

Data File : VW008606.D
Acq On : 11 Feb 2019 19:08
Operator : SY/VA
Sample : K1457-11
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

Quant Time: Feb 12 04:35:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	420500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	689924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	617689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	274447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	248733	60.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.42%	
35) Dibromofluoromethane	7.88	113	222246	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
50) Toluene-d8	10.32	98	820728	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	292769	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

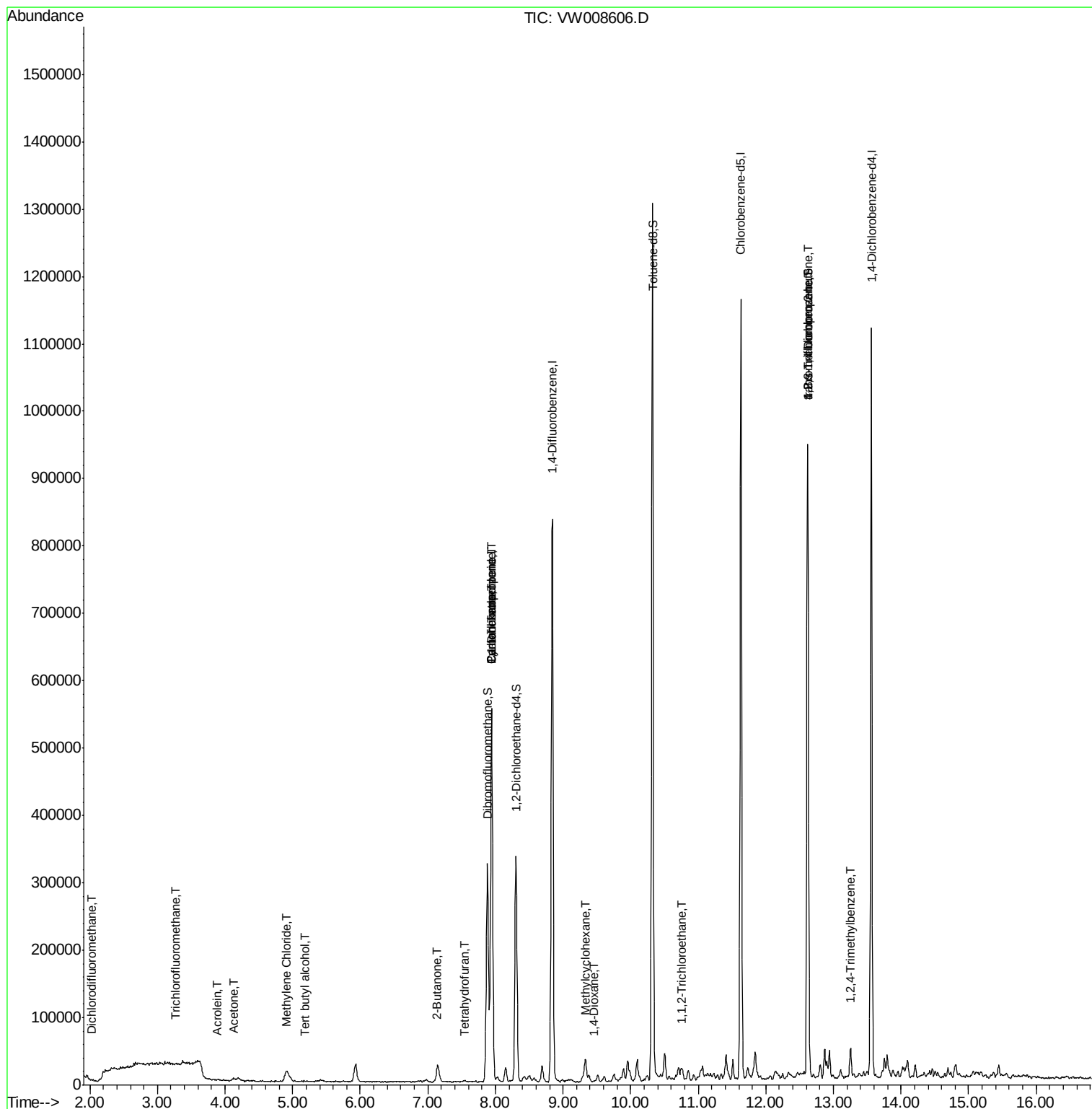
						Qvalue
2) Dichlorodifluoromethane	2.01	85	330	3.379	ug/l #	41
7) Trichlorofluoromethane	3.26	101	42	4.735	ug/l #	1
11) Tert butyl alcohol	5.18	59	1197	3.599	ug/l #	60
13) Acrolein	3.88	56	254	5.036	ug/l #	1
16) Acetone	4.14	43	5886	6.345	ug/l #	66
20) Methylene Chloride	4.90	84	13089	3.061	ug/l #	95
25) 2-Butanone	7.15	43	1397	1.084	ug/l #	80
29) Tetrahydrofuran	7.54	42	1635	2.002	ug/l #	56
31) Cyclohexane	7.94	56	13144	1.621	ug/l #	9
36) 1,1-Dichloropropene	7.94	75	32450	4.979	ug/l #	50
38) Carbon Tetrachloride	7.94	117	40501	6.176	ug/l #	18
39) Methylcyclohexane	9.34	83	12517	1.462	ug/l	94
49) 1,4-Dioxane	9.45	88	48	1.224	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	4933	1.533	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	156601	65.630	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	156601	129.624	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	23129	1.331	ug/l	99

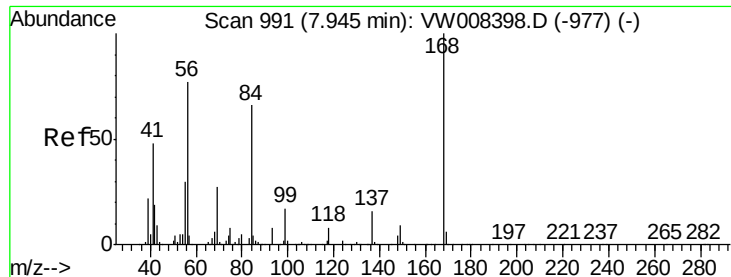
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008606.D
Acq On : 11 Feb 2019 19:08
Operator : SY/VA
Sample : K1457-11
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

Quant Time: Feb 12 04:35:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

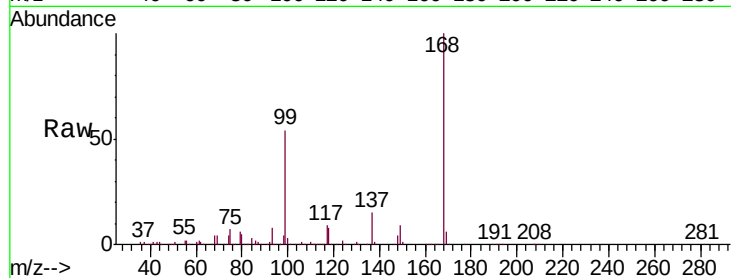
SB-10(0-5)

Tgt Ion:168 Resp: 420500

Ion Ratio Lower Upper

168 100

99 54.3 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

200000

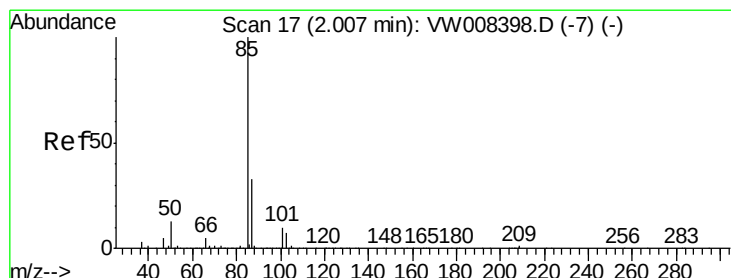
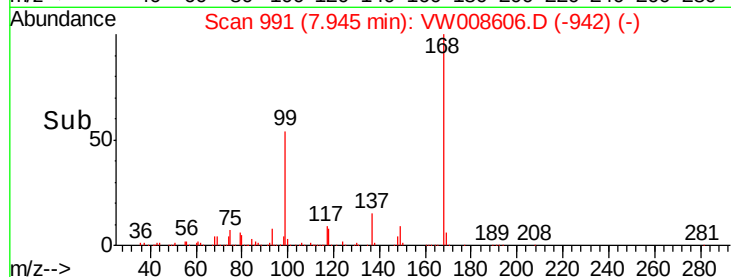
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.379 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008606.D

