

Data File : VW008602.D
Acq On : 11 Feb 2019 17:22
Operator : SY/VA
Sample : K1458-11
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-7

Quant Time: Feb 12 04:30:27 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	406027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	666545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	583685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	261612	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	237465	59.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.06%	
35) Dibromofluoromethane	7.88	113	212825	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.32	98	781610	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	279567	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

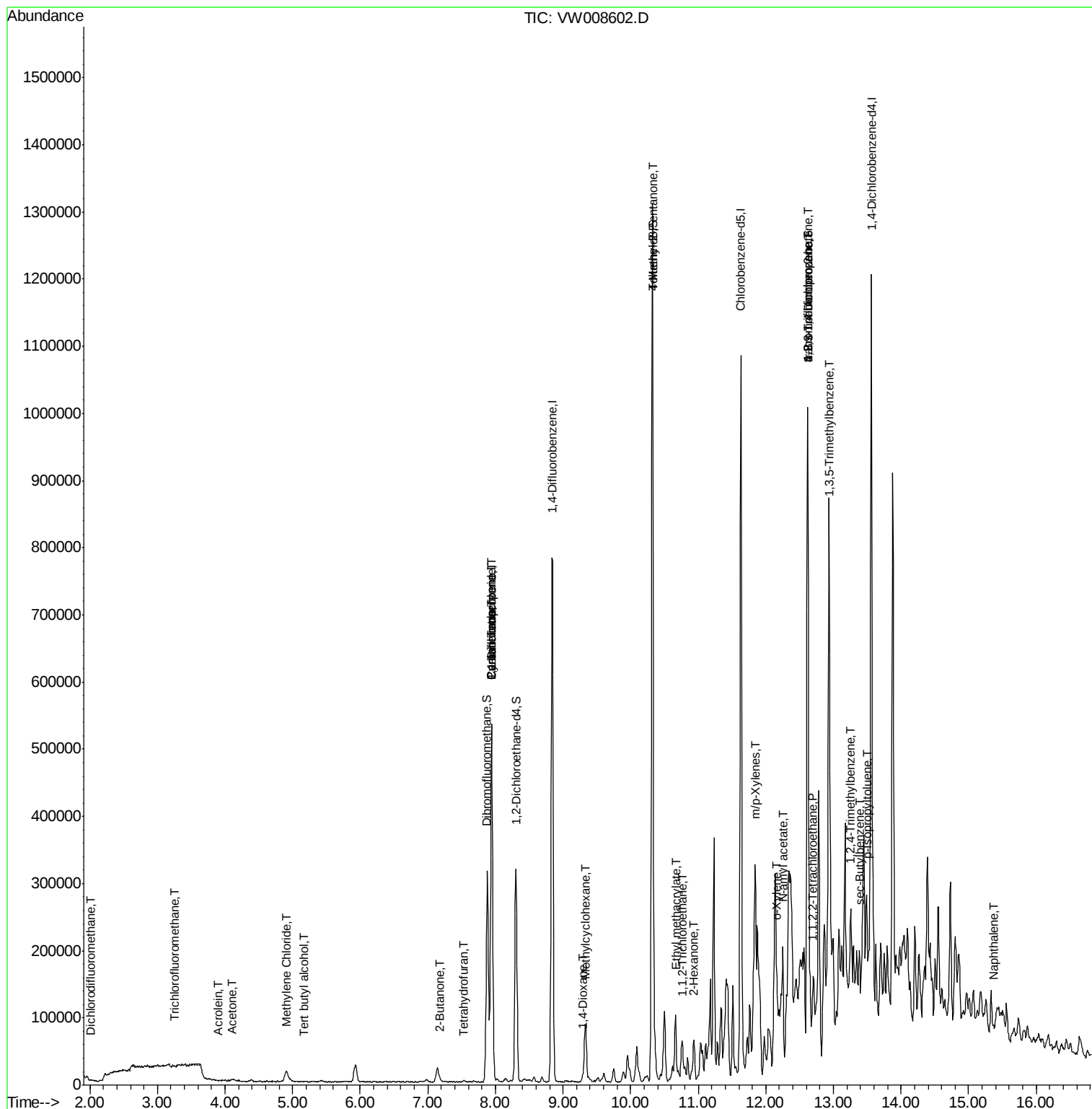
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	538	3.467	ug/l	86
7) Trichlorofluoromethane	3.26	101	189	4.771	ug/l #	51
11) Tert butyl alcohol	5.17	59	574	1.787	ug/l #	59
13) Acrolein	3.90	56	195	4.862	ug/l #	36
16) Acetone	4.11	43	6146	6.861	ug/l #	77
20) Methylene Chloride	4.92	84	12955	3.138	ug/l	87
25) 2-Butanone	7.18	43	2200	1.768	ug/l #	43
29) Tetrahydrofuran	7.52	42	1296	1.644	ug/l	93
31) Cyclohexane	7.94	56	11829	1.511	ug/l #	27
36) 1,1-Dichloropropene	7.94	75	30771	4.887	ug/l #	50
38) Carbon Tetrachloride	7.95	117	38586	6.090	ug/l #	18
39) Methylcyclohexane	9.34	83	36198	4.376	ug/l	97
49) 1,4-Dioxane	9.29	88	58	1.531	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	9677	3.385	ug/l #	37
55) 1,1,2-Trichloroethane	10.76	97	21756	7.000	ug/l #	21
56) Ethyl methacrylate	10.66	69	9851	2.262	ug/l #	1
59) 2-Hexanone	10.93	43	24343	12.061	ug/l #	29
68) m/p-Xylenes	11.84	106	16473	1.938	ug/l	96
69) o-Xylene	12.16	106	14775	1.830	ug/l	93
74) N-amyl acetate	12.25	43	45865	9.128	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.69	83	5115	1.657	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	143468	63.076	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	58293	3.576	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	143468	124.580	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	74168	4.476	ug/l	100
85) sec-Butylbenzene	13.38	105	21280	1.027	ug/l	80
86) p-Isopropyltoluene	13.50	119	21674	1.194	ug/l	97
95) Naphthalene	15.37	128	10940	1.147	ug/l #	94

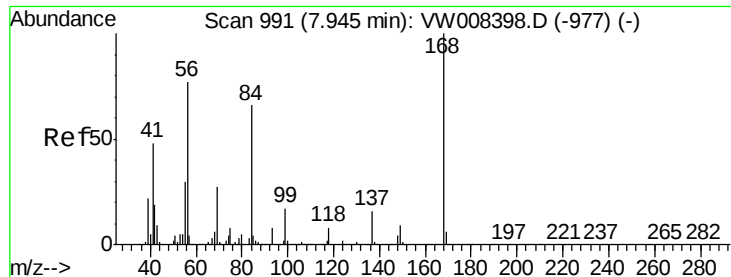
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008602.D

