

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008477.D
 Acq On : 01 Feb 2019 13:11
 Operator : SY/VA
 Sample : K1308-01
 Misc : 6.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-17(34.2-34.8)

Quant Time: Feb 02 00:41:11 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	373647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	601659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	542449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	274927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	191255	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.88	113	188311	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.32	98	705308	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	264959	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

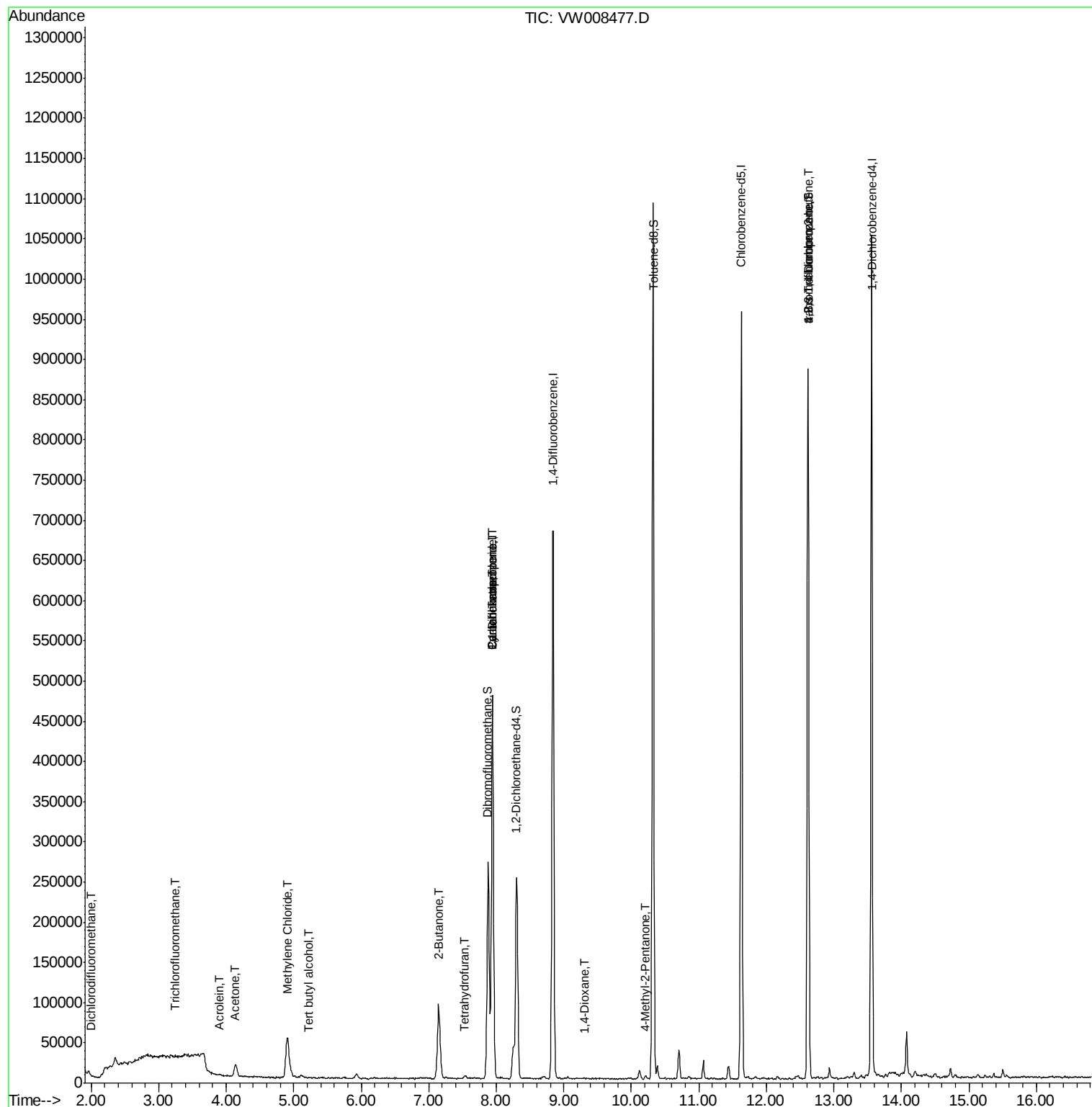
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	155	3.320	ug/l #	41
7) Trichlorofluoromethane	3.25	101	652	4.900	ug/l #	17
11) Tert butyl alcohol	5.22	59	332	1.123	ug/l #	1
13) Acrolein	3.90	56	154	4.766	ug/l #	53
16) Acetone	4.14	43	30261	36.710	ug/l	99
20) Methylene Chloride	4.92	84	43979	11.575	ug/l	87
25) 2-Butanone	7.15	43	6699	5.851	ug/l #	71
29) Tetrahydrofuran	7.54	42	3377	4.654	ug/l	94
31) Cyclohexane	7.95	56	8586	1.192	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	27393	4.820	ug/l #	42
38) Carbon Tetrachloride	7.95	117	35712	6.244	ug/l #	17
49) 1,4-Dioxane	9.30	88	87	2.545	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2724	1.056	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	132807	55.561	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	132807	109.737	ug/l #	12

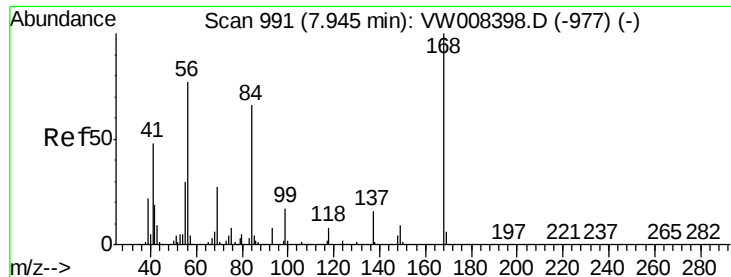
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

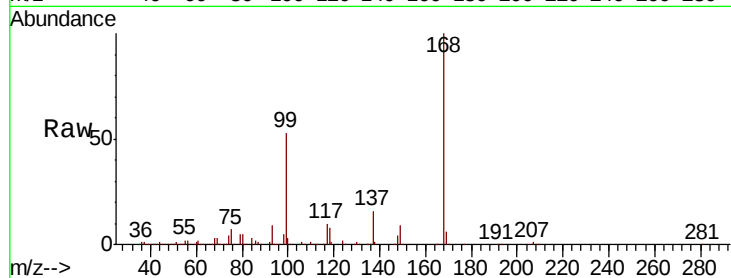
SB-17(34.2-34.8)

Tgt Ion:168 Resp: 373647

Ion Ratio Lower Upper

168 100

99 53.5 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

150000

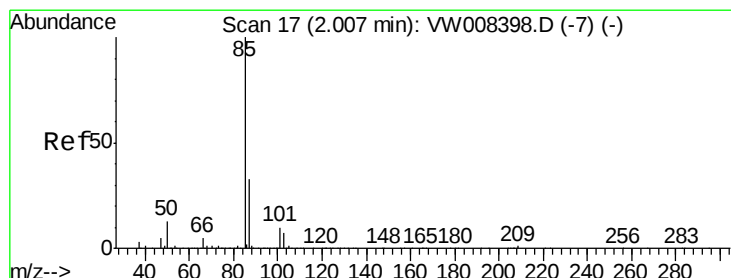
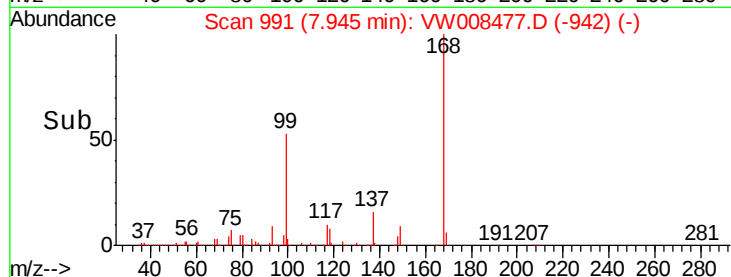
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 3.320 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008477.D

