

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008560.D
 Acq On : 07 Feb 2019 18:36
 Operator : SY/VA
 Sample : K1390-12
 Misc : 5.56G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-07(0-2)

Quant Time: Feb 08 22:43:17 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	519136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	836375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	693199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	233033	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	293433	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
35) Dibromofluoromethane	7.88	113	264517	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
50) Toluene-d8	10.32	98	982496	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.62	95	292297	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	

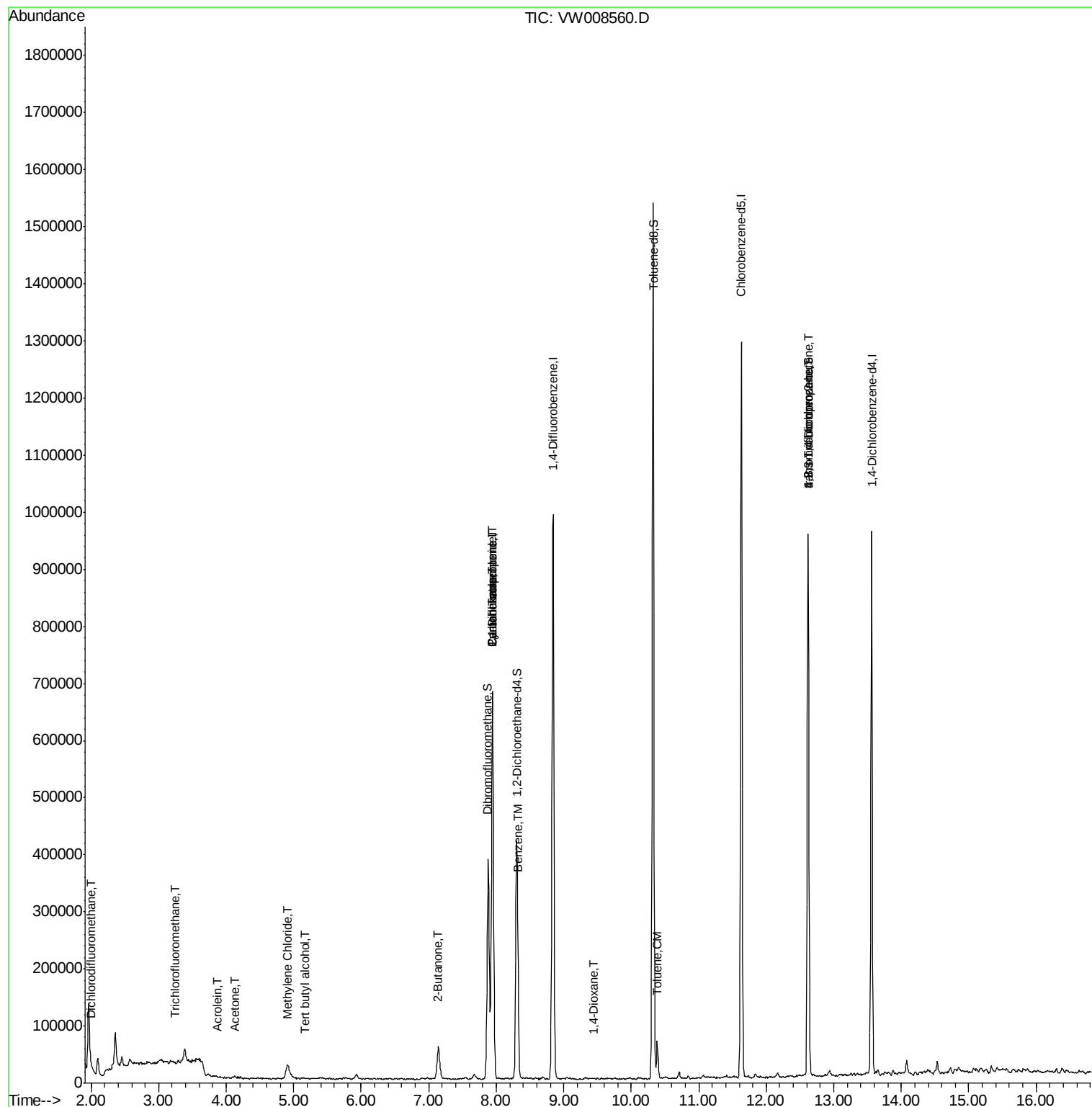
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	279	3.339	ug/l #	41
7) Trichlorofluoromethane	3.25	101	127	4.749	ug/l #	61
11) Tert butyl alcohol	5.17	59	2217	5.399	ug/l #	63
13) Acrolein	3.87	56	114	4.495	ug/l #	1
16) Acetone	4.13	43	5468	4.774	ug/l #	78
20) Methylene Chloride	4.90	84	21223	4.021	ug/l	92
25) 2-Butanone	7.14	43	4903	3.082	ug/l #	77
31) Cyclohexane	7.95	56	11628	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	39879	5.048	ug/l #	50
38) Carbon Tetrachloride	7.95	117	49902	6.277	ug/l #	17
40) Benzene	8.32	78	48978	2.234	ug/l	100
49) 1,4-Dioxane	9.44	88	66	1.389	ug/l #	1
52) Toluene	10.39	92	26334	1.820	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	156759	77.371	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	156759	152.815	ug/l #	12

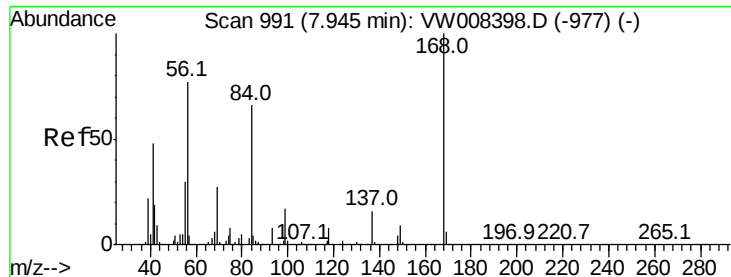
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

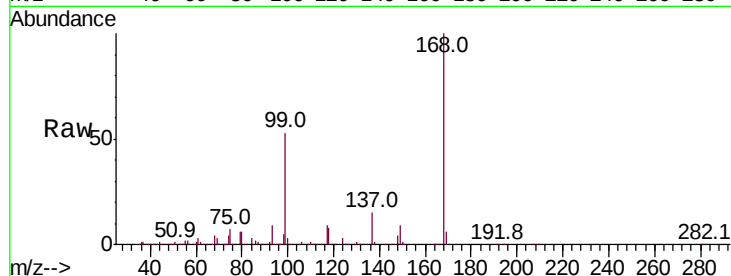
SB-07(0-2)

Tot Ion:168 Resp: 519136

Ion Ratio Lower Upper

168 100

99 53.2 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

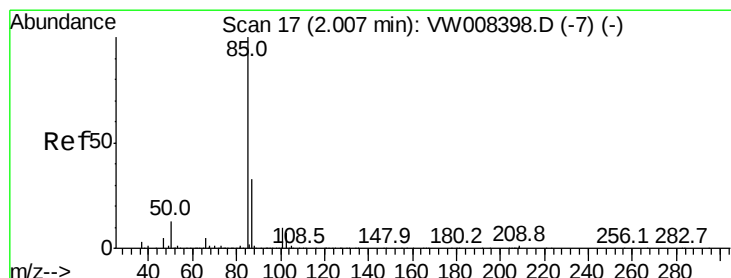
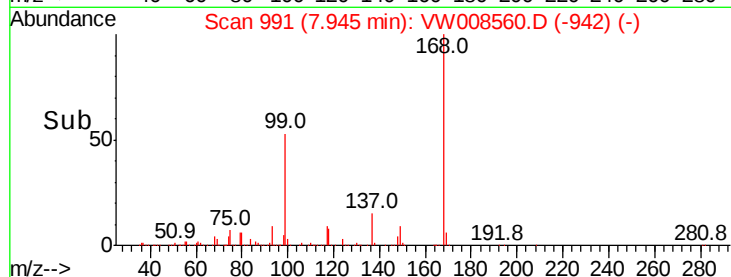
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.339 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008560.D