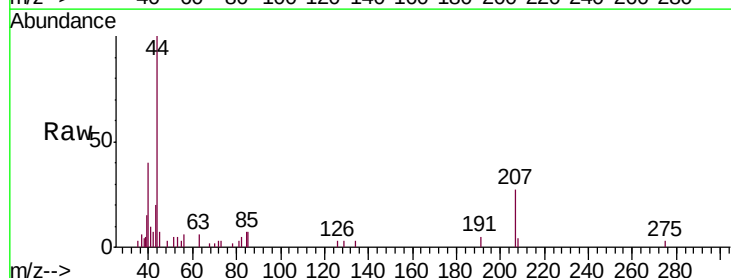
Acq: 11 Feb 2019 19:08

Tgt Ion: 85 Resp: 330

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

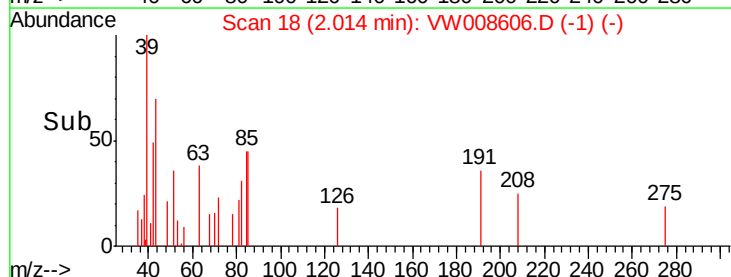
300

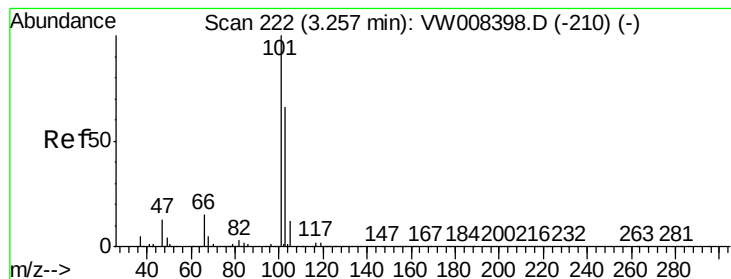
200

100

0

Time--> 1.98 2.00 2.02 2.04 2.06



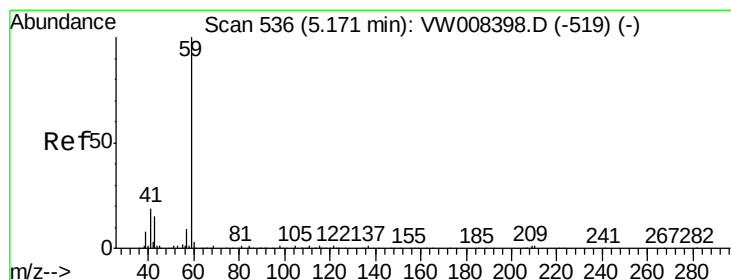
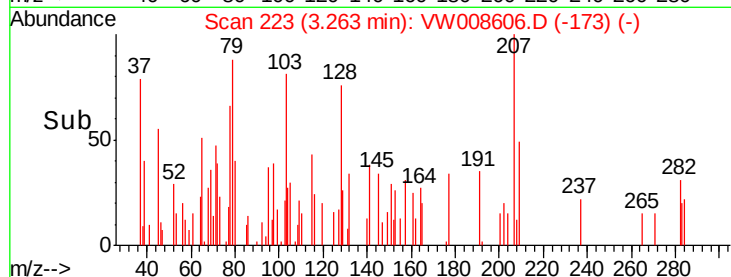
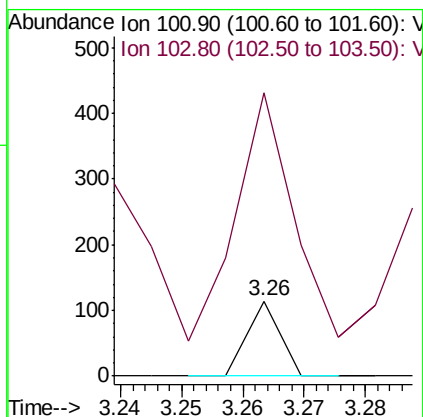
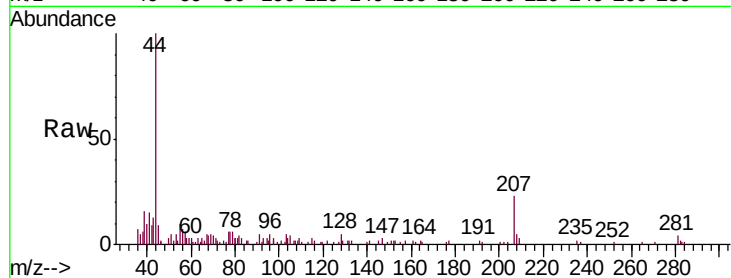


#7

Trichlorofluoromethane
 Concen: 4.735 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(0-5)

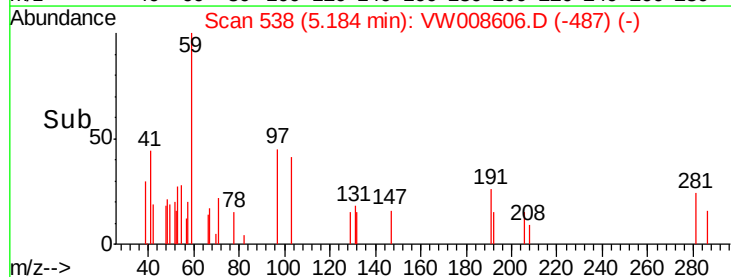
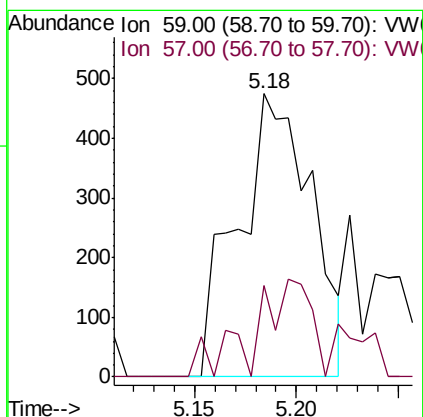
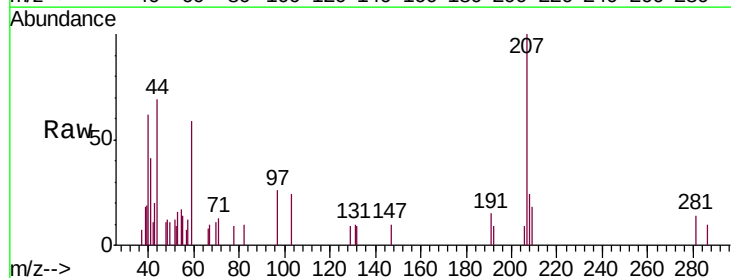
Tgt Ion: 101 Resp: 42
 Ion Ratio Lower Upper
 101 100
 103 330.7 52.5 78.7#

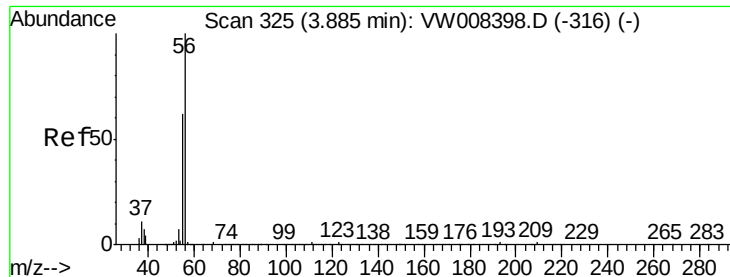


#11

Tert butyl alcohol
 Concen: 3.599 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

Tgt Ion: 59 Resp: 1197
 Ion Ratio Lower Upper
 59 100
 57 26.9 9.3 13.9#

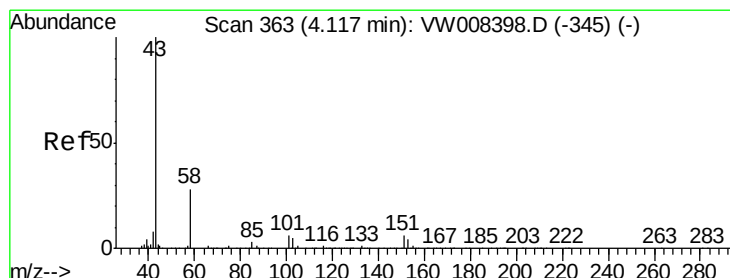
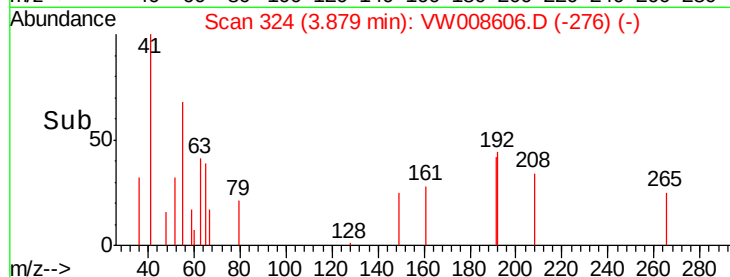
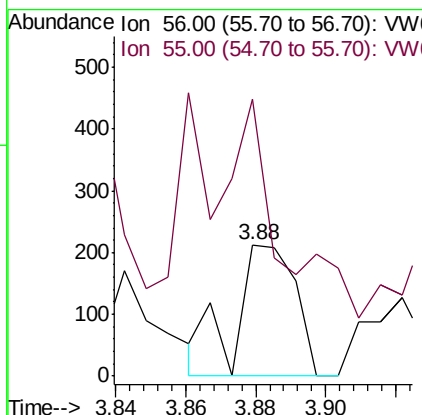
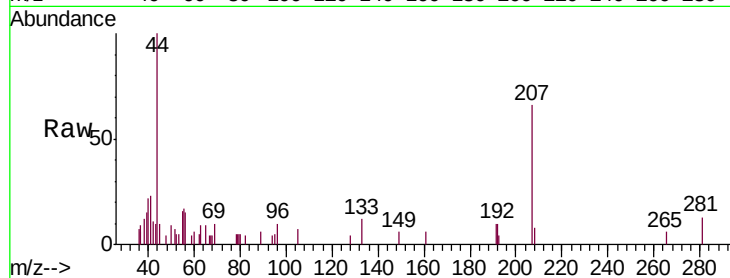