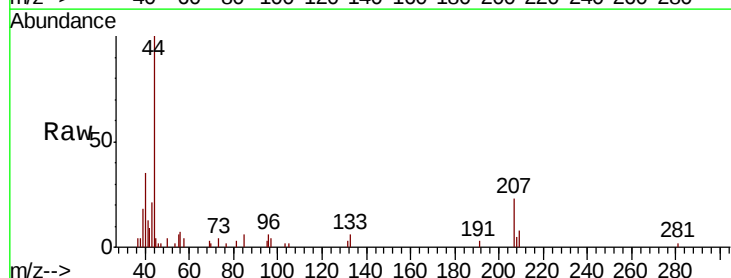
Acq: 01 Feb 2019 13:11

Tgt Ion: 85 Resp: 155

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

2.01

150

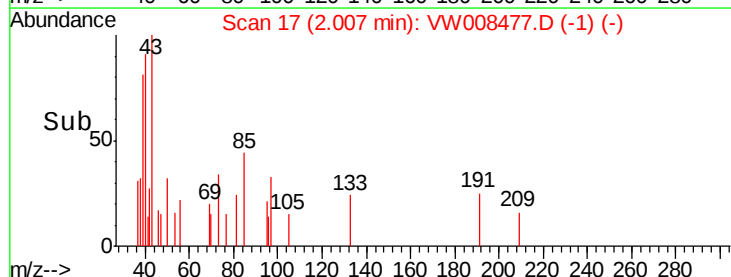
100

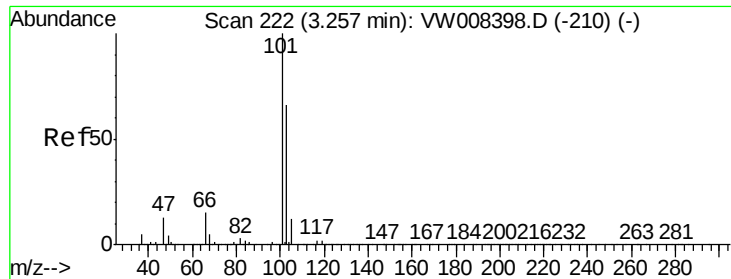
50

0

Time-->

1.98 2.00 2.02



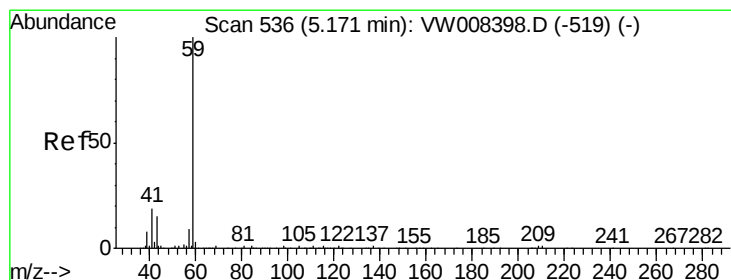
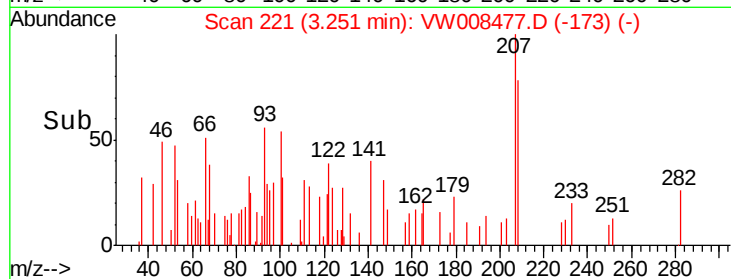
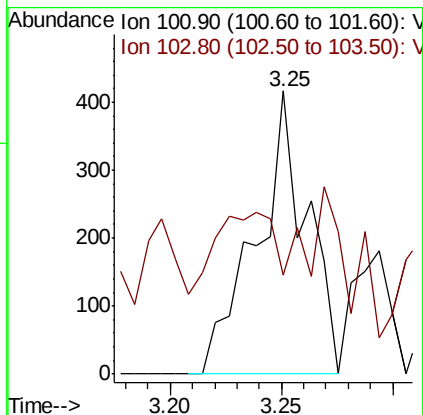
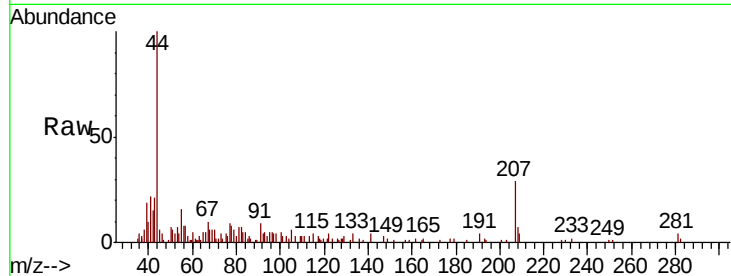


#7

Trichlorofluoromethane
Concen: 4.900 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
SB-17(34.2-34.8)

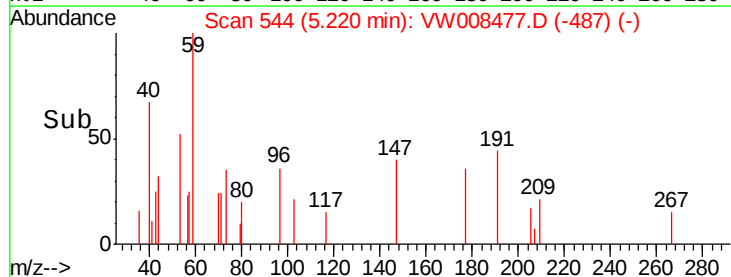
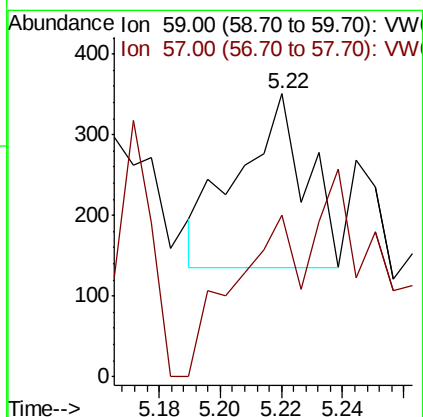
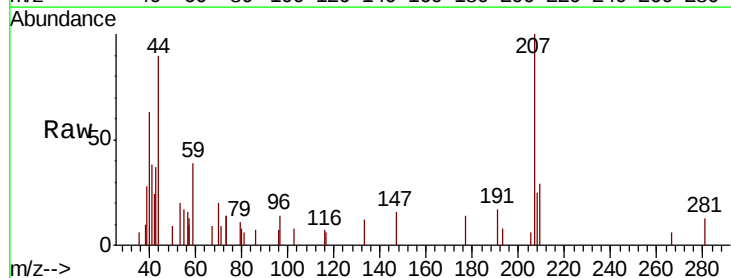
Tgt Ion: 101 Resp: 652
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

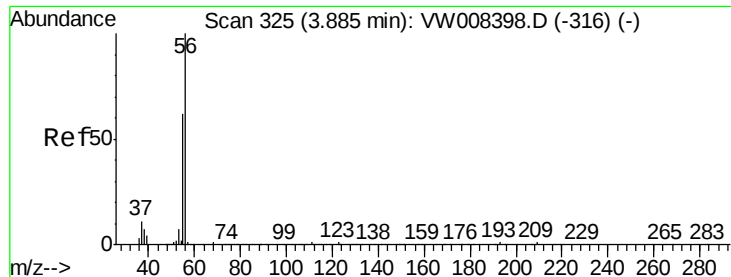


#11

Tert butyl alcohol
Concen: 1.123 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.05 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 88.6 9.3 13.9#





