

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008822.D
 Acq On : 26 Feb 2019 11:19
 Operator : SY/VA
 Sample : VW0226SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBL01

Quant Time: Feb 27 05:55:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	348639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	536291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219918	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	185986	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	7.88	113	167710	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	10.32	98	630398	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	214177	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	

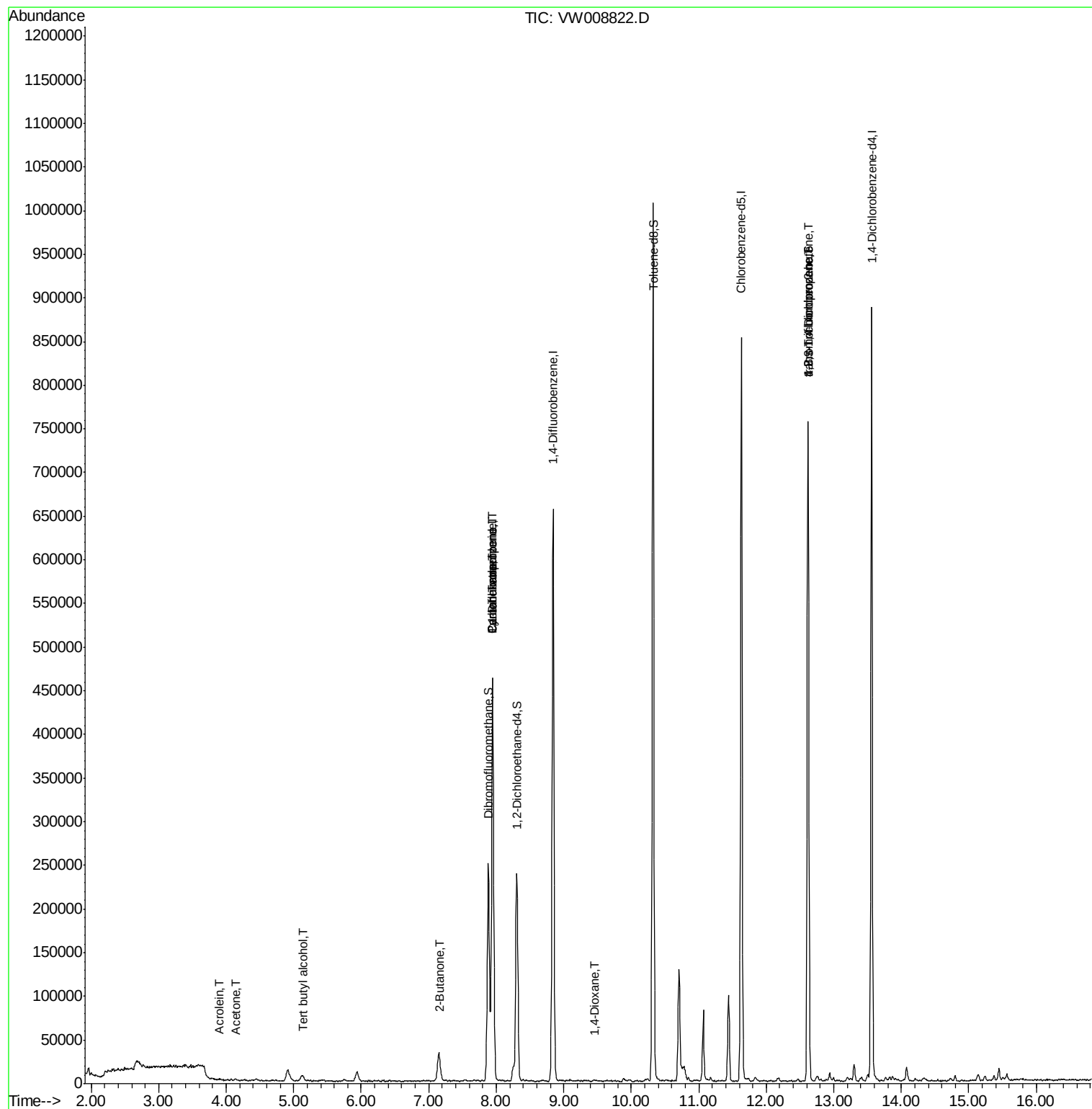
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	6406	22.005	ug/l #	75
13) Acrolein	3.90	56	326	20.758	ug/l #	1
16) Acetone	4.14	43	3347	4.416	ug/l	93
20) Methylene Chloride	4.91	84	9643	Below Cal	#	72
25) 2-Butanone	7.17	43	1795	1.694	ug/l #	51
31) Cyclohexane	7.95	56	7867	1.276	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	26095	4.999	ug/l #	49
38) Carbon Tetrachloride	7.95	117	32408	5.886	ug/l #	16
49) 1,4-Dioxane	9.45	88	53	1.689	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	113325	62.413	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113325	151.732	ug/l #	6