#13
Acrolein
Concen: 5.036 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

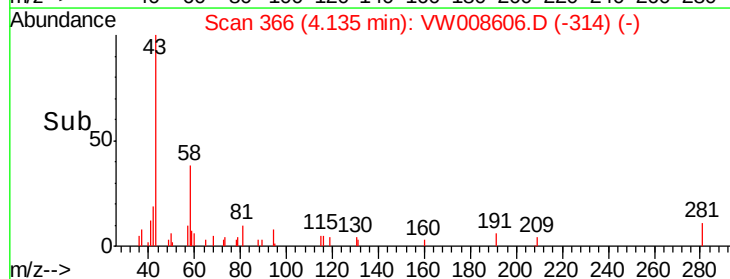
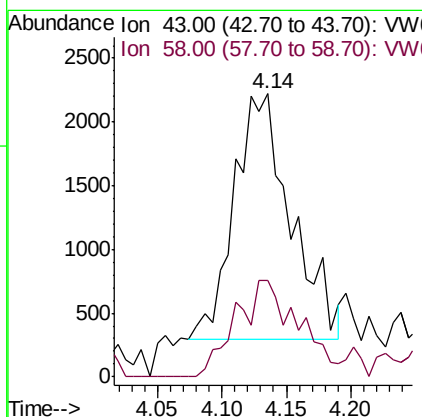
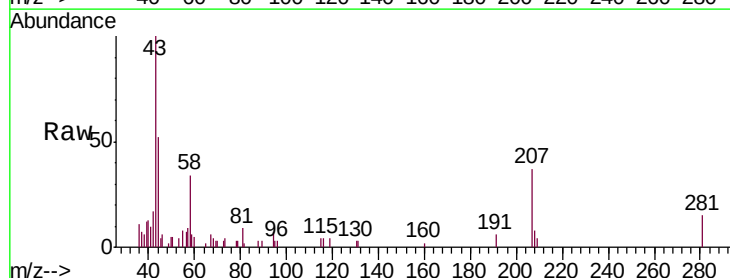
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

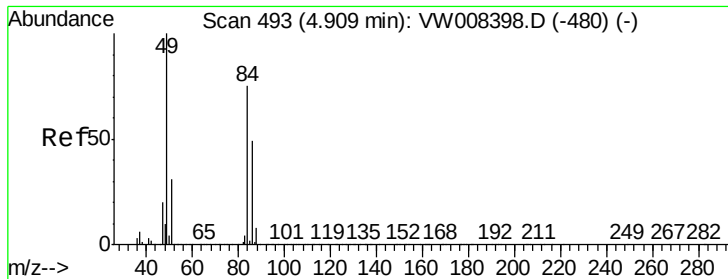
Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 220.9 56.7 85.1#



#16
Acetone
Concen: 6.345 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

Tgt Ion: 43 Resp: 5886
Ion Ratio Lower Upper
43 100
58 46.3 22.6 34.0#

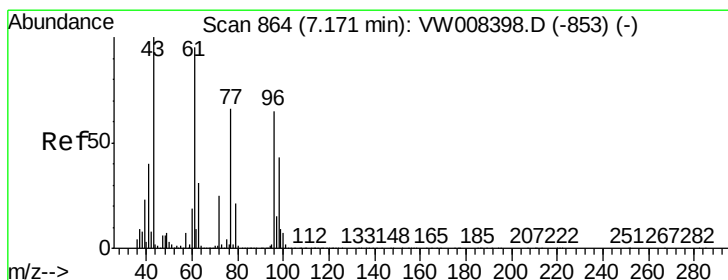
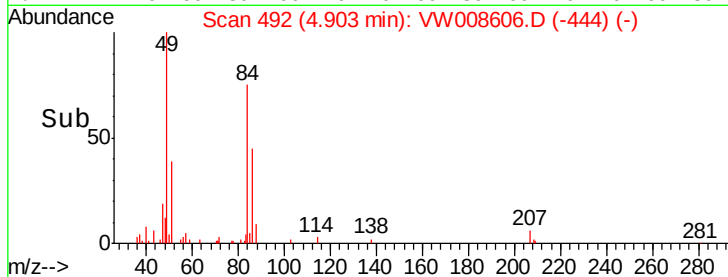
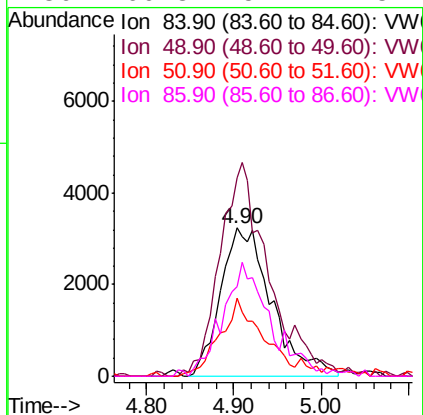
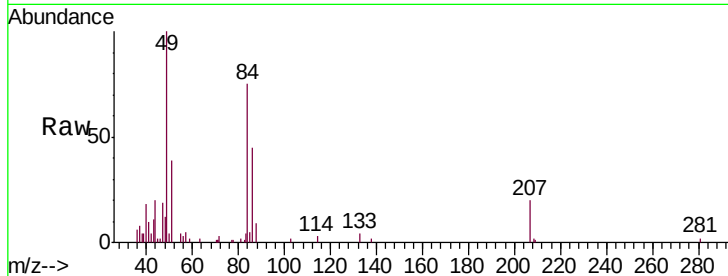




#20
Methylene Chloride
Concen: 3.061 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

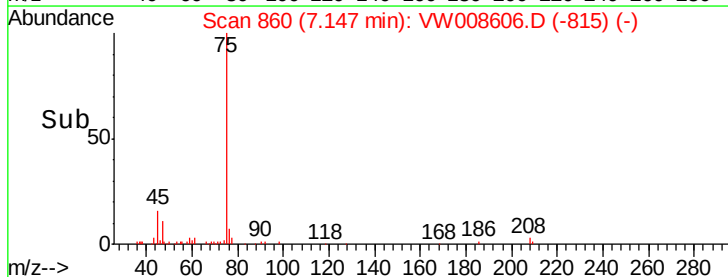
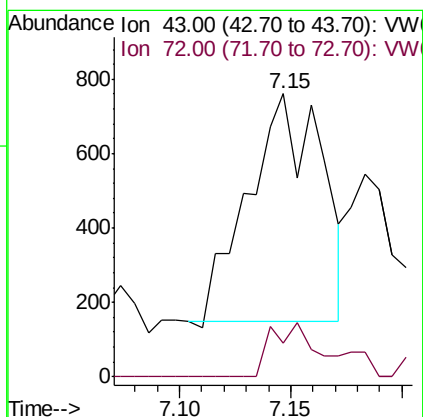
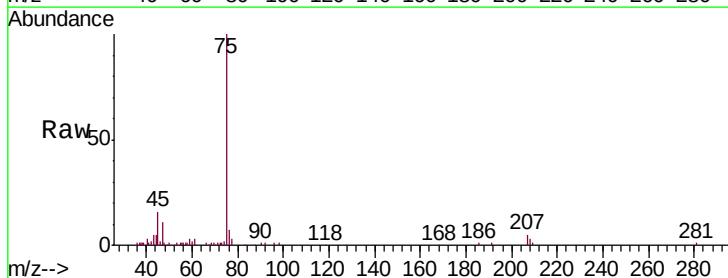
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

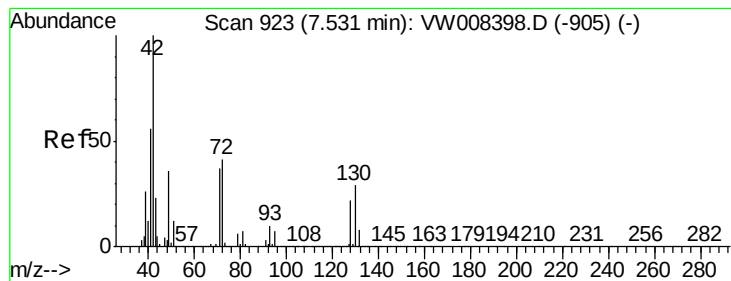
Tgt Ion:	84	Resp:	13089
Ion	Ratio	Lower	Upper
84	100		
49	130.9	106.8	160.2
51	49.7	32.9	49.3#
86	60.3	52.2	78.2