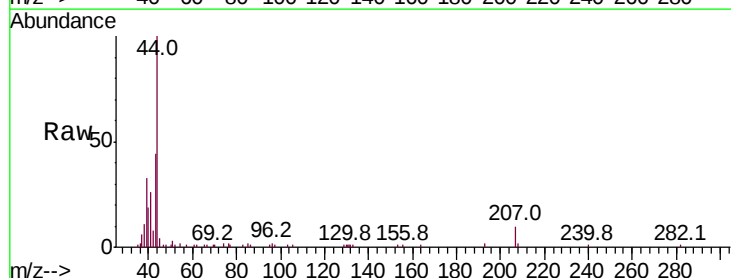
Acq: 07 Feb 2019 18:36

Tgt Ion: 85 Resp: 279

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

250

200

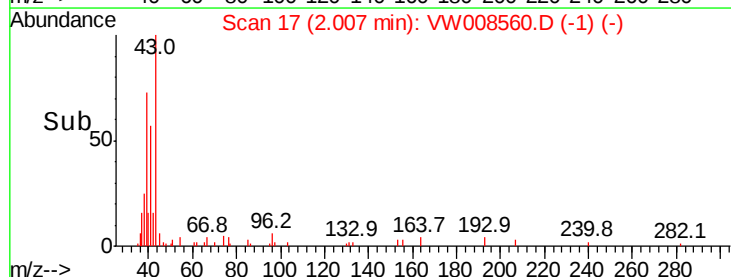
150

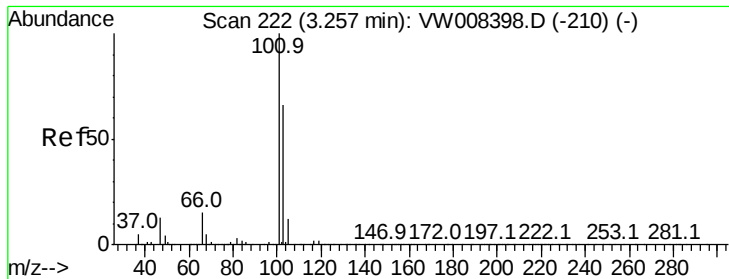
100

50

0

Time--> 1.98 2.00 2.02 2.04



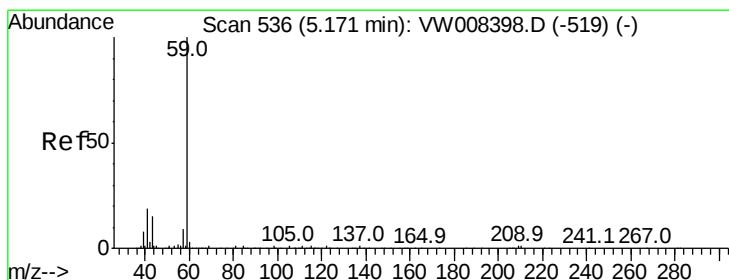
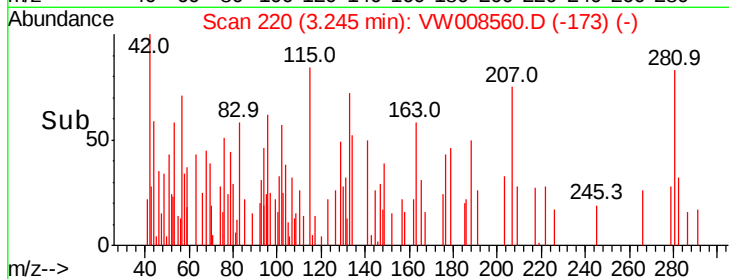
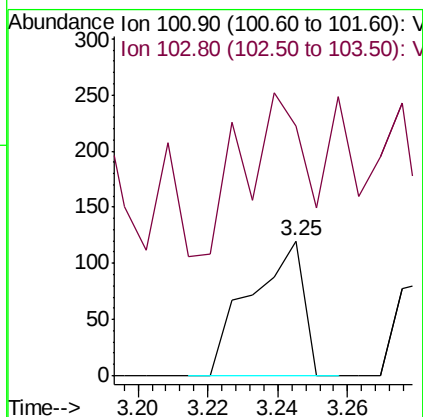
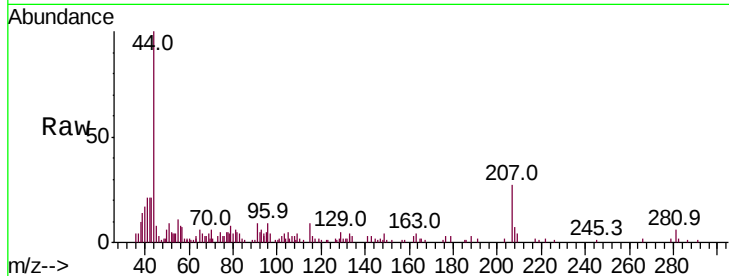


#7

Trichlorofluoromethane
 Concen: 4.749 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008560.D
 Acq: 07 Feb 2019 18:36

Instrument :
 MSVOA_W
 ClientSampled :
 SB-07(0-2)

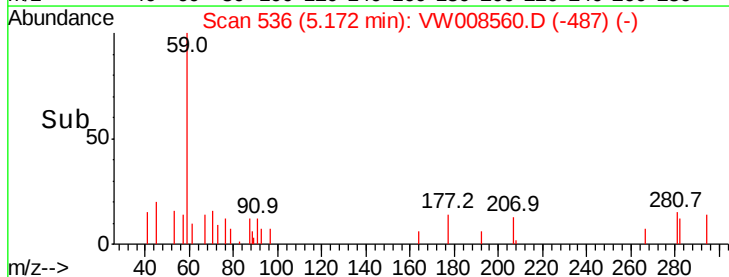
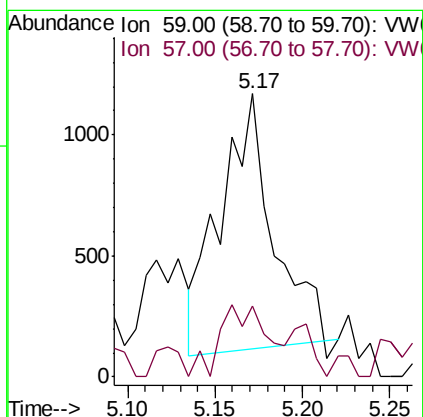
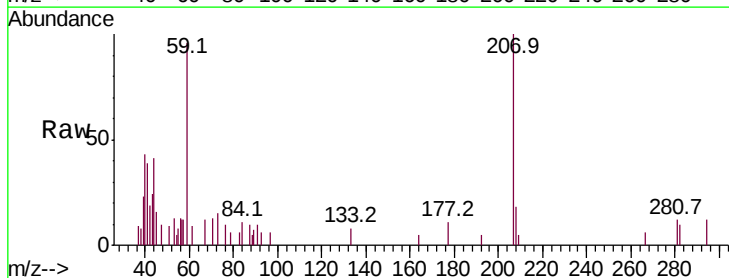
Tot Ion:101 Resp: 127
 Ion Ratio Lower Upper
 101 100
 103 96.7 52.5 78.7#

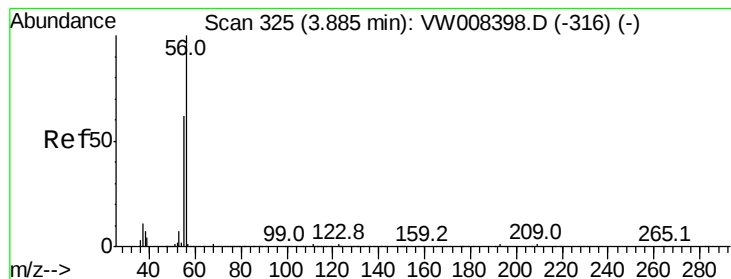


#11

Tert butyl alcohol
 Concen: 5.399 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008560.D
 Acq: 07 Feb 2019 18:36

