

Data File : VW008590.D
Acq On : 11 Feb 2019 11:52
Operator : SY/VA
Sample : VW0211SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBL01

Quant Time: Feb 12 04:25:58 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	453009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	739044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	674879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	332206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	240271	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.88	113	229436	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.32	98	879318	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	328890	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

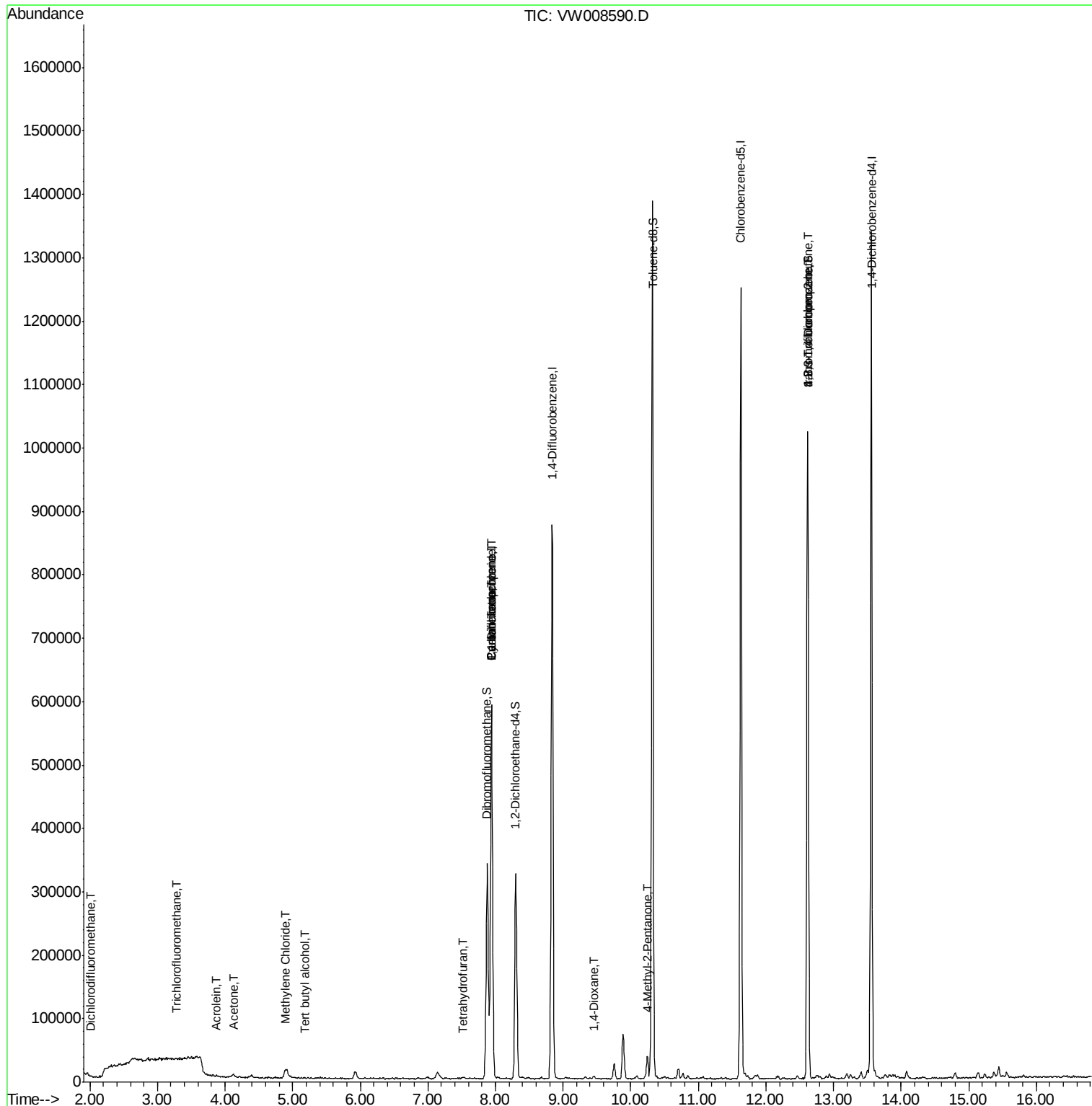
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	1046	3.626	ug/l #	41
7) Trichlorofluoromethane	3.28	101	131	4.754	ug/l #	43
11) Tert butyl alcohol	5.18	59	1439	4.016	ug/l #	84
13) Acrolein	3.87	56	219	4.867	ug/l #	14
16) Acetone	4.13	43	7770	7.775	ug/l #	88
20) Methylene Chloride	4.90	84	11818	2.566	ug/l #	93
29) Tetrahydrofuran	7.52	42	1114	1.266	ug/l #	65
31) Cyclohexane	7.94	56	10896	1.248	ug/l #	6
36) 1,1-Dichloropropene	7.94	75	34018	4.873	ug/l #	51
38) Carbon Tetrachloride	7.94	117	44310	6.307	ug/l #	17
49) 1,4-Dioxane	9.45	88	413	9.835	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	5416	1.708	ug/l #	87
76) 1,2,3-Trichloropropane	12.62	75	170672	59.091	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	170672	116.709	ug/l #	12

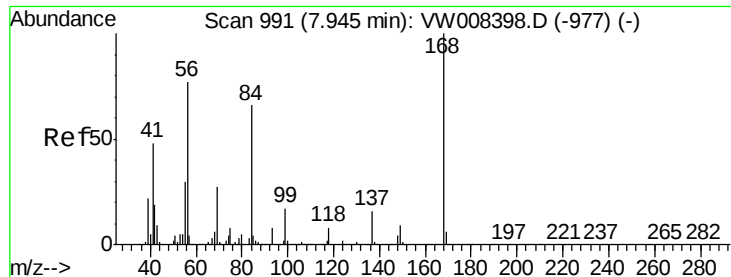
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008590.D

Acq: 11 Feb 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

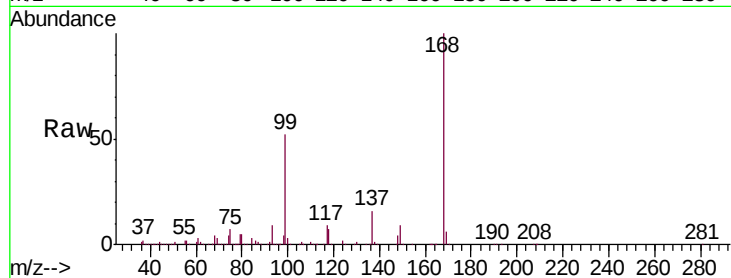
VW0211SBL01

Tgt Ion: 168 Resp: 453009

Ion Ratio Lower Upper

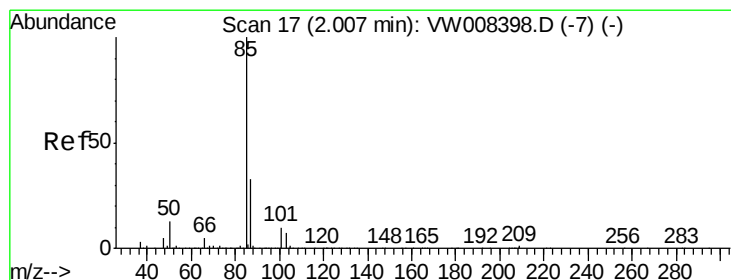
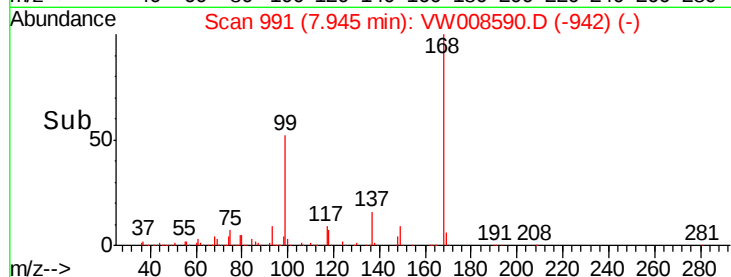
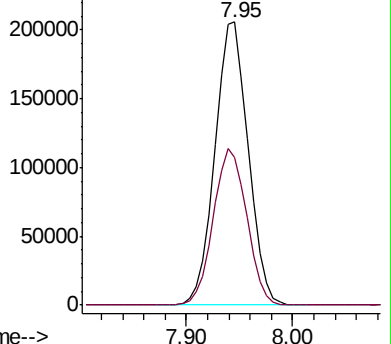
168 100