#25
2-Butanone
Concen: 1.084 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

Tgt Ion:	43	Resp:	1397
Ion	Ratio	Lower	Upper
43	100		
72	15.1	20.1	30.1#





#29

Tetrahydrofuran

Concen: 2.002 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

SB-10(0-5)

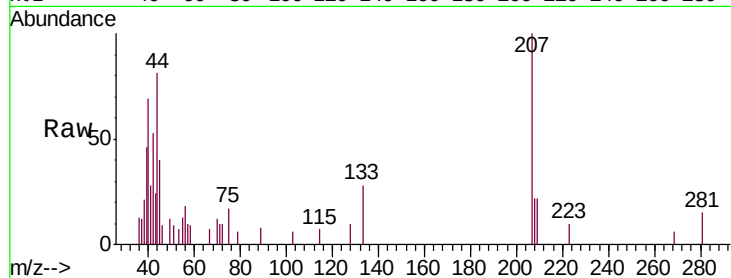
Tgt Ion: 42 Resp: 1635

Ion Ratio Lower Upper

42 100

72 11.7 31.9 47.9#

71 12.4 29.9 44.9#

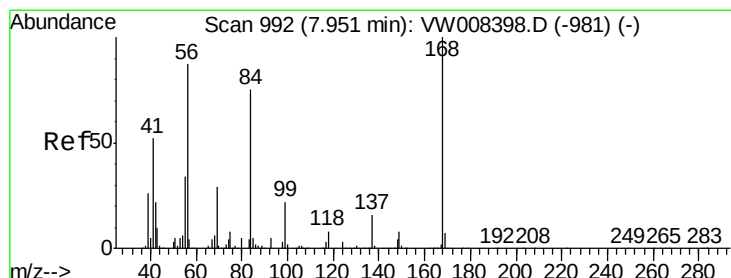
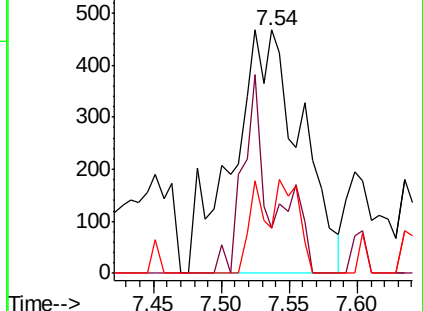
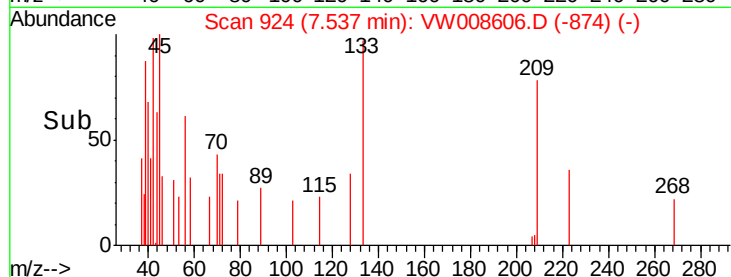


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

Time-->



#31

Cyclohexane

Concen: 1.621 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

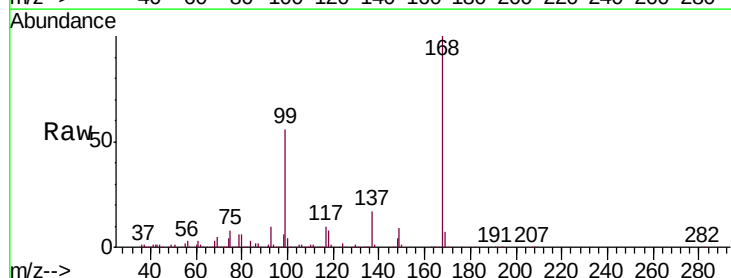
Tgt Ion: 56 Resp: 13144

Ion Ratio Lower Upper

56 100

69 166.8 26.4 39.6#

84 119.0 69.1 103.7#

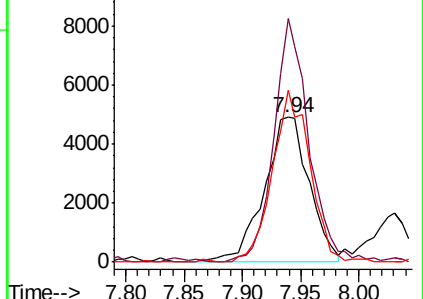
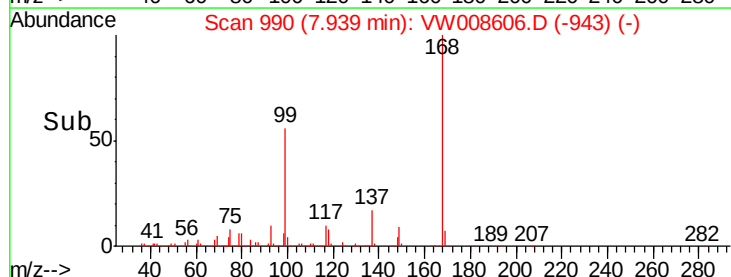


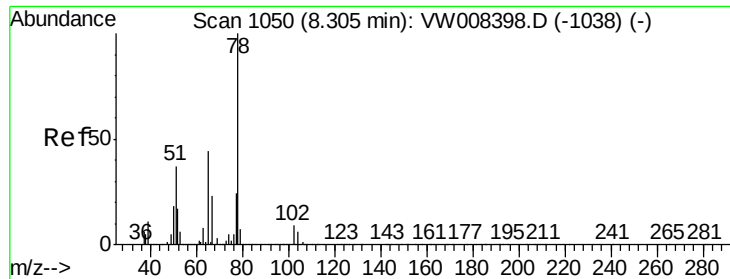
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

Time-->

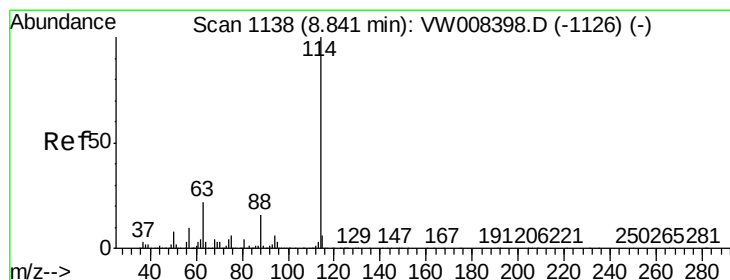
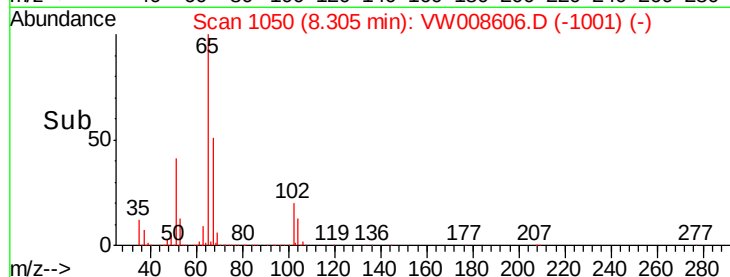
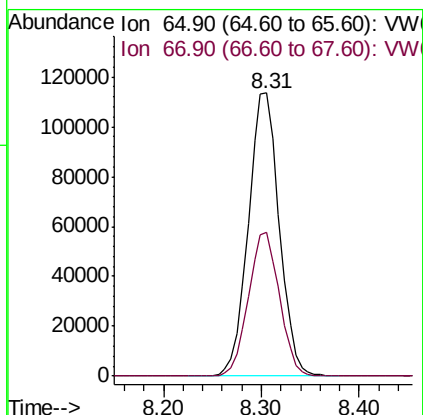
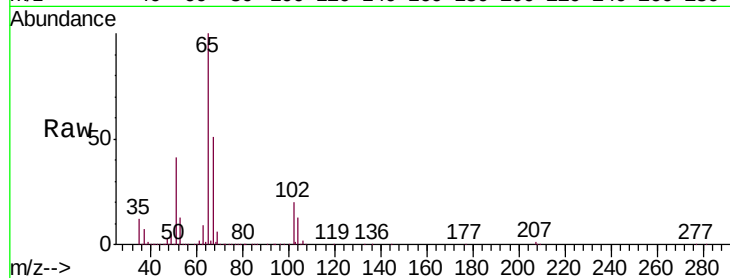




#33
 1,2-Dichloroethane-d4
 Concen: 60.211 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