Tgt Ion: 59 Resp: 2217
 Ion Ratio Lower Upper
 59 100
 57 25.7 9.3 13.9#





#13

Acrolein

Concen: 4.495 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

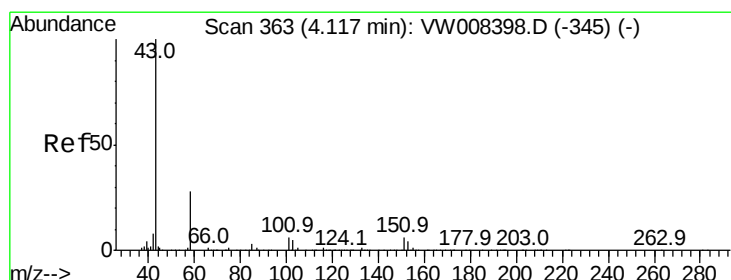
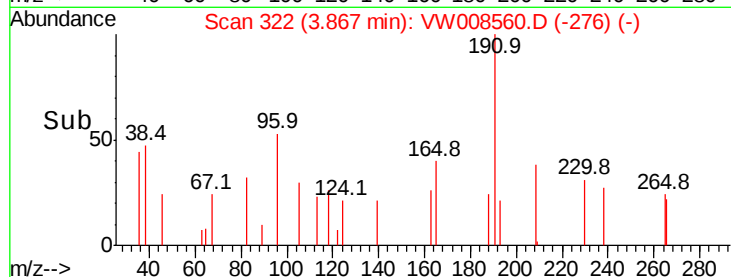
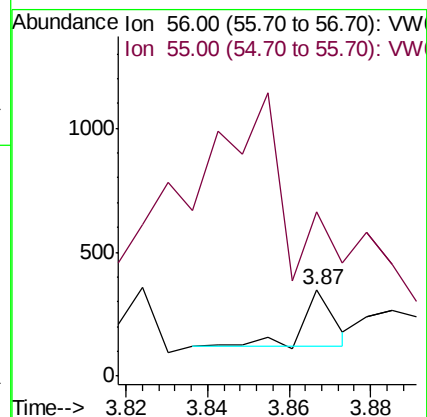
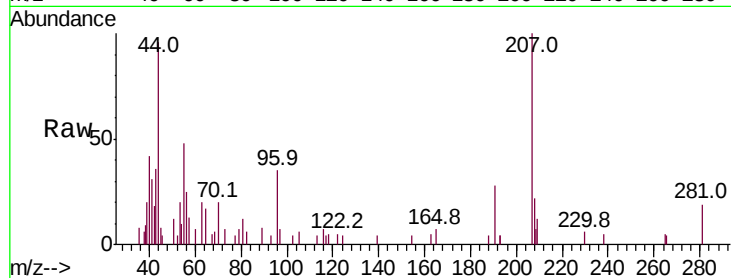
SB-07(0-2)

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 1540.4 56.7 85.1#



#16

Acetone

Concen: 4.774 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008560.D

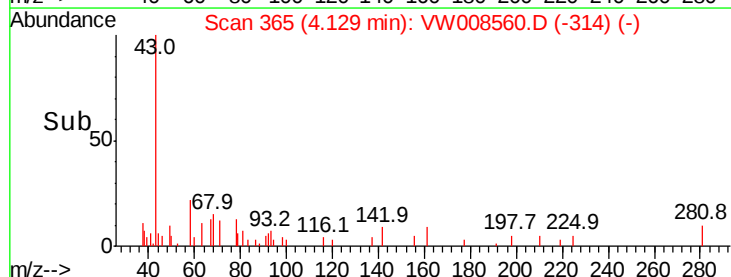
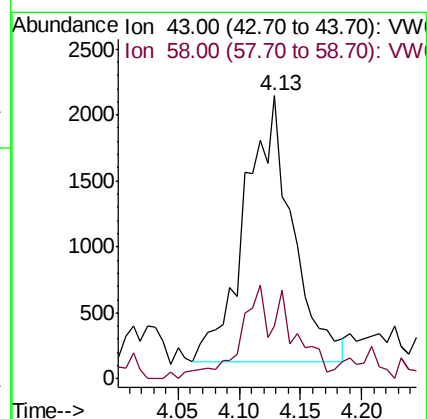
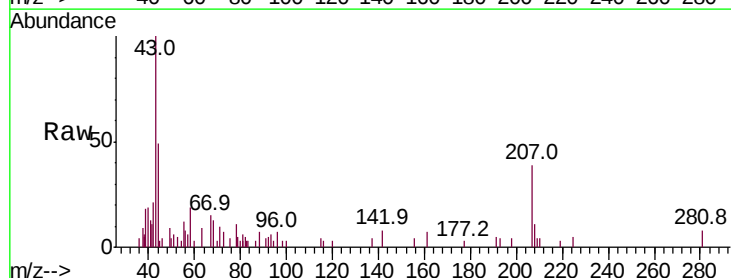
Acq: 07 Feb 2019 18:36

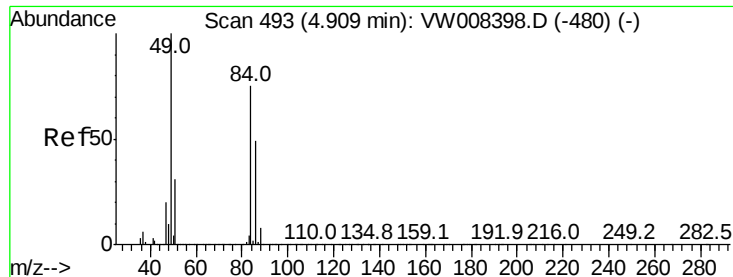
Tgt Ion: 43 Resp: 5468

Ion Ratio Lower Upper

43 100

58 16.8 22.6 34.0#

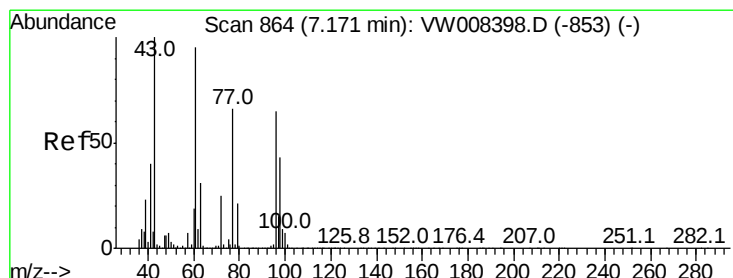
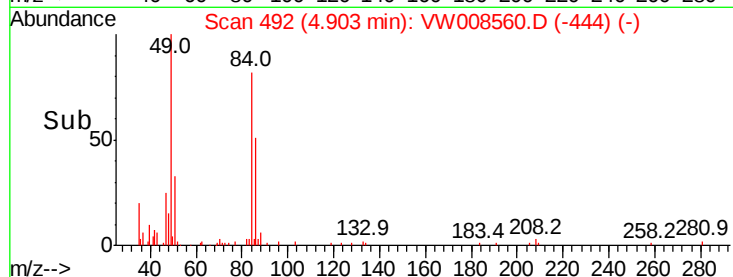
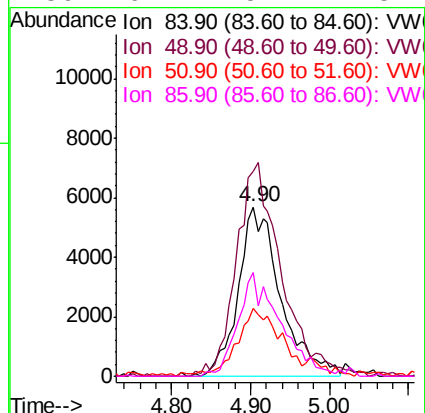
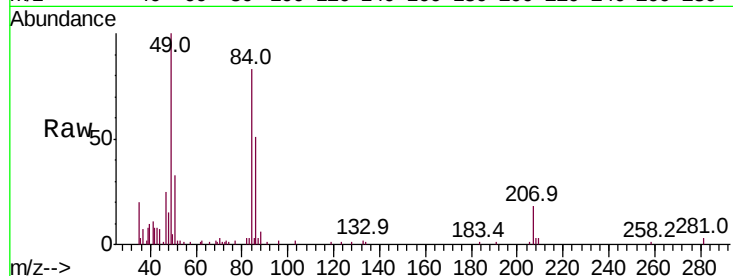




#20
Methvlene Chloride
Concen: 4.021 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008560.D
Acq: 07 Feb 2019 18:36