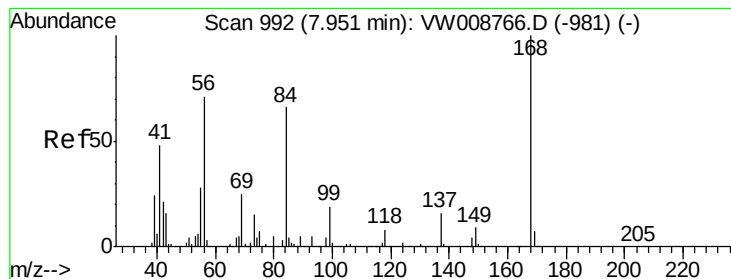
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
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Quant Time: Feb 27 05:55:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

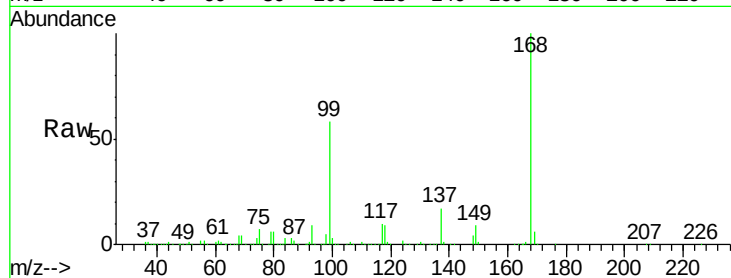
VW0226SBL01

Tot Ion:168 Resp: 348639

Ion Ratio Lower Upper

168 100

99 58.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

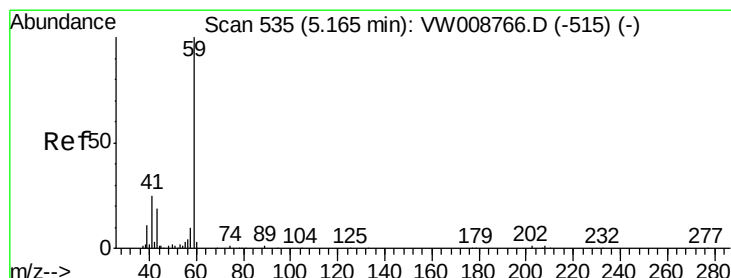
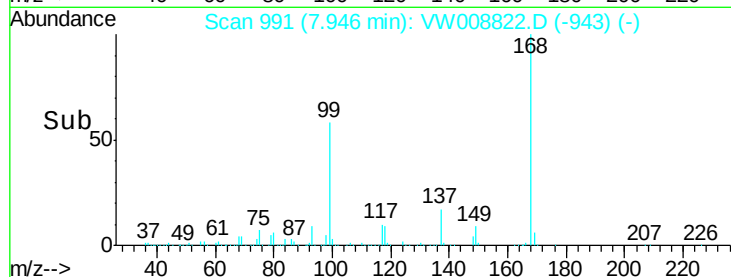
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 22.005 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008822.D