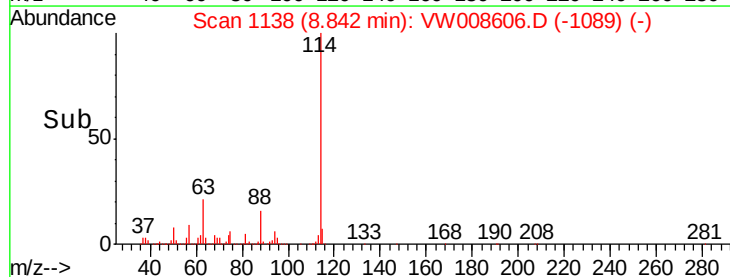
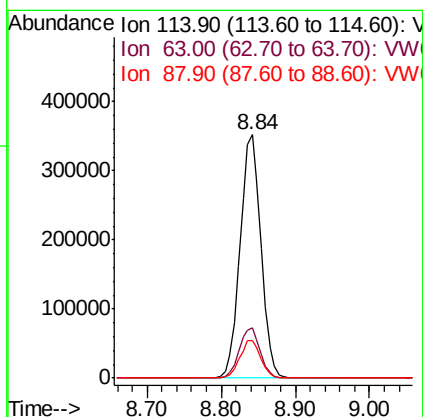
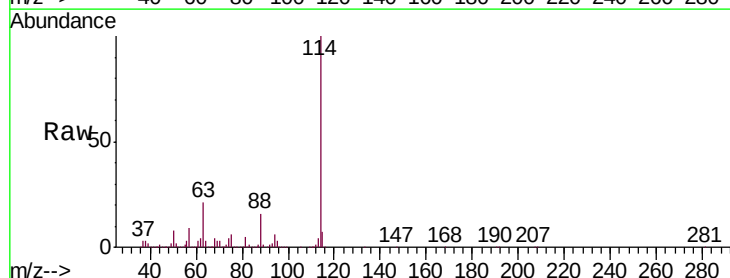
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(0-5)

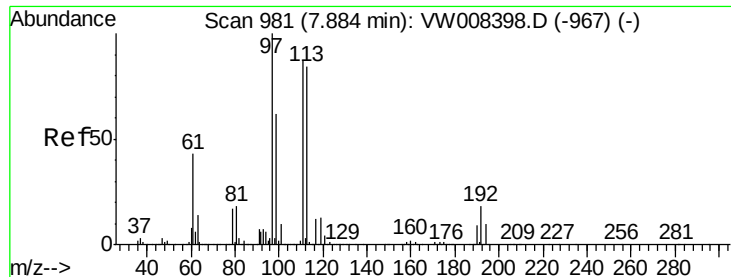
Tgt Ion: 65 Resp: 248733
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

Tgt Ion: 114 Resp: 689924
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.6
 88 15.5 0.0 31.8

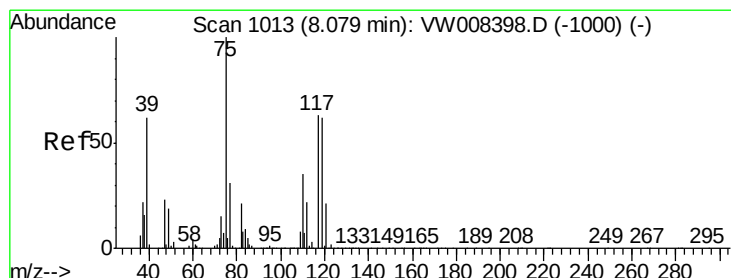
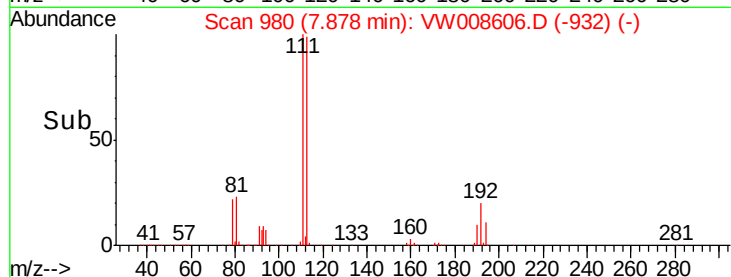
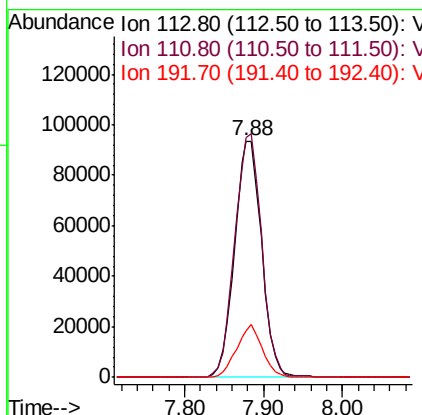
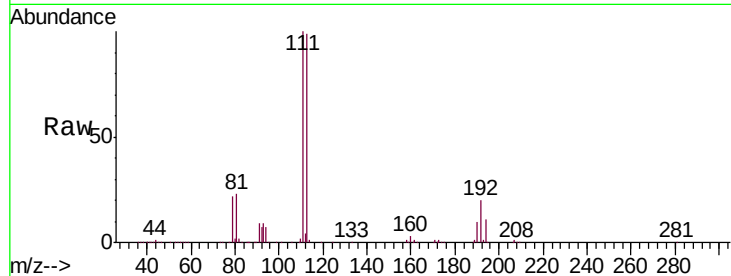




#35
 Dibromofluoromethane
 Concen: 55.090 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

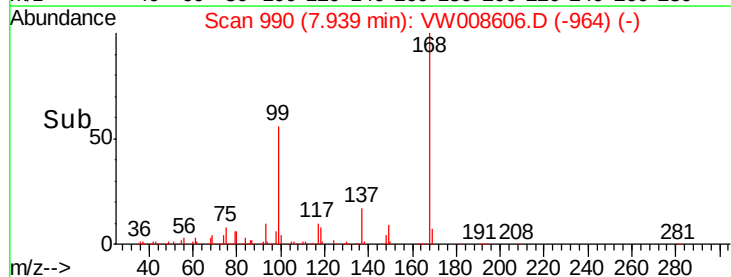
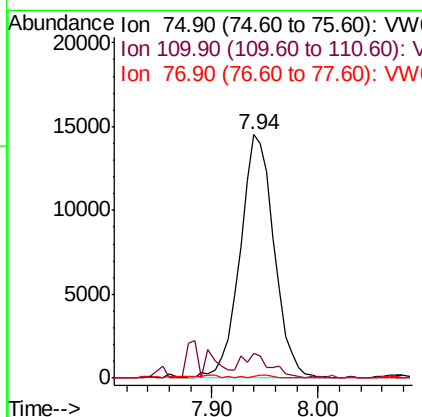
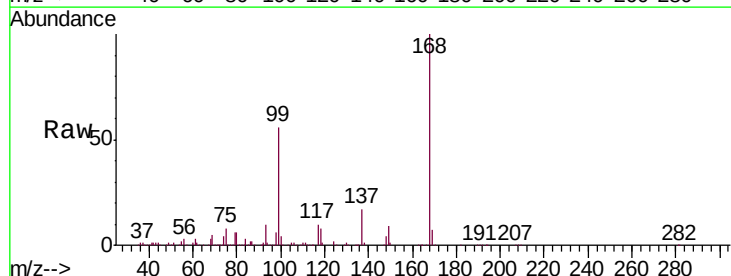
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(0-5)

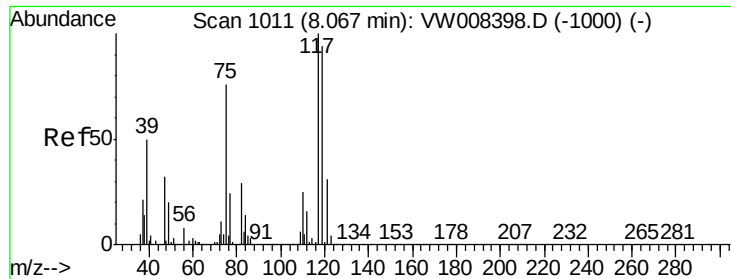
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	21.3	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008606.D
 Acq: 11 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	52.0#
77	0.1	24.7	37.1#

