

Data File : VW008615.D
Acq On : 12 Feb 2019 11:42
Operator : SY/VA
Sample : VW0212SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBL01

Quant Time: Feb 13 00:18:29 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	410406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	661138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	602096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	220204	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
35) Dibromofluoromethane	7.88	113	206328	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.32	98	792687	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	295419	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

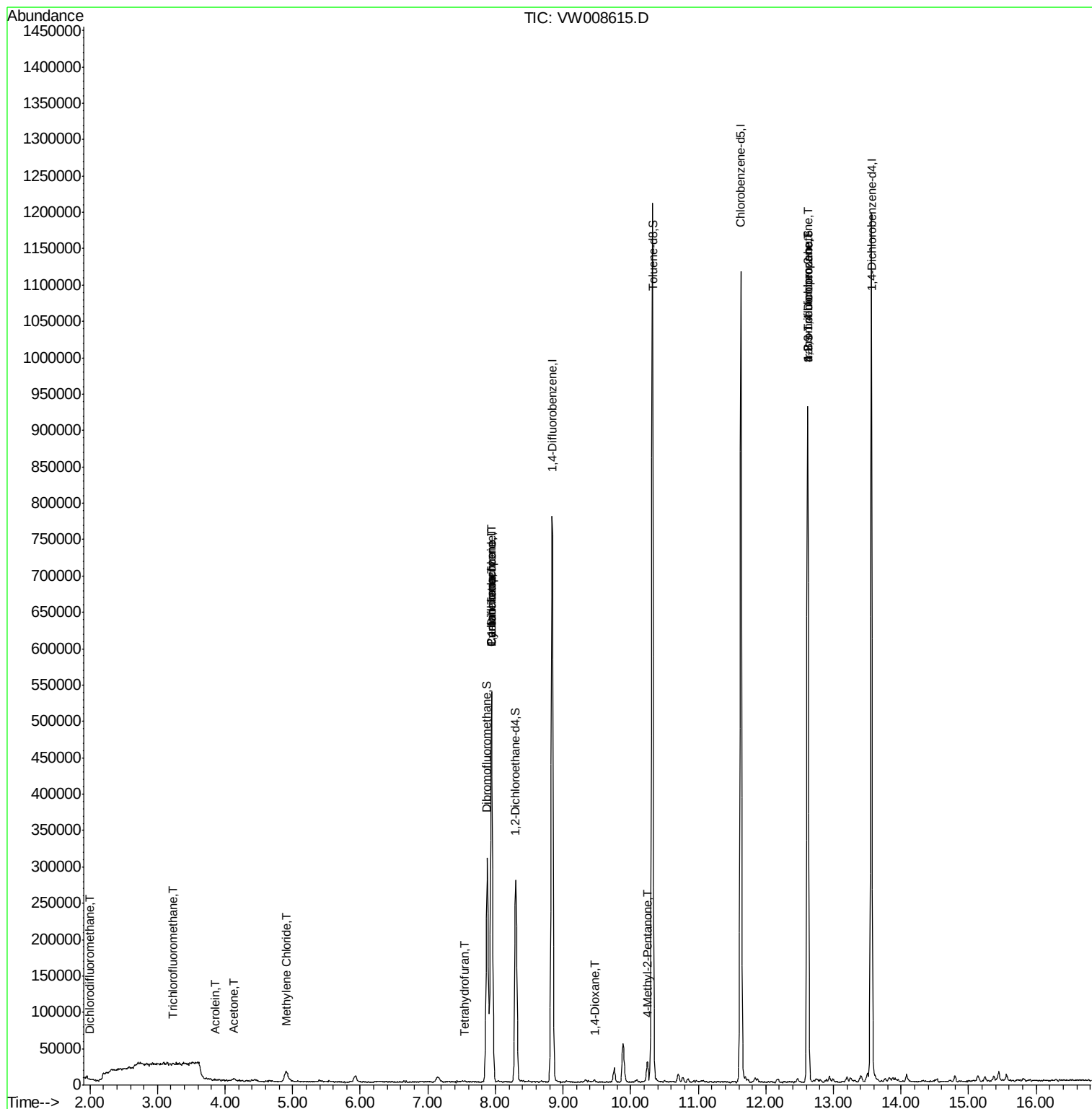
						Qvalue
2) Dichlorodifluoromethane	2.00	85	803	3.569	ug/l #	69
7) Trichlorofluoromethane	3.24	101	71	4.742	ug/l #	18
13) Acrolein	3.87	56	227	4.965	ug/l #	14
16) Acetone	4.13	43	7027	7.761	ug/l	94
20) Methylene Chloride	4.90	84	11619	2.784	ug/l	88
29) Tetrahydrofuran	7.54	42	1459	1.831	ug/l #	66
31) Cyclohexane	7.95	56	9937	1.256	ug/l #	21
36) 1,1-Dichloropropene	7.94	75	31272	5.007	ug/l #	50
38) Carbon Tetrachloride	7.95	117	39406	6.270	ug/l #	16
49) 1,4-Dioxane	9.47	88	53	1.411	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	4582	1.616	ug/l #	75
76) 1,2,3-Trichloropropane	12.62	75	153534	58.315	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	153534	115.177	ug/l #	12

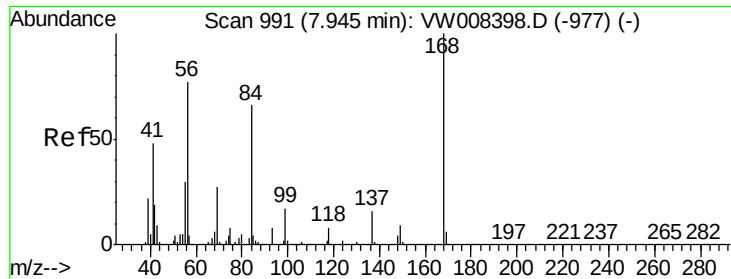
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008615.D

Acq: 12 Feb 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

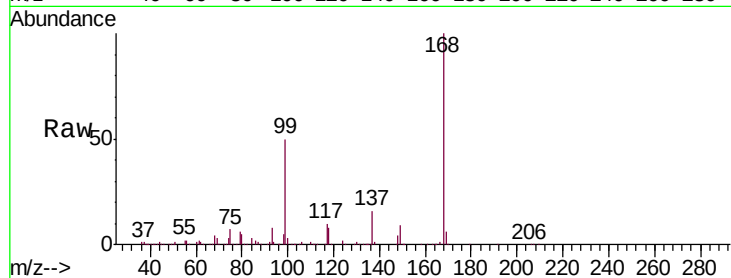
VW0212SBL01

Tgt Ion:168 Resp: 410406

Ion Ratio Lower Upper

168 100

99 50.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

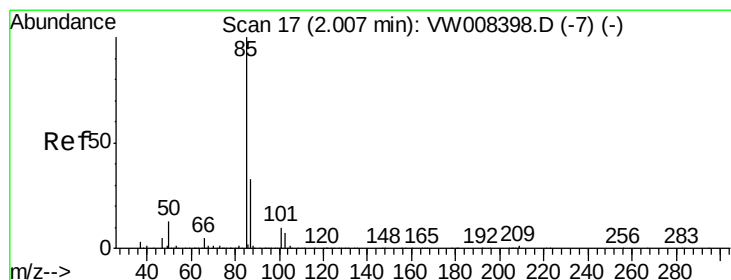
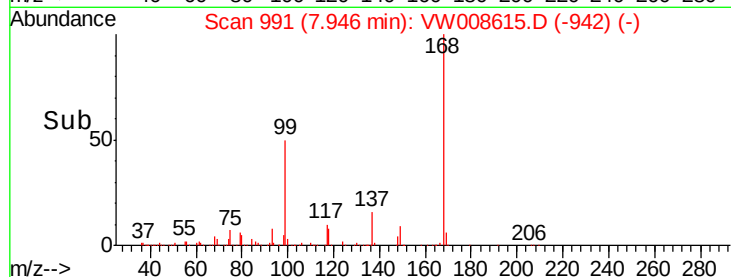
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.569 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008615.D