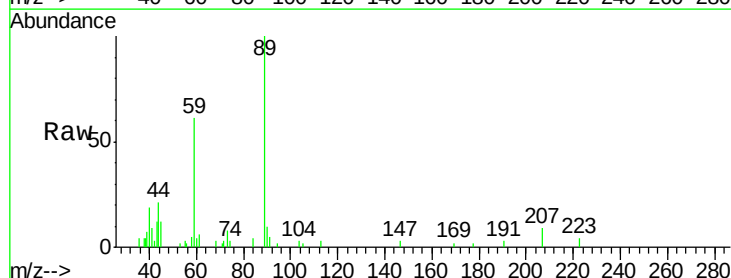
Acq: 26 Feb 2019 11:19

Tgt Ion: 59 Resp: 6406

Ion Ratio Lower Upper

59 100

57 1.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

2000

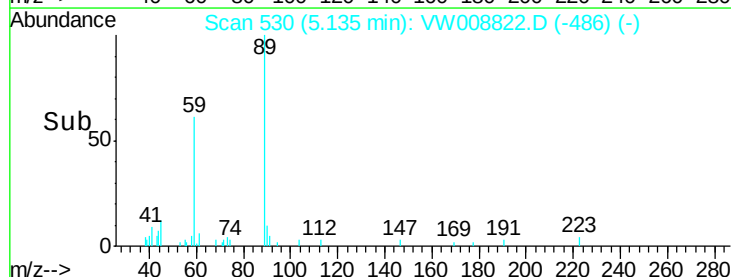
1500

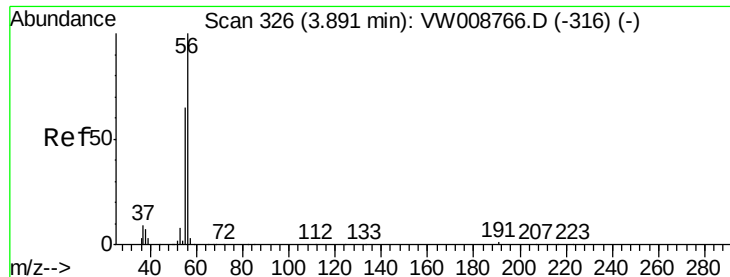
1000

500

0

Time--> 5.00 5.10 5.20





#13

Acrolein

Concen: 20.758 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

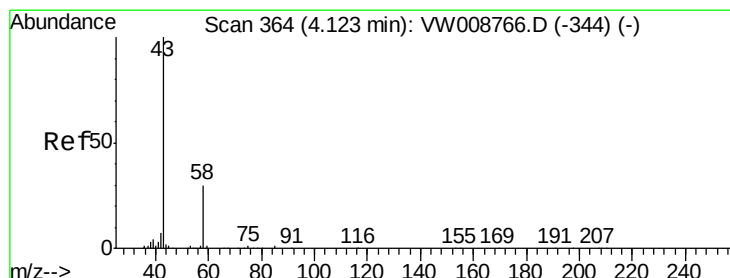
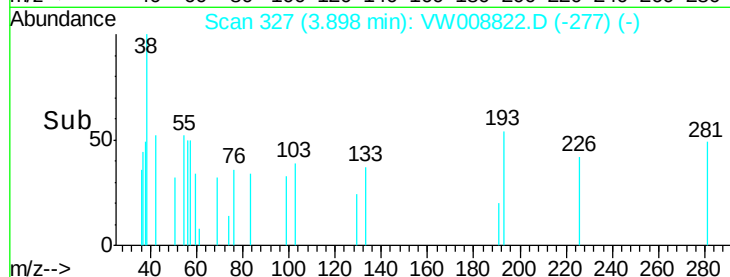
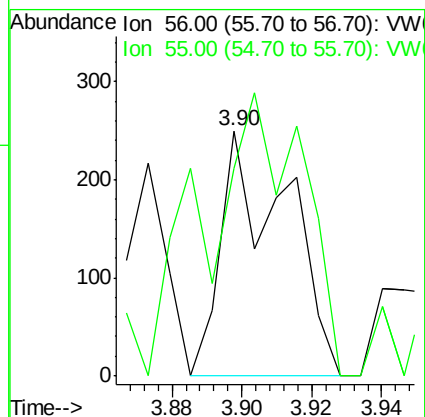
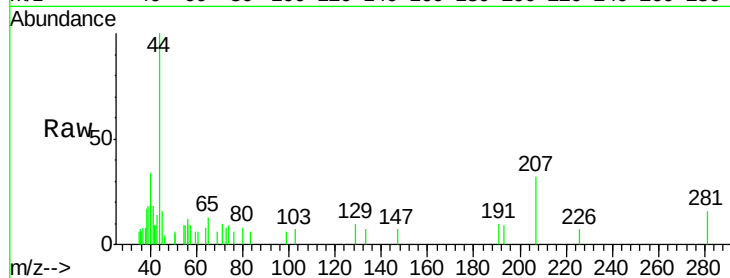
VW0226SBL01