Acq: 11 Feb 2019 17:22

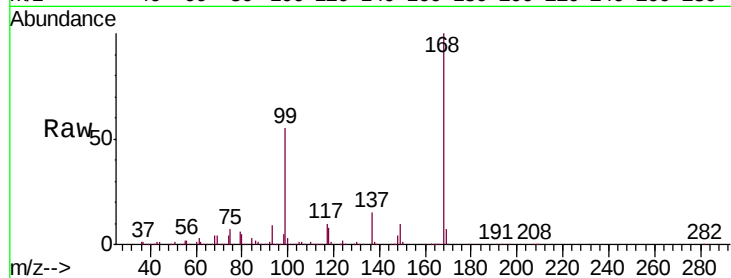
Instrument :
MSVOA_W
ClientSampled :
SB-7

Tgt Ion:168 Resp: 406027

Ion Ratio Lower Upper

168 100

99 55.5 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

200000

150000

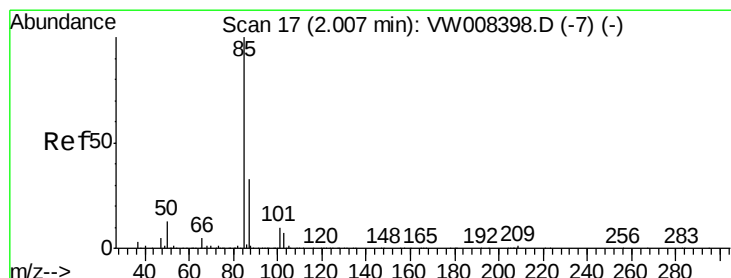
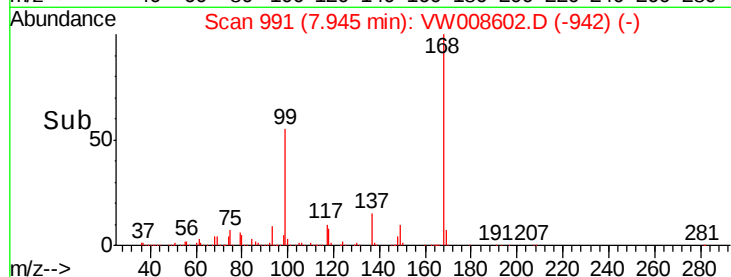
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.467 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008602.D

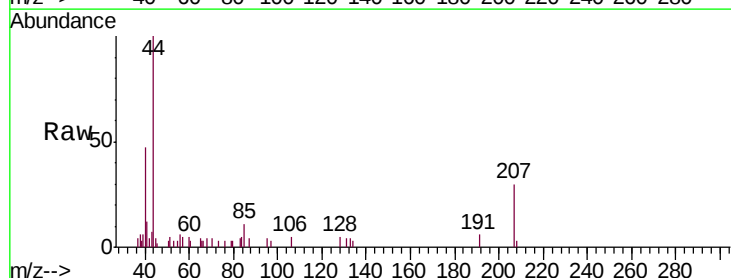
Acq: 11 Feb 2019 17:22

Tgt Ion: 85 Resp: 538

Ion Ratio Lower Upper

85 100

87 41.5 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

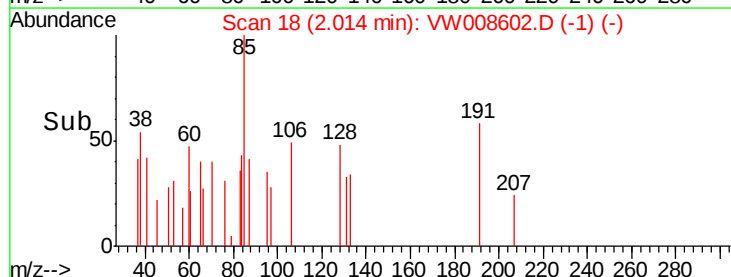
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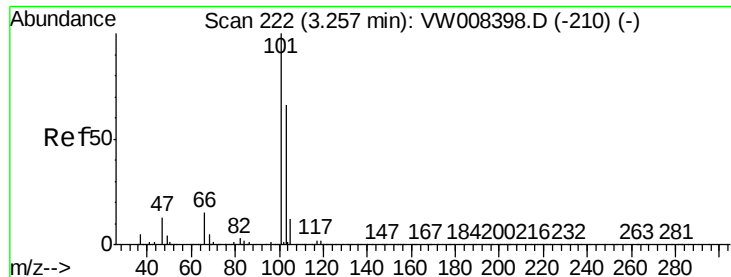
50

0

Time-->

1.95 2.00 2.05



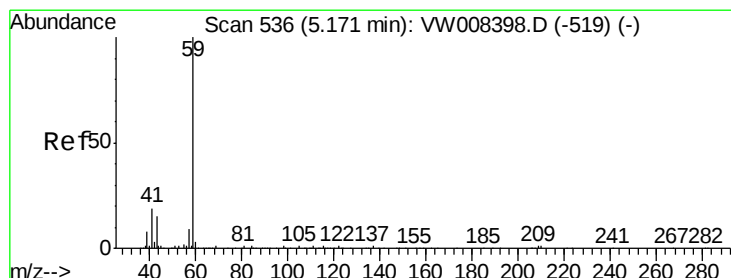
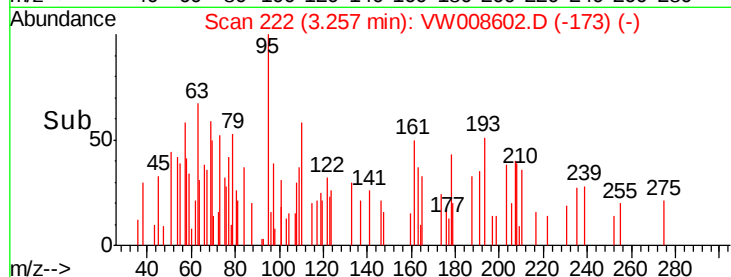
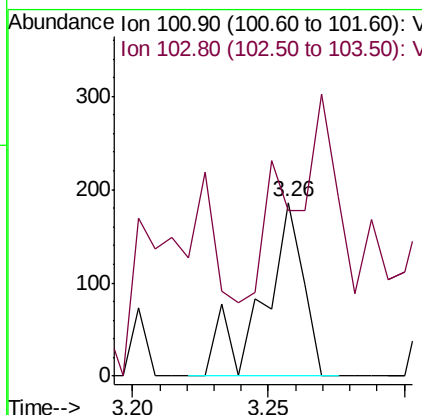
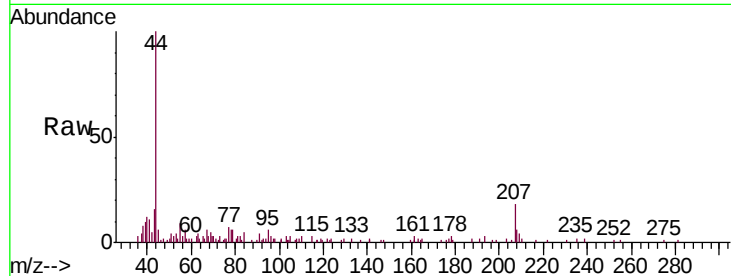