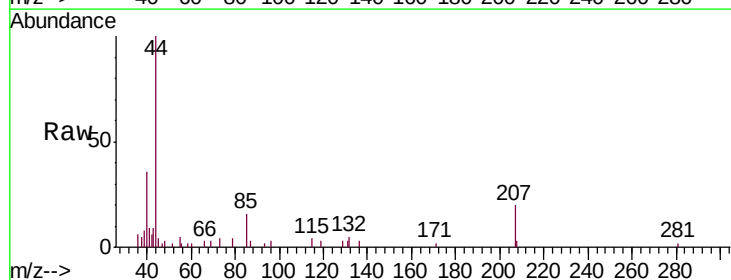
Acq: 12 Feb 2019 11:42

Tgt Ion: 85 Resp: 803

Ion Ratio Lower Upper

85 100

87 15.9 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

500

400

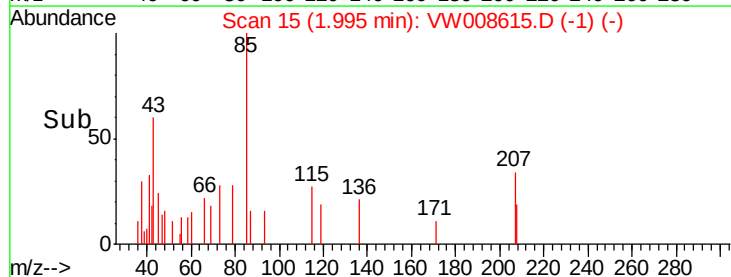
300

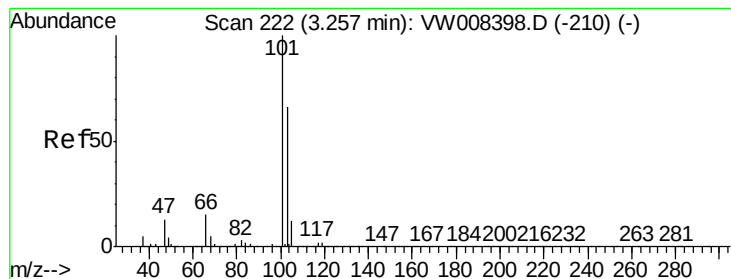
200

100

0

Time--> 1.96 1.98 2.00 2.02 2.04



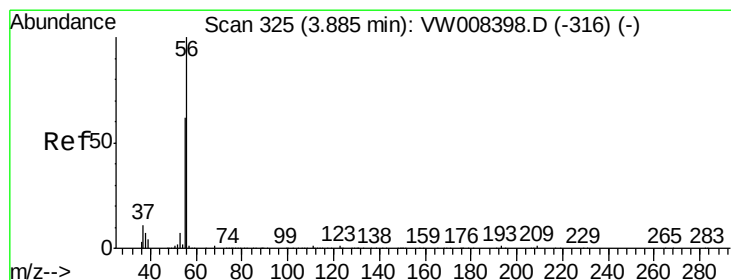
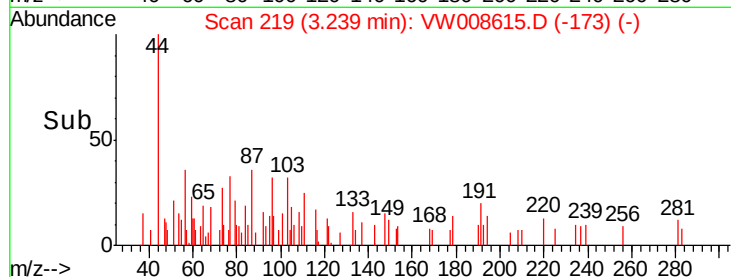
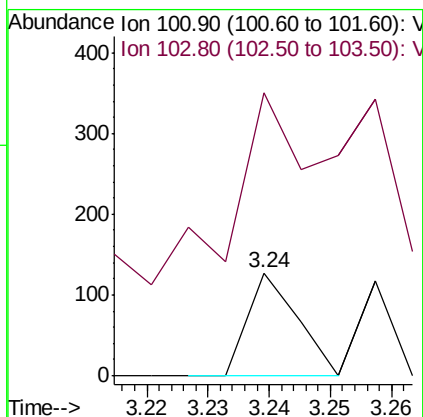
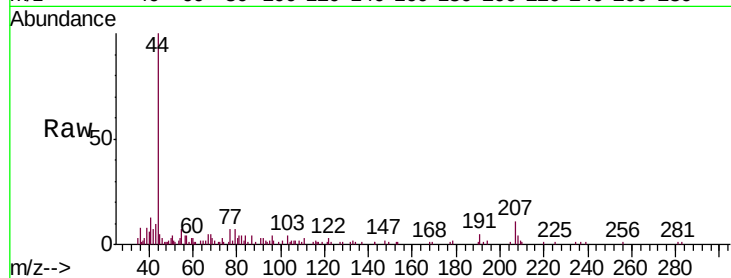


#7

Trichlorofluoromethane
Concen: 4.742 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBL01

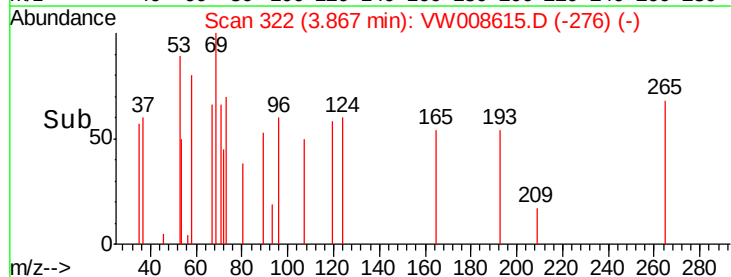
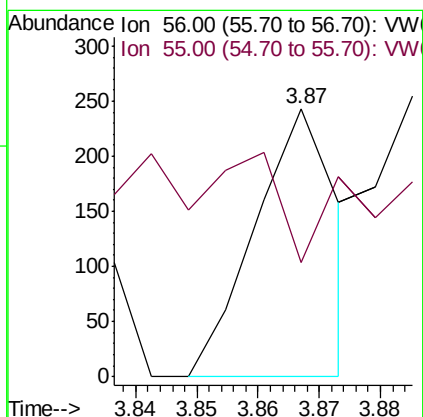
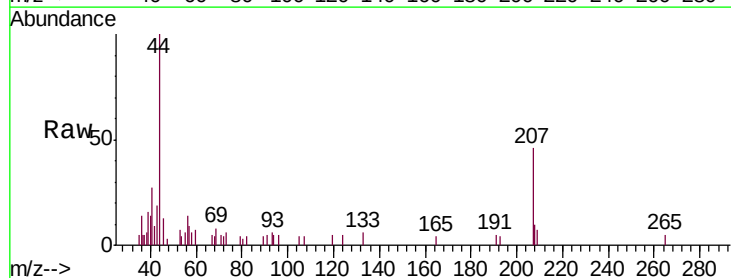
Tgt Ion: 101 Resp: 71
Ion Ratio Lower Upper
101 100
103 130.7 52.5 78.7#