99 52.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.626 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008590.D

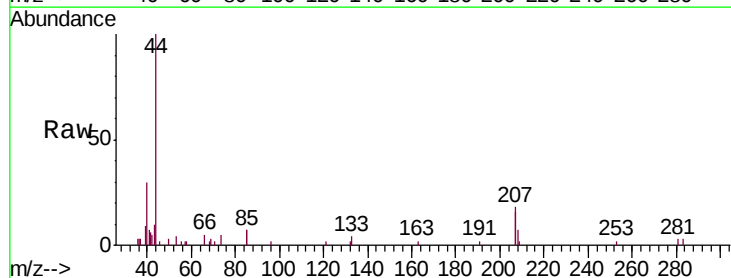
Acq: 11 Feb 2019 11:52

Tgt Ion: 85 Resp: 1046

Ion Ratio Lower Upper

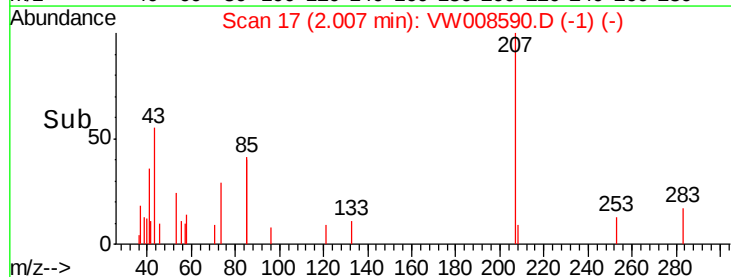
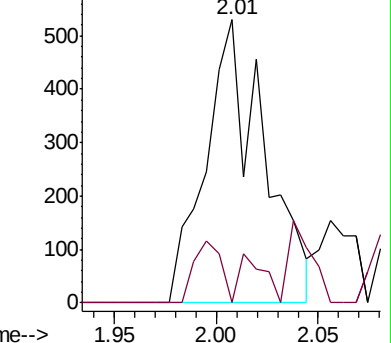
85 100

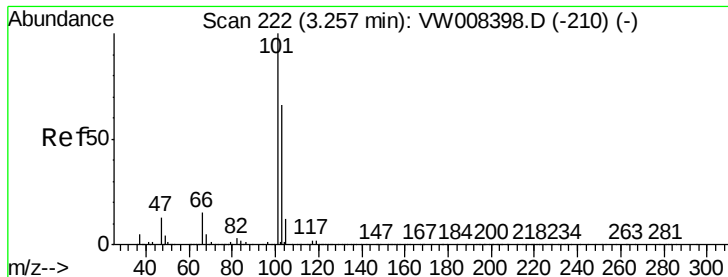
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



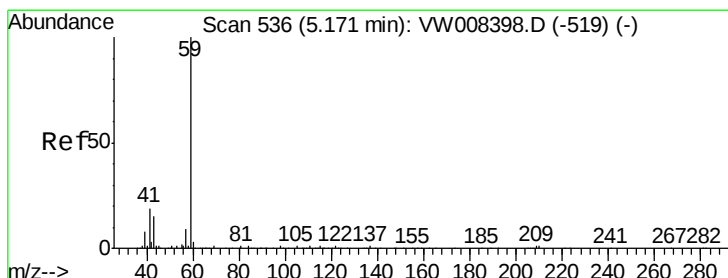
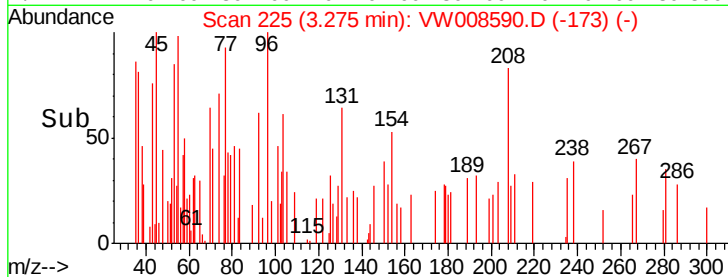
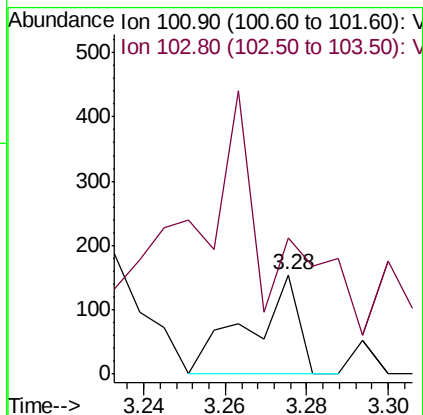
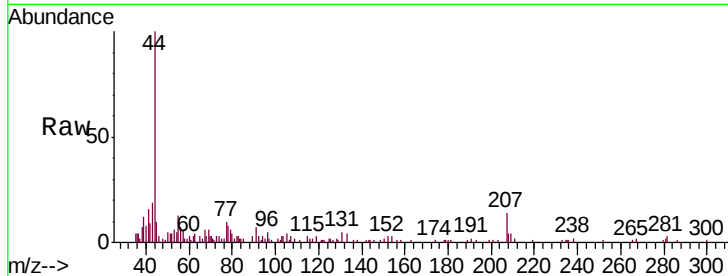


#7

Trichlorofluoromethane
 Concen: 4.754 ug/l
 RT: 3.28 min Scan# 225
 Delta R.T. 0.02 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBL01

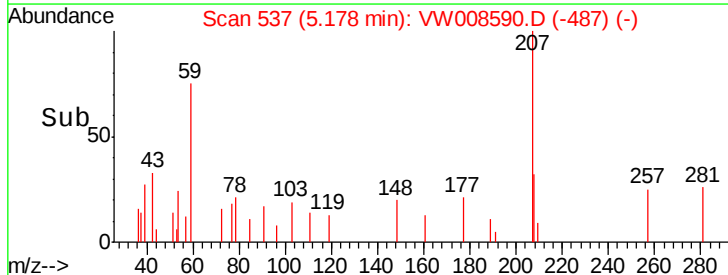
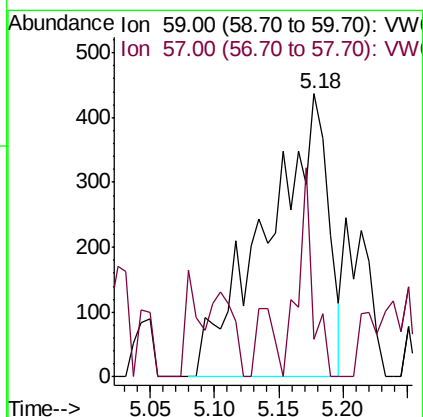
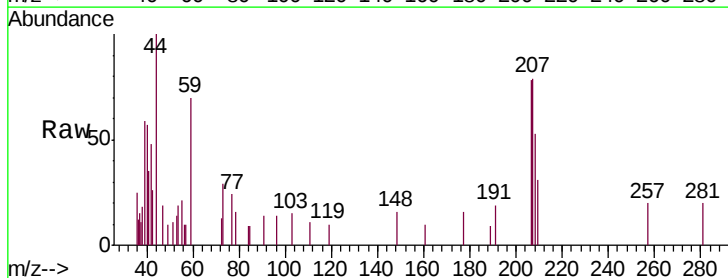
Tgt Ion: 101 Resp: 131
 Ion Ratio Lower Upper
 101 100
 103 20.6 52.5 78.7#