#13

Acrolein

Concen: 4.766 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

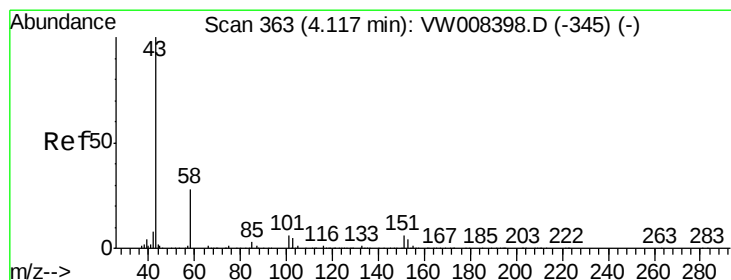
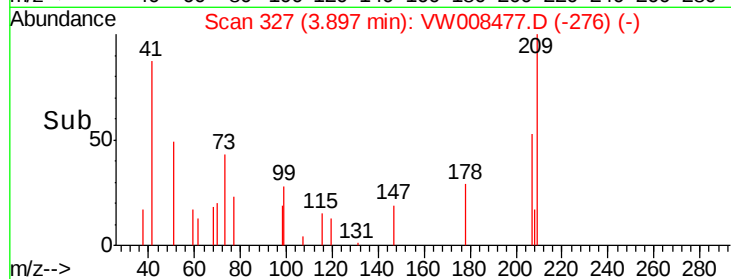
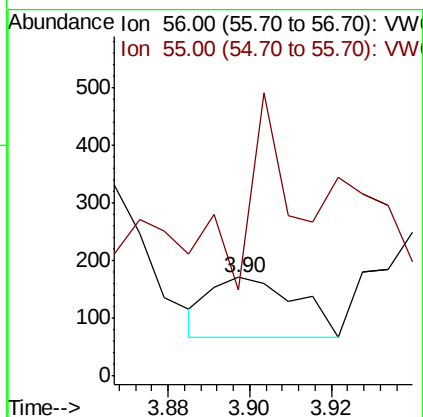
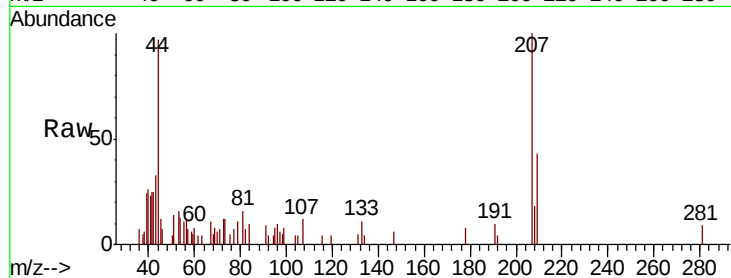
SB-17(34.2-34.8)

Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 109.7 56.7 85.1#



#16

Acetone

Concen: 36.710 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008477.D

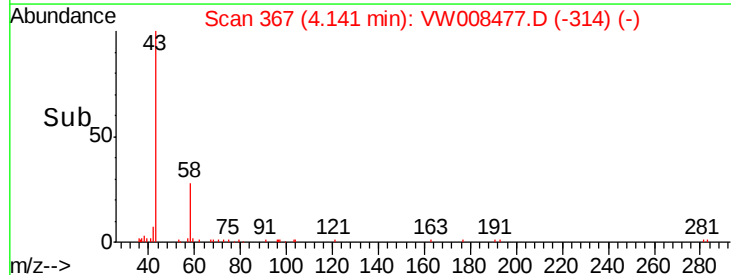
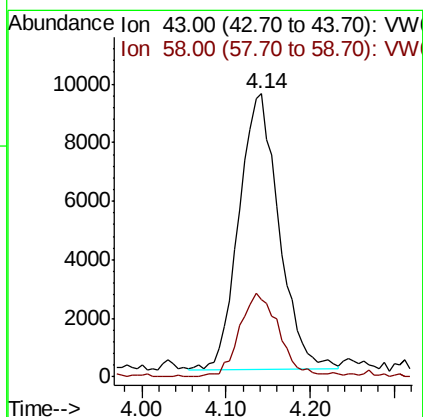
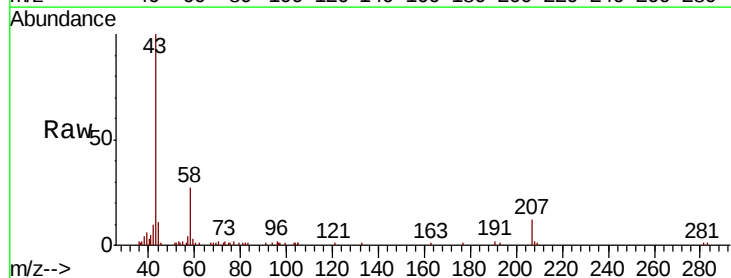
Acq: 01 Feb 2019 13:11

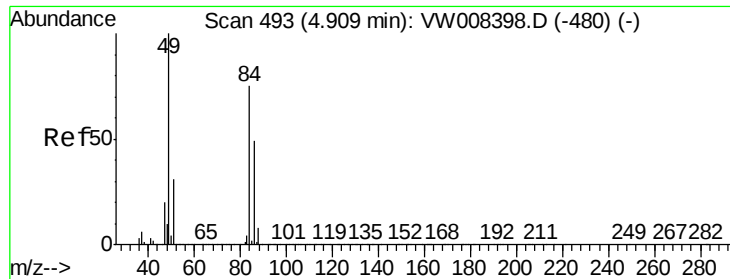
Tgt Ion: 43 Resp: 30261

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0

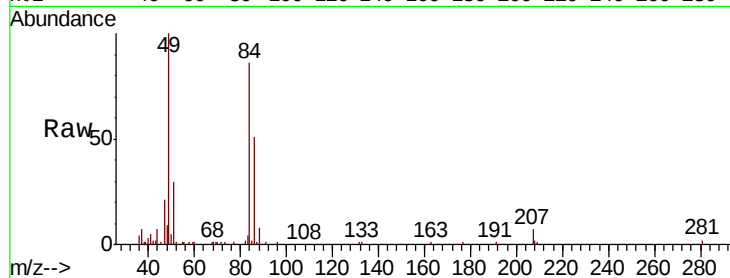




#20
Methylene Chloride
Concen: 11.575 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

Instrument :
MSVOA_W
ClientSampled :
SB-17(34.2-34.8)

Tgt Ion:	84	Resp:	43979
Ion	Ratio	Lower	Upper
84	100		
49	115.7	106.8	160.2
51	33.7	32.9	49.3
86	58.8	52.2	78.2



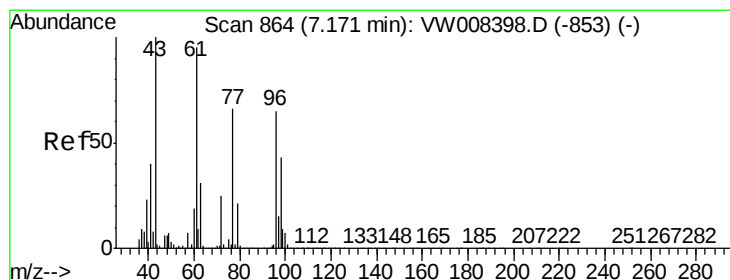
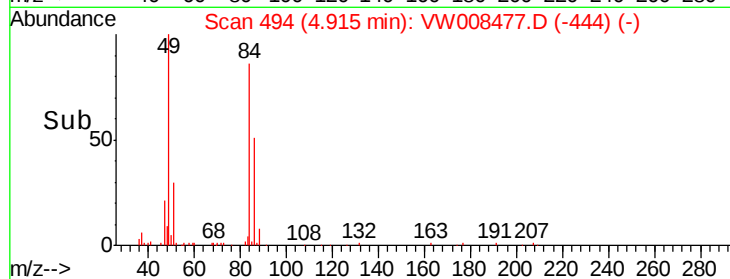
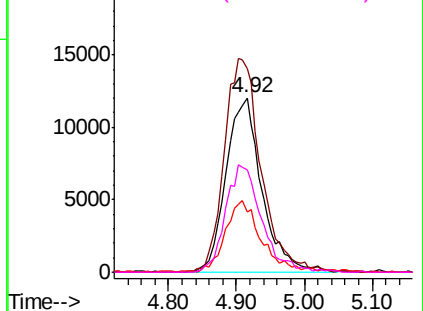
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

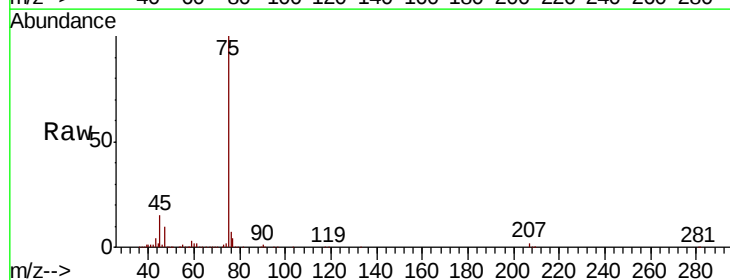
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 5.851 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