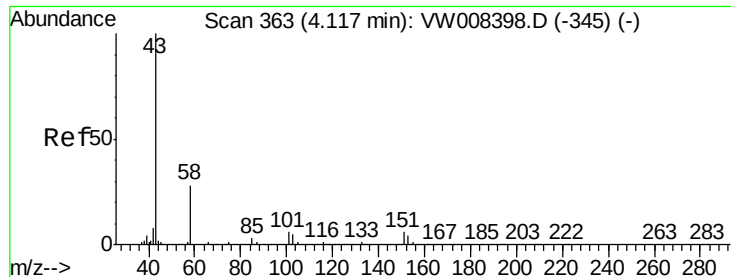


#13

Acrolein
Concen: 4.965 ug/l
RT: 3.87 min Scan# 322
Delta R.T. -0.02 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#

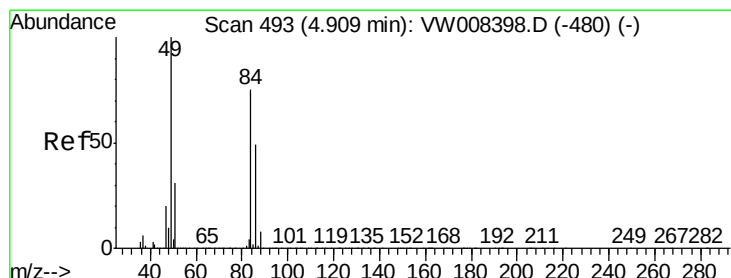
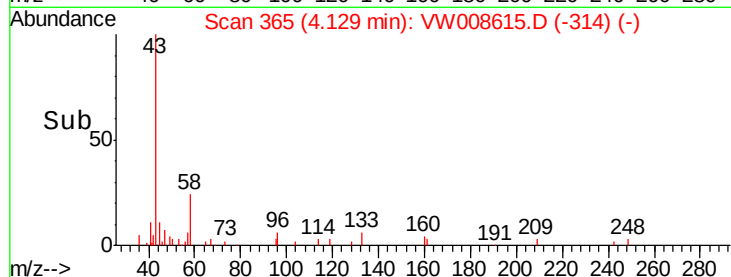
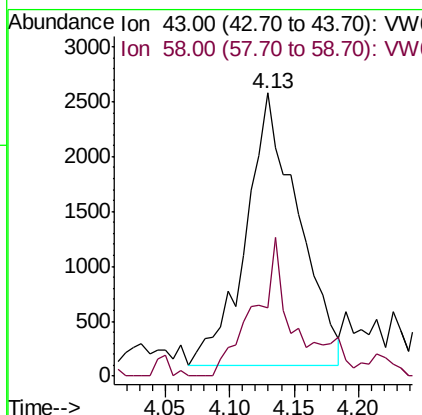
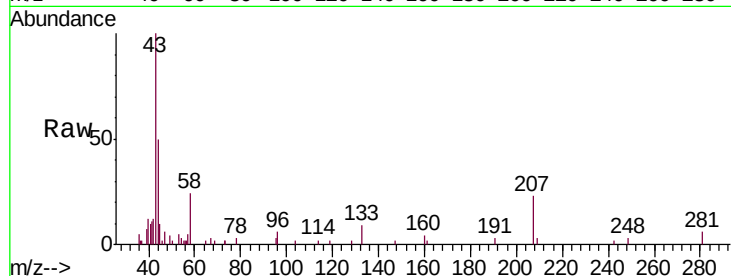




#16
Acetone
Concen: 7.761 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

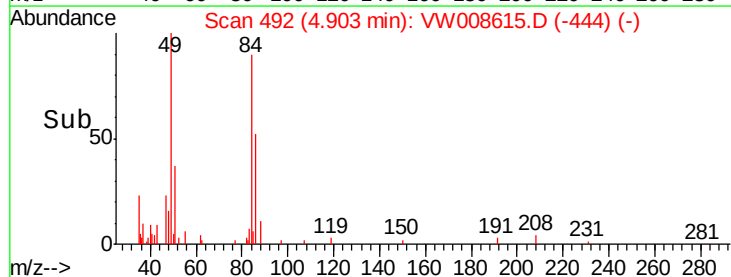
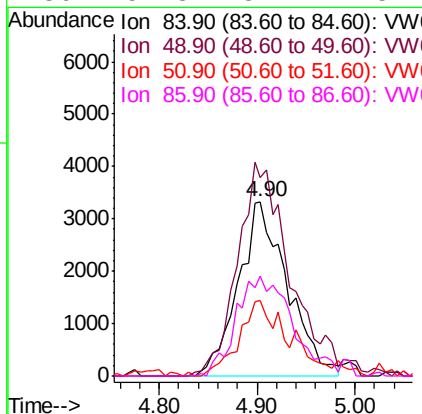
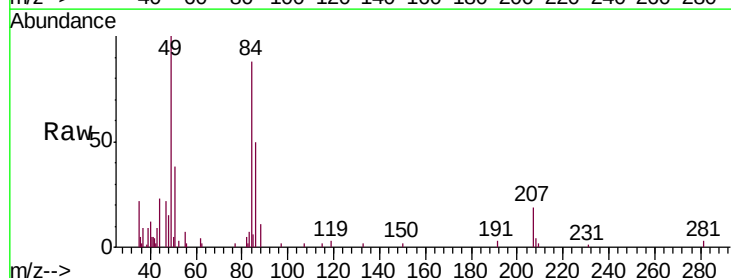
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBL01

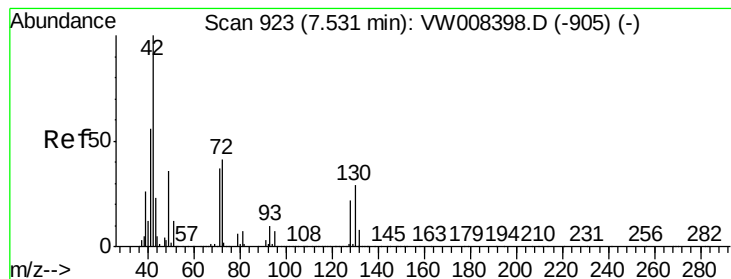
Tgt Ion: 43 Resp: 7027
Ion Ratio Lower Upper
43 100
58 25.2 22.6 34.0



#20
Methylene Chloride
Concen: 2.784 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

Tgt Ion: 84 Resp: 11619
Ion Ratio Lower Upper
84 100
49 114.0 106.8 160.2
51 41.2 32.9 49.3
86 57.3 52.2 78.2





