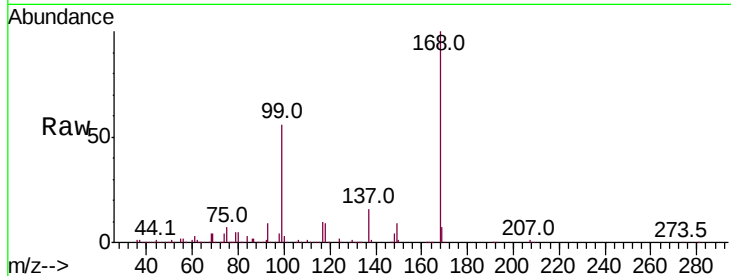
Tot Ion: 56 Resp: 12445

Ion Ratio Lower Upper

56 100

69 154.6 26.4 39.6#

84 122.4 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 54.717 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008559.D

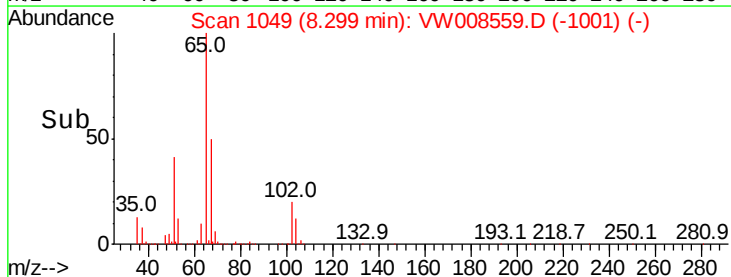
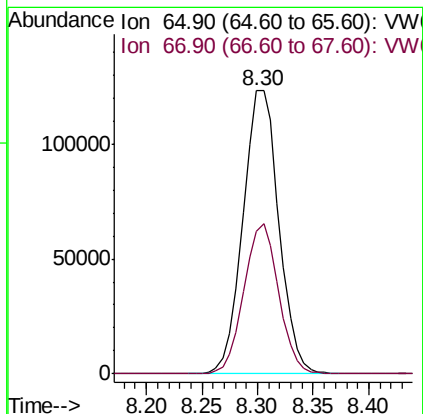
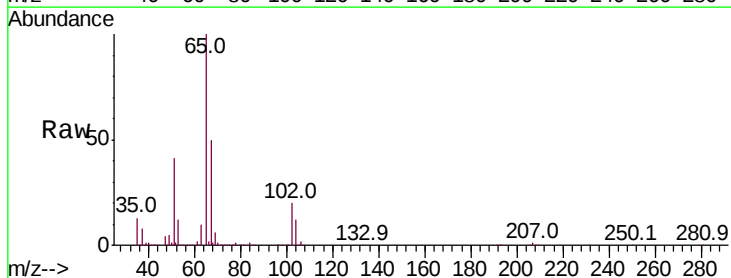
Acq: 07 Feb 2019 18:09

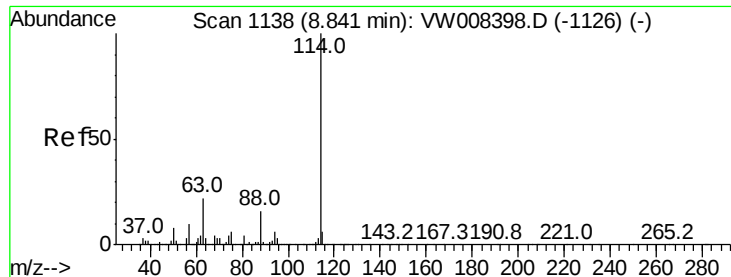
Tgt Ion: 65 Resp: 275861

Ion Ratio Lower Upper

65 100

67 51.7 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: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampled :

SB-06(13-14)