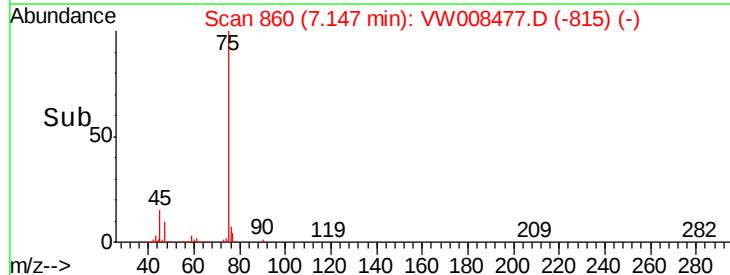
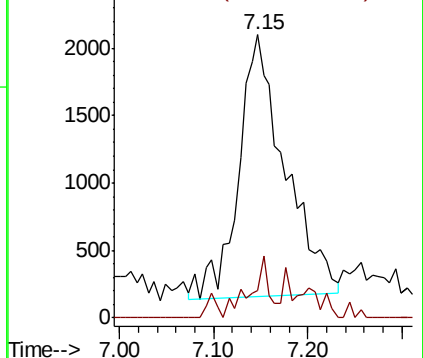
Tgt Ion:	43	Resp:	6699
Ion	Ratio	Lower	Upper
43	100		
72	10.8	20.1	30.1#

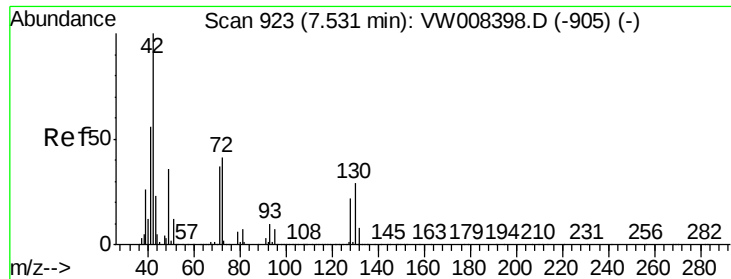


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

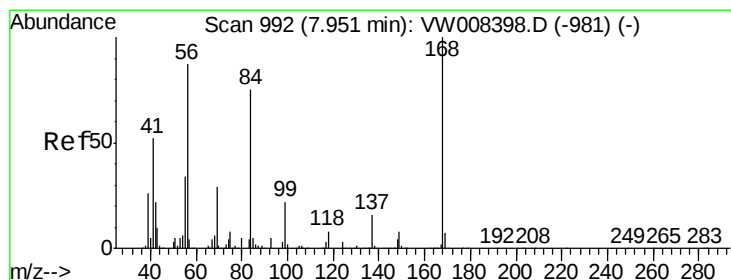
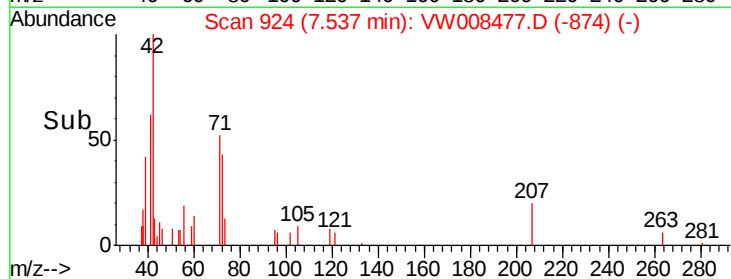
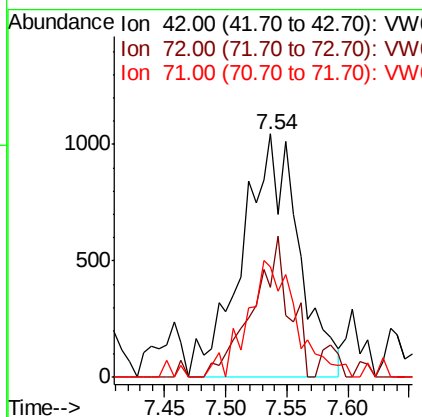
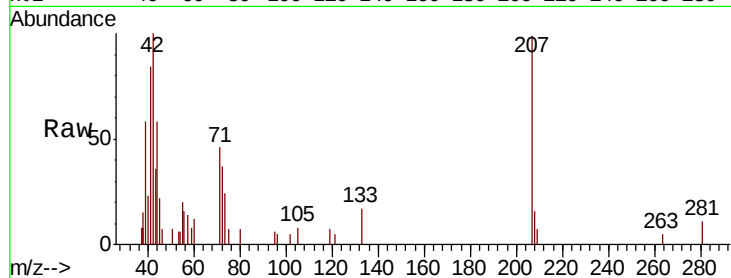




#29
Tetrahydrofuran
Concen: 4.654 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

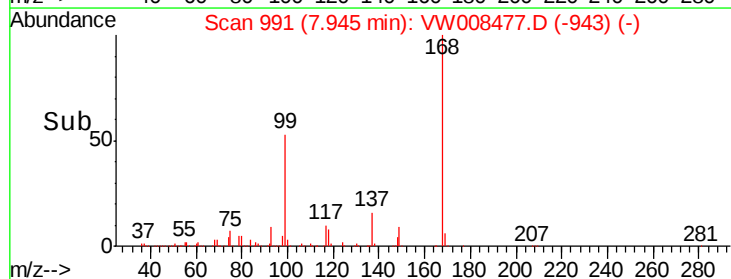
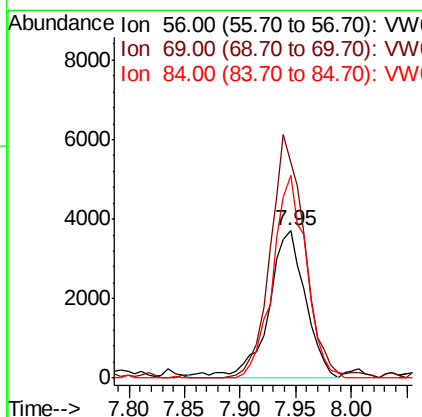
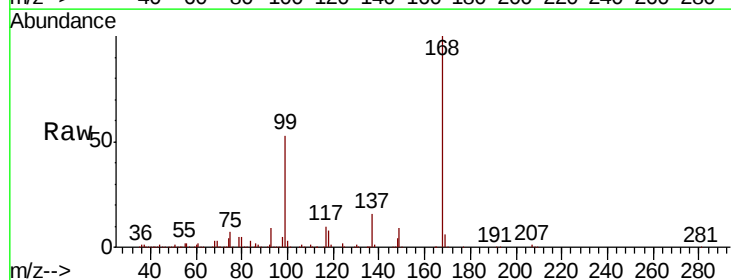
Instrument :
MSVOA_W
ClientSampleId :
SB-17(34.2-34.8)

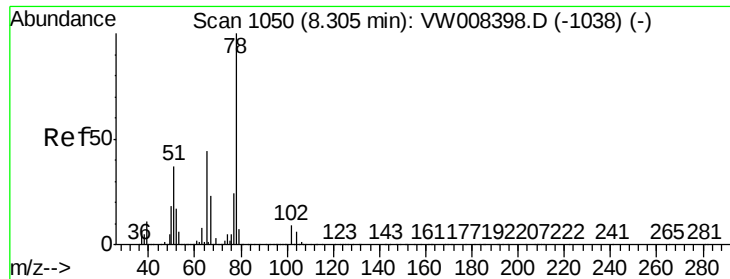
Tgt Ion: 42 Resp: 3377
Ion Ratio Lower Upper
42 100
72 37.3 31.9 47.9
71 41.5 29.9 44.9



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008477.D
Acq: 01 Feb 2019 13:11

Tgt Ion: 56 Resp: 8586
Ion Ratio Lower Upper
56 100
69 146.1 26.4 39.6#
84 137.8 69.1 103.7#