#29

Tetrahydrofuran

Concen: 1.831 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008615.D

Acq: 12 Feb 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBL01

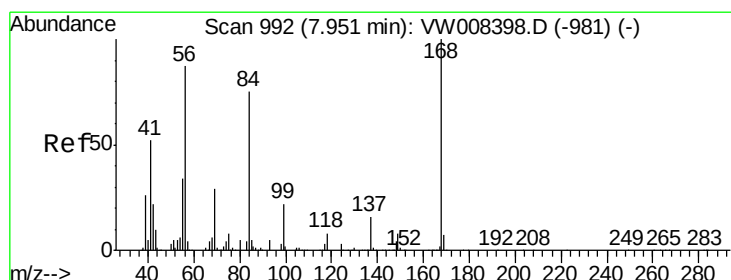
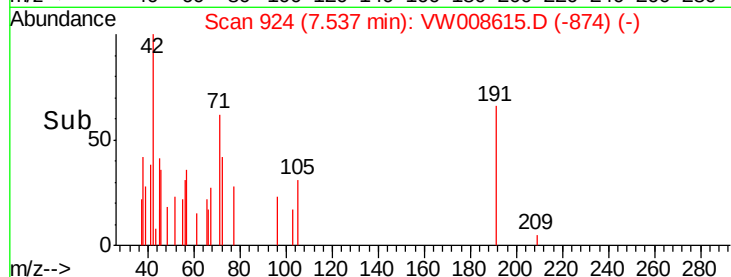
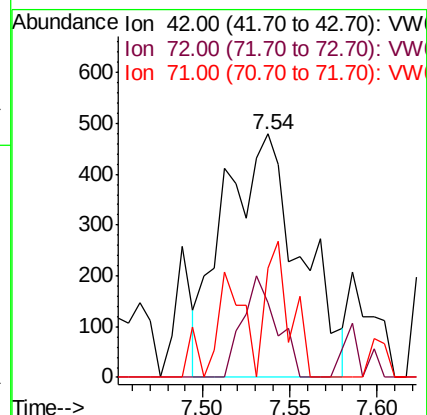
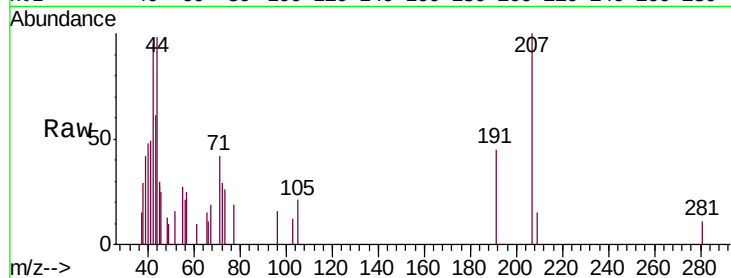
Tgt Ion: 42 Resp: 1459

Ion Ratio Lower Upper

42 100

72 18.6 31.9 47.9#

71 17.8 29.9 44.9#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008615.D

Acq: 12 Feb 2019 11:42

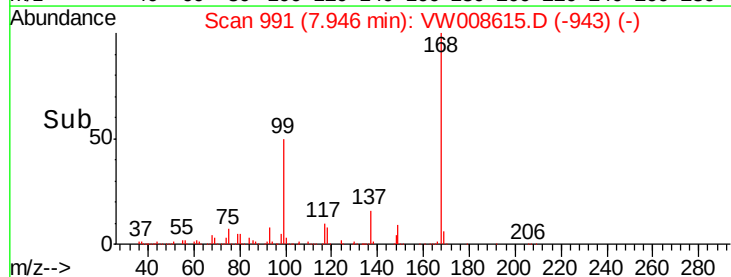
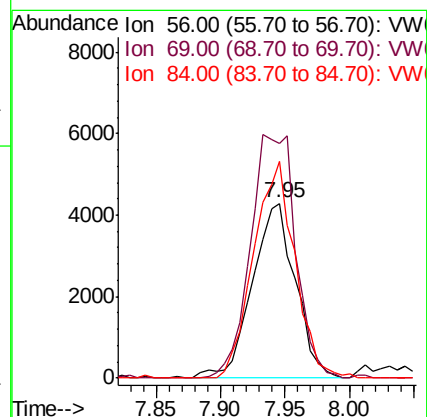
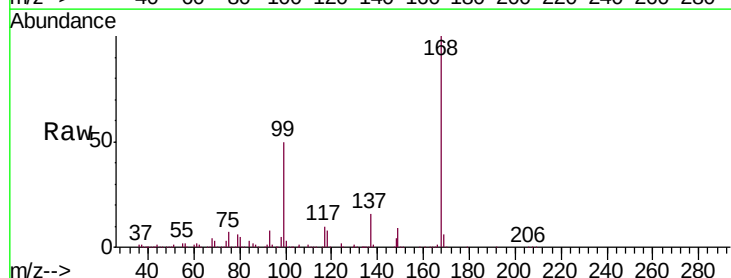
Tgt Ion: 56 Resp: 9937

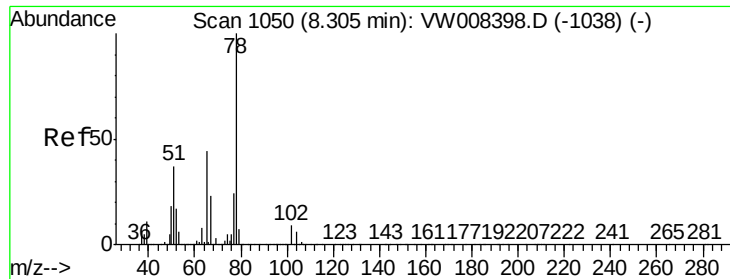
Ion Ratio Lower Upper

56 100

69 134.4 26.4 39.6#

84 123.8 69.1 103.7#

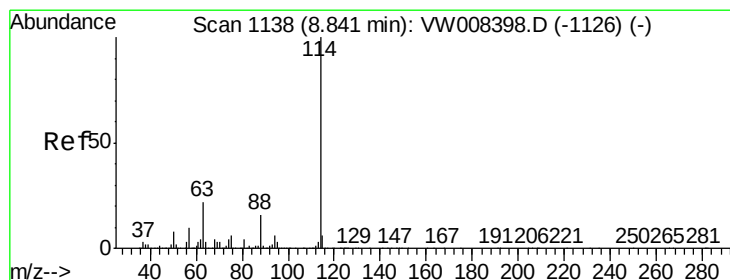
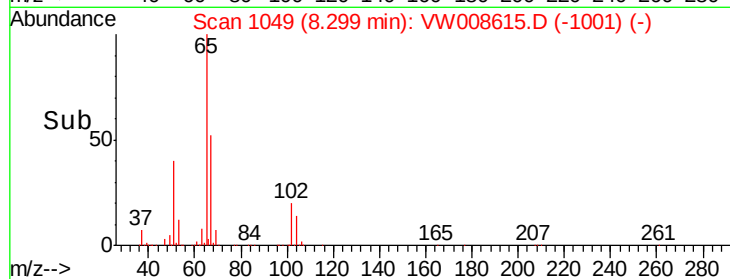
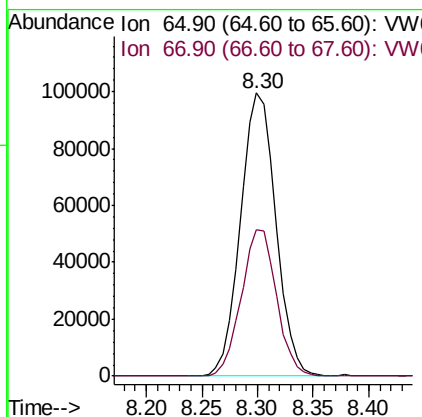
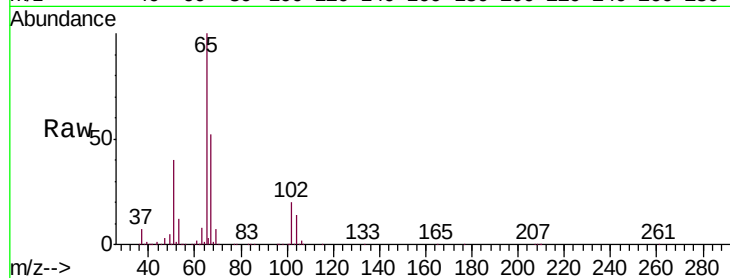




#33
 1,2-Dichloroethane-d4
 Concen: 54.616 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