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 173.6 56.9 85.3#



#16

Acetone

Concen: 4.416 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008822.D

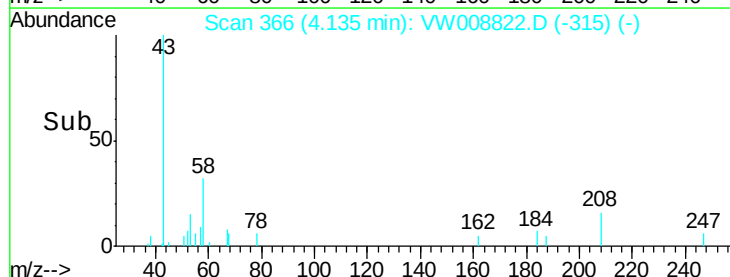
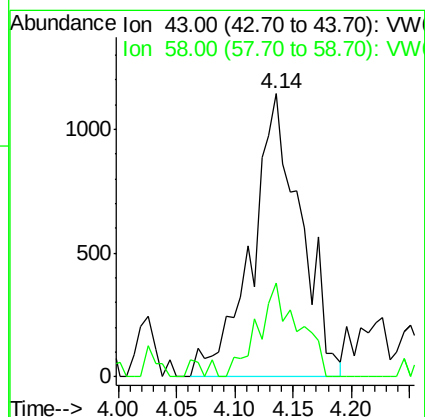
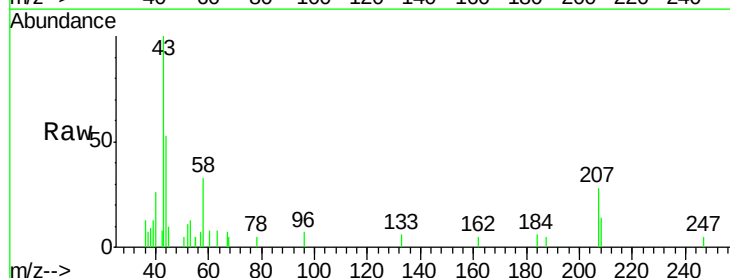
Acq: 26 Feb 2019 11:19