#7

Trichlorofluoromethane
 Concen: 4.771 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

Instrument :
 MSVOA_W
 ClientSampled :
 SB-7

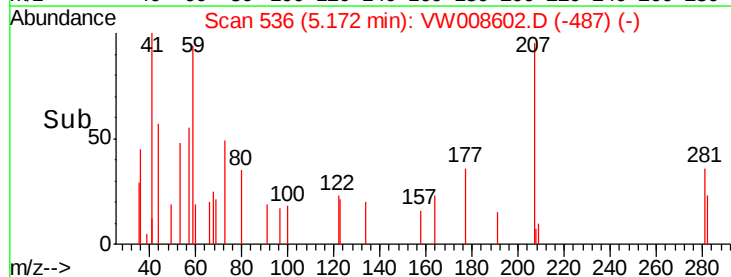
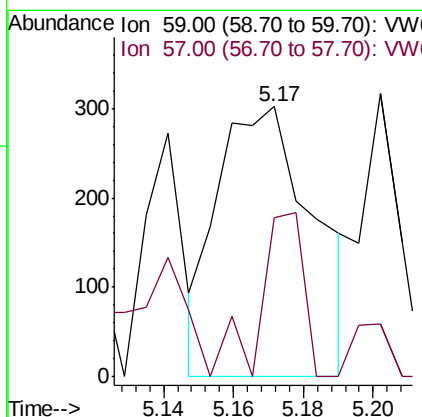
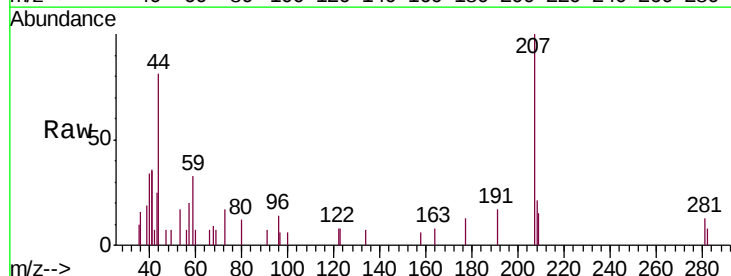
Tgt Ion: 101 Resp: 189
 Ion Ratio Lower Upper
 101 100
 103 26.9 52.5 78.7#

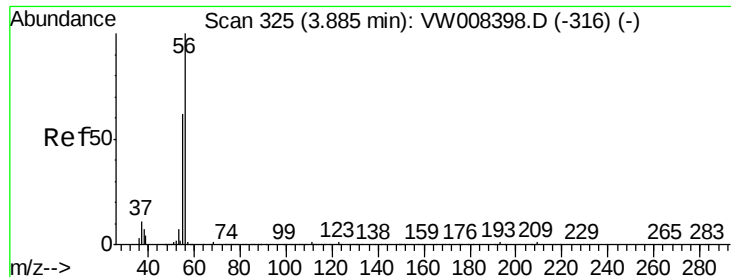


#11

Tert butyl alcohol
 Concen: 1.787 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

Tgt Ion: 59 Resp: 574
 Ion Ratio Lower Upper
 59 100
 57 27.4 9.3 13.9#





#13

Acrolein

Concen: 4.862 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008602.D

Acq: 11 Feb 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

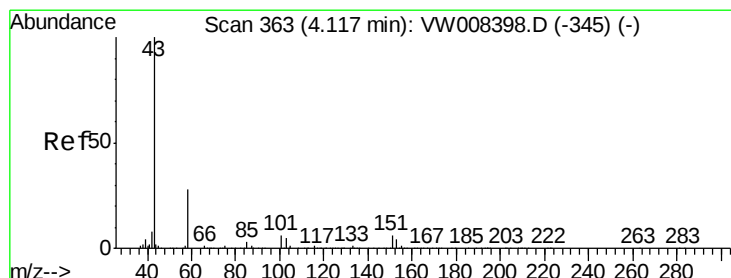
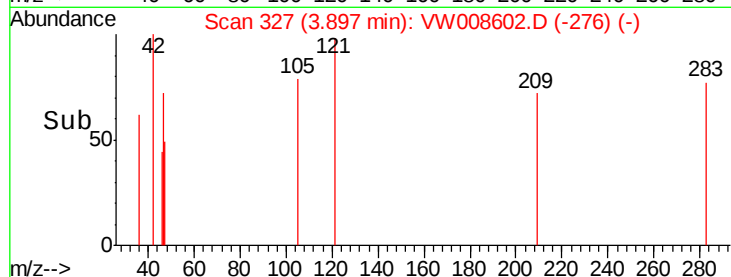
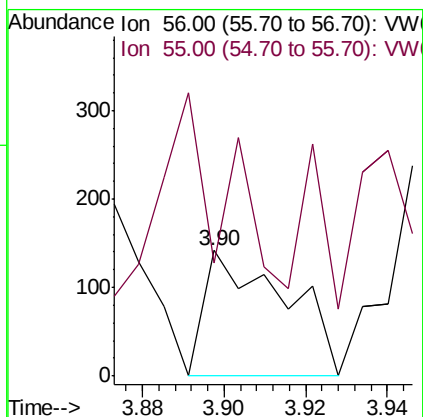
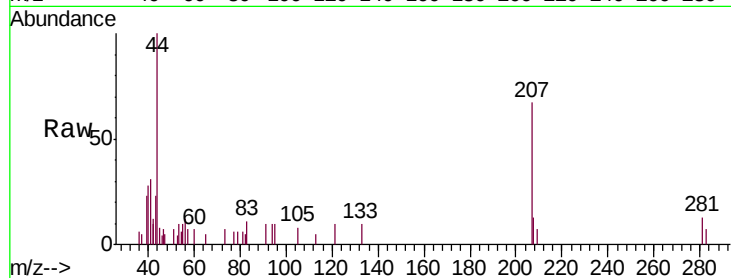
SB-7