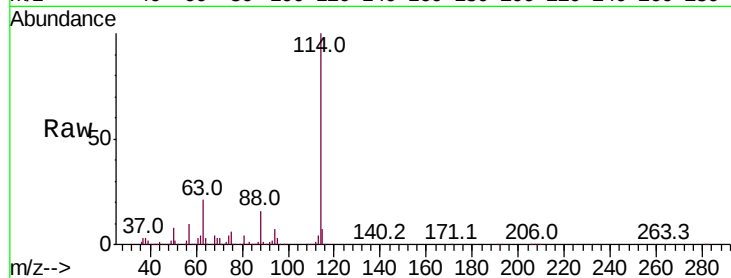
Tot Ion:114 Resp: 840921

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

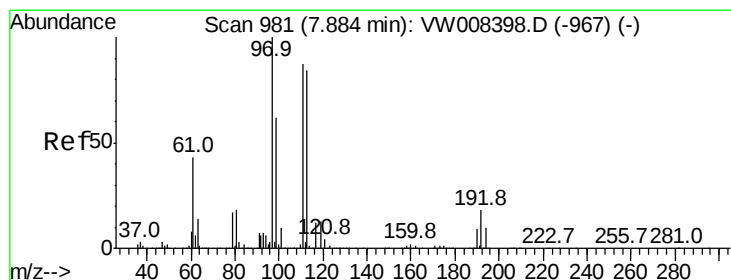
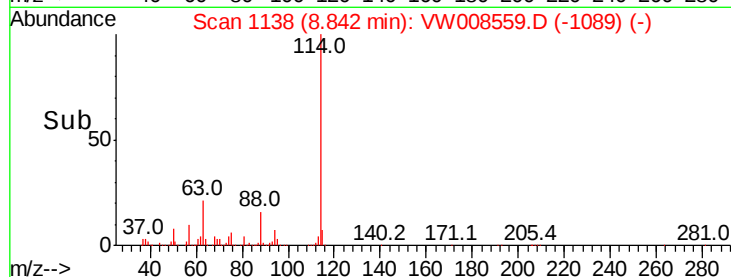
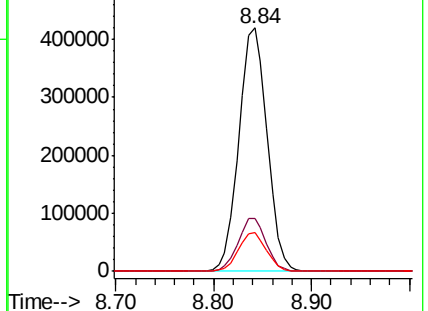
88 16.1 0.0 31.8



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: 51.566 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

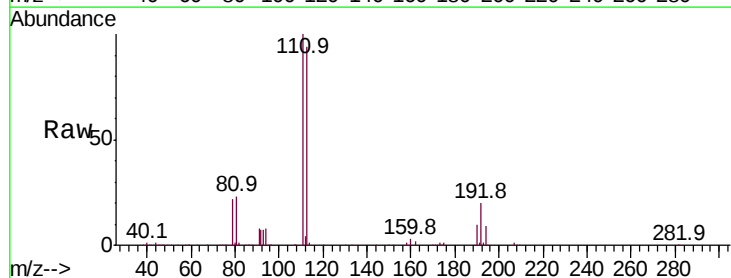
Tgt Ion:113 Resp: 253557

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

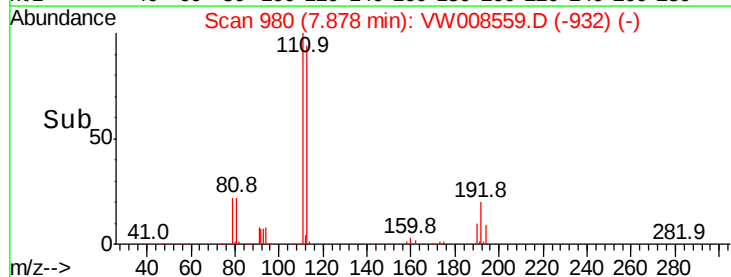
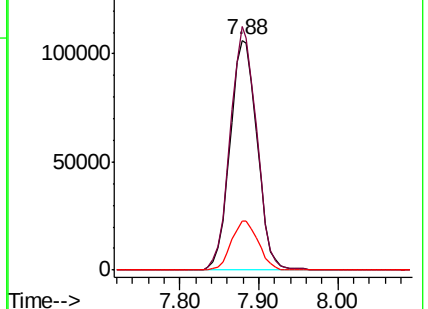
192 21.2 16.8 25.2