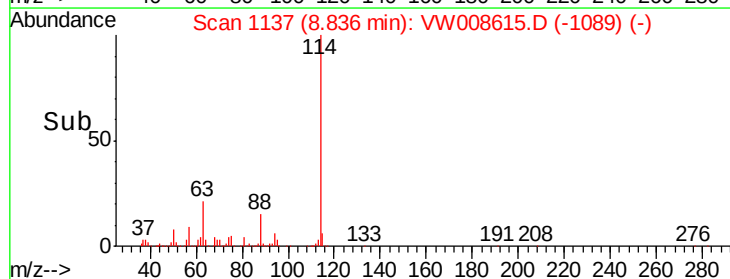
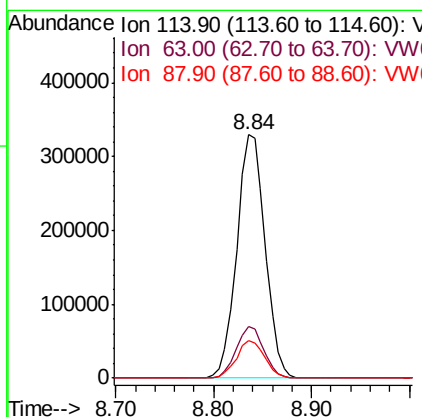
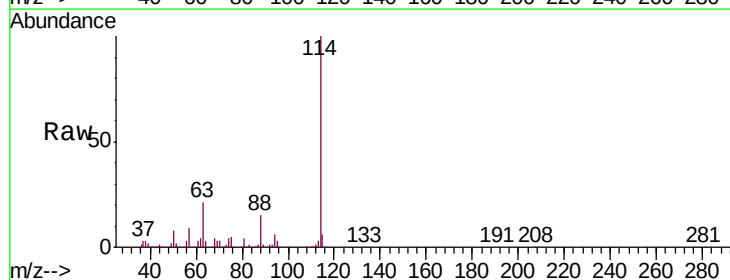
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBL01

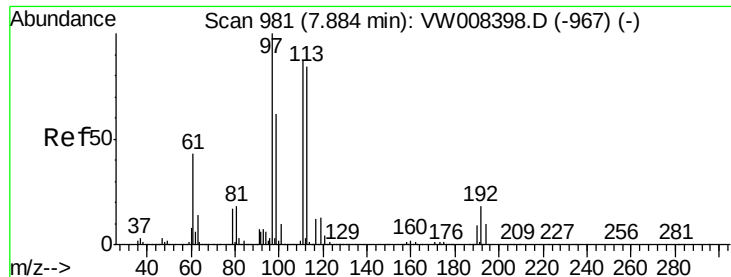
Tgt Ion: 65 Resp: 220204
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

Tgt Ion: 114 Resp: 661138
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.6
 88 15.4 0.0 31.8

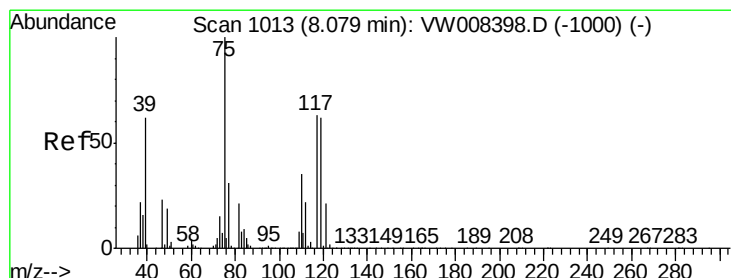
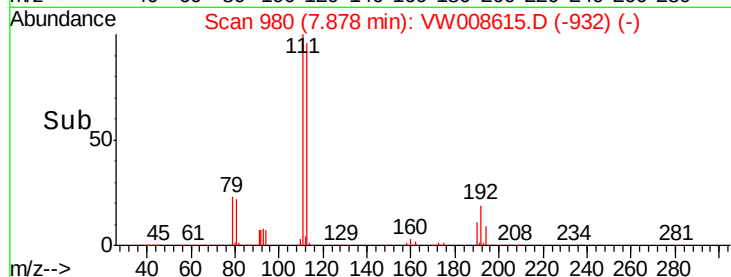
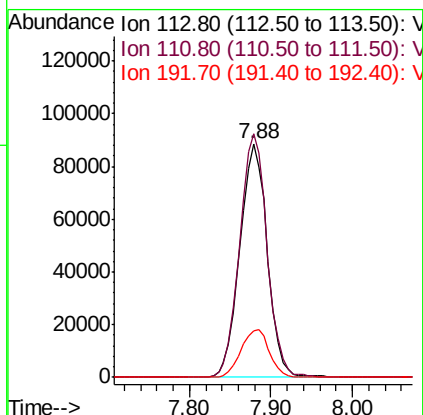
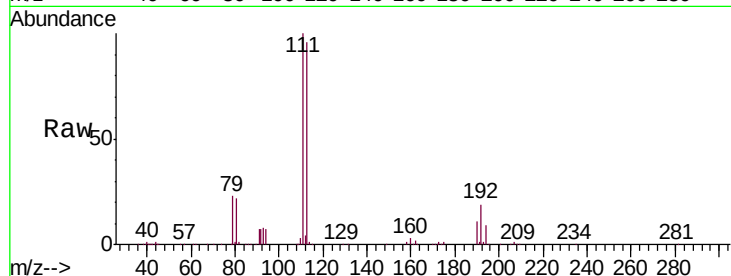




#35
 Dibromofluoromethane
 Concen: 53.371 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

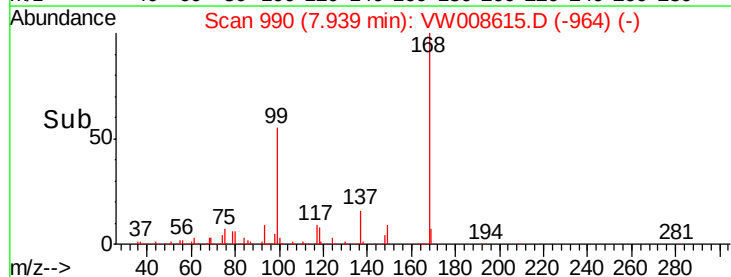
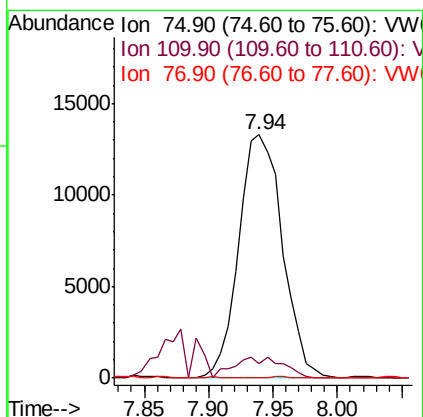
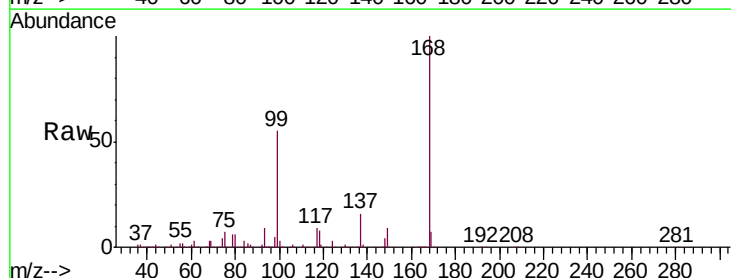
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBL01

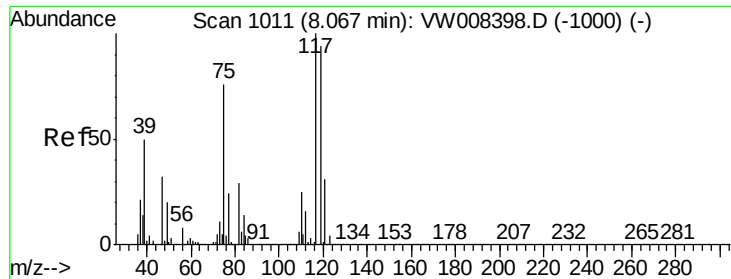
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	21.3	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