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 123.6 56.7 85.1#



#16

Acetone

Concen: 6.861 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008602.D

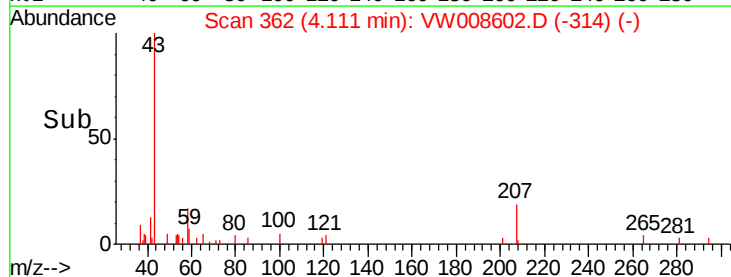
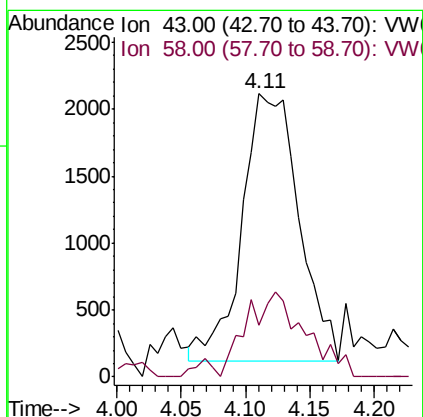
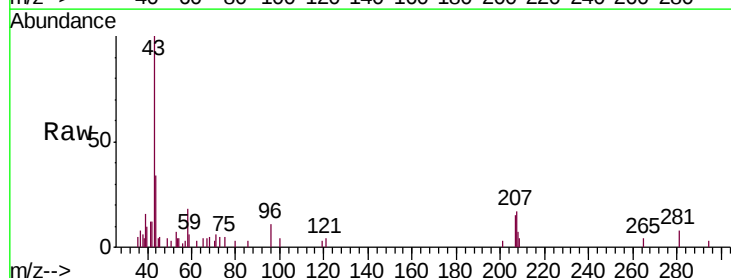
Acq: 11 Feb 2019 17:22

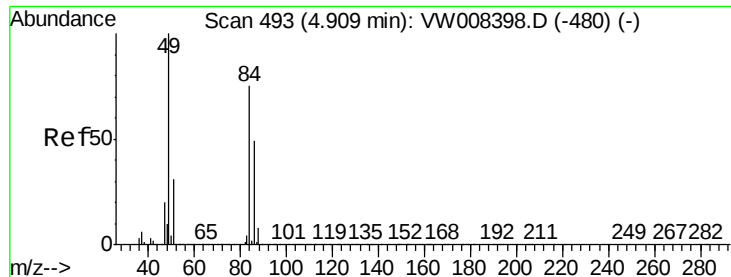
Tgt Ion: 43 Resp: 6146

Ion Ratio Lower Upper

43 100

58 16.1 22.6 34.0#

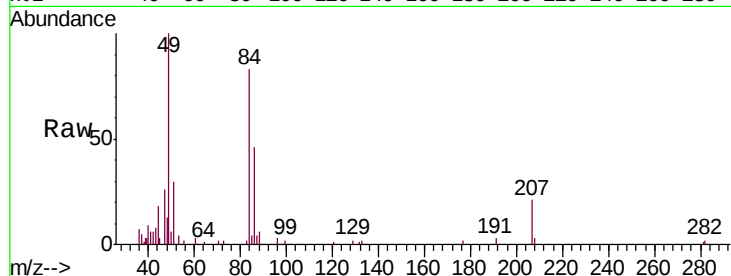




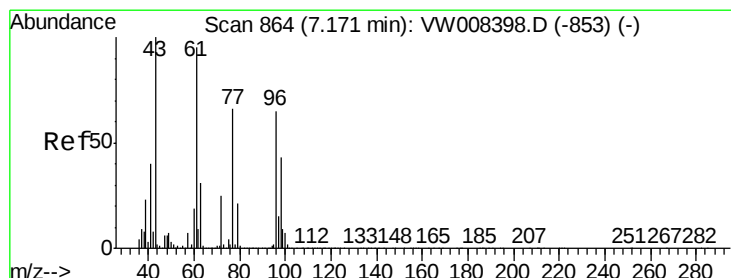
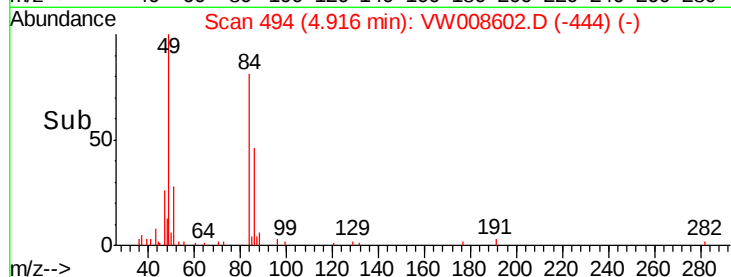
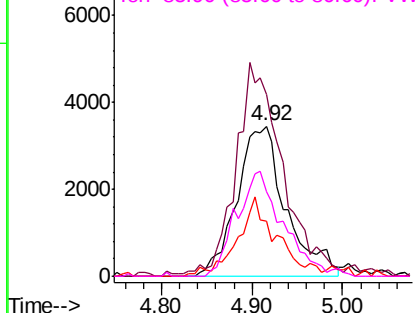
#20
Methylene Chloride
Concen: 3.138 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Instrument :
MSVOA_W
ClientSampled :
SB-7

Tgt Ion:	84	Resp:	12955
Ion	Ratio	Lower	Upper
84	100		
49	117.1	106.8	160.2
51	34.9	32.9	49.3
86	56.1	52.2	78.2

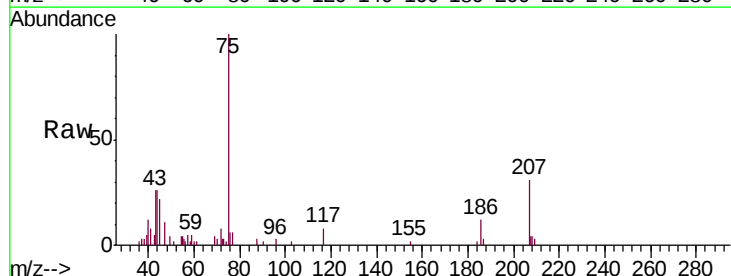


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

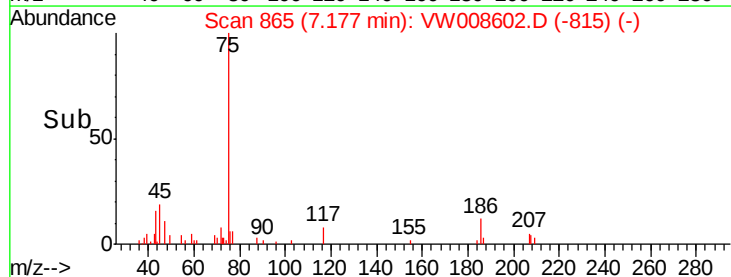
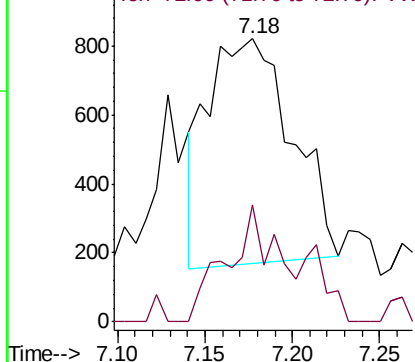