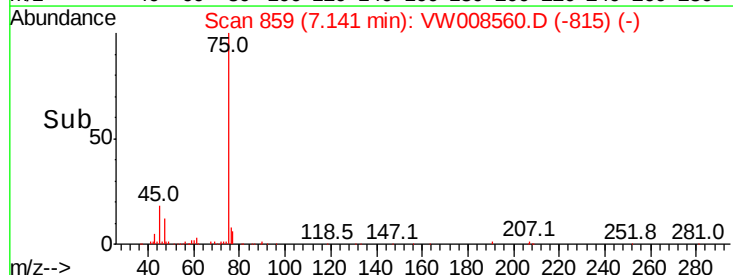
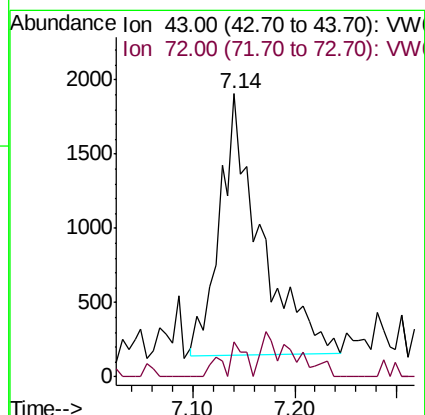
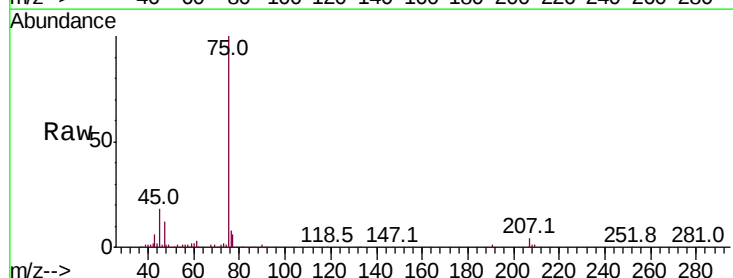
Instrument :
MSVOA_W
ClientSampleId :
SB-07(0-2)

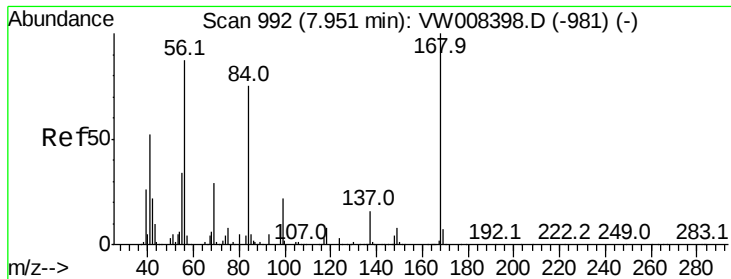
Tot Ion:	84	Resp:	21223
Ion	Ratio	Lower	Upper
84	100		
49	120.8	106.8	160.2
51	38.5	32.9	49.3
86	61.4	52.2	78.2



#25
2-Butanone
Concen: 3.082 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008560.D
Acq: 07 Feb 2019 18:36

Tgt Ion:	43	Resp:	4903
Ion	Ratio	Lower	Upper
43	100		
72	13.5	20.1	30.1#





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampled :

SB-07(0-2)

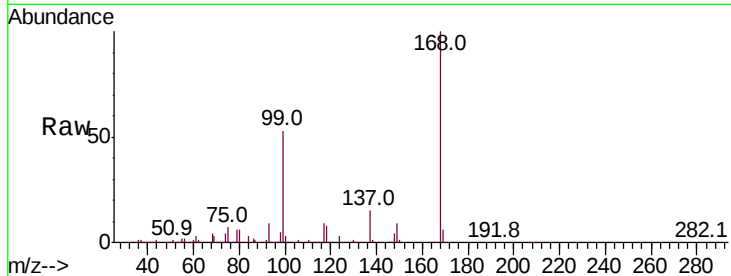
Tot Ion: 56 Resp: 11628

Ion Ratio Lower Upper

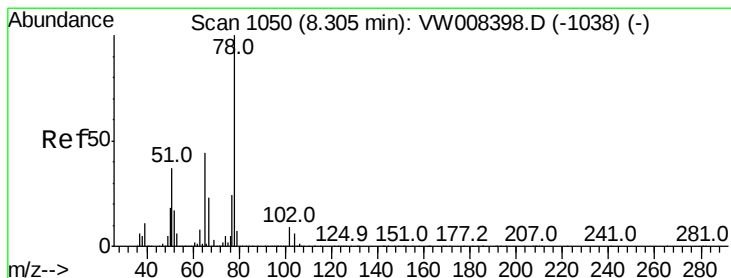
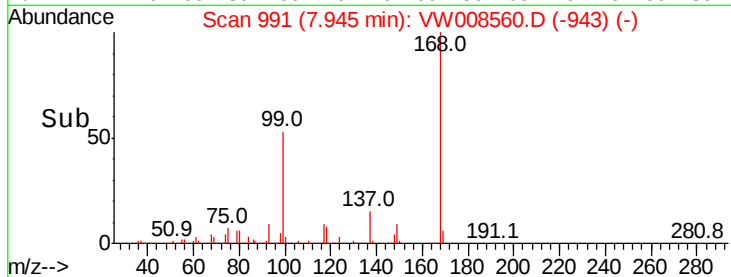
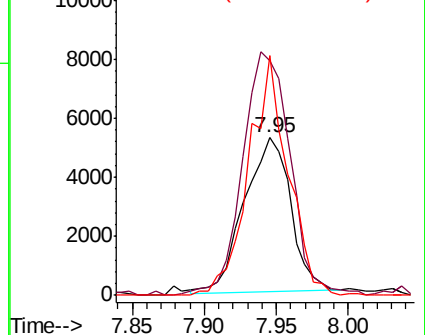
56 100

69 152.1 26.4 39.6#

84 157.5 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.536 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008560.D

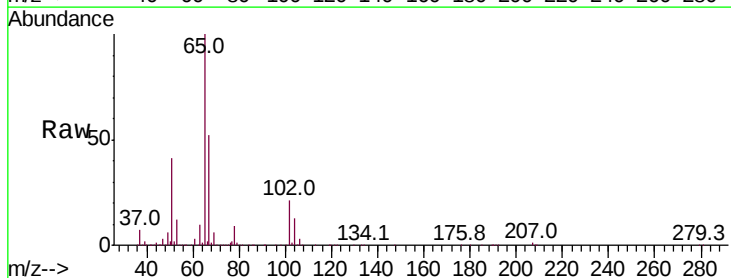
Acq: 07 Feb 2019 18:36

Tgt Ion: 65 Resp: 293433

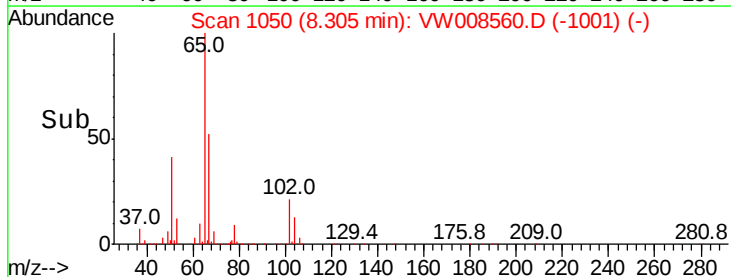
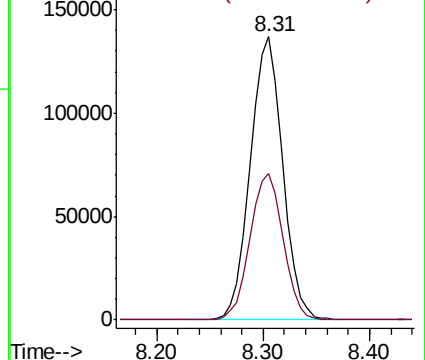
Ion Ratio Lower Upper

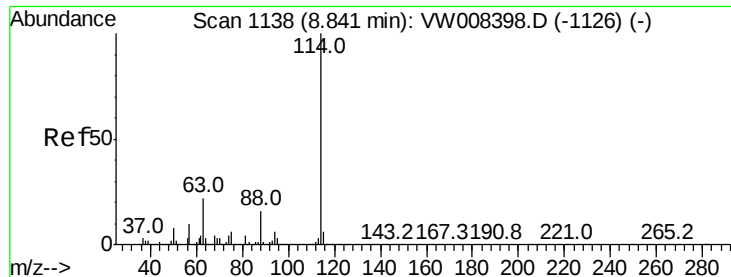
65 100

67 53.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampled :