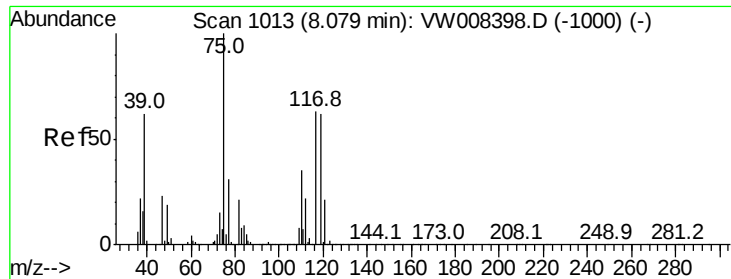


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

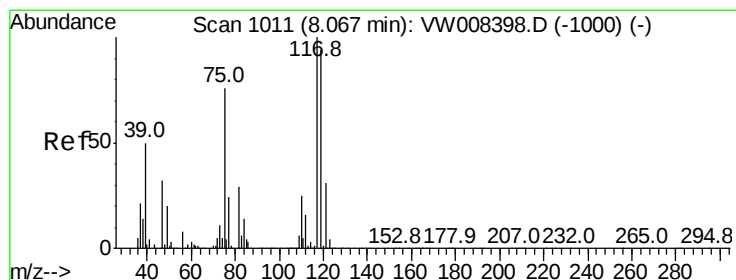
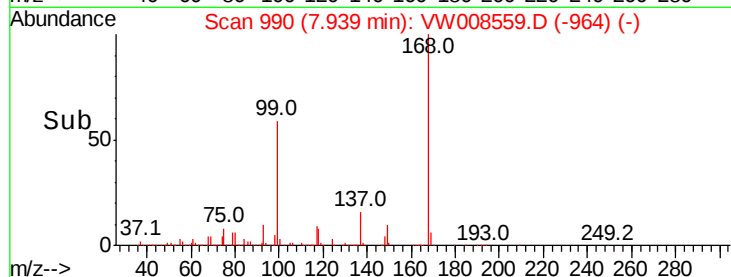
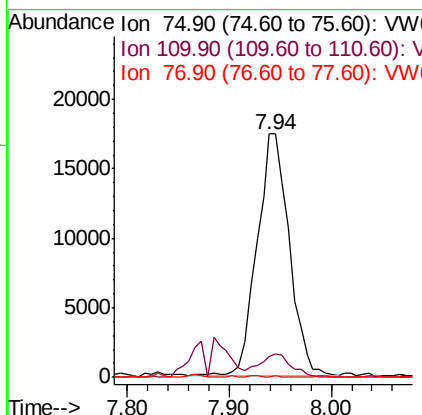
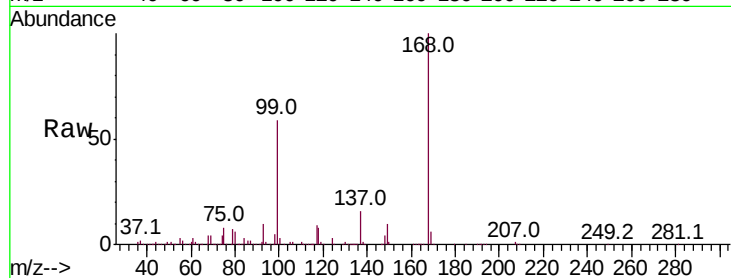