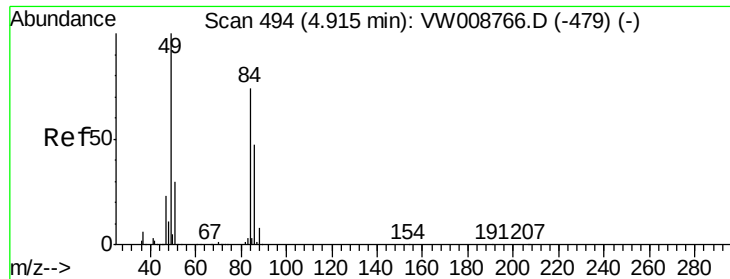
Tgt Ion: 43 Resp: 3347

Ion Ratio Lower Upper

43 100

58 33.4 23.8 35.6

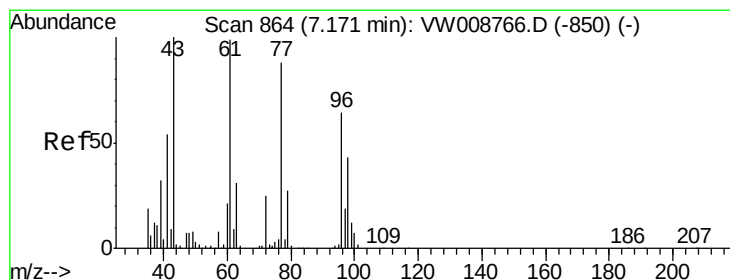
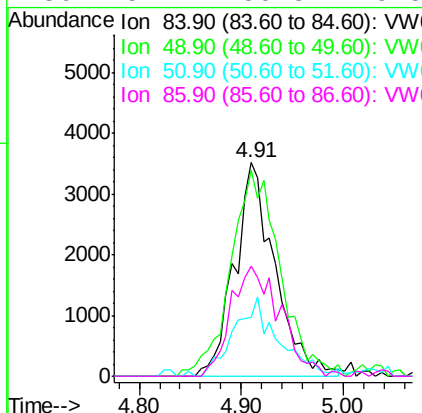
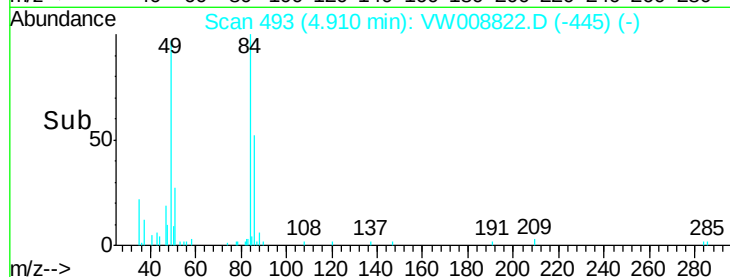
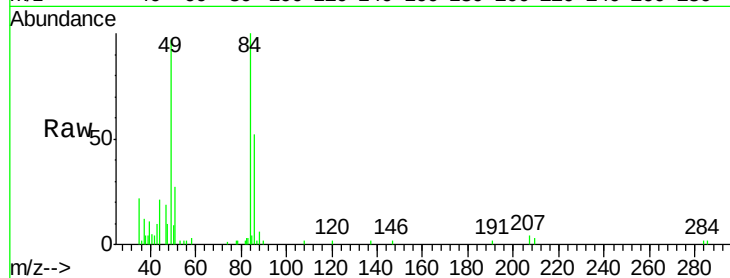




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

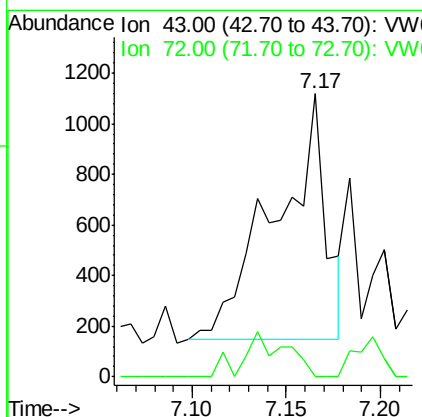
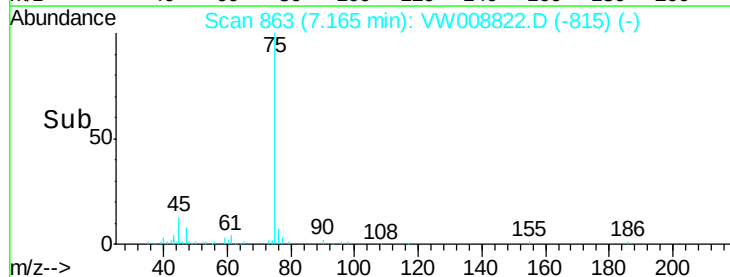
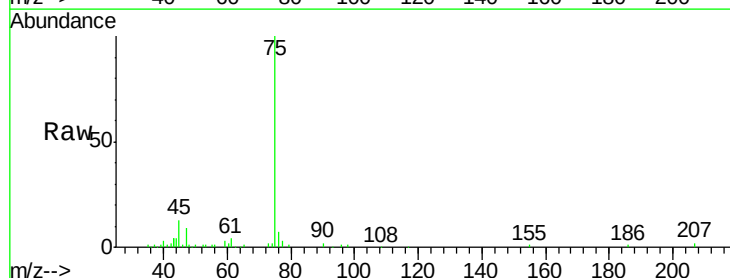
Instrument :
MSVOA_W
ClientSampleId :
VW0226SBL01