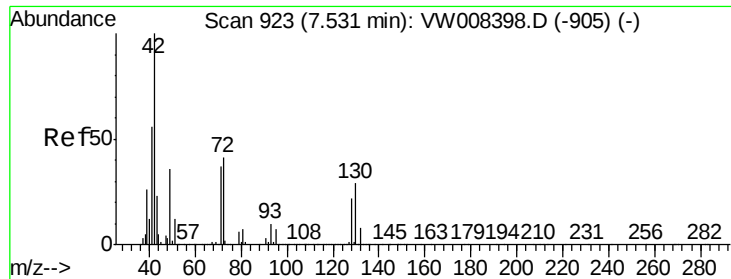
#25
2-Butanone
Concen: 1.768 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Tgt Ion:	43	Resp:	2200
Ion	Ratio	Lower	Upper
43	100		
72	53.6	20.1	30.1#



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

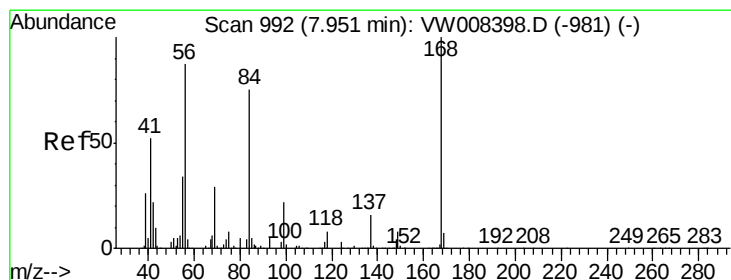
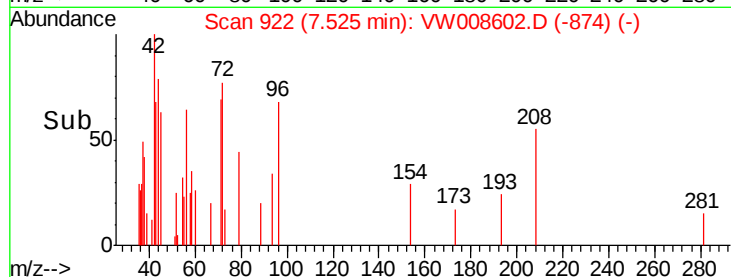
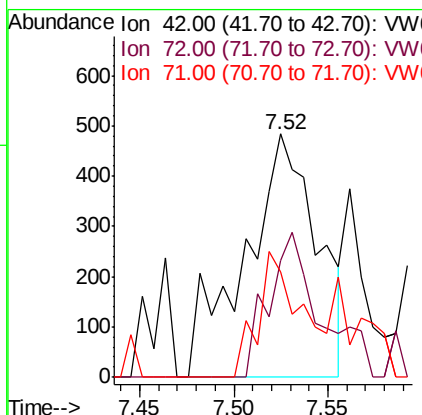
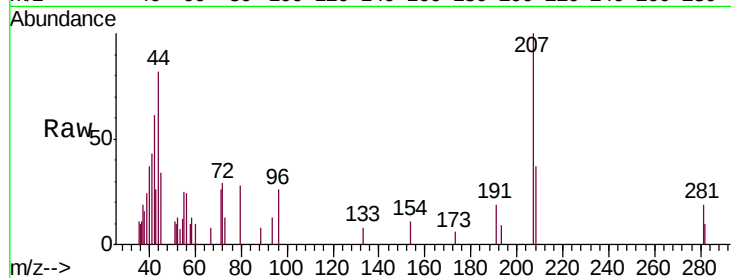




#29
Tetrahydrofuran
Concen: 1.644 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

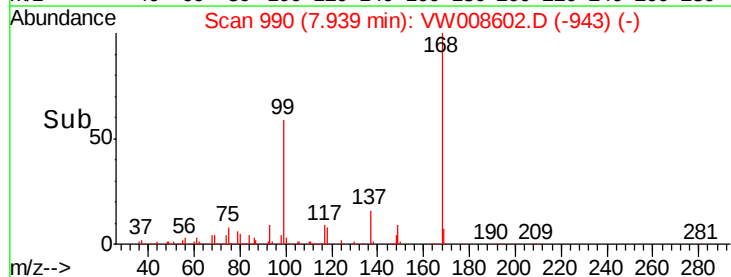
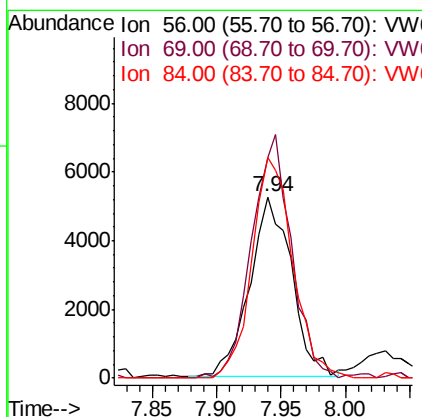
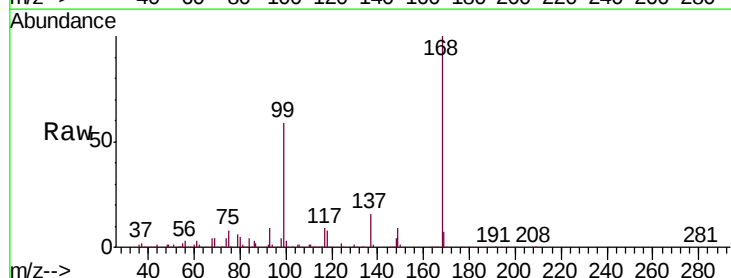
Instrument :
MSVOA_W
ClientSampled :
SB-7

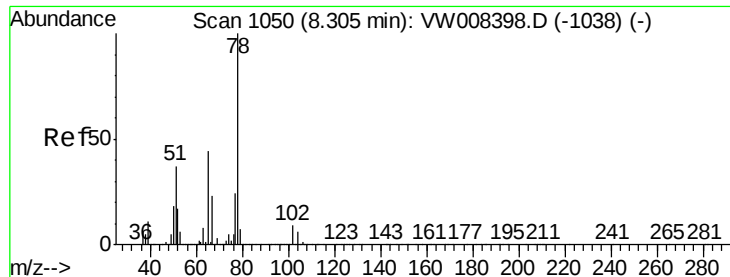
Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.2	31.9	47.9
71	30.9	29.9	44.9