SB-07(0-2)

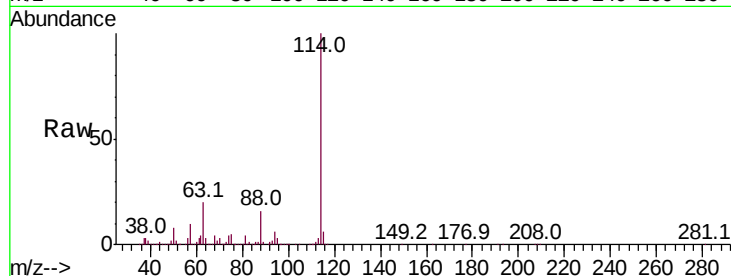
Tot Ion:114 Resp: 836375

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.6

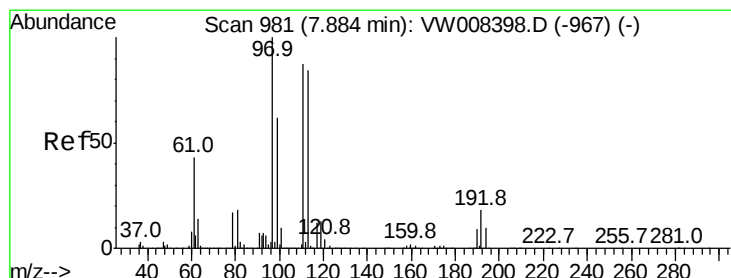
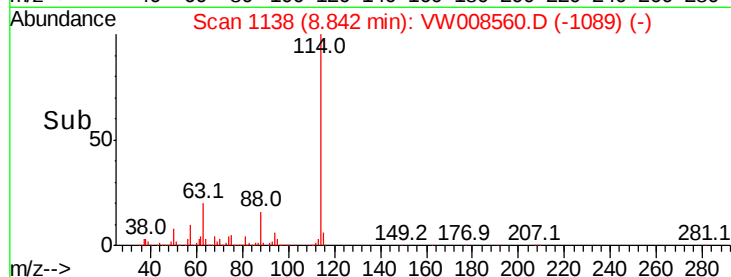
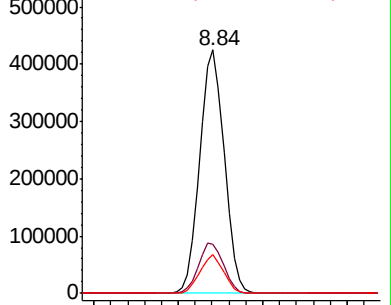
88 16.0 0.0 31.8



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: 54.087 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

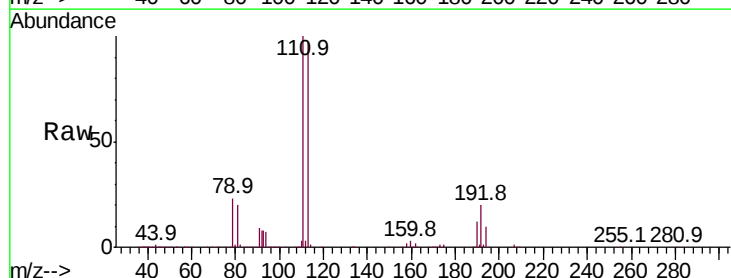
Tgt Ion:113 Resp: 264517

Ion Ratio Lower Upper

113 100

111 104.0 81.0 121.4

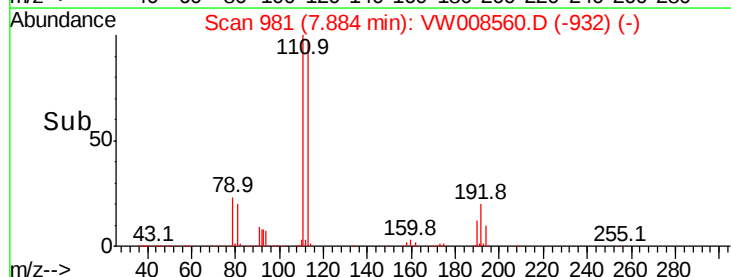
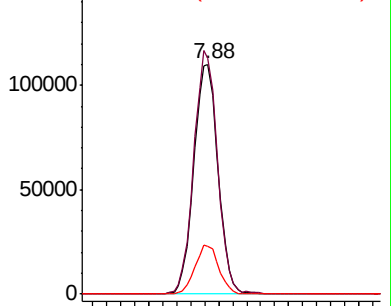
192 20.9 16.8 25.2

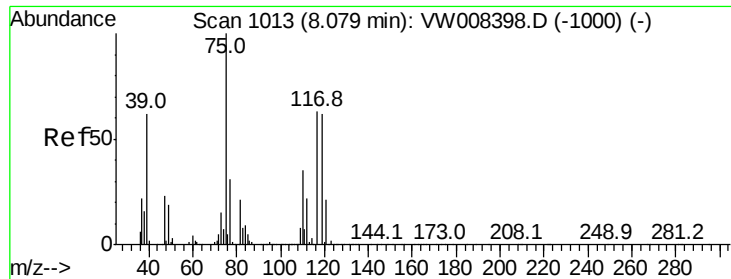


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-07(0-2)

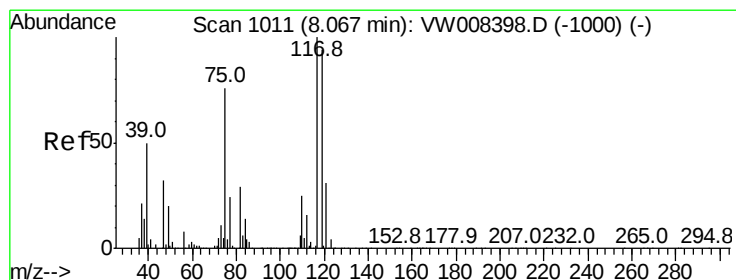
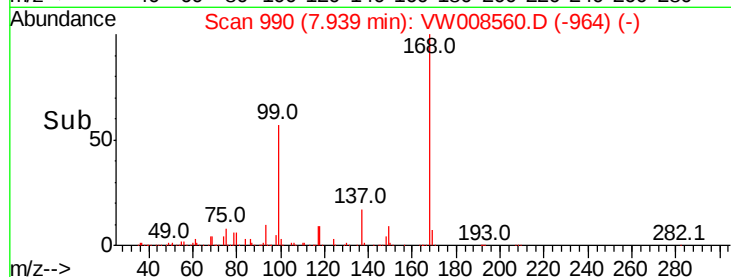
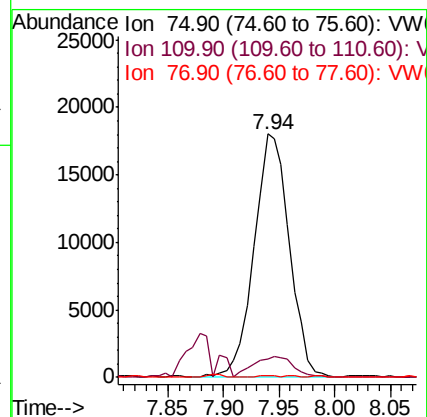
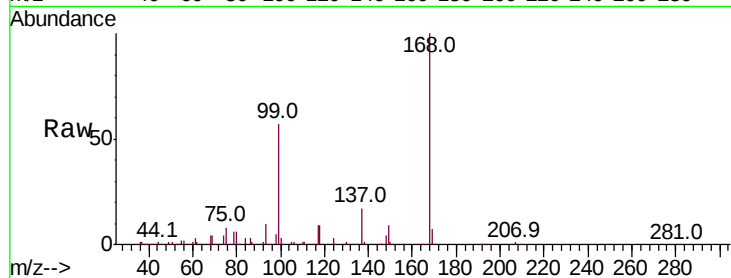
Tot Ion: 75 Resp: 39879

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.277 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