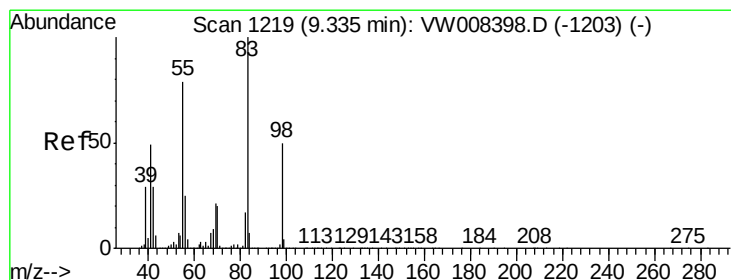
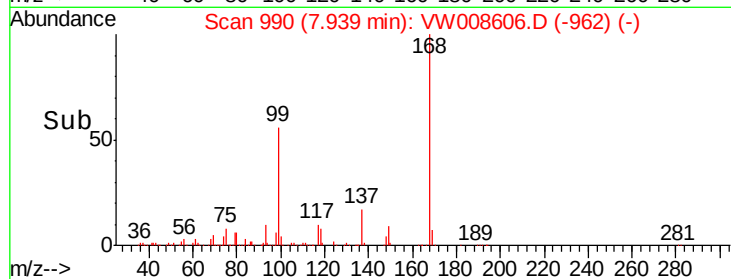
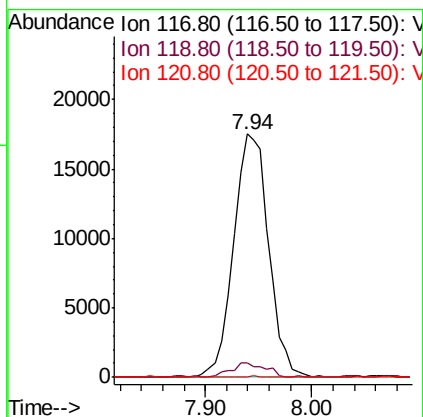
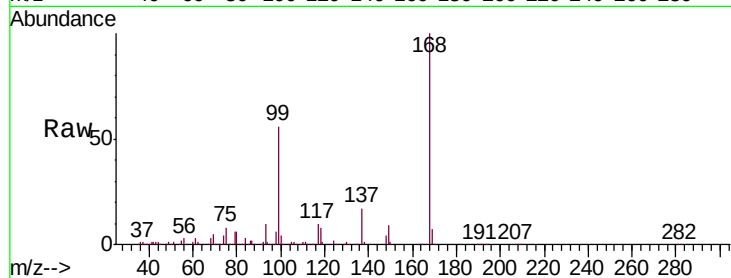




#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

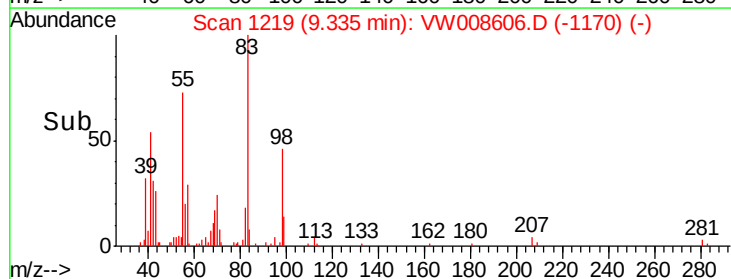
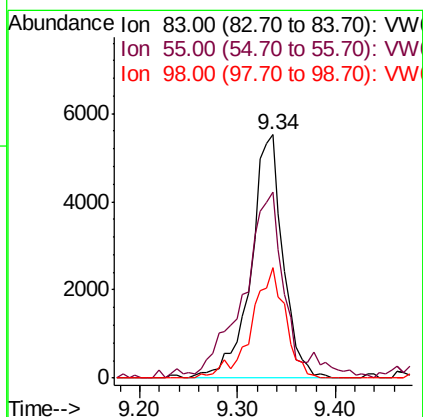
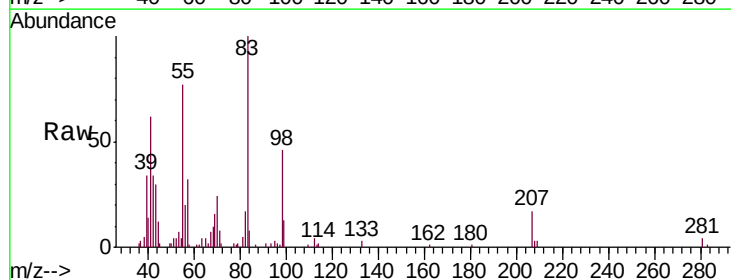
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

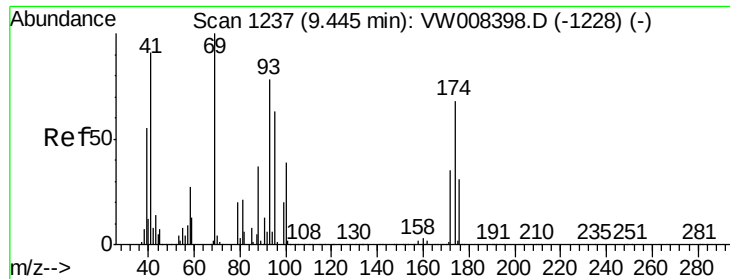
Tgt Ion: 117 Resp: 40501
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.4#
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 1.462 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

Tgt Ion: 83 Resp: 12517
Ion Ratio Lower Upper
83 100
55 74.3 63.3 94.9
98 45.5 39.7 59.5

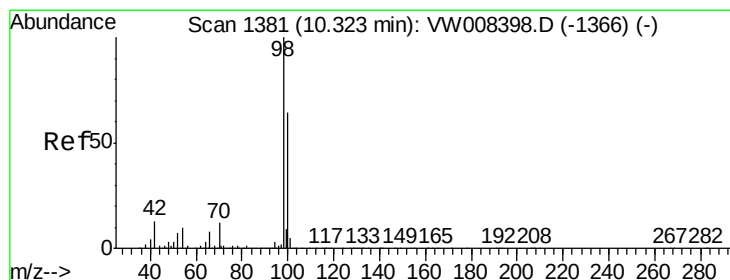
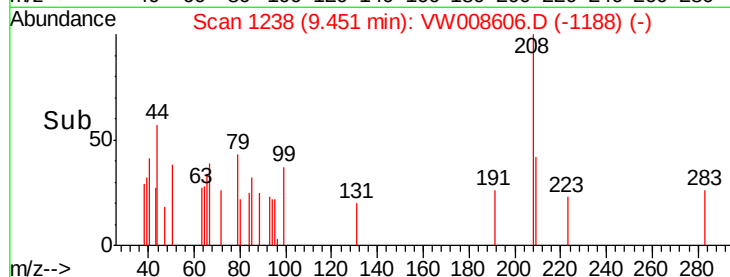
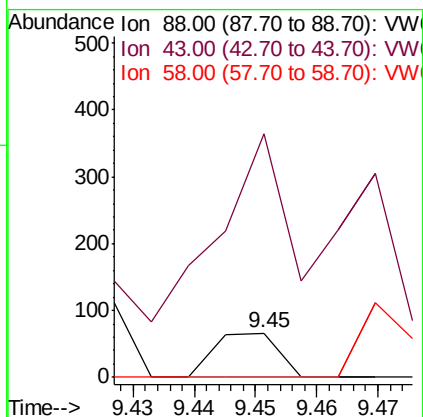
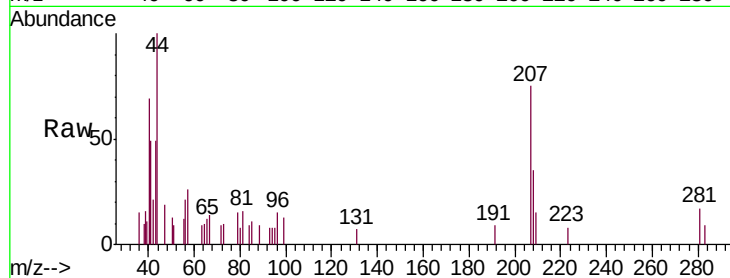




#49
1,4-Dioxane
Concen: 1.224 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

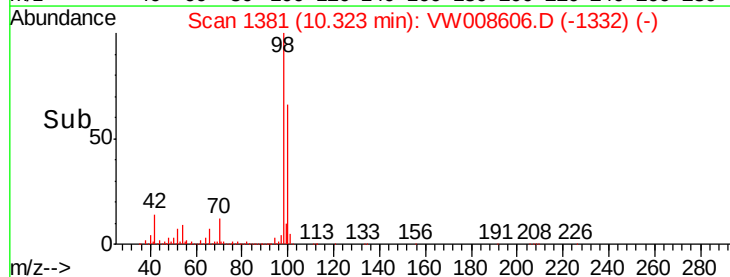
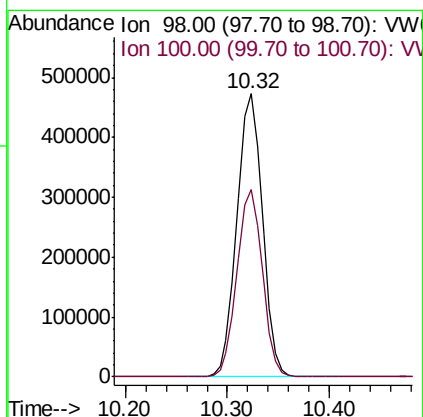
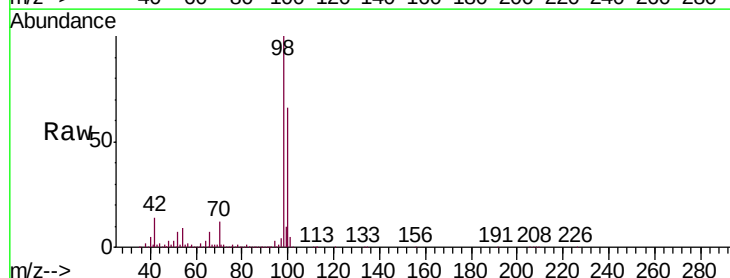
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