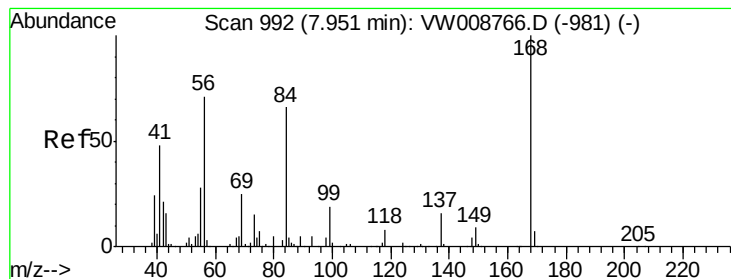
Tot Ion: 84 Resp: 9643
Ion Ratio Lower Upper
84 100
49 93.2 108.2 162.2#
51 25.0 32.7 49.1#
86 51.7 50.3 75.5



#25
2-Butanone
Concen: 1.694 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#





#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBL01

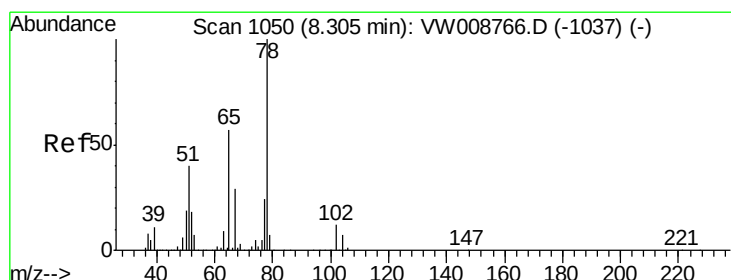
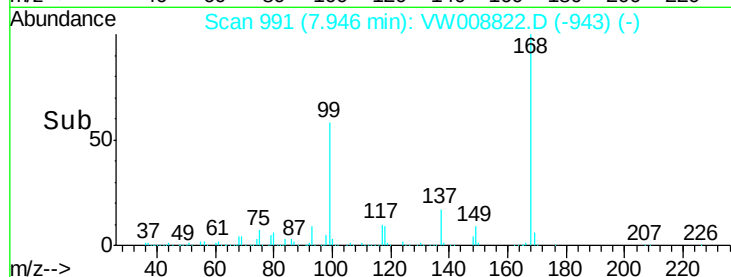
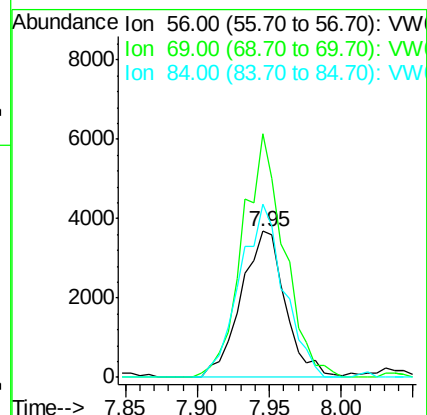
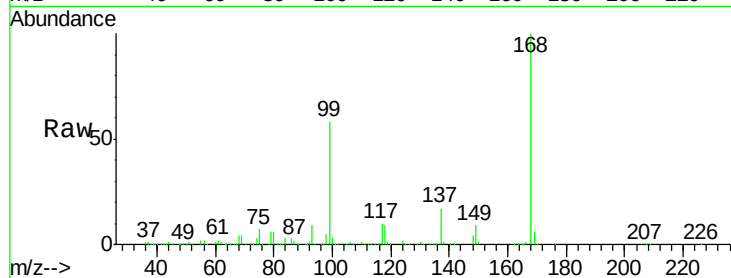
Tot Ion: 56 Resp: 7867