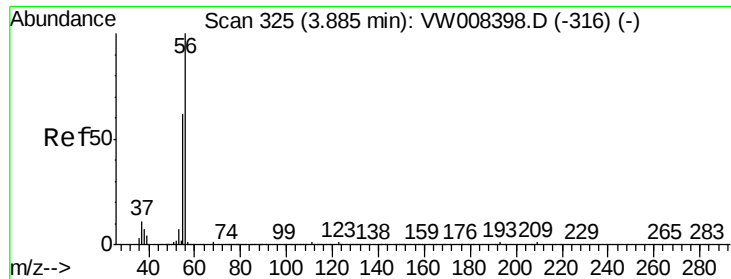


#11

Tert butyl alcohol
 Concen: 4.016 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion: 59 Resp: 1439
 Ion Ratio Lower Upper
 59 100
 57 17.9 9.3 13.9#





#13

Acrolein

Concen: 4.867 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008590.D

Acq: 11 Feb 2019 11:52

Instrument :

MSVOA_W

ClientSampled :

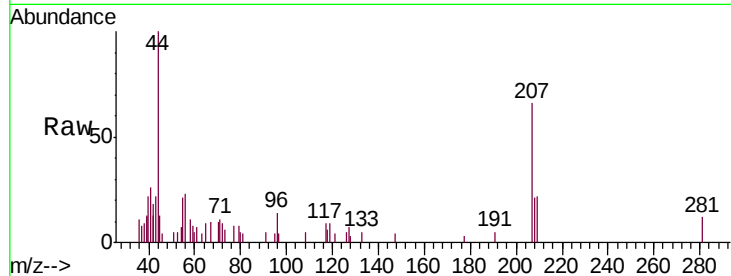
VW0211SBL01

Tgt Ion: 56 Resp: 219

Ion Ratio Lower Upper

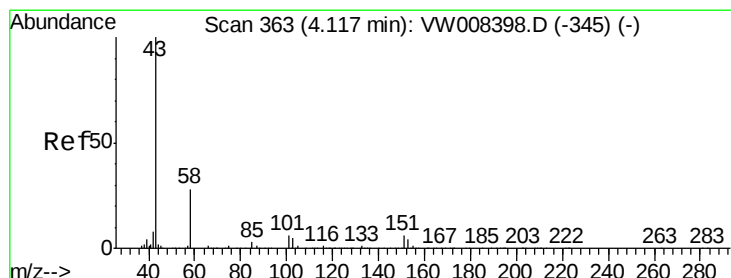
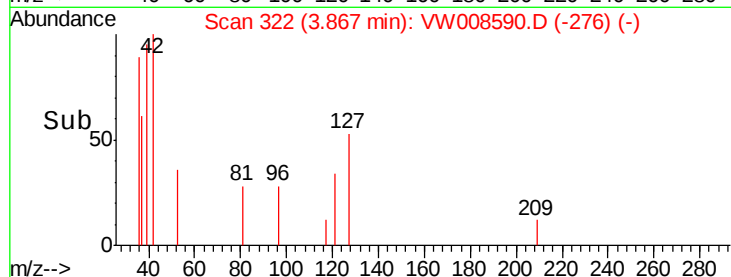
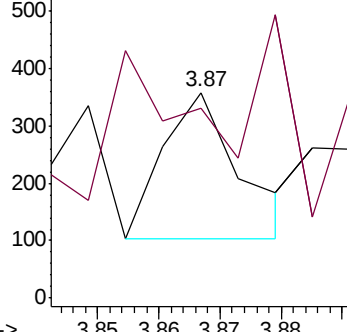
56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 7.775 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008590.D

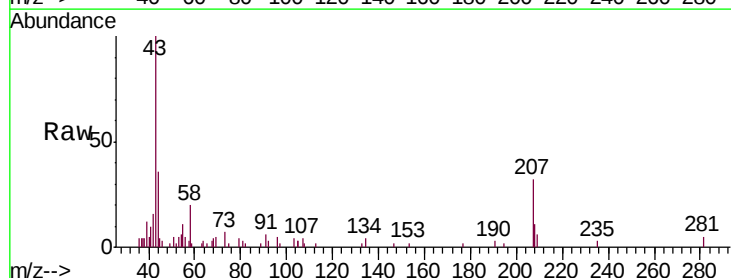
Acq: 11 Feb 2019 11:52

Tgt Ion: 43 Resp: 7770

Ion Ratio Lower Upper

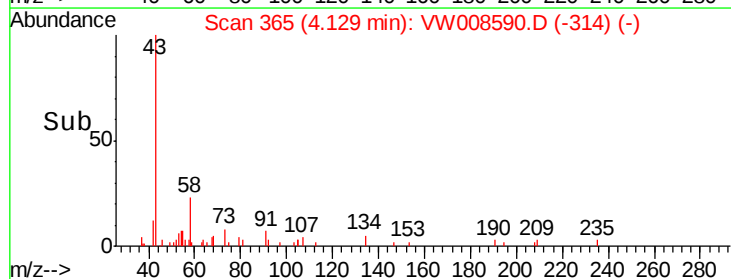
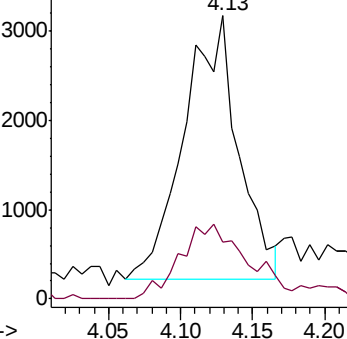
43 100

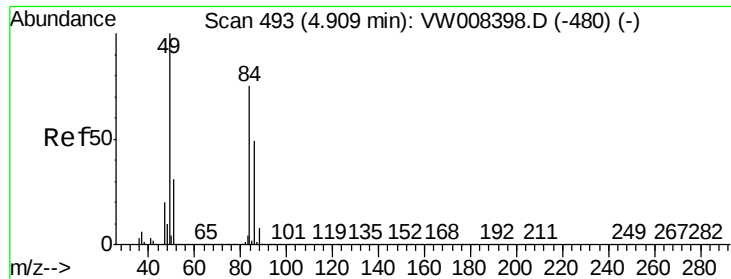
58 21.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

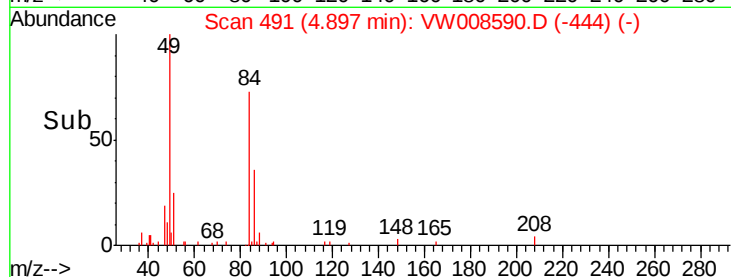
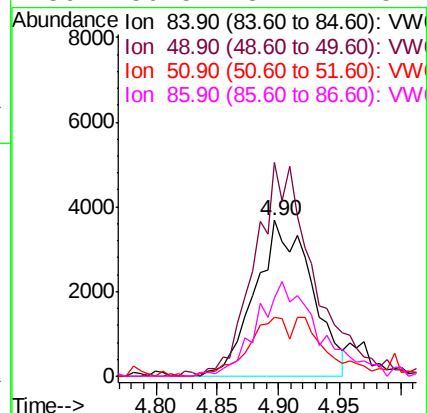
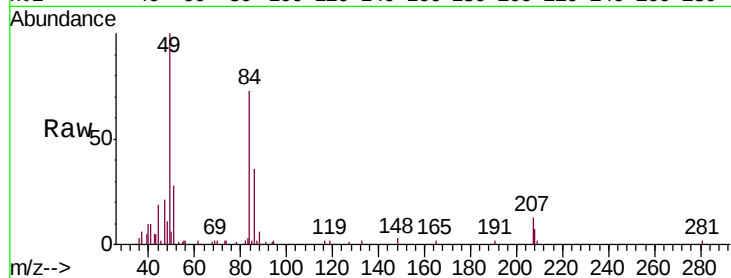