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: 6.270 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008615.D

Acq: 12 Feb 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBL01

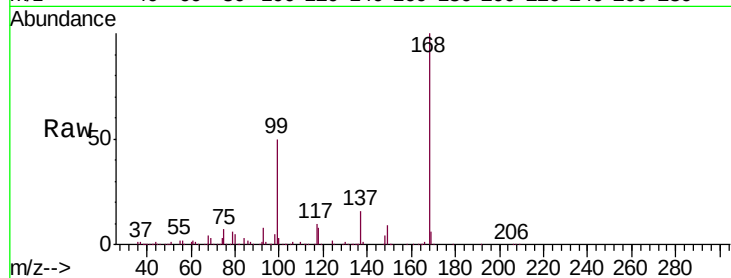
Tgt Ion:117 Resp: 39406

Ion Ratio Lower Upper

117 100

119 3.6 75.0 112.4#

121 0.0 24.9 37.3#

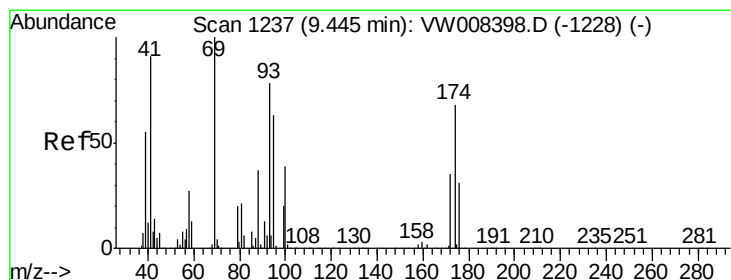
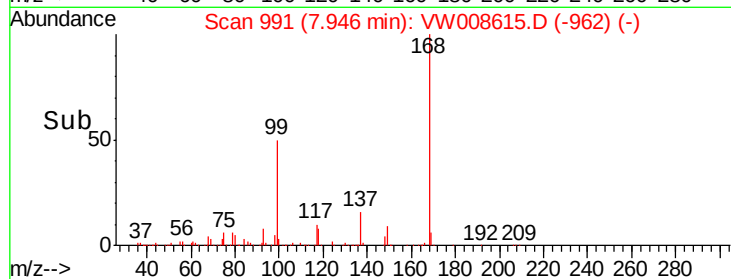
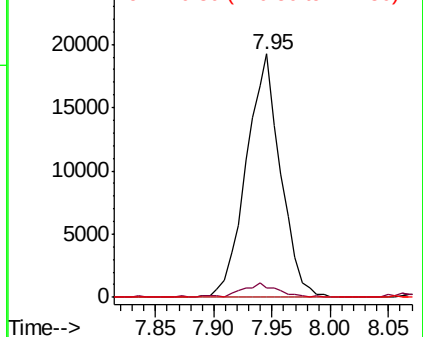


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.411 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008615.D

Acq: 12 Feb 2019 11:42

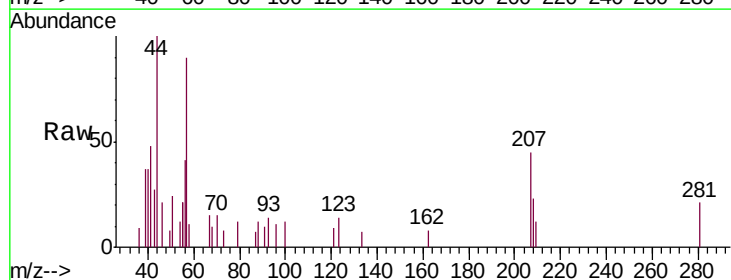
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 634.0 56.4 84.6#

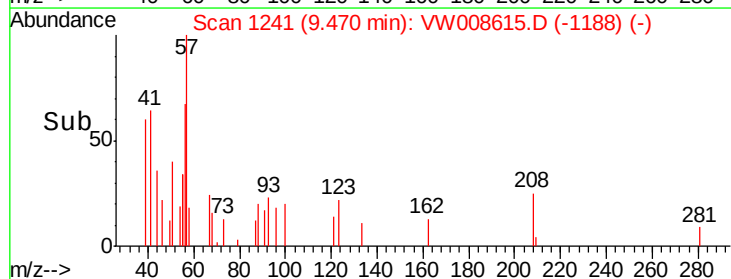
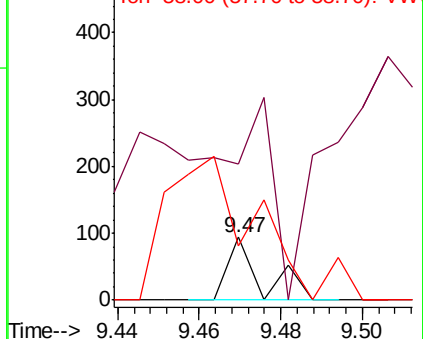


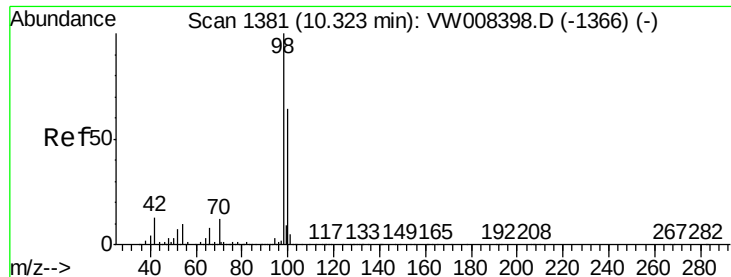
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

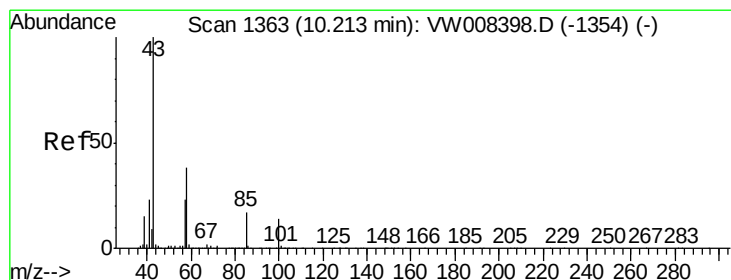
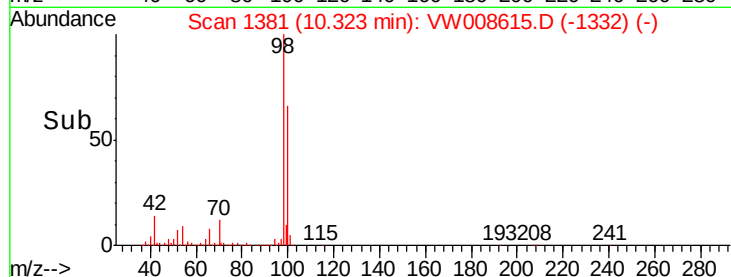
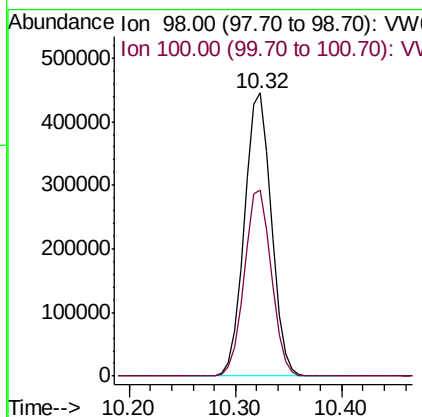
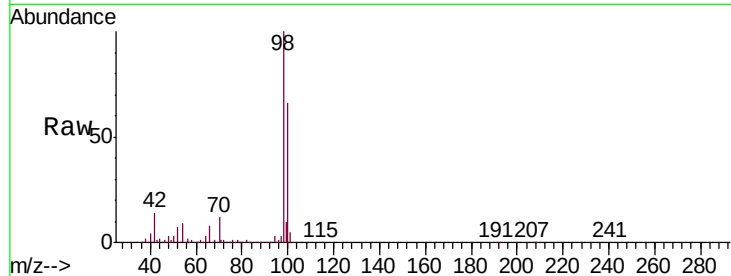