Ion Ratio Lower Upper

56 100

69 166.7 28.2 42.4#

84 118.9 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 56.878 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008822.D

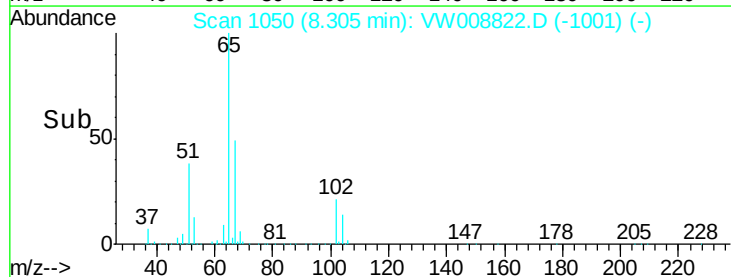
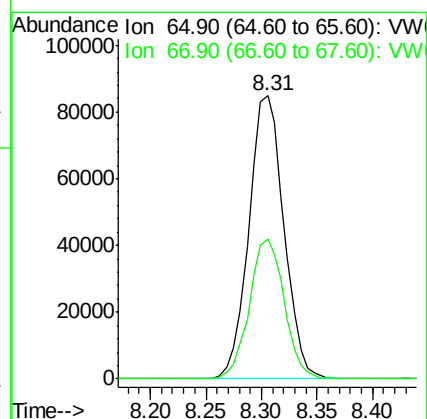
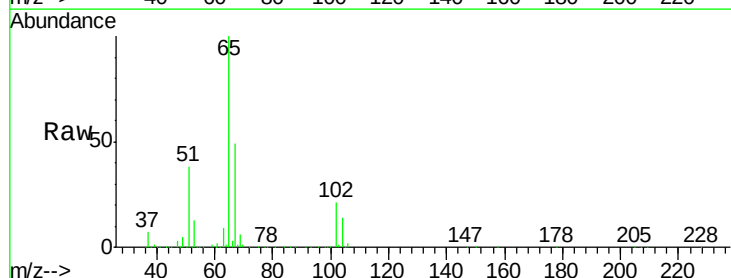
Acq: 26 Feb 2019 11:19