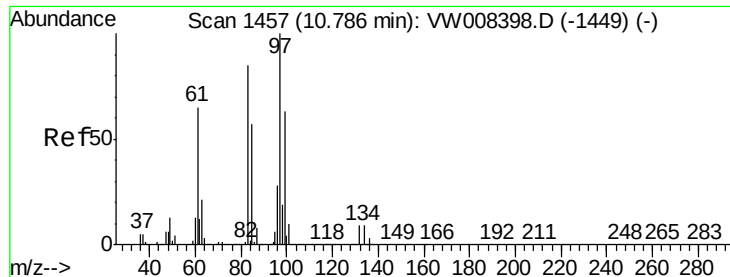
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 533.3 29.0 43.4#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 50.733 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

Tgt Ion: 98 Resp: 820728
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#55

1,1,2-Trichloroethane

Concen: 1.533 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

SB-10(0-5)

Tgt Ion: 97 Resp: 4933

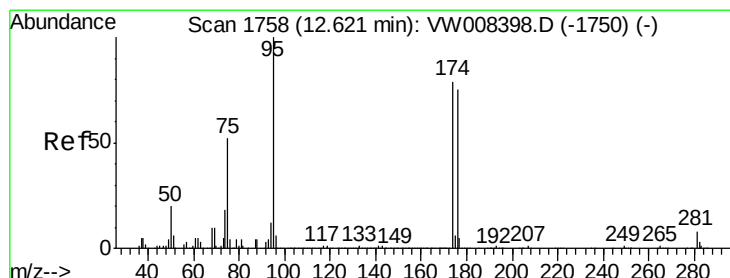
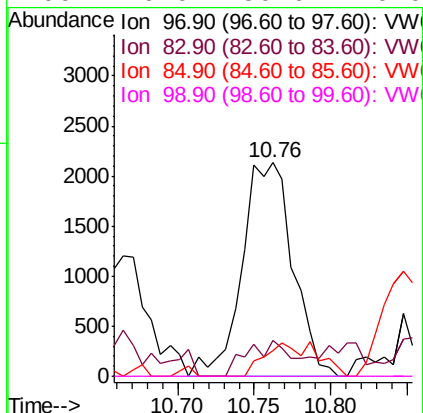
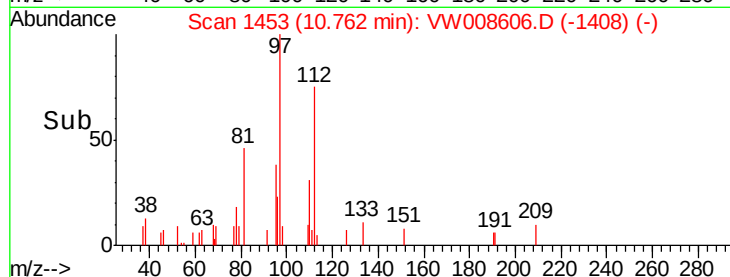
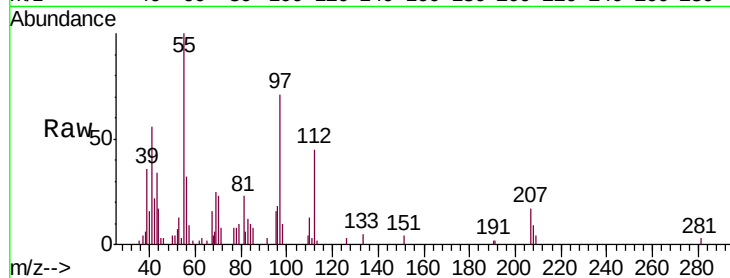
Ion Ratio Lower Upper

97 100

83 5.8 68.4 102.6#

85 7.6 45.3 67.9#

99 0.0 50.6 76.0#



#62

4-Bromofluorobenzene

Concen: 47.082 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

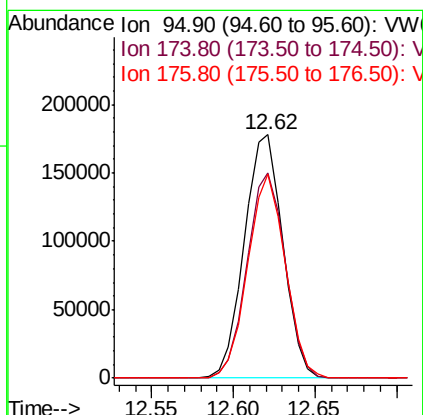
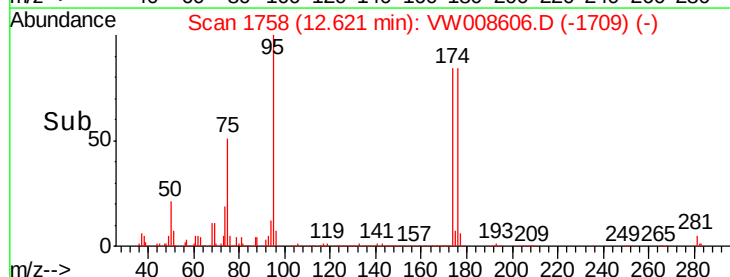
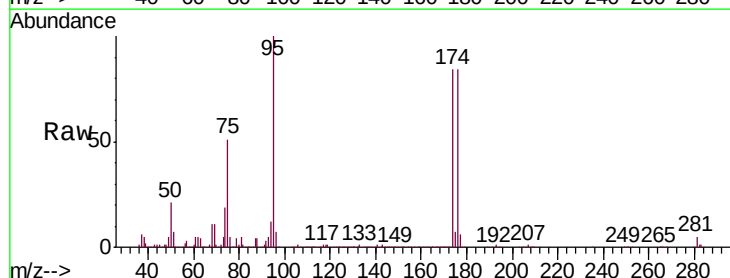
Tgt Ion: 95 Resp: 292769

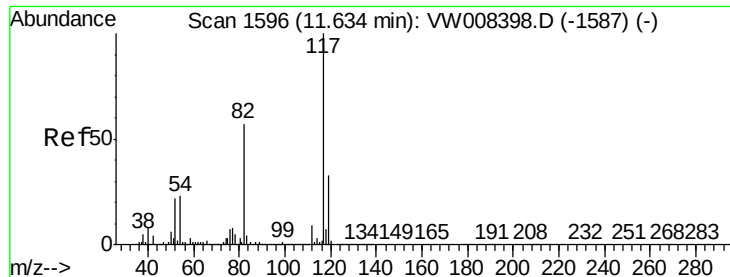
Ion Ratio Lower Upper

95 100

174 83.8 0.0 157.6

176 82.0 0.0 151.8

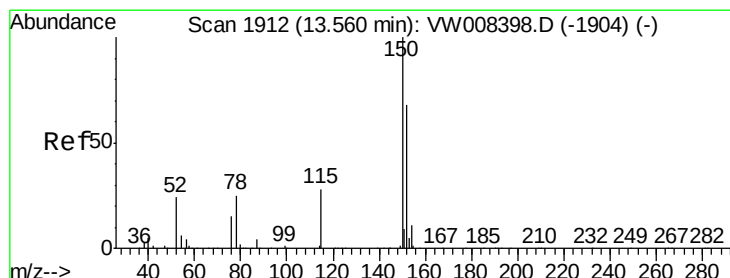
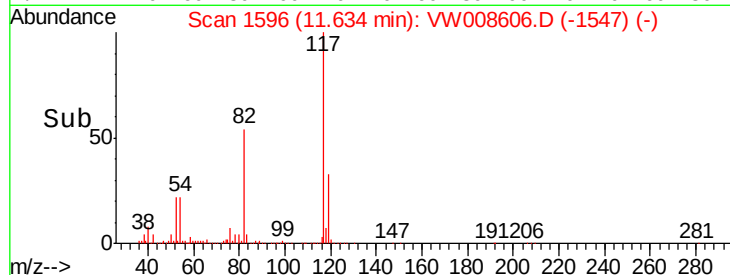
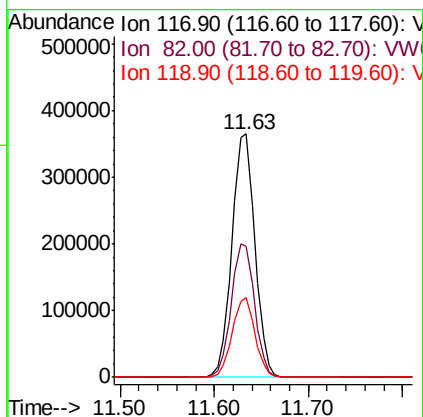
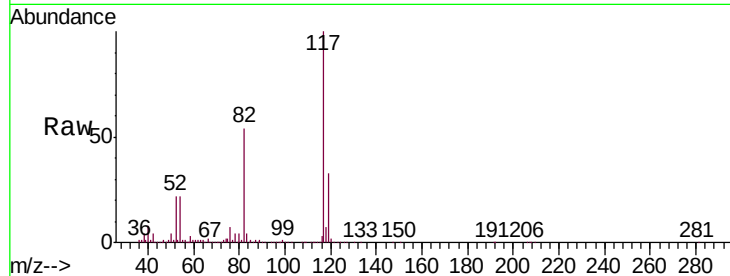