#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008559.D
 Acq: 07 Feb 2019 18:09

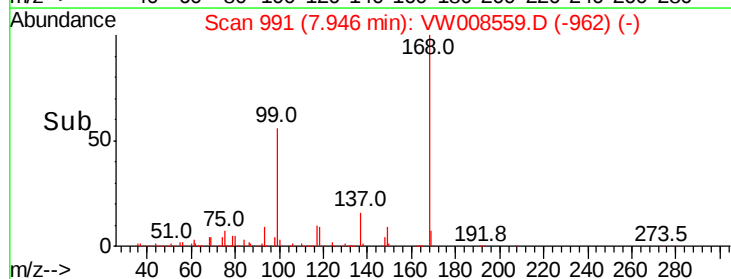
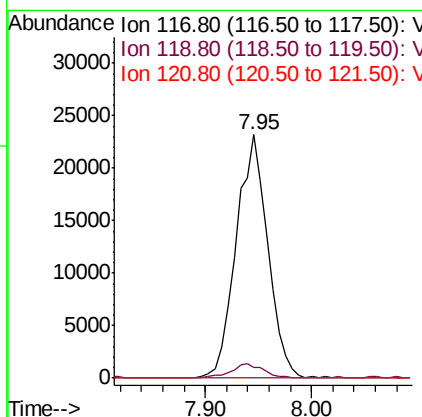
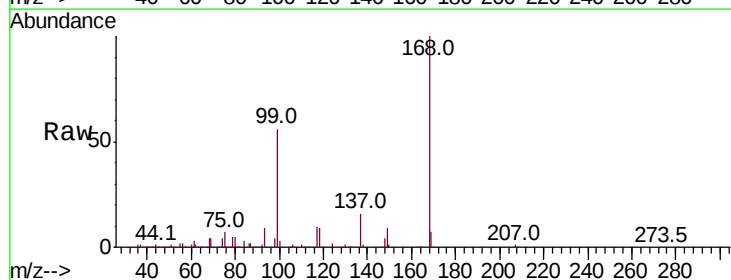
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-06(13-14)

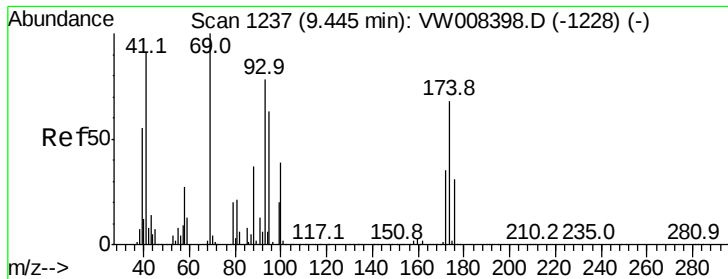
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.3	52.0#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.056 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008559.D
 Acq: 07 Feb 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.0	112.4#
121	0.0	24.9	37.3#