#31
Cyclohexane
Concen: 1.511 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
56	100		
69	122.9	26.4	39.6#
84	123.1	69.1	103.7#

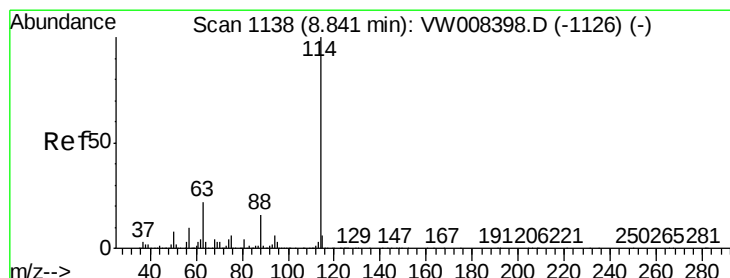
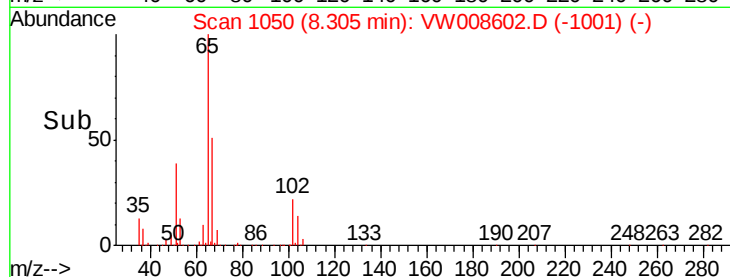
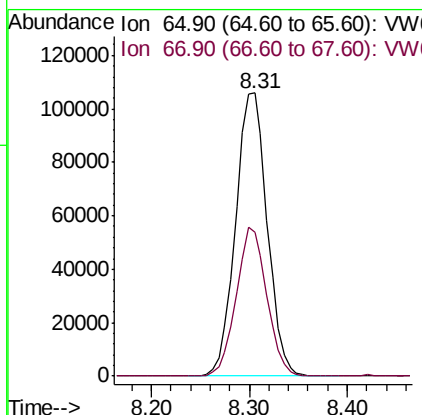
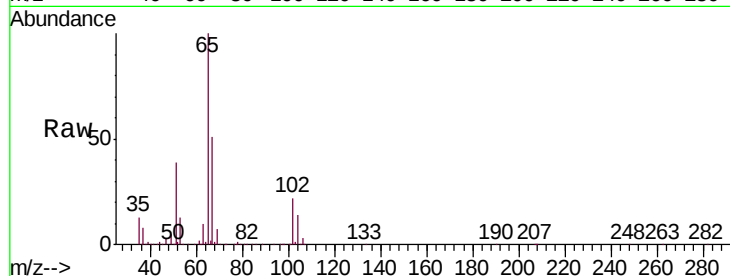




#33
 1,2-Dichloroethane-d4
 Concen: 59.532 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

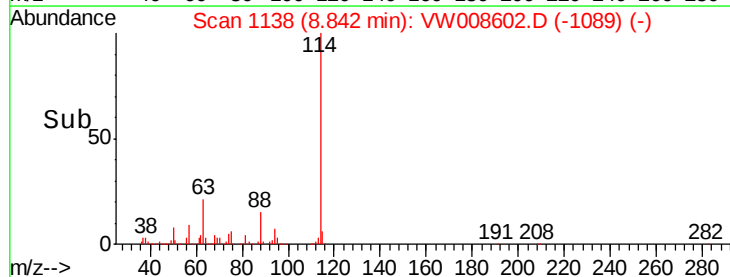
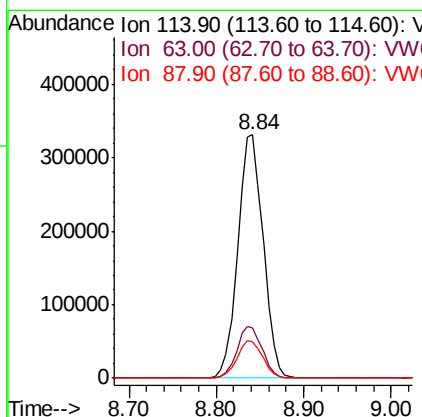
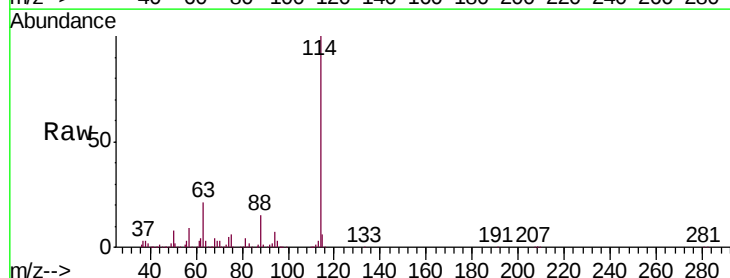
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-7

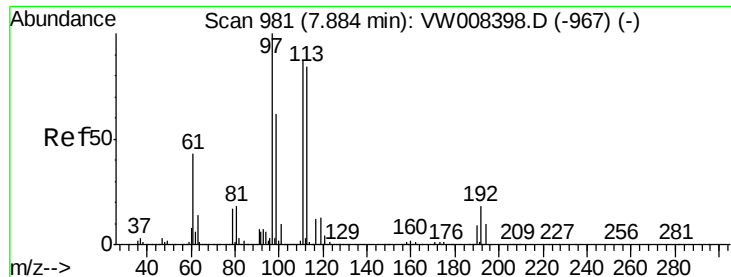
Tgt Ion: 65 Resp: 237465
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

Tgt Ion: 114 Resp: 666545
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.6
 88 14.7 0.0 31.8