#20
Methylene Chloride
Concen: 2.566 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008590.D
Acq: 11 Feb 2019 11:52

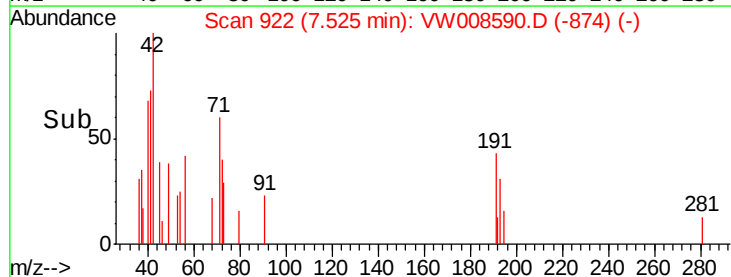
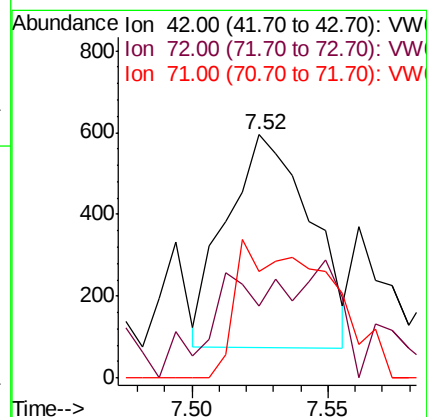
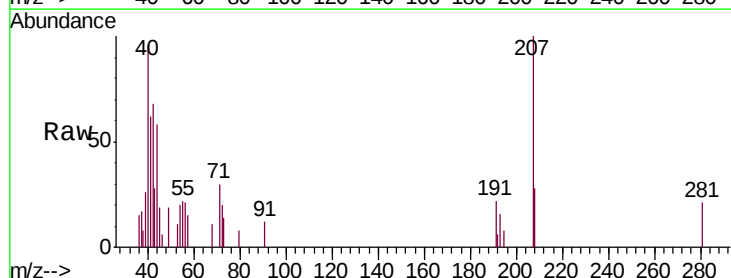
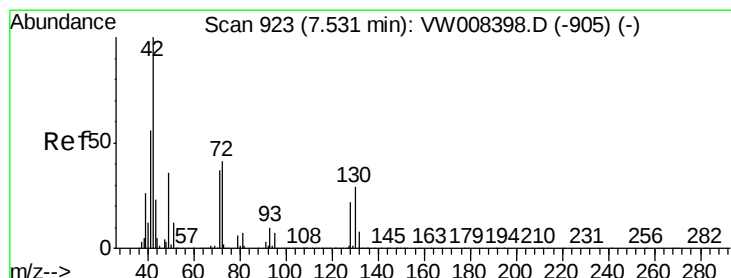
Instrument :
MSVOA_W
ClientSampleId :
VW0211SBL01

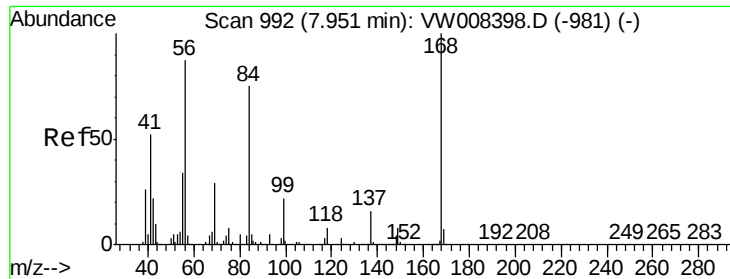
Tgt Ion:	84	Resp:	11818
Ion	Ratio	Lower	Upper
84	100		
49	136.7	106.8	160.2
51	38.7	32.9	49.3
86	50.5	52.2	78.2#



#29
Tetrahydrofuran
Concen: 1.266 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008590.D
Acq: 11 Feb 2019 11:52

Tgt Ion:	42	Resp:	1114
Ion	Ratio	Lower	Upper
42	100		
72	30.4	31.9	47.9#
71	71.5	29.9	44.9#

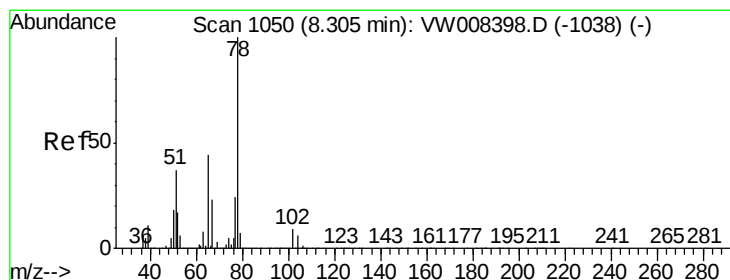
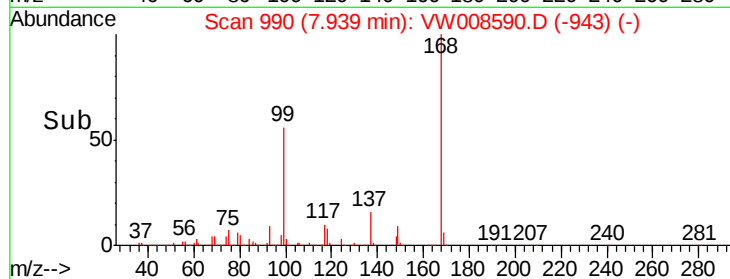
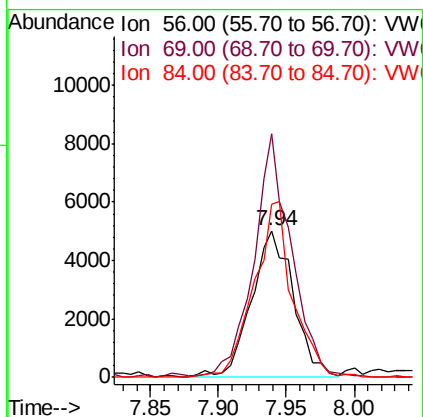
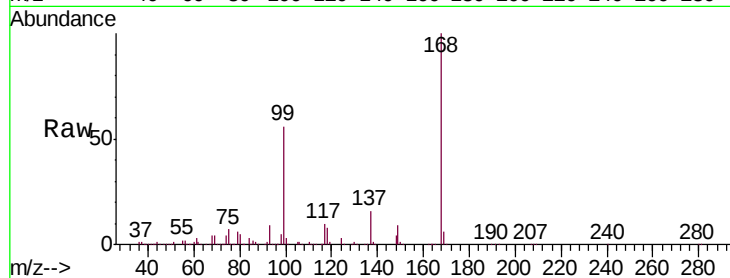




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008590.D
Acq: 11 Feb 2019 11:52

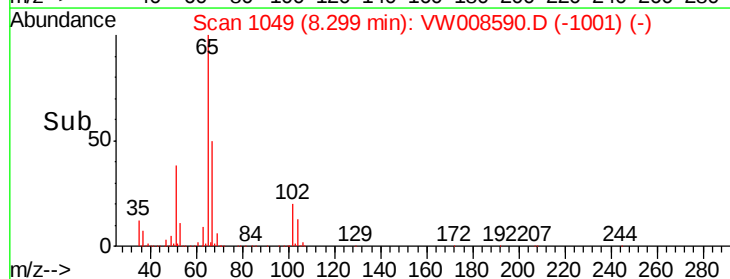
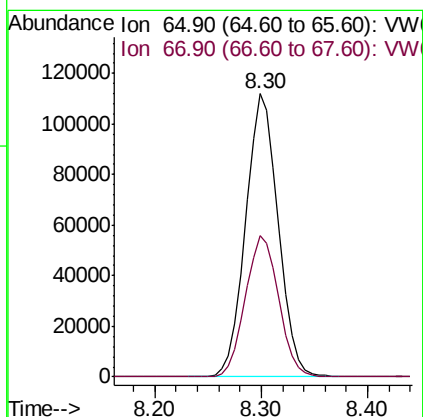
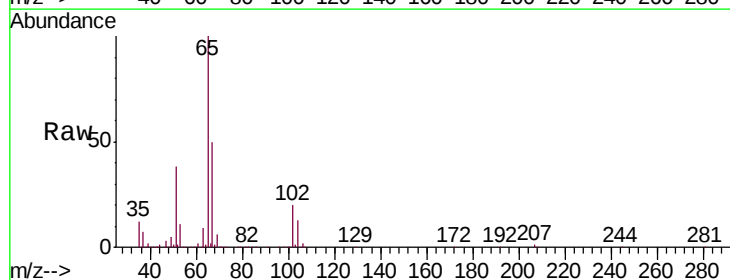
Instrument :
MSVOA_W
ClientSampleId :
VW0211SBL01