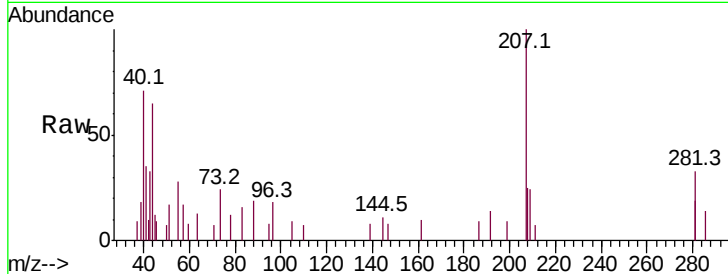




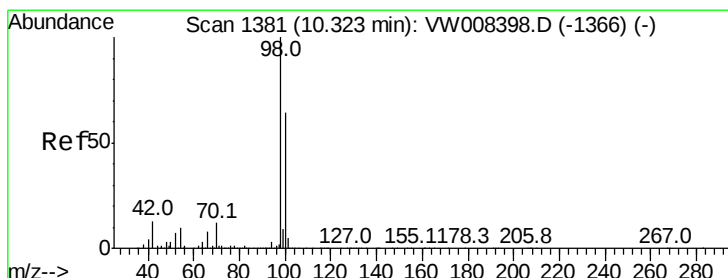
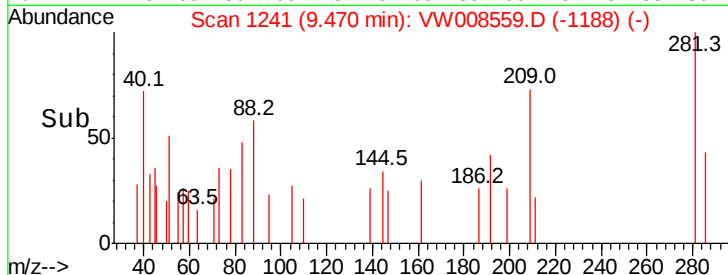
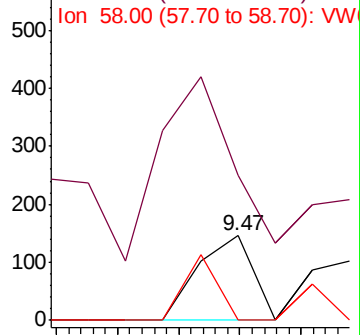
#49
1,4-Dioxane
Concen: 1.905 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Instrument :
MSVOA_W
ClientSampled :
SB-06(13-14)

Tot Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 305.5 29.0 43.4#
58 45.1 56.4 84.6#

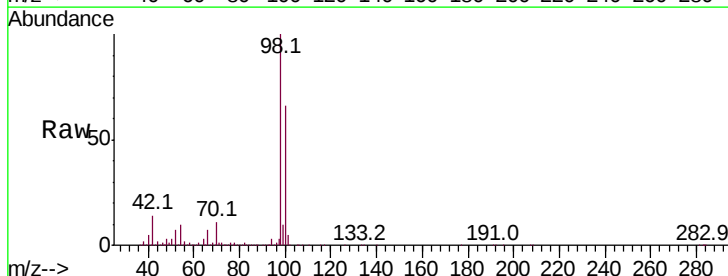


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

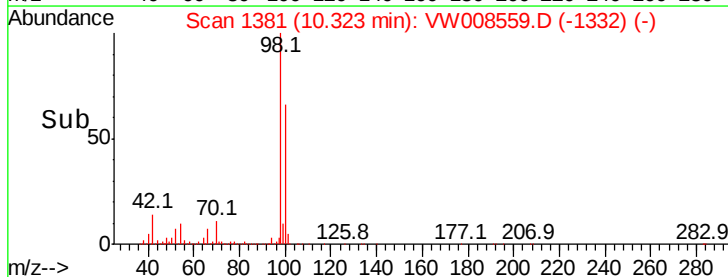
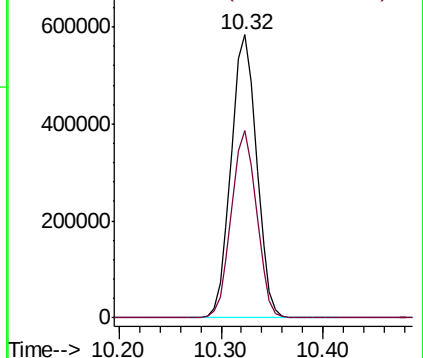


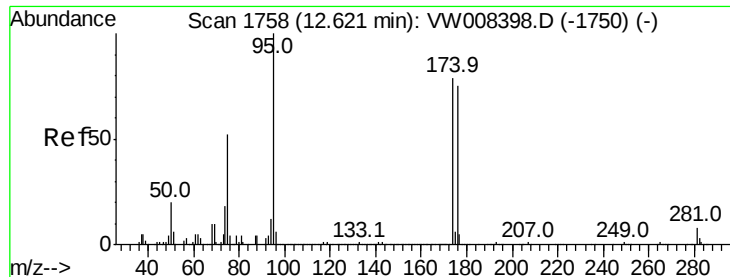
#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008559.D
Acq: 07 Feb 2019 18:09