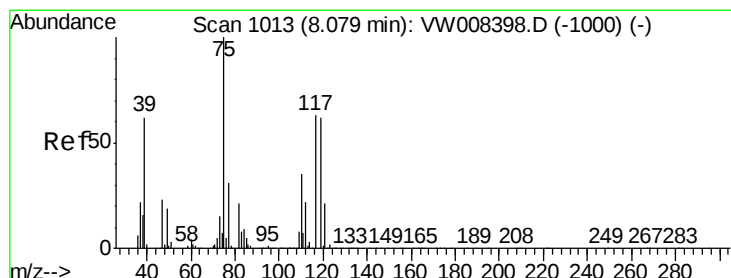
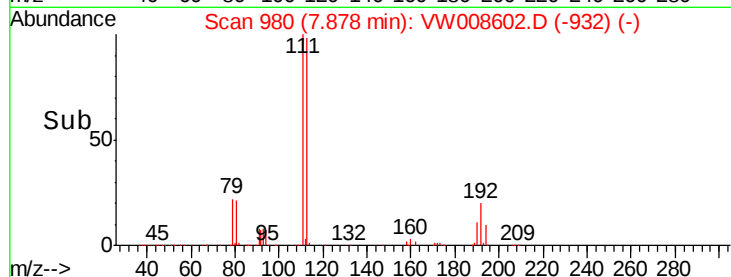
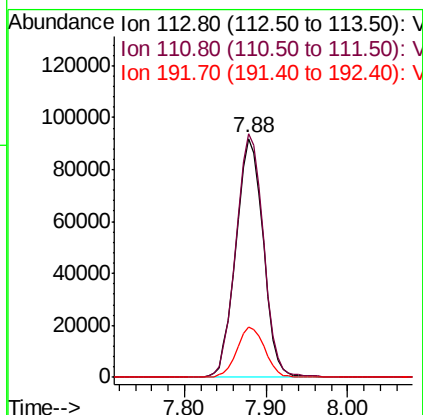
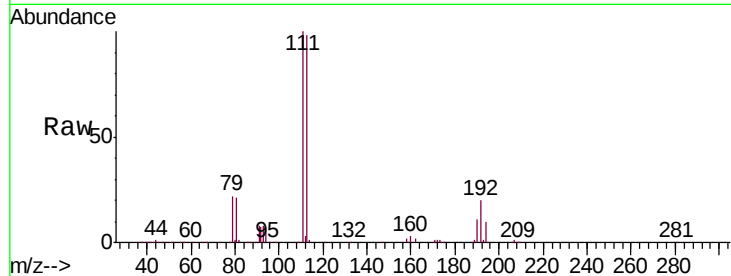




#35
 Dibromofluoromethane
 Concen: 54.605 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

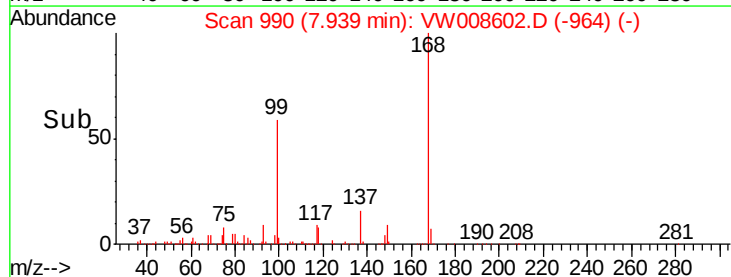
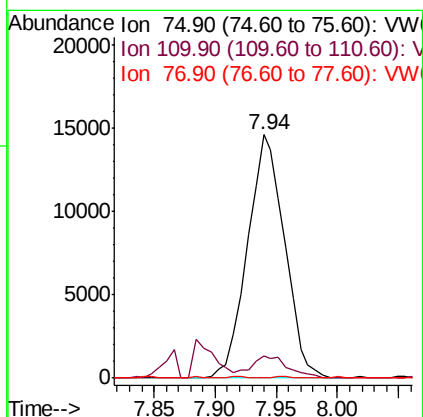
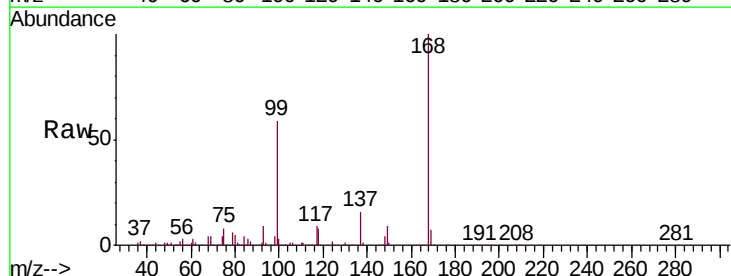
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-7

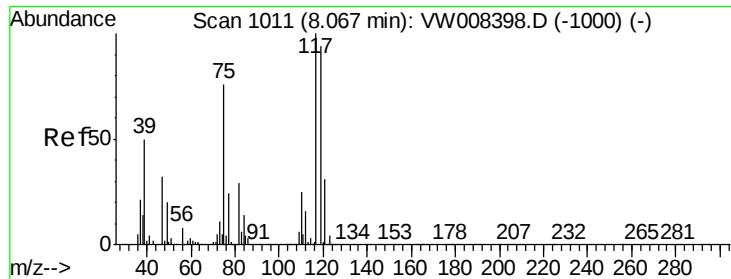
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	21.4	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008602.D
 Acq: 11 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.3	52.0#
77	0.2	24.7	37.1#

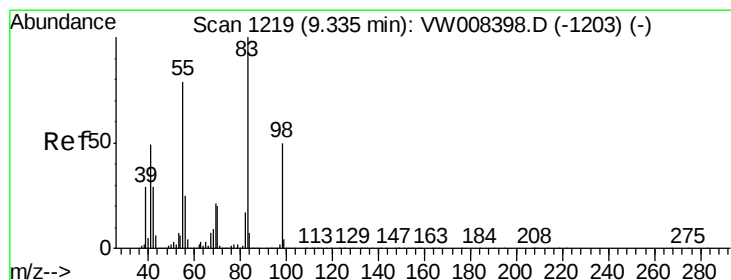
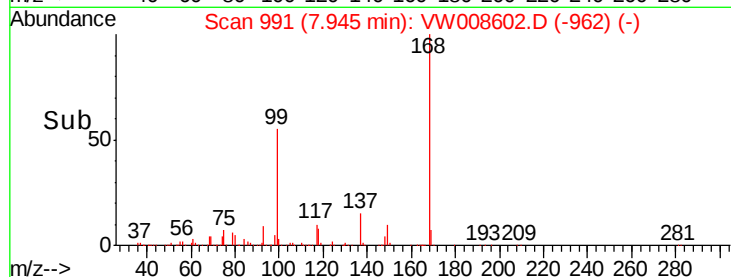
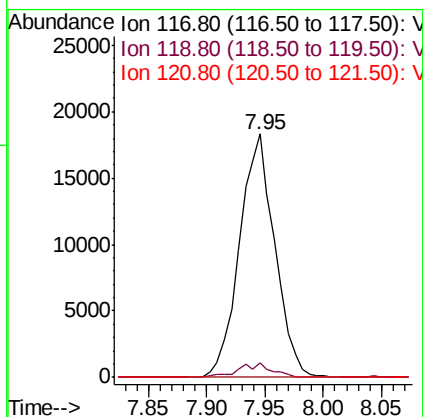
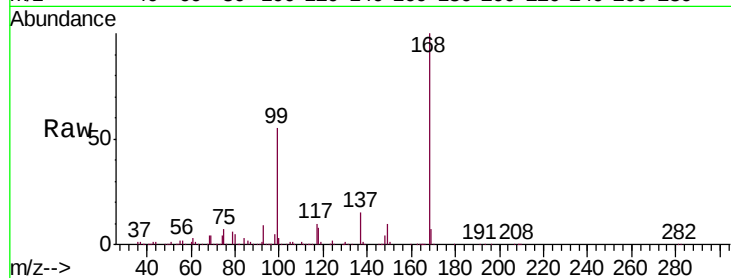