#50
Toluene-d8
Concen: 51.133 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

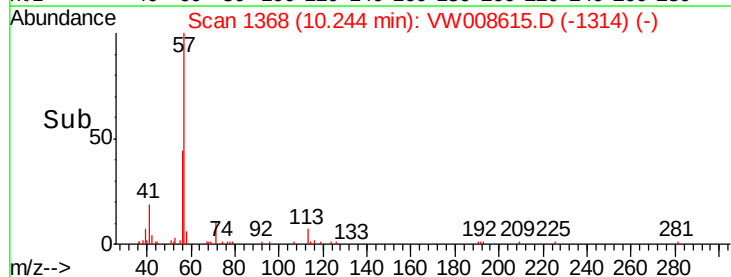
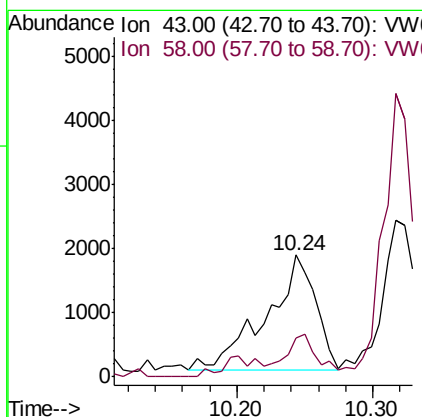
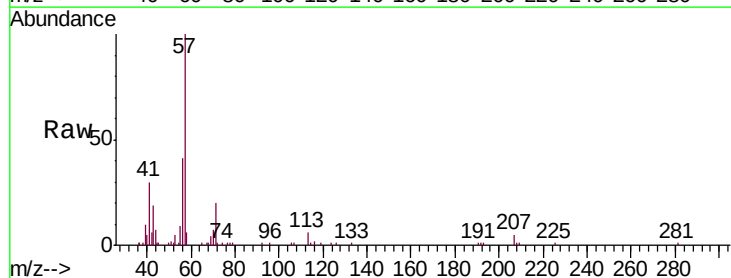
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBL01

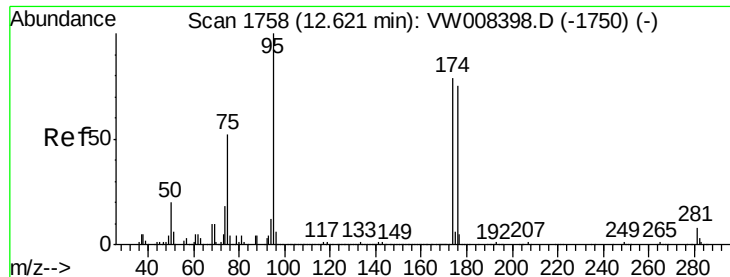
Tgt Ion: 98 Resp: 792687
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.616 ug/l
RT: 10.24 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

Tgt Ion: 43 Resp: 4582
Ion Ratio Lower Upper
43 100
58 22.1 29.7 44.5#

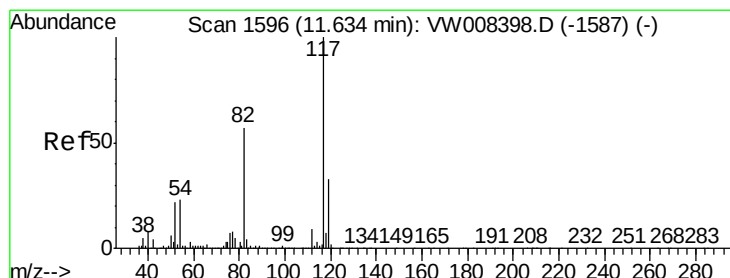
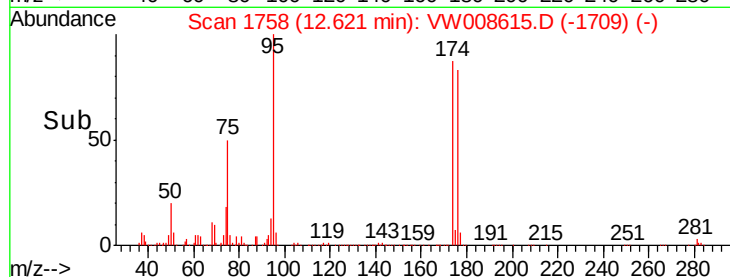
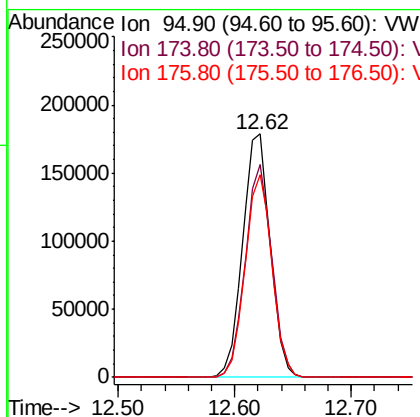
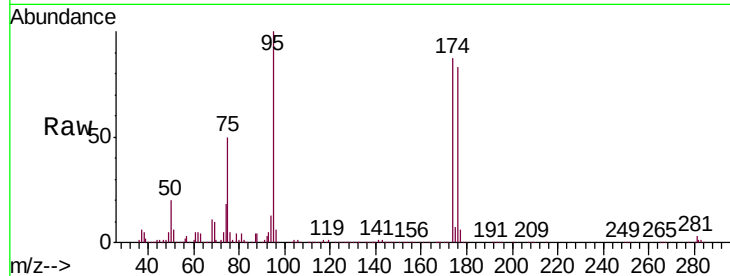




#62
4-Bromofluorobenzene
Concen: 49.576 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

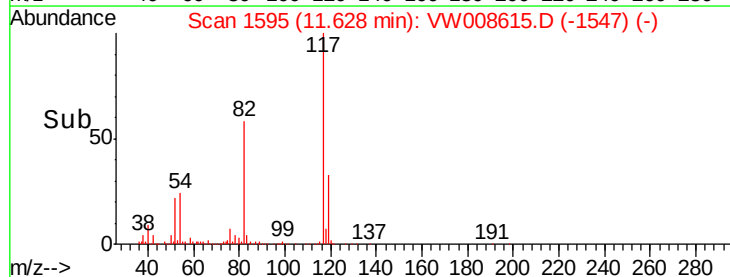
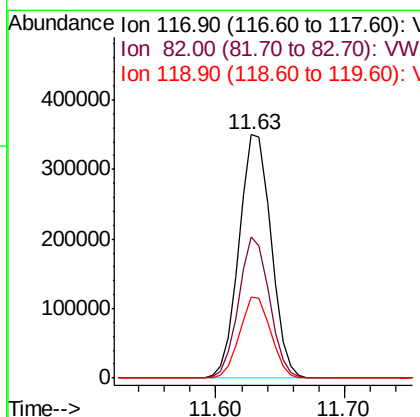
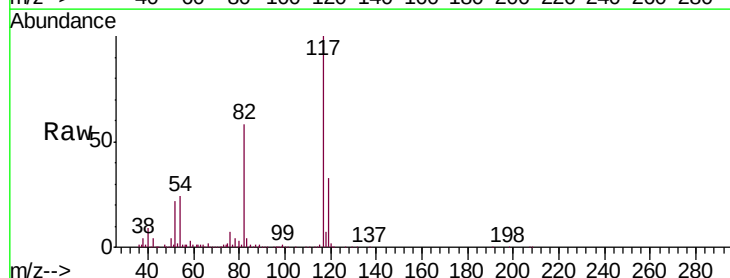
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBL01