Tgt Ion: 98 Resp: 1012500
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.350 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06(13-14)

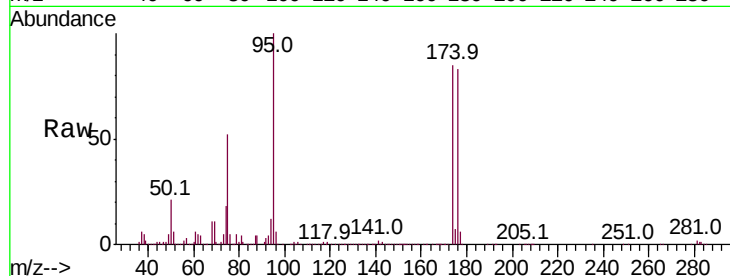
Tot Ion: 95 Resp: 381618

Ion Ratio Lower Upper

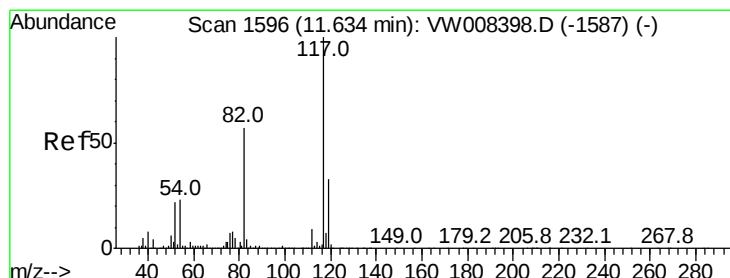
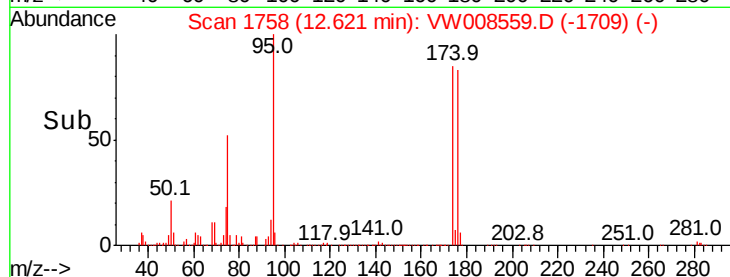
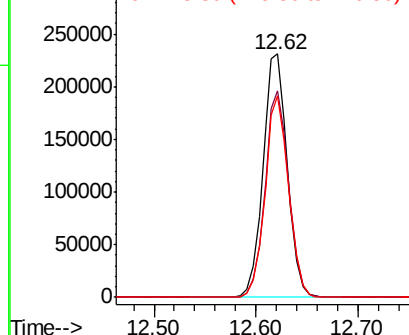
95 100