#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

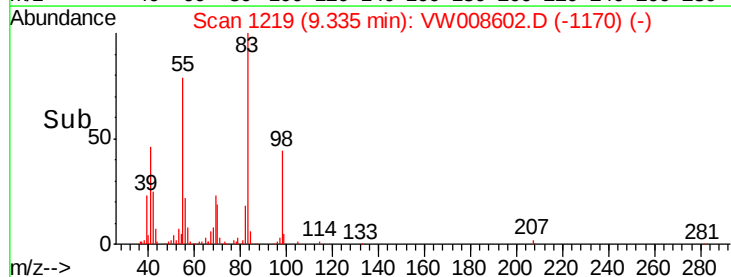
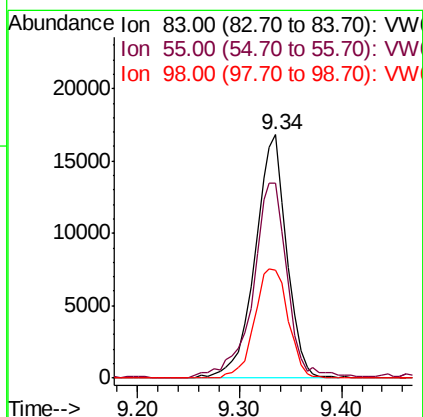
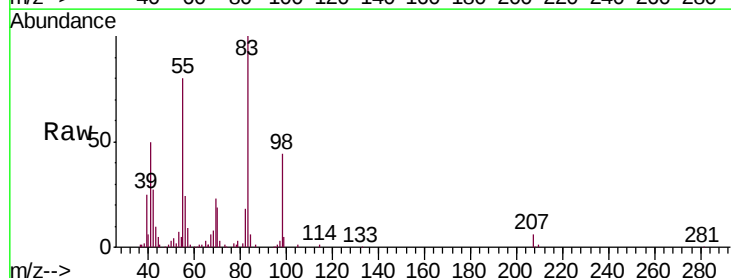
Instrument :
MSVOA_W
ClientSampled :
SB-7

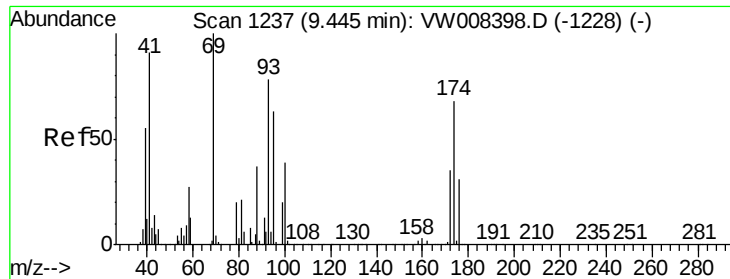
Tgt Ion: 117 Resp: 38586
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.4#
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 4.376 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Tgt Ion: 83 Resp: 36198
Ion Ratio Lower Upper
83 100
55 79.6 63.3 94.9
98 44.2 39.7 59.5

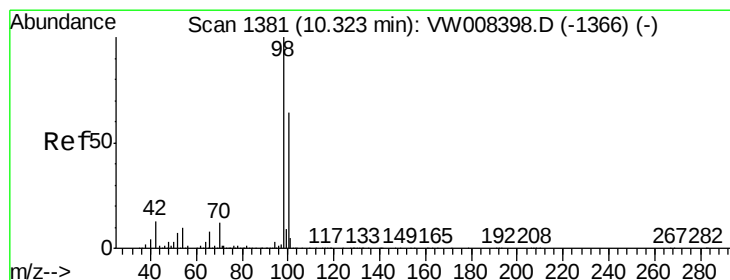
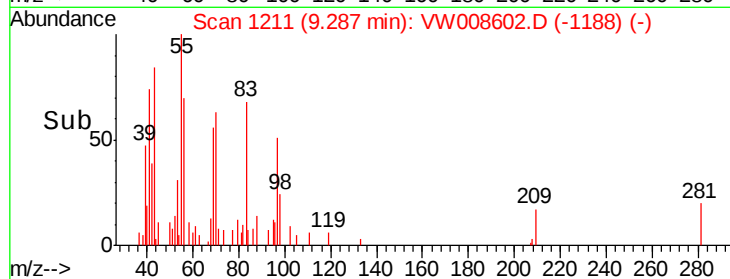
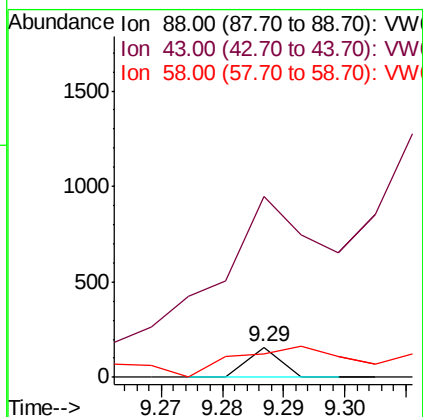
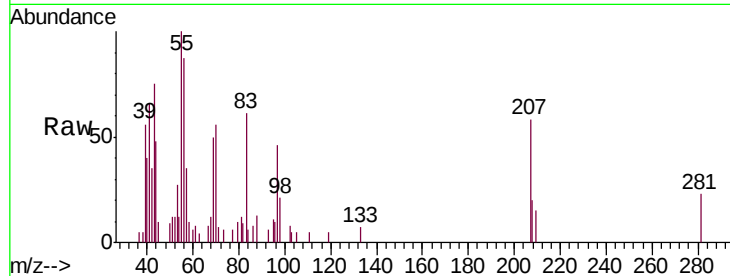




#49
1,4-Dioxane
Concen: 1.531 ug/l
RT: 9.29 min Scan# 1211
Delta R.T. -0.16 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Instrument :
MSVOA_W
ClientSampleId :
SB-7

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 2351.7 29.0 43.4#
58 444.8 56.4 84.6#



#50
Toluene-d8
Concen: 50.010 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008602.D
Acq: 11 Feb 2019 17:22

Tgt Ion: 98 Resp: 781610
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