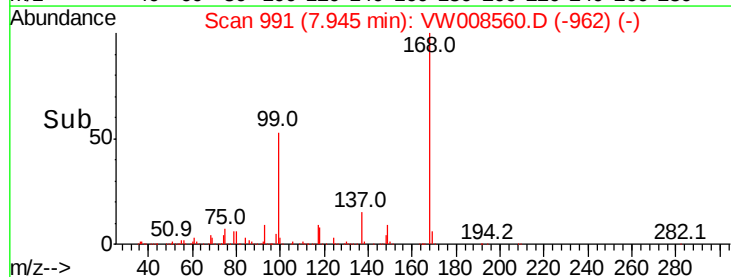
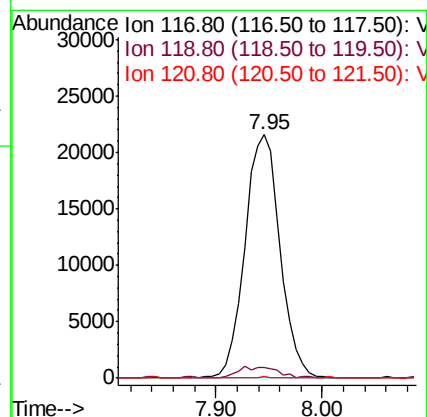
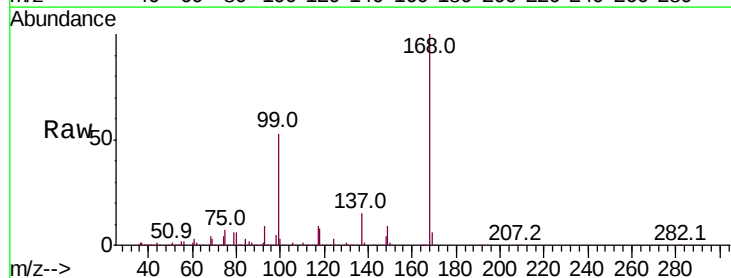
Tgt Ion: 117 Resp: 49902

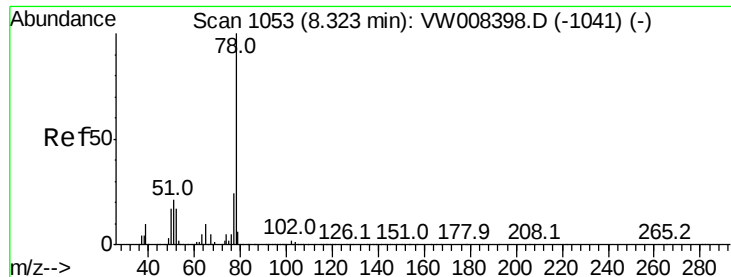
Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.4#

121 0.9 24.9 37.3#





#40

Benzene

Concen: 2.234 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

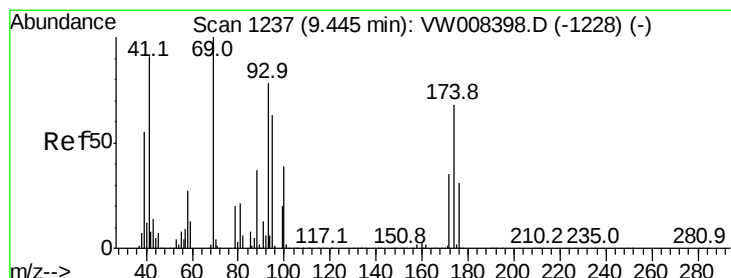
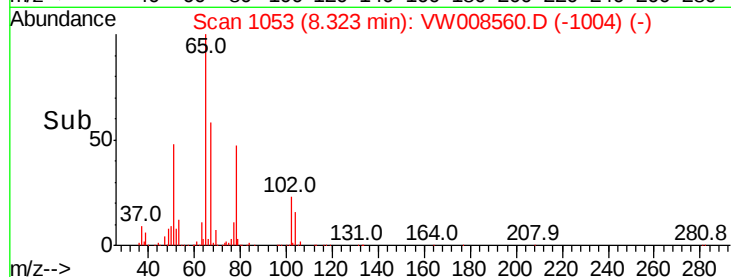
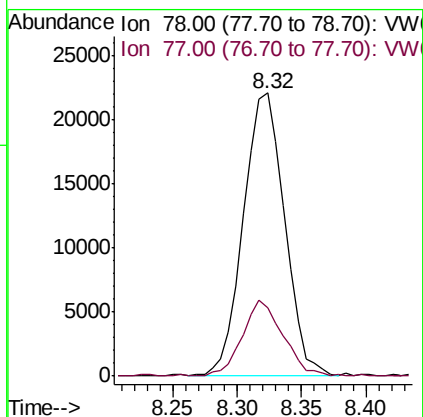
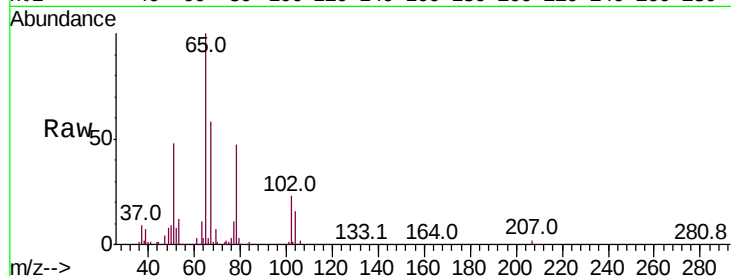
SB-07(0-2)

Tot Ion: 78 Resp: 48978

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



#49

1,4-Dioxane

Concen: 1.389 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

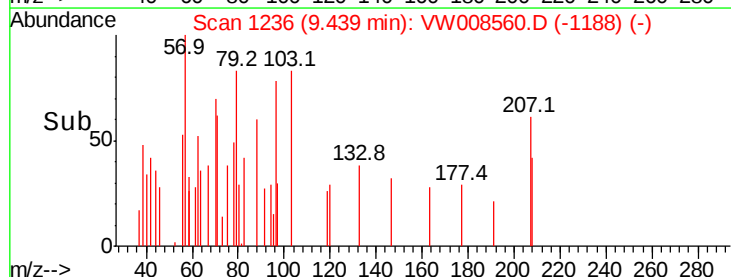
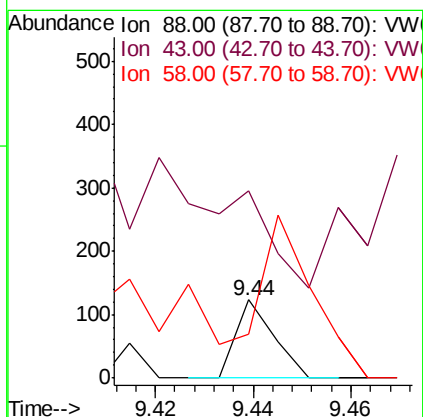
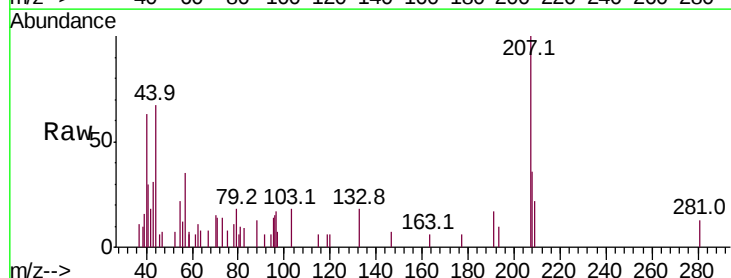
Tgt Ion: 88 Resp: 66

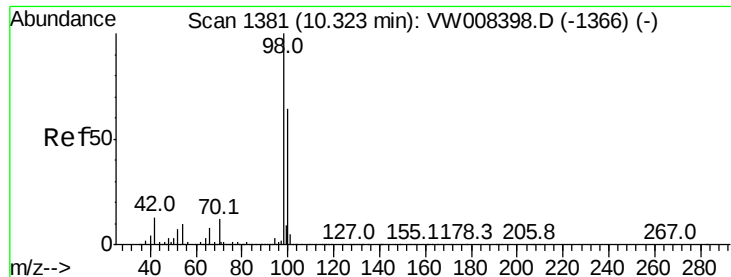
Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 297.0 56.4 84.6#