174 82.5 0.0 157.6

176 79.7 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

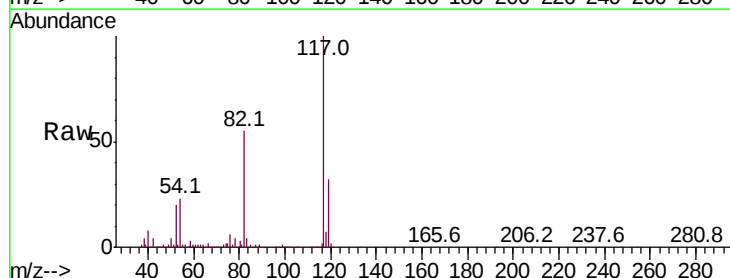
Tgt Ion: 117 Resp: 769911

Ion Ratio Lower Upper

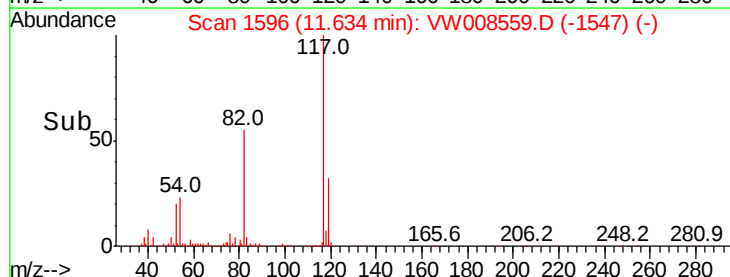
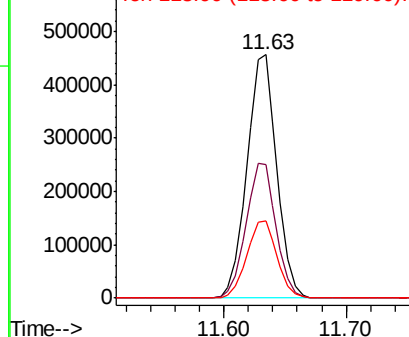
117 100

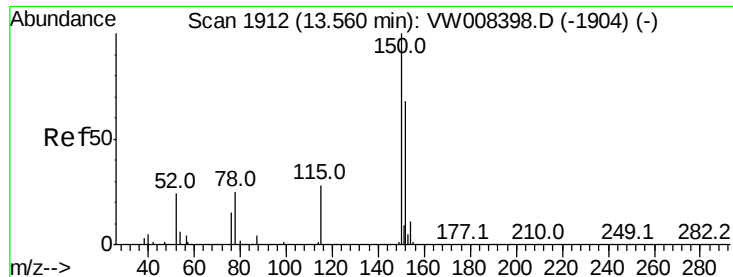
82 54.8 45.4 68.0

119 31.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06(13-14)

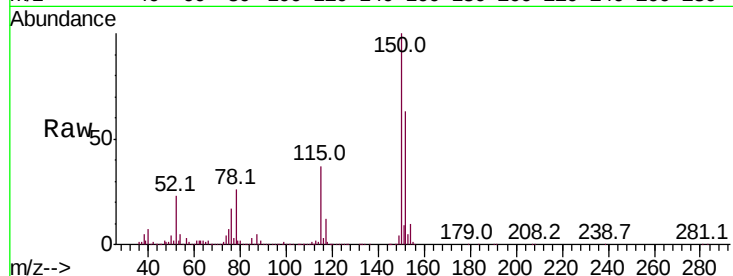
Tot Ion:152 Resp: 390127

Ion Ratio Lower Upper

152 100

115 58.8 29.9 89.7

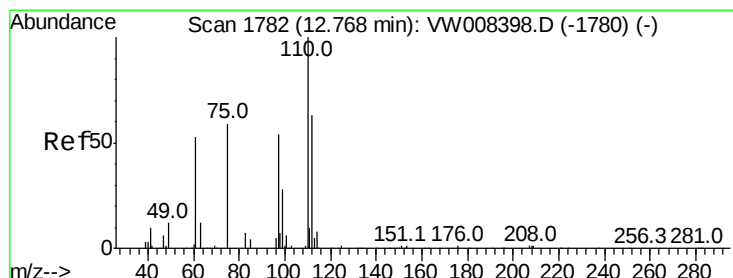
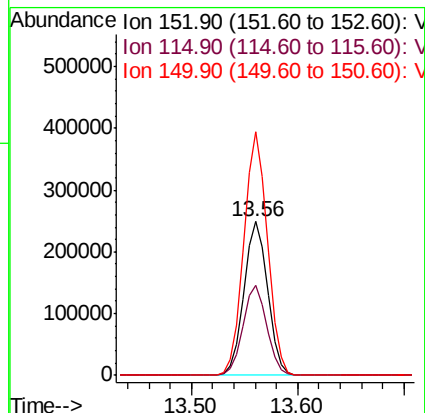
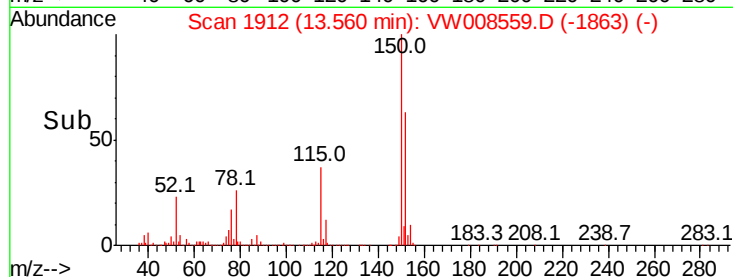
150 157.5 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 59.690 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008559.D