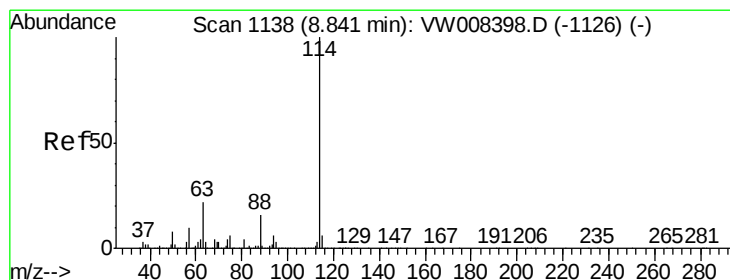
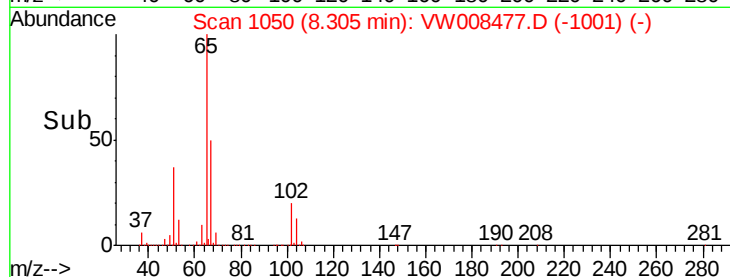
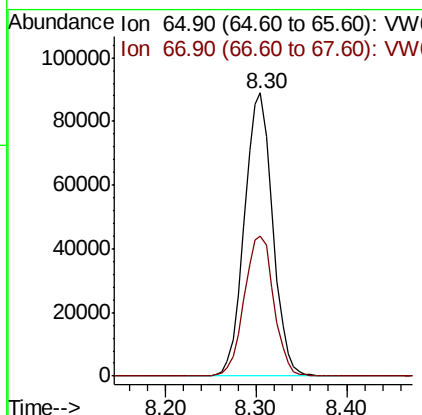
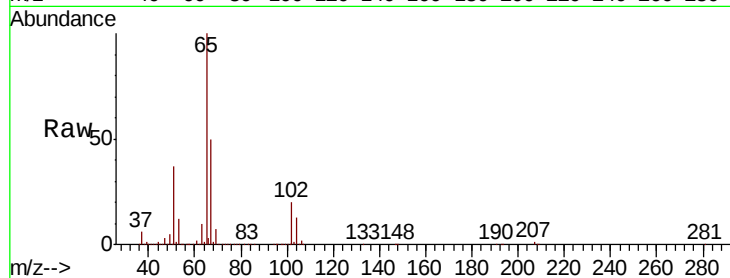




#33
 1,2-Dichloroethane-d4
 Concen: 52.103 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008477.D
 Acq: 01 Feb 2019 13:11

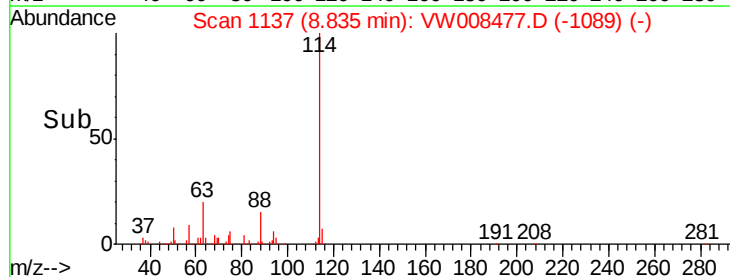
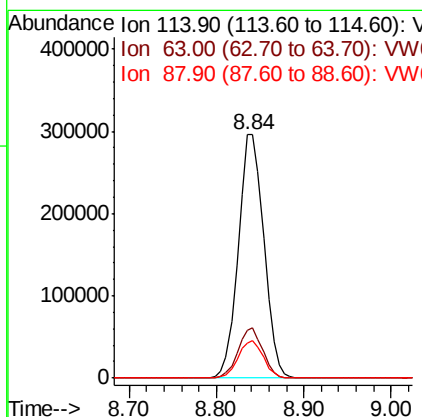
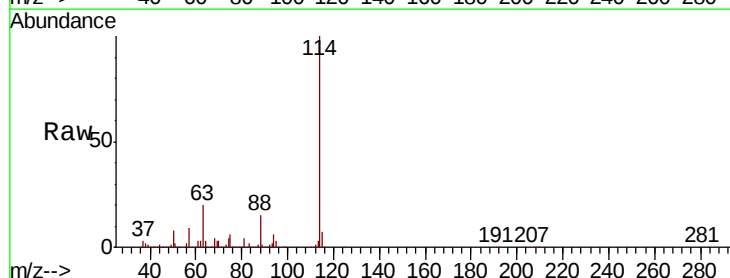
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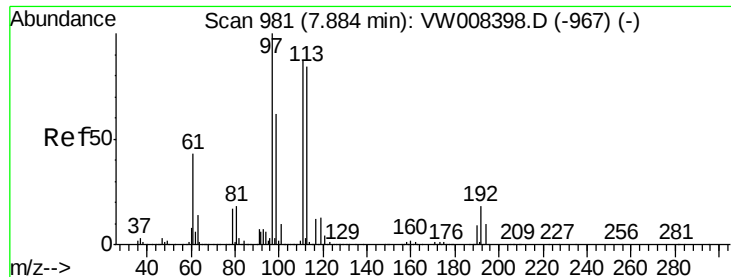
Tgt Ion: 65 Resp: 191255
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008477.D
 Acq: 01 Feb 2019 13:11

Tgt Ion: 114 Resp: 601659
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 14.6 0.0 31.8

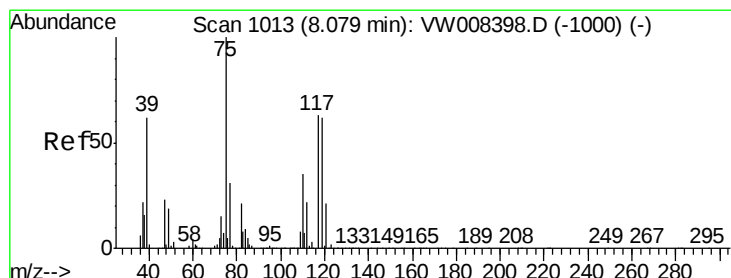
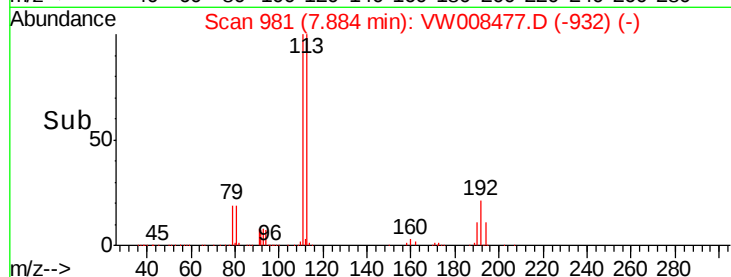
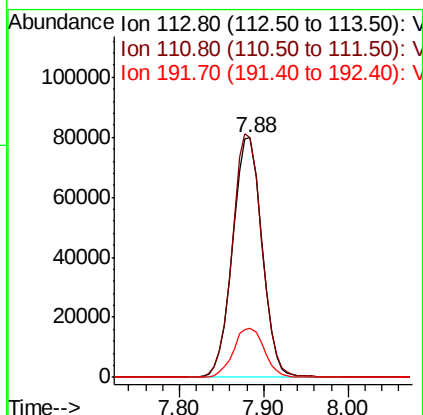
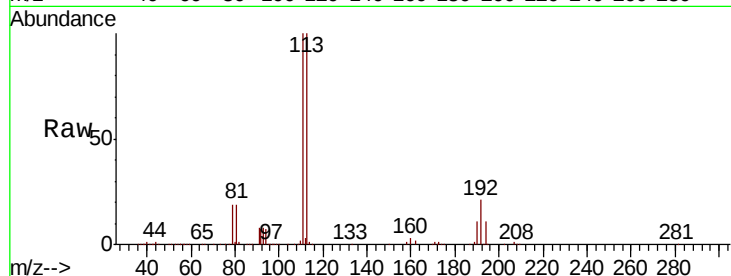




#35
 Dibromofluoromethane
 Concen: 53.526 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008477.D
 Acq: 01 Feb 2019 13:11