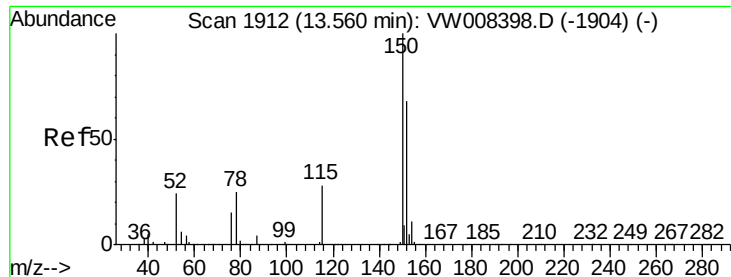
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	157.6
176	80.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008615.D
Acq: 12 Feb 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.0
119	33.2	26.2	39.4

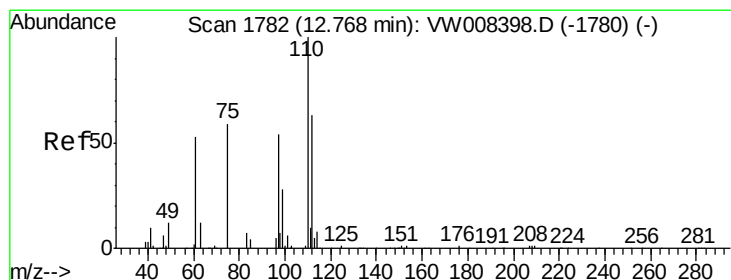
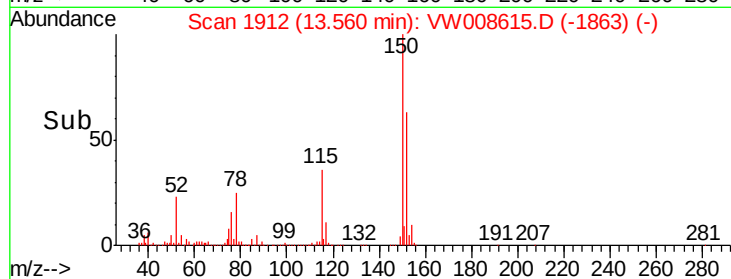
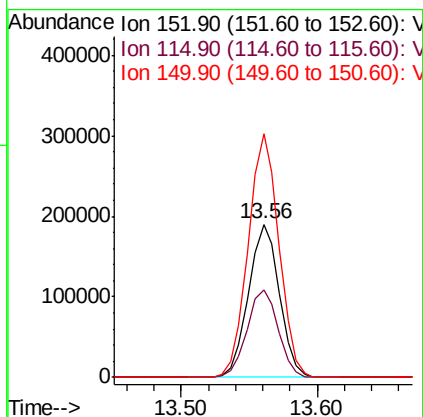
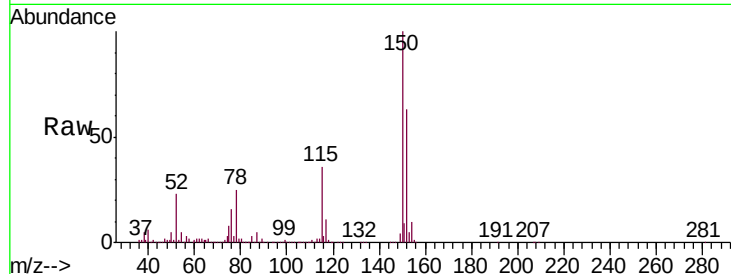




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

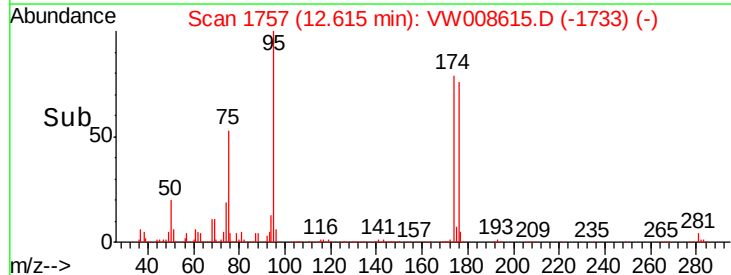
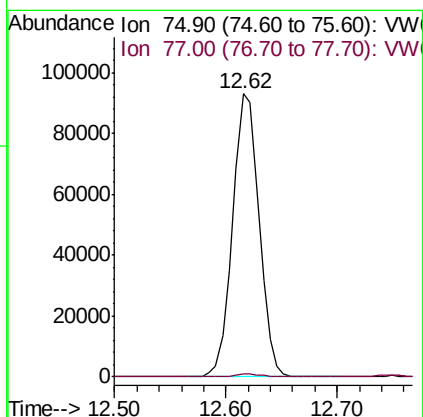
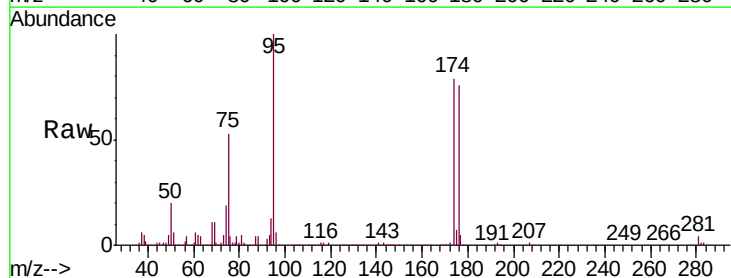
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBL01

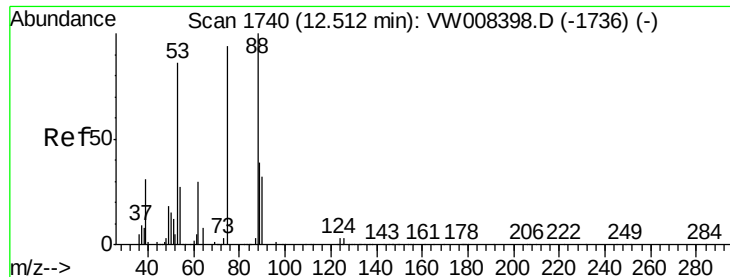
Tgt Ion:152 Resp: 302823
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.9 89.7
 150 158.0 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 58.315 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008615.D
 Acq: 12 Feb 2019 11:42

Tgt Ion: 75 Resp: 153534
 Ion Ratio Lower Upper
 75 100
 77 1.2 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 115.177 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008615.D

Acq: 12 Feb 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBL01

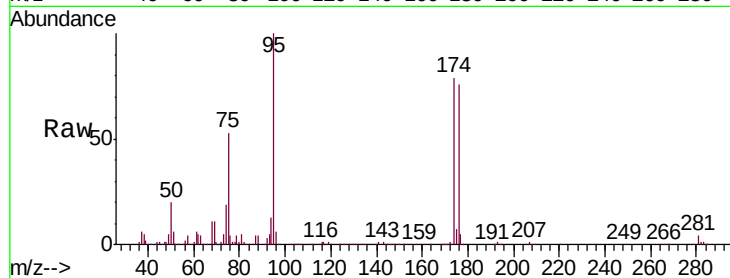
Tgt Ion: 75 Resp: 153534

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