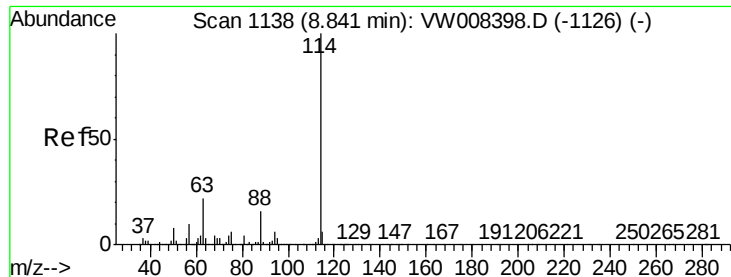
Tgt Ion: 56 Resp: 10896
Ion Ratio Lower Upper
56 100
69 164.4 26.4 39.6#
84 124.1 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 53.989 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008590.D
Acq: 11 Feb 2019 11:52

Tgt Ion: 65 Resp: 240271
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

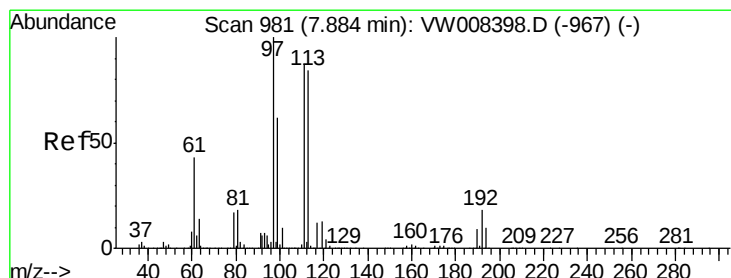
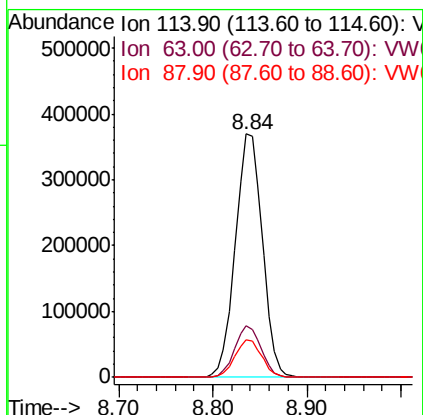
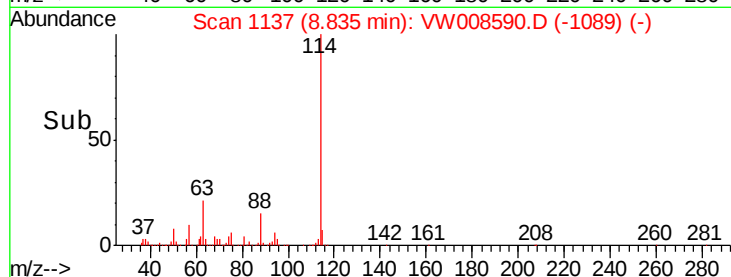
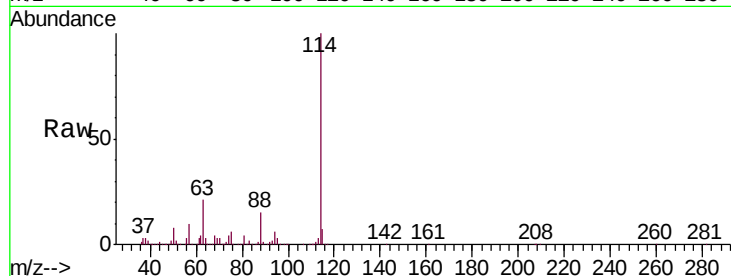




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

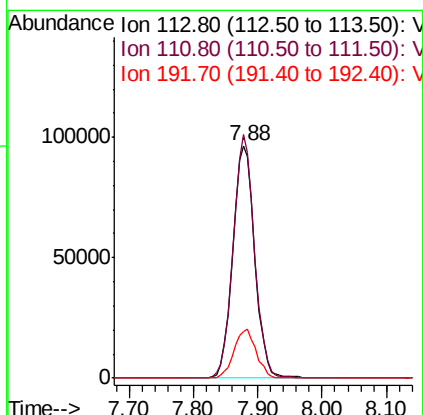
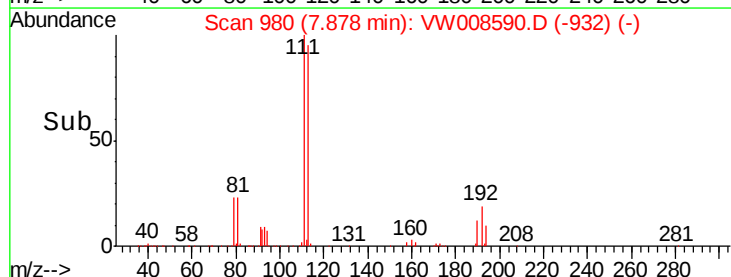
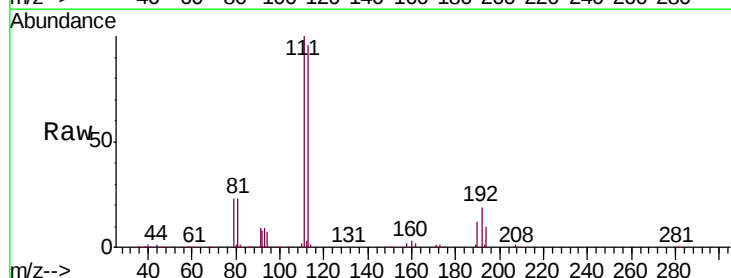
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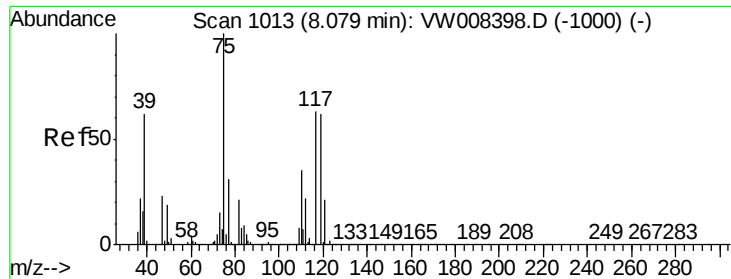
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.6
88	15.4	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 53.092 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	21.2	16.8	25.2