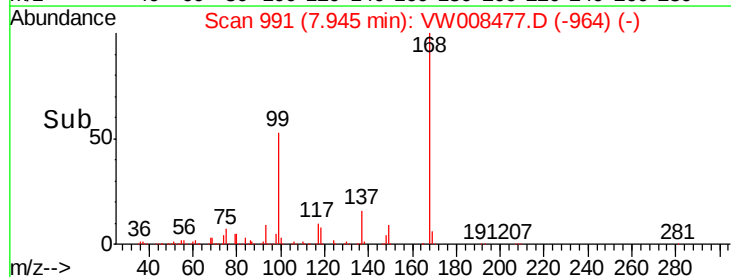
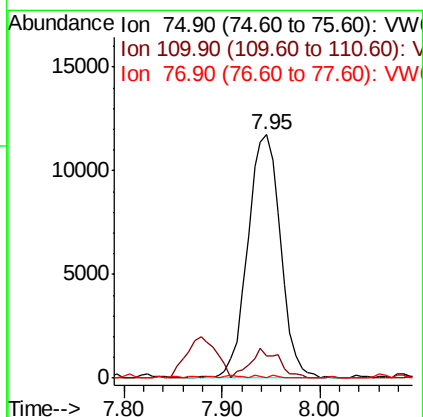
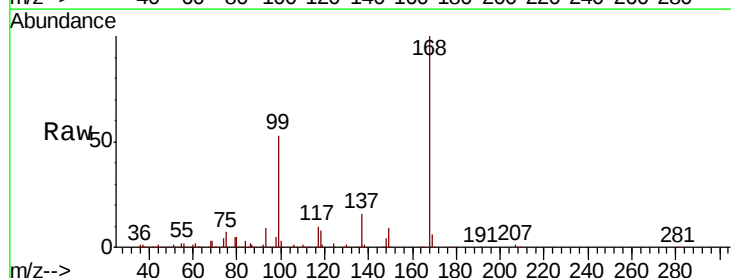
Instrument :
 MSVOA_W
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 SB-17(34.2-34.8)

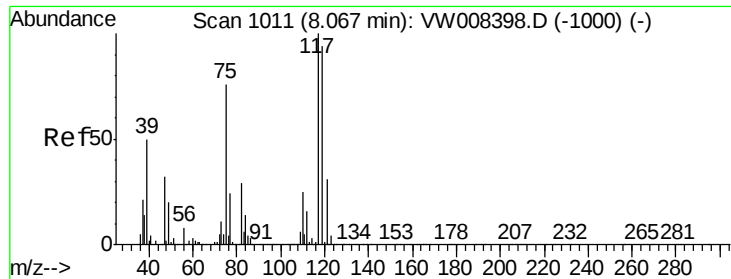
Tgt Ion: 113 Resp: 188311
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.0 121.4
 192 21.4 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008477.D
 Acq: 01 Feb 2019 13:11

Tgt Ion: 75 Resp: 27393
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 52.0#
 77 0.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

SB-17(34.2-34.8)

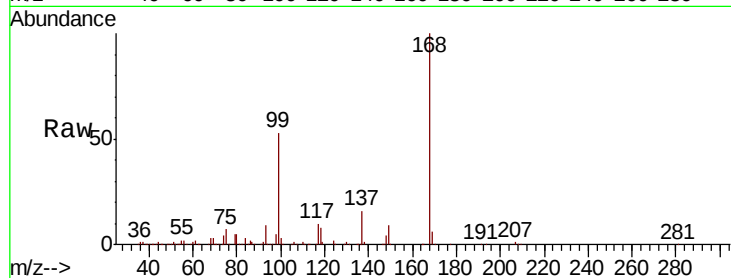
Tgt Ion:117 Resp: 35712

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.4#

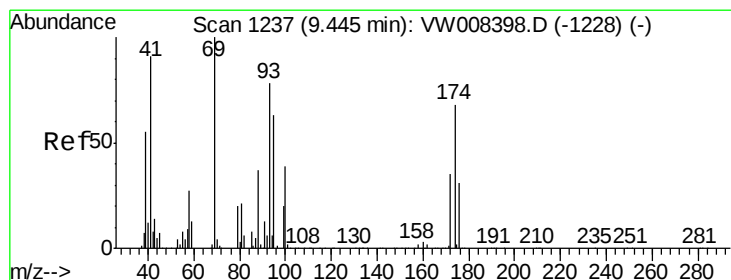
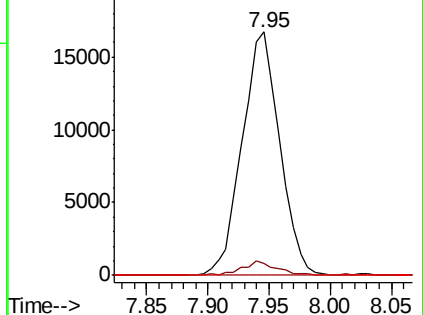
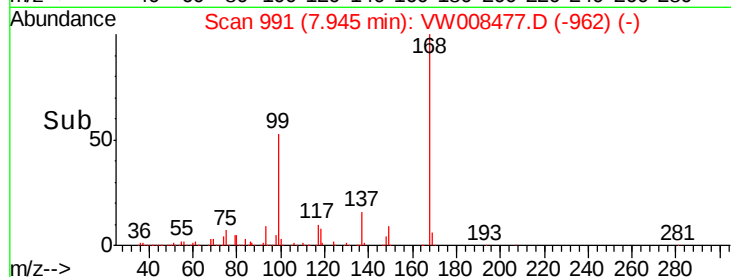
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.545 ug/l

RT: 9.30 min Scan# 1214

Delta R.T. -0.14 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

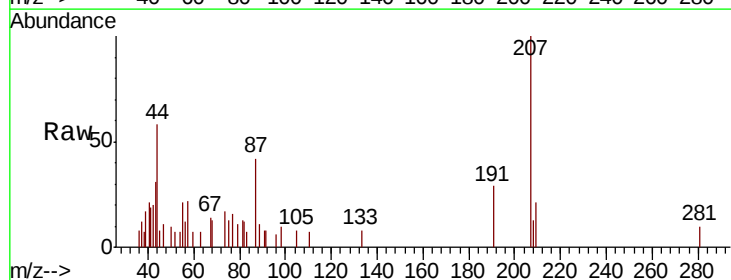
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 235.6 29.0 43.4#

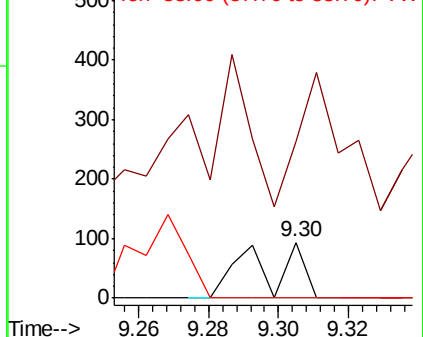
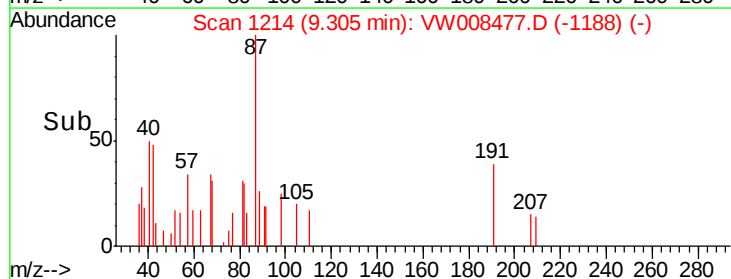
58 0.0 56.4 84.6#

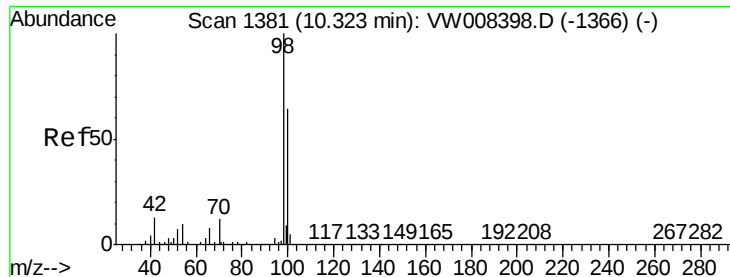


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.994 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