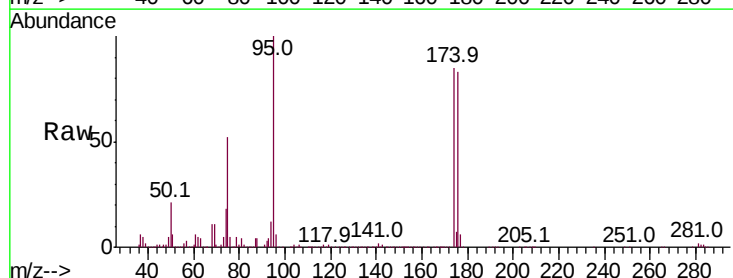
Acq: 07 Feb 2019 18:09

Tgt Ion: 75 Resp: 202460

Ion Ratio Lower Upper

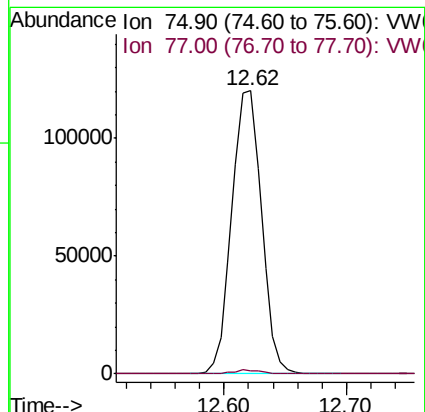
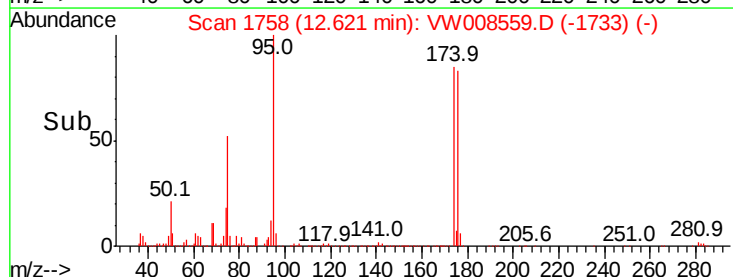
75 100

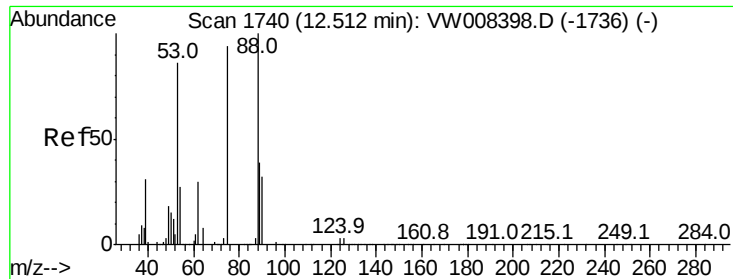
77 1.4 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 117.892 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008559.D

Acq: 07 Feb 2019 18:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06(13-14)

Tot Ion: 75 Resp: 202460

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 35.4 53.0#