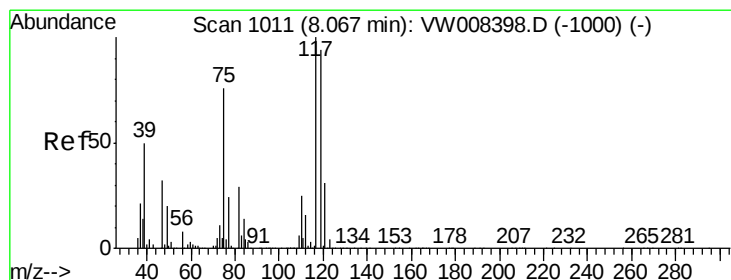
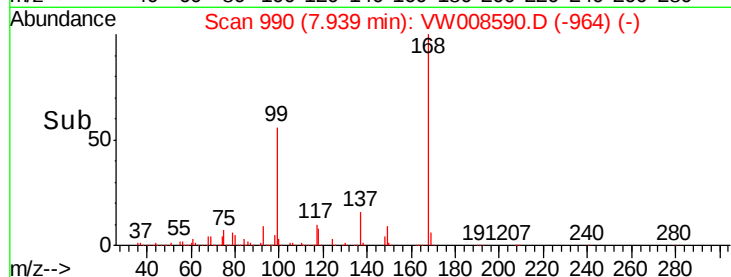
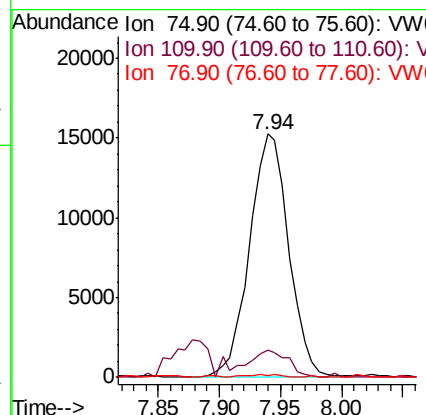
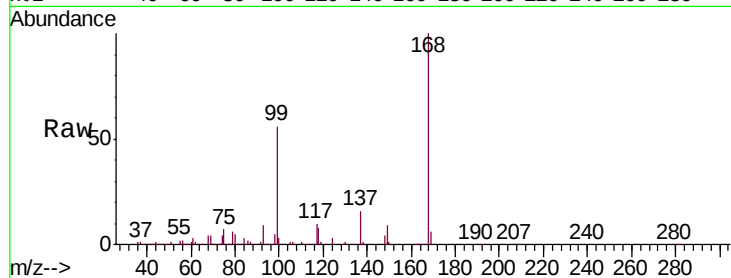




#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

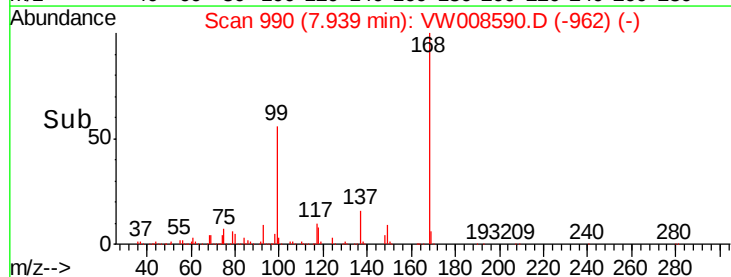
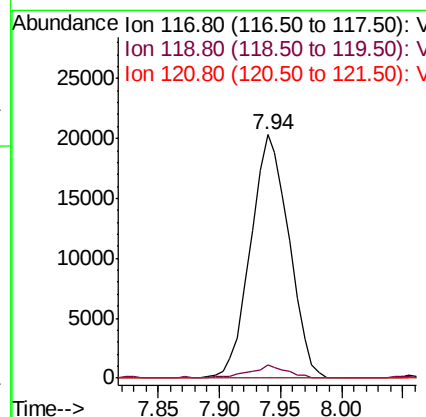
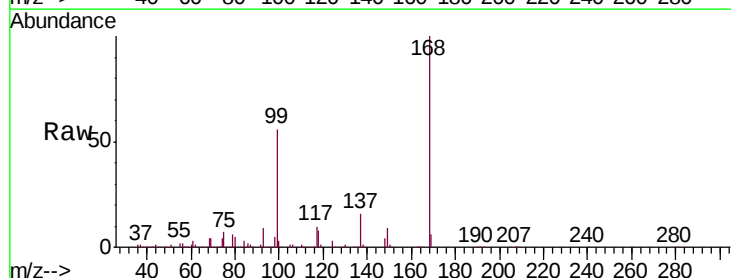
Instrument :
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 VW0211SBL01

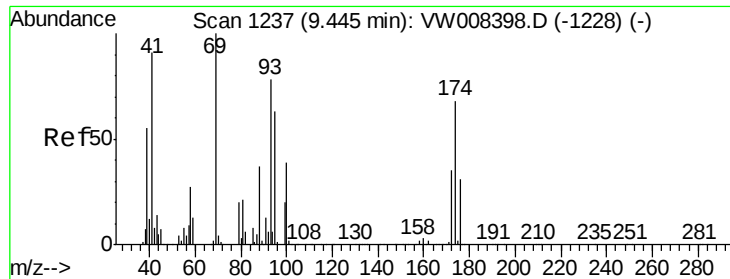
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	1.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.307 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.0	112.4#
121	0.0	24.9	37.3#

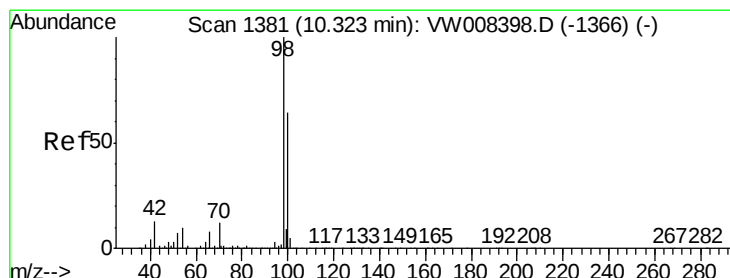
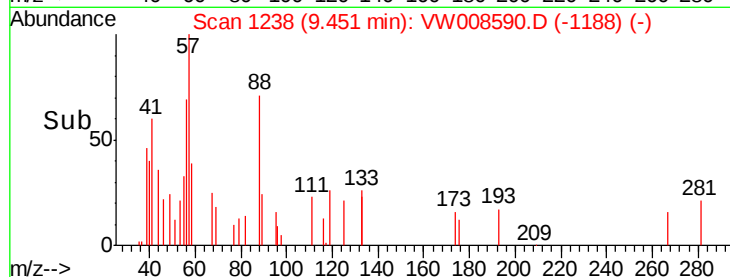
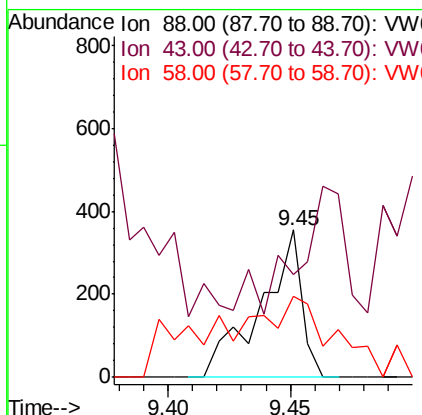
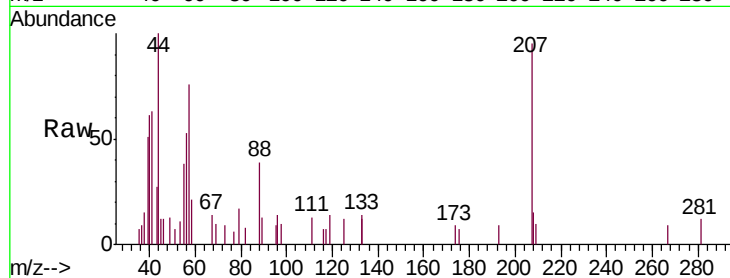




#49
 1,4-Dioxane
 Concen: 9.835 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

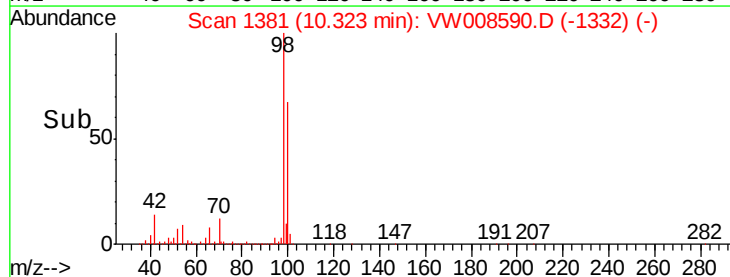
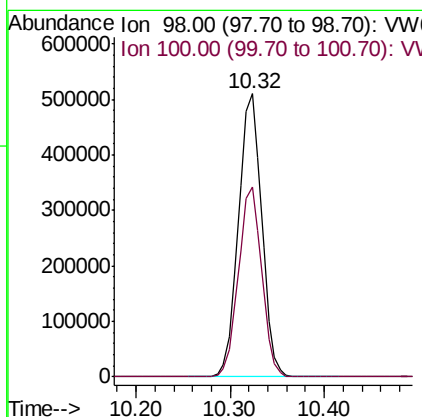
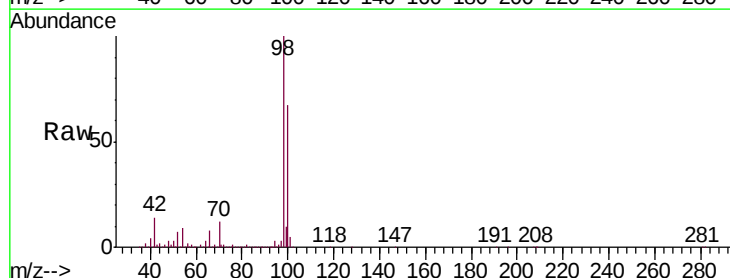
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBL01