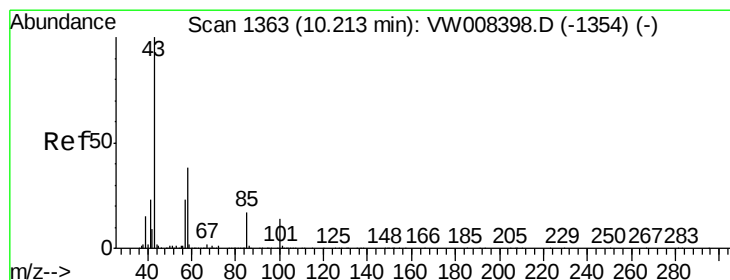
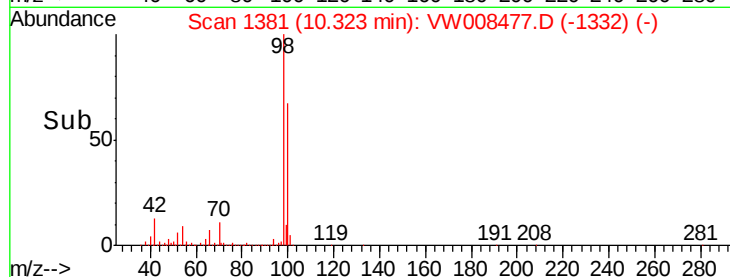
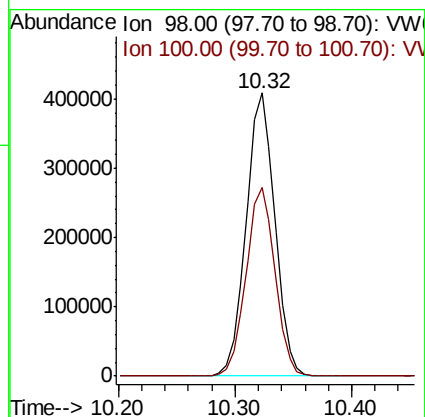
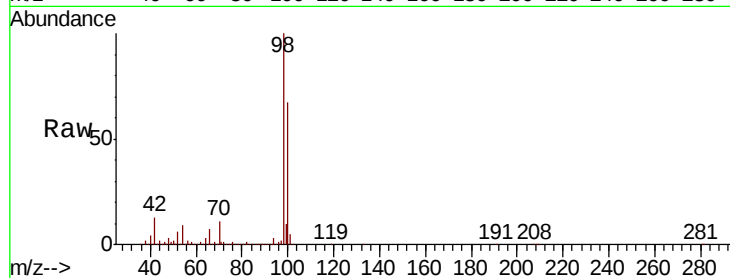
SB-17(34.2-34.8)

Tgt Ion: 98 Resp: 705308

Ion Ratio Lower Upper

98 100

100 66.9 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.056 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008477.D

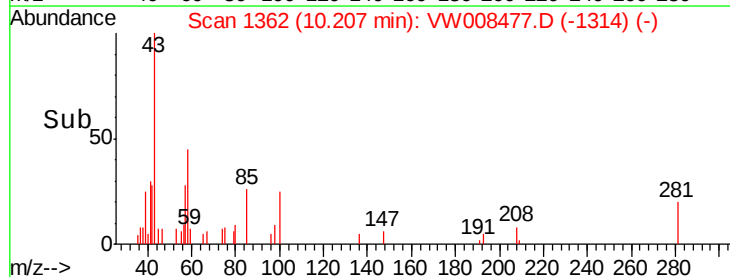
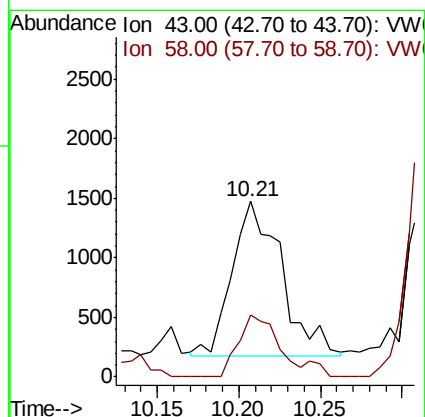
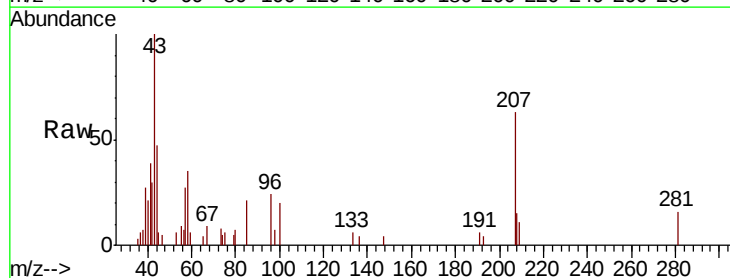
Acq: 01 Feb 2019 13:11

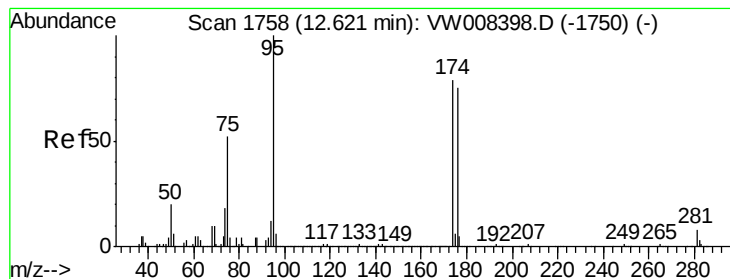
Tgt Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

58 35.4 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 48.860 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

SB-17(34.2-34.8)

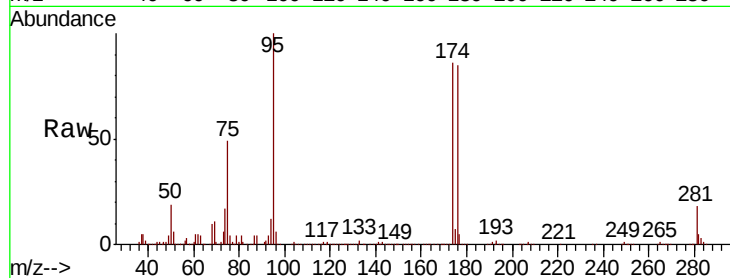
Tgt Ion: 95 Resp: 264959

Ion Ratio Lower Upper

95 100

174 83.8 0.0 157.6

176 82.1 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

12.62

200000

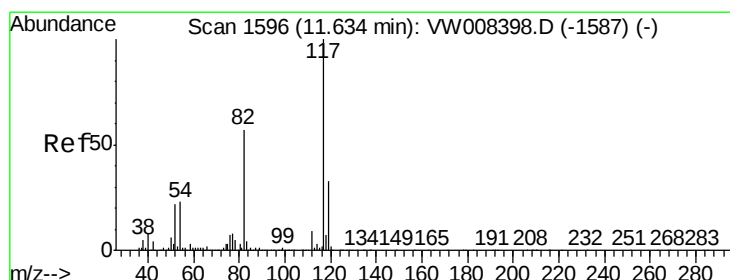
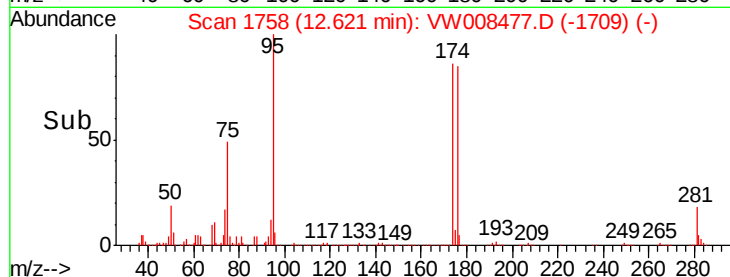
150000