#50

Toluene-d8

Concen: 50.098 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

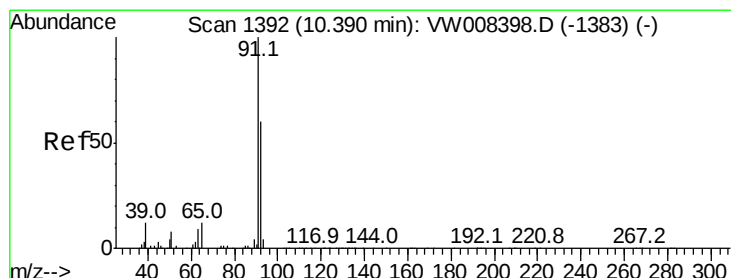
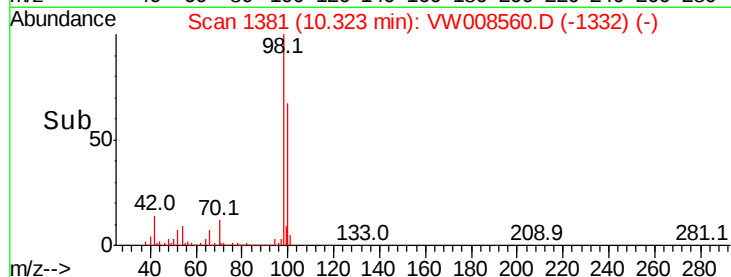
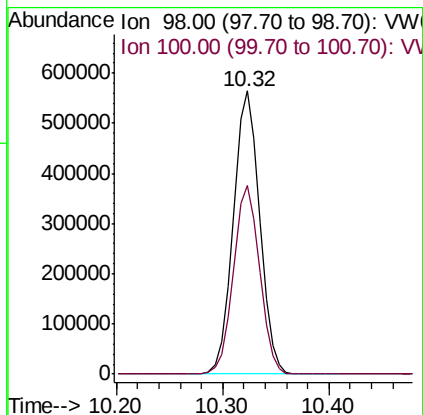
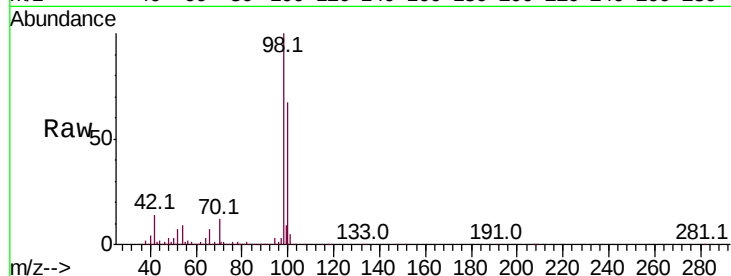
SB-07(0-2)

Tot Ion: 98 Resp: 982496

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8



#52

Toluene

Concen: 1.820 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008560.D

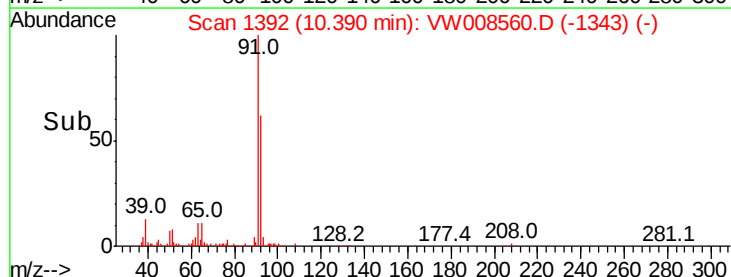
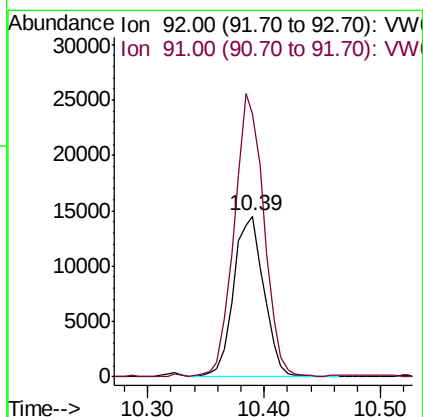
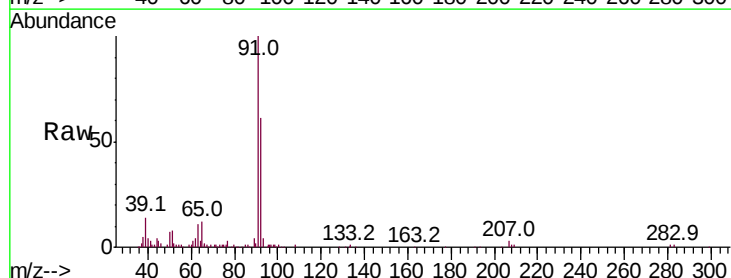
Acq: 07 Feb 2019 18:36

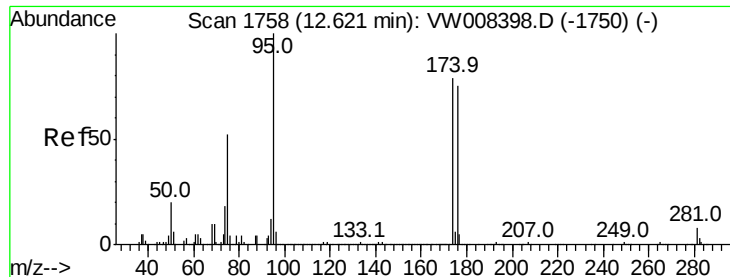
Tgt Ion: 92 Resp: 26334

Ion Ratio Lower Upper

92 100

91 172.6 135.5 203.3

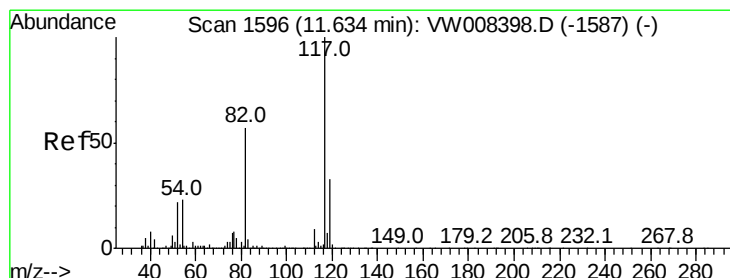
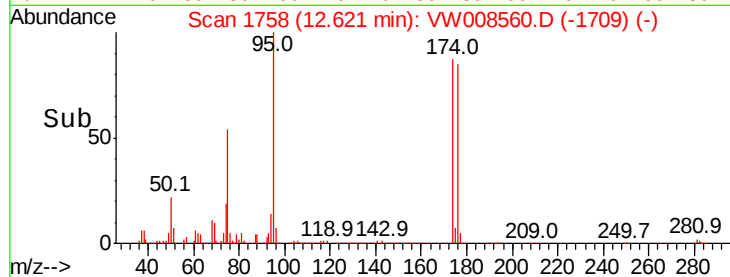
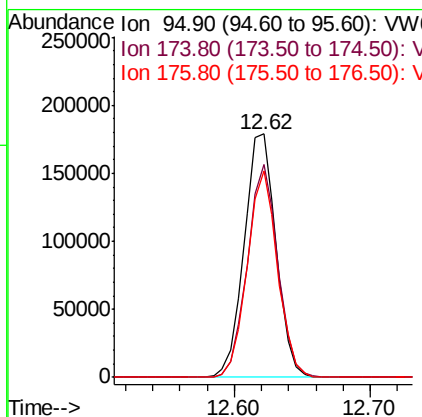
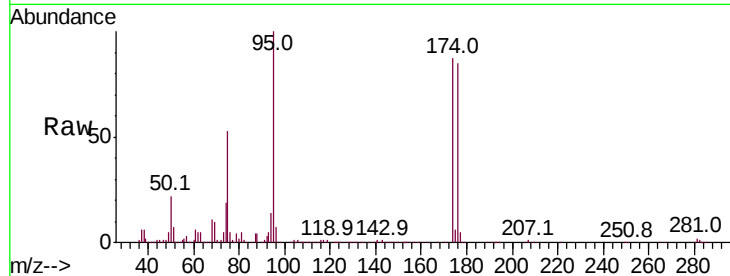




#62
4-Bromofluorobenzene
Concen: 38.775 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008560.D
Acq: 07 Feb 2019 18:36