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

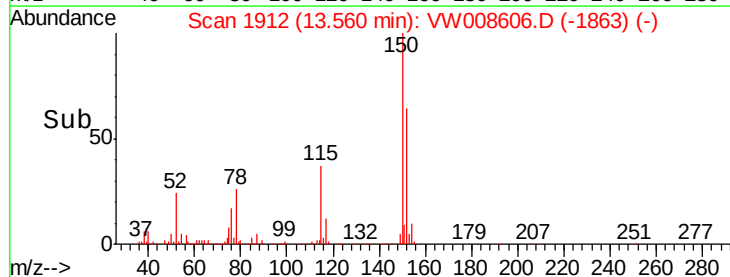
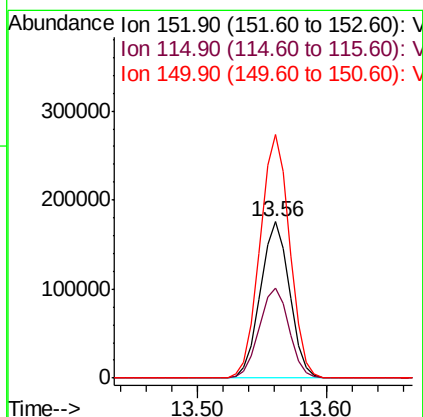
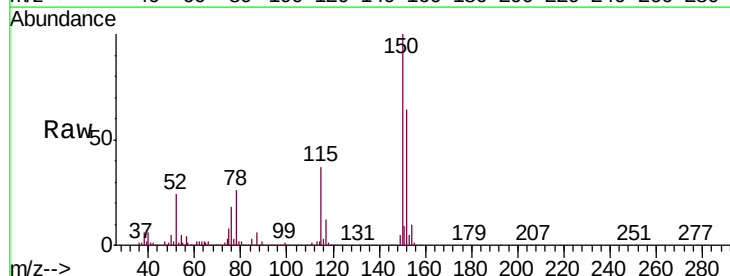
Instrument :
MSVOA_W
ClientSampleId :
SB-10(0-5)

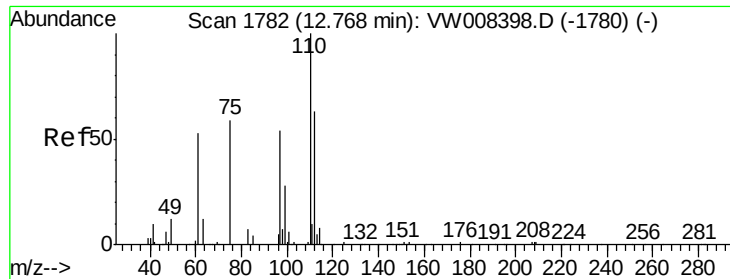
Tgt Ion:117 Resp: 617689
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008606.D
Acq: 11 Feb 2019 19:08

Tgt Ion:152 Resp: 274447
Ion Ratio Lower Upper
152 100
115 58.9 29.9 89.7
150 158.7 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 65.630 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

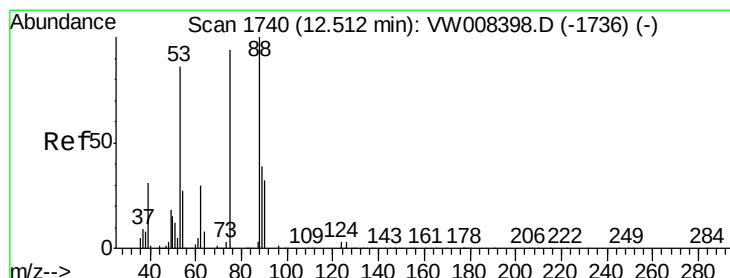
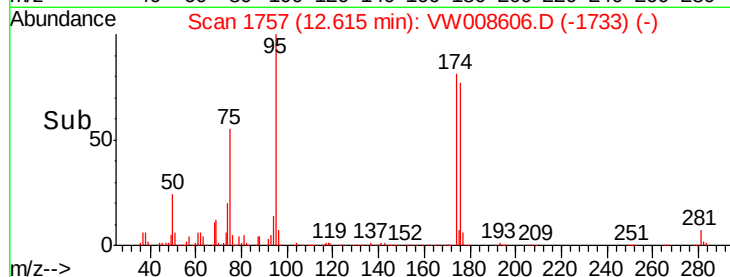
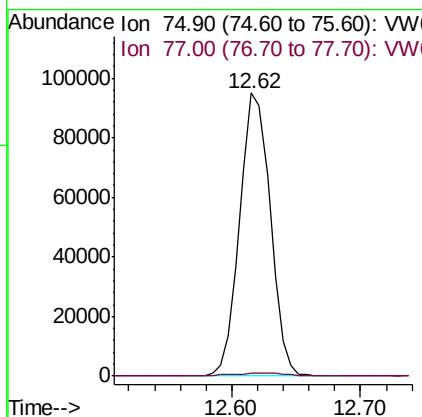
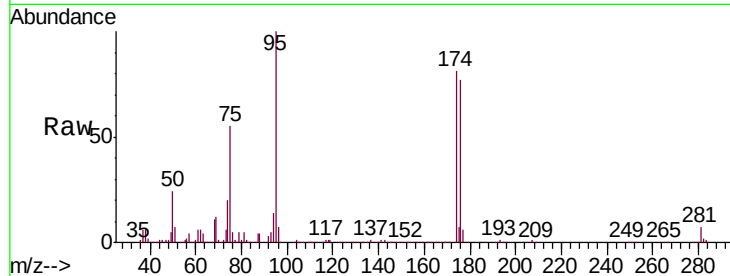
SB-10(0-5)

Tgt Ion: 75 Resp: 156601

Ion Ratio Lower Upper

75 100

77 1.9 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.624 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

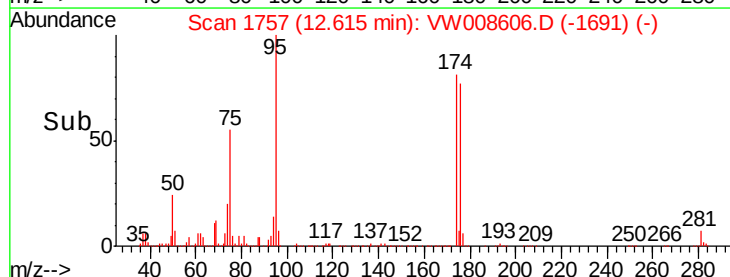
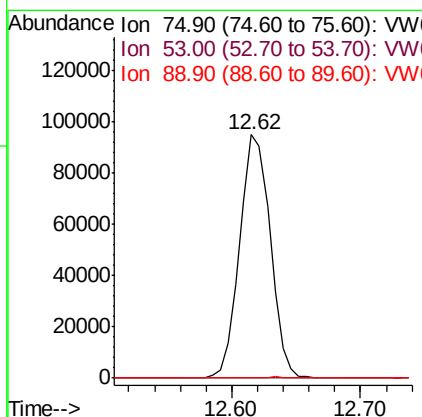
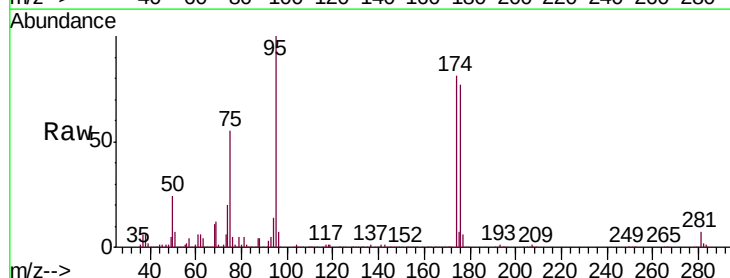
Tgt Ion: 75 Resp: 156601

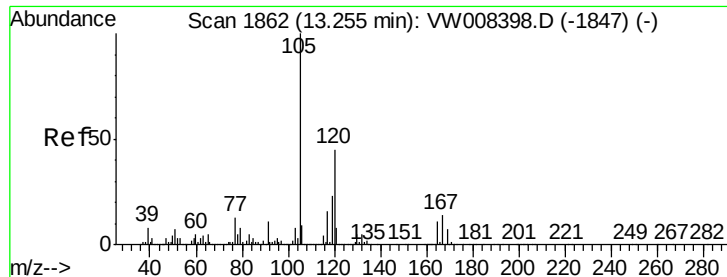
Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.1 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.331 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008606.D

Acq: 11 Feb 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

SB-10(0-5)

Tgt Ion:105 Resp: 23129

Ion Ratio Lower Upper

105 100

120 46.8 23.1 69.2