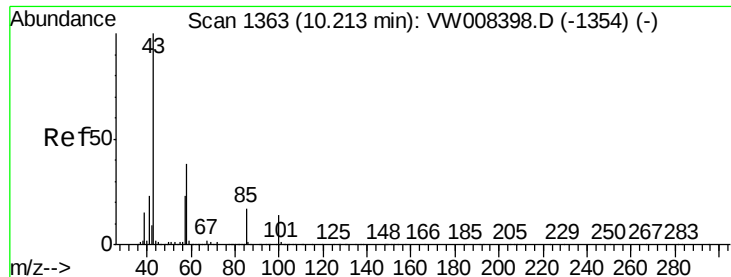
Tgt Ion: 88 Resp: 413
 Ion Ratio Lower Upper
 88 100
 43 148.4 29.0 43.4#
 58 126.9 56.4 84.6#



#50
 Toluene-d8
 Concen: 50.742 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion: 98 Resp: 879318
 Ion Ratio Lower Upper
 98 100
 100 66.8 52.6 78.8

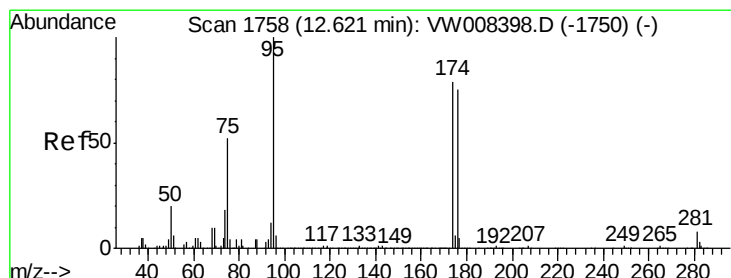
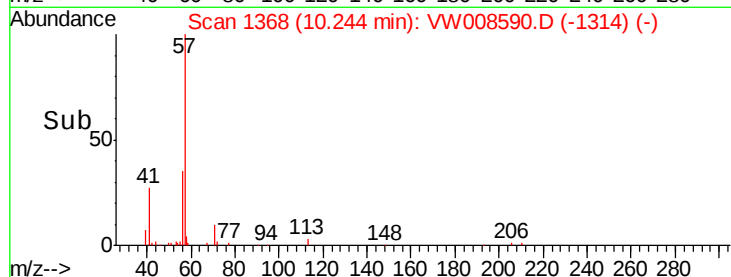
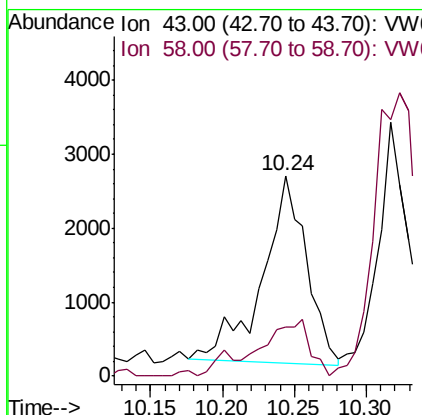
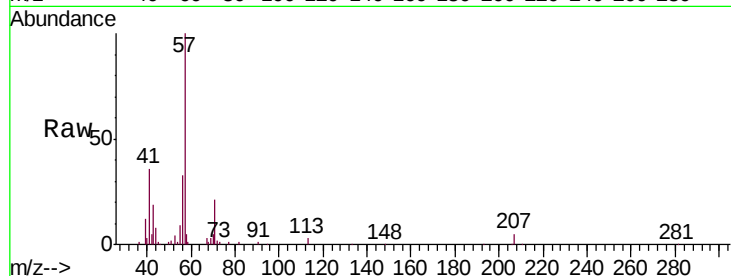




#51
 4-Methyl-2-Pentanone
 Concen: 1.708 ug/l
 RT: 10.24 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

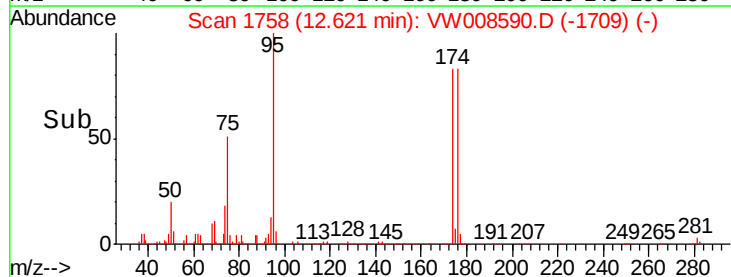
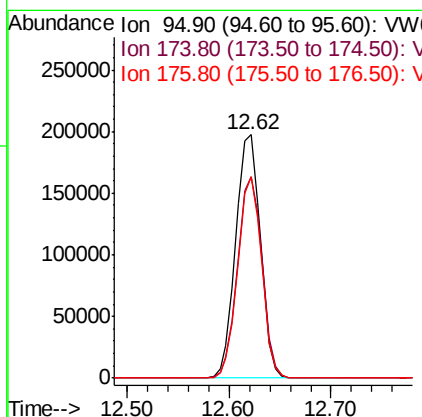
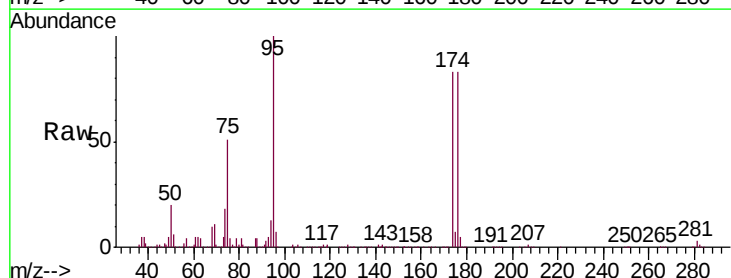
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBL01

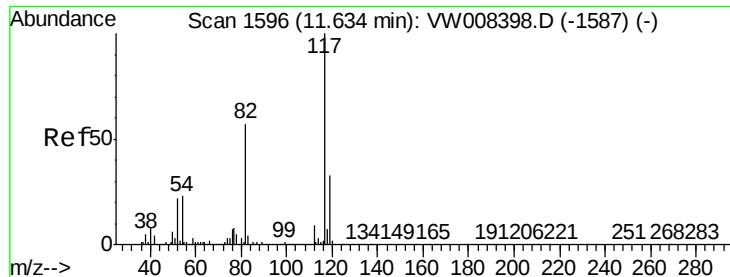
Tgt Ion: 43 Resp: 5416
 Ion Ratio Lower Upper
 43 100
 58 29.3 29.7 44.5#



#62
 4-Bromofluorobenzene
 Concen: 49.375 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion: 95 Resp: 328890
 Ion Ratio Lower Upper
 95 100
 174 82.6 0.0 157.6
 176 80.2 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: VW008590.D