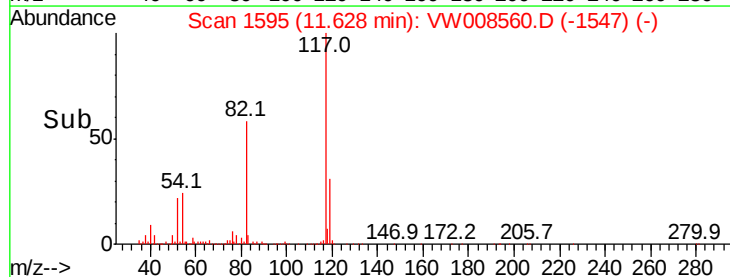
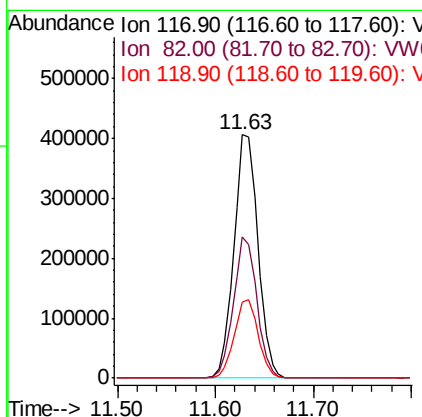
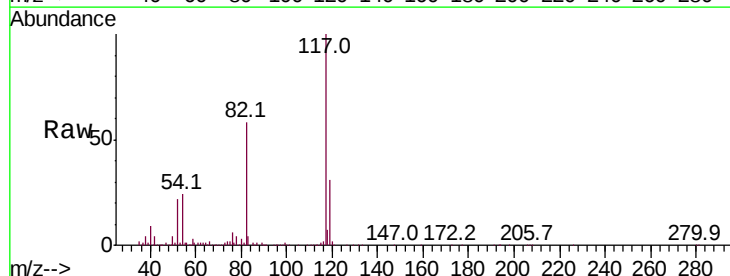
Instrument :
MSVOA_W
ClientSampleId :
SB-07(0-2)

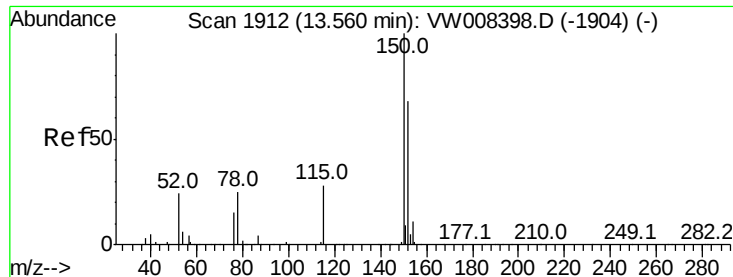
Tot Ion	95	Resp	292297
Ion Ratio	Lower	Upper	
95	100		
174	84.3	0.0	157.6
176	80.8	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008560.D
Acq: 07 Feb 2019 18:36

Tgt Ion	117	Resp	693199
Ion Ratio	Lower	Upper	
117	100		
82	58.0	45.4	68.0
119	31.1	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-07(0-2)

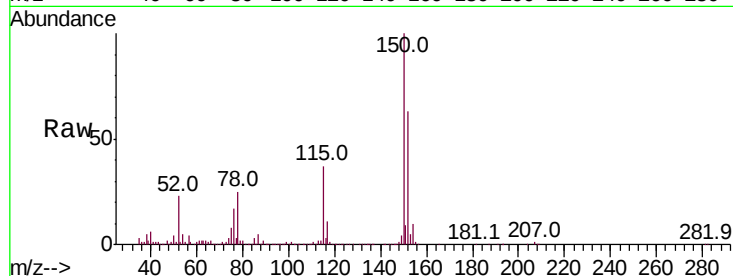
Tot Ion:152 Resp: 233033

Ion Ratio Lower Upper

152 100

115 58.4 29.9 89.7

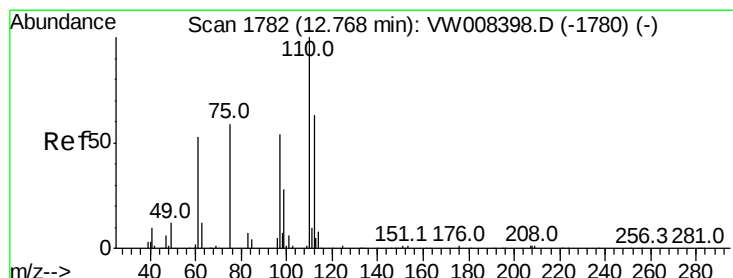
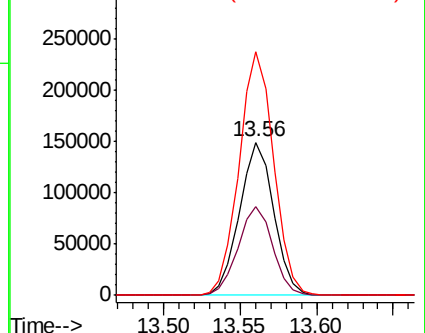
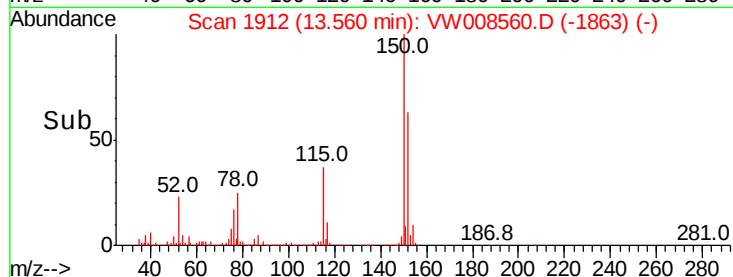
150 160.2 0.0 351.4



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: 77.371 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008560.D

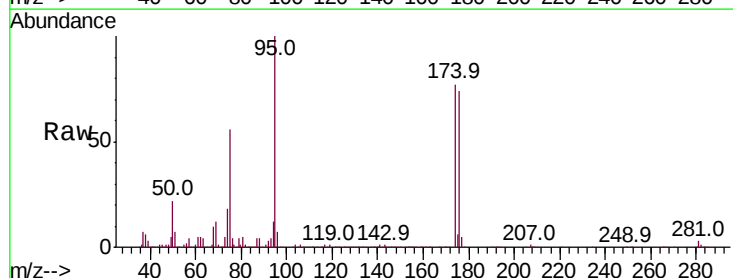
Acq: 07 Feb 2019 18:36

Tgt Ion: 75 Resp: 156759

Ion Ratio Lower Upper

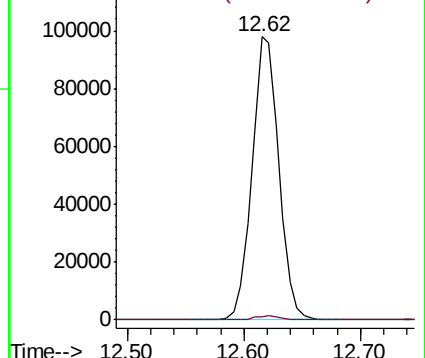
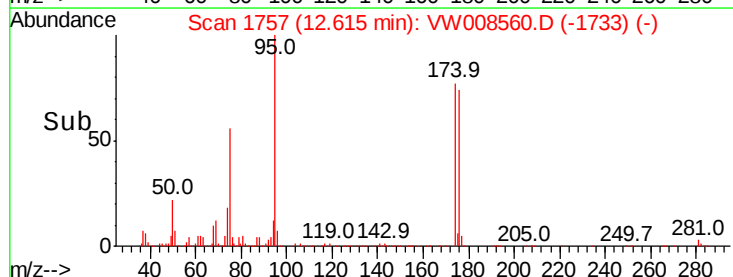
75 100

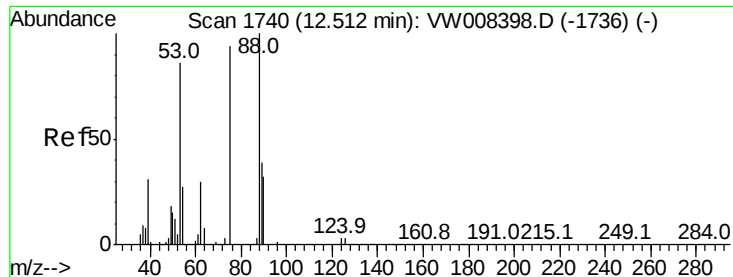
77 1.6 180.7 542.1#



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: 152.815 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008560.D

Acq: 07 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-07(0-2)

Tot Ion: 75 Resp: 156759

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.0 35.4 53.0#