100000

50000

0

Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

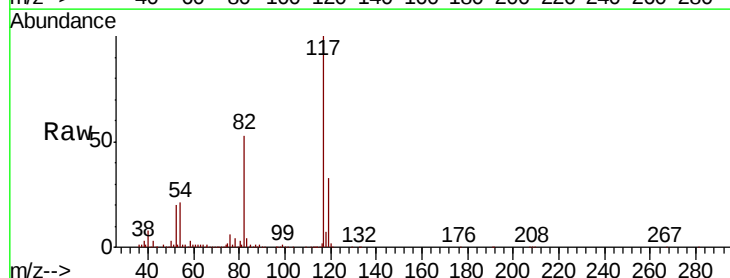
Tgt Ion: 117 Resp: 542449

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

119 32.6 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

11.63

400000

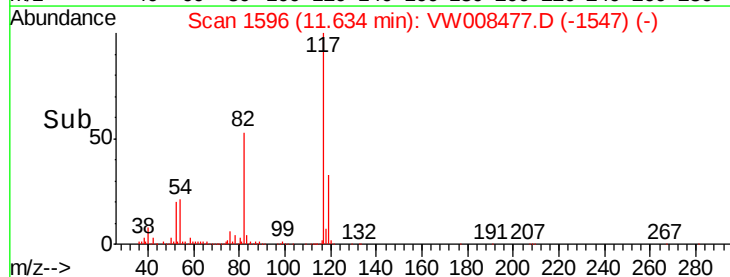
300000

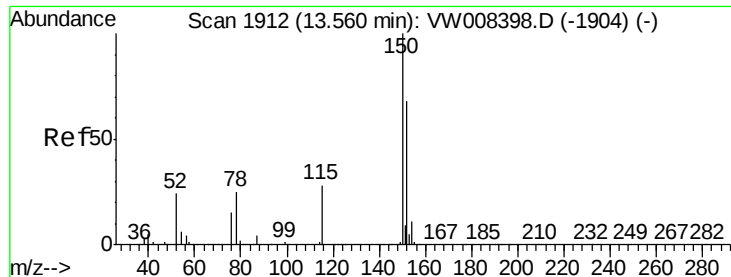
200000

100000

0

Time--> 11.50 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

SB-17(34.2-34.8)

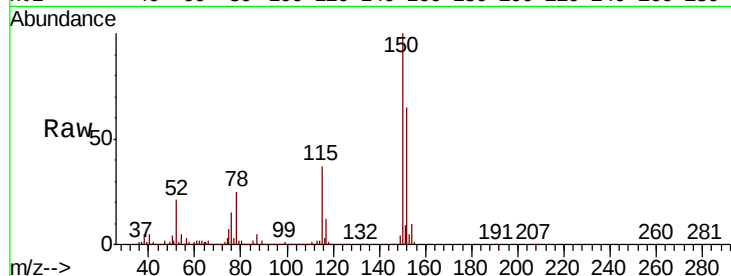
Tgt Ion: 152 Resp: 274927

Ion Ratio Lower Upper

152 100

115 56.9 29.9 89.7

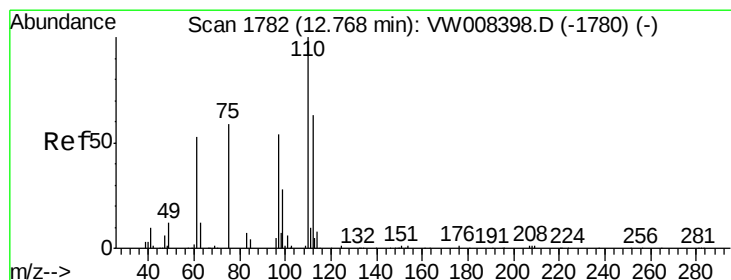
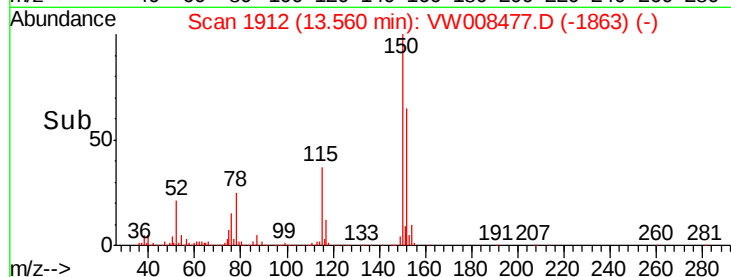
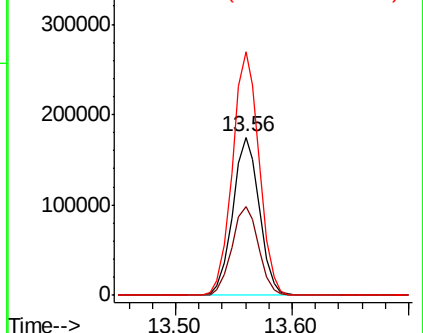
150 155.7 0.0 351.4



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: 55.561 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008477.D

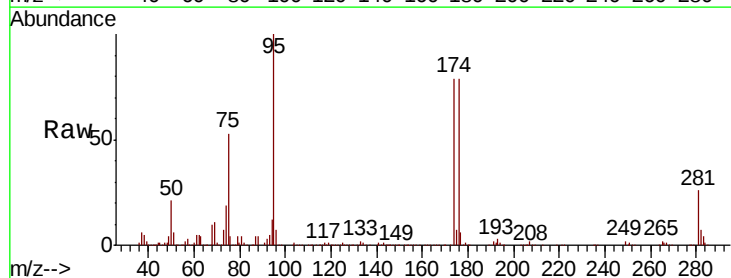
Acq: 01 Feb 2019 13:11

Tgt Ion: 75 Resp: 132807

Ion Ratio Lower Upper

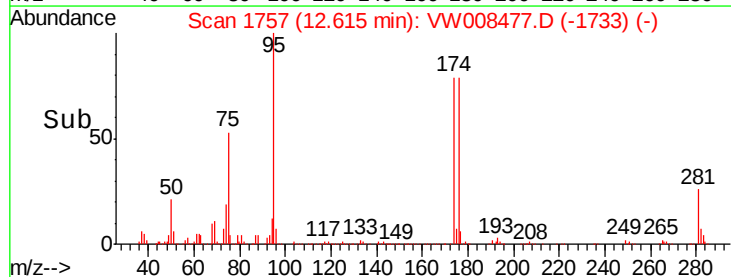
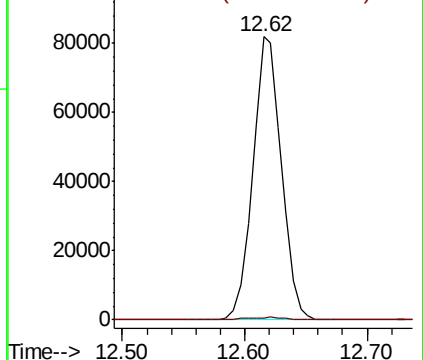
75 100

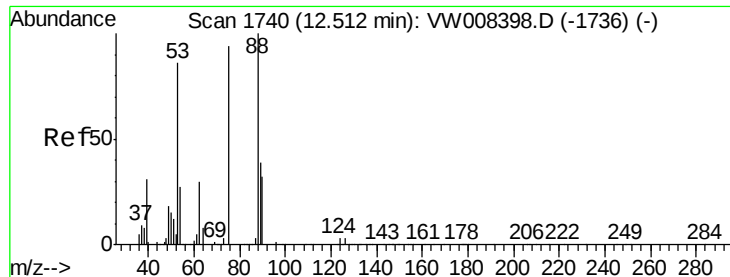
77 1.2 180.7 542.1#



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: 109.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008477.D

Acq: 01 Feb 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

SB-17(34.2-34.8)

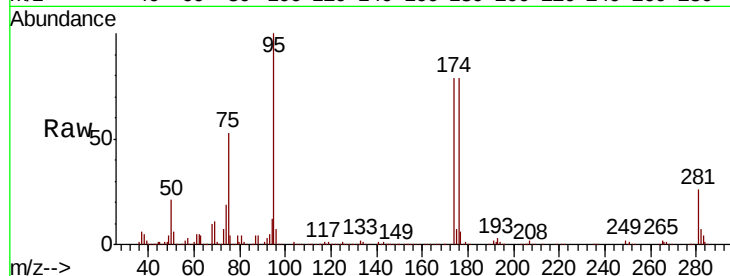
Tgt Ion: 75 Resp: 132807

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