Acq: 11 Feb 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBL01

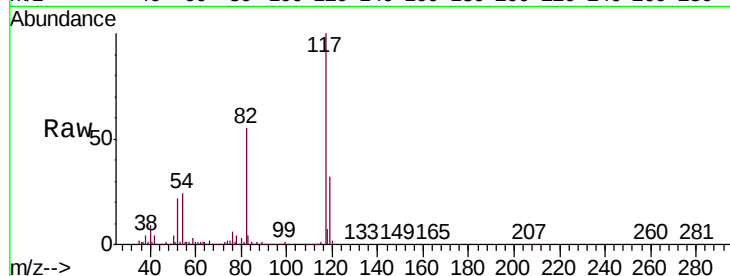
Tgt Ion:117 Resp: 674879

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.0

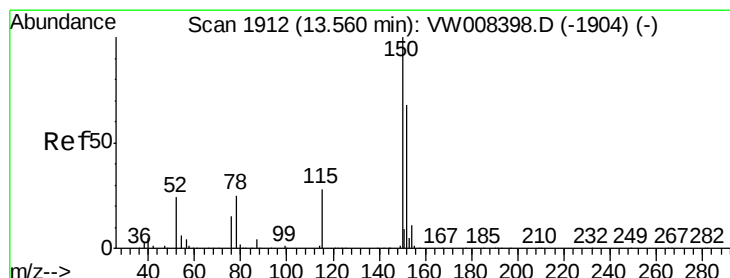
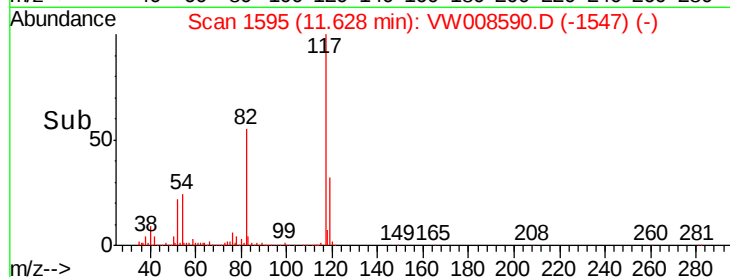
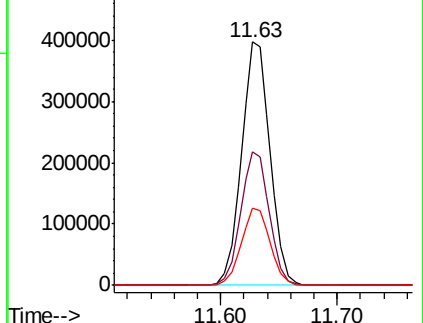
119 31.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008590.D

Acq: 11 Feb 2019 11:52

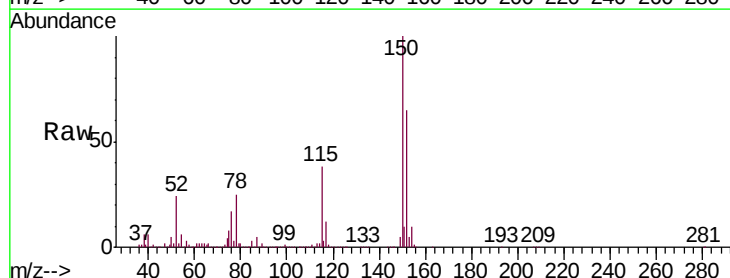
Tgt Ion:152 Resp: 332206

Ion Ratio Lower Upper

152 100

115 58.2 29.9 89.7

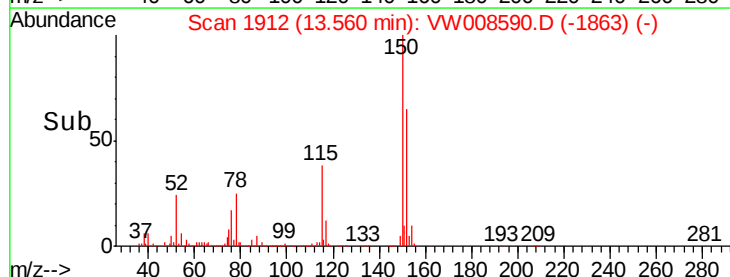
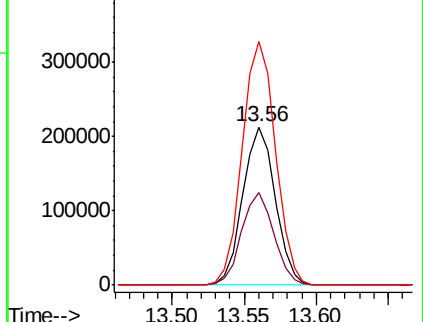
150 157.8 0.0 351.4

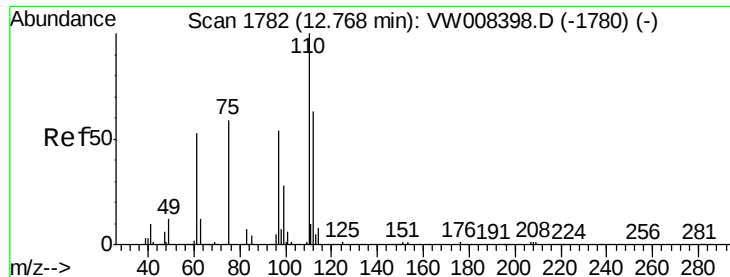


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

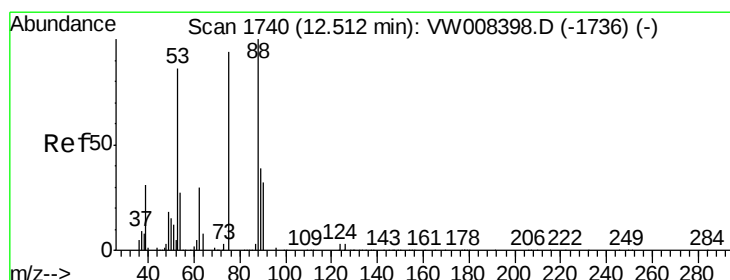
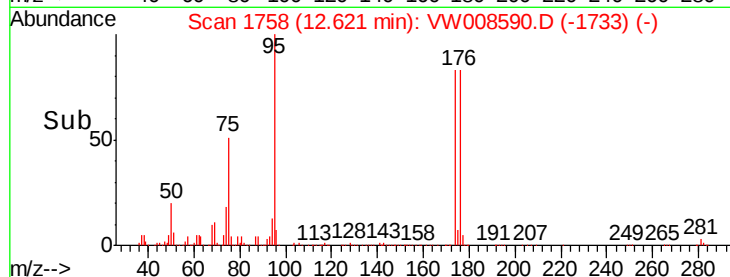
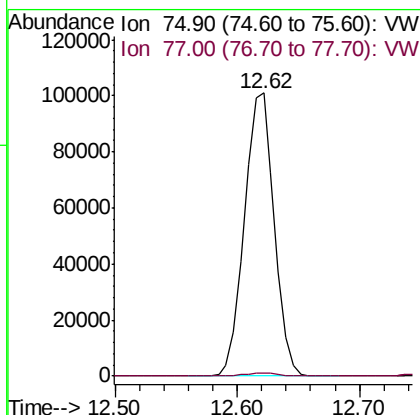
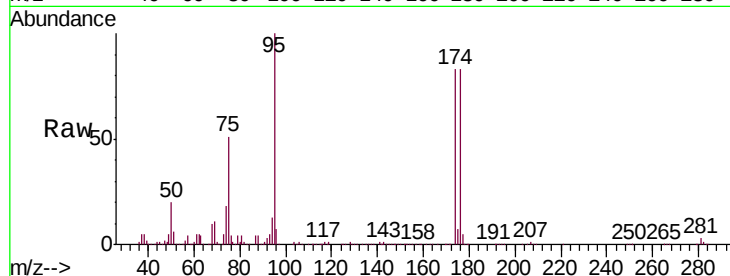




#76
 1,2,3-Trichloropropane
 Concen: 59.091 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBL01

Tgt Ion: 75 Resp: 170672
 Ion Ratio Lower Upper
 75 100
 77 1.3 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.709 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008590.D
 Acq: 11 Feb 2019 11:52

Tgt Ion: 75 Resp: 170672
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.0 114.0#
 89 0.2 35.4 53.0#