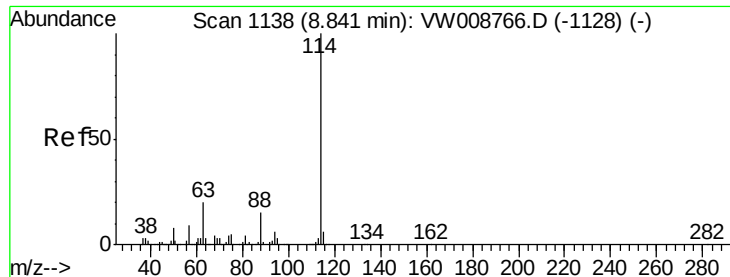
Tgt Ion: 65 Resp: 185986

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBL01

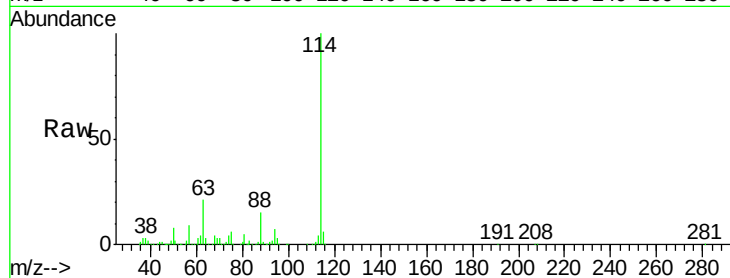
Tot Ion:114 Resp: 536291

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

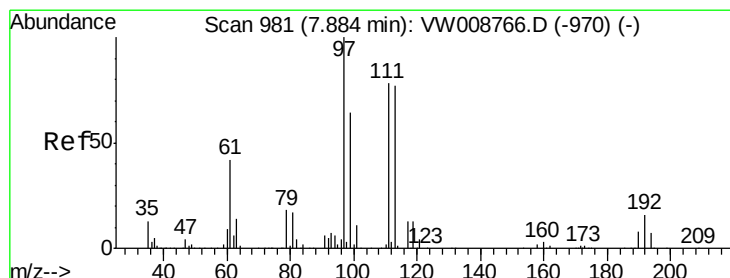
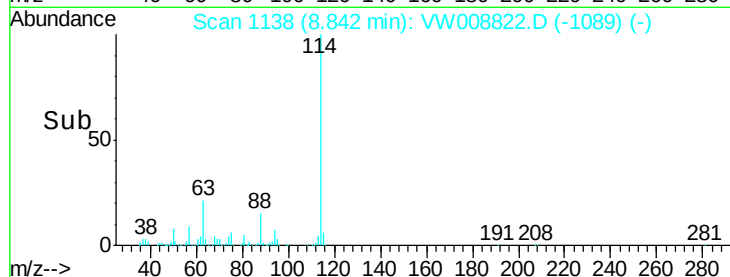
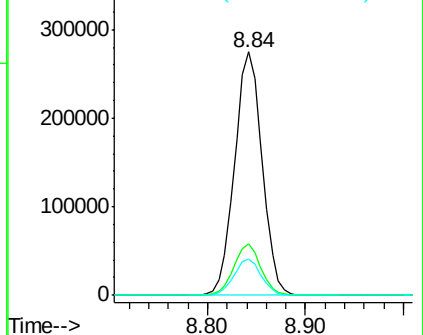
88 15.0 0.0 30.4



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: 52.085 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

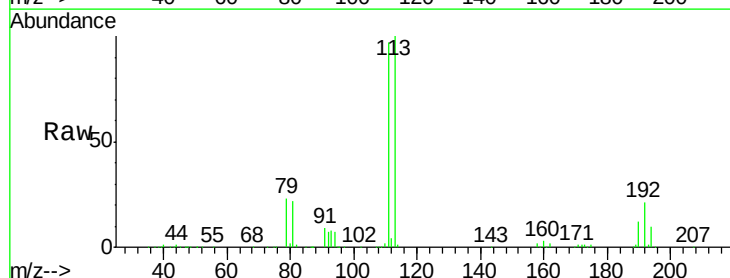
Tgt Ion:113 Resp: 167710

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

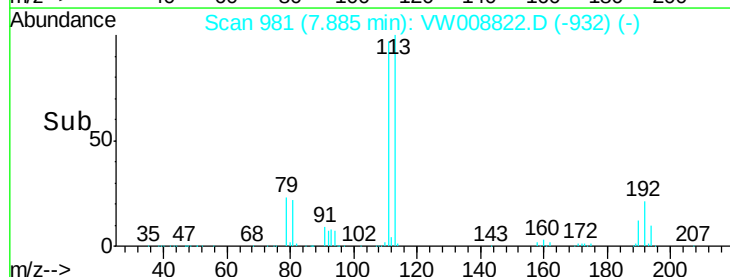
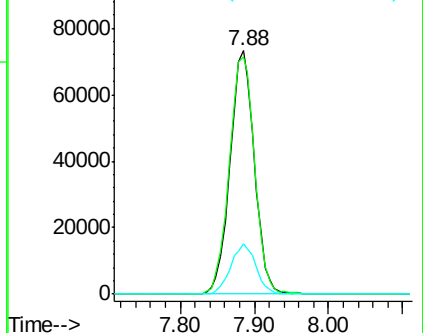
192 21.1 17.1 25.7

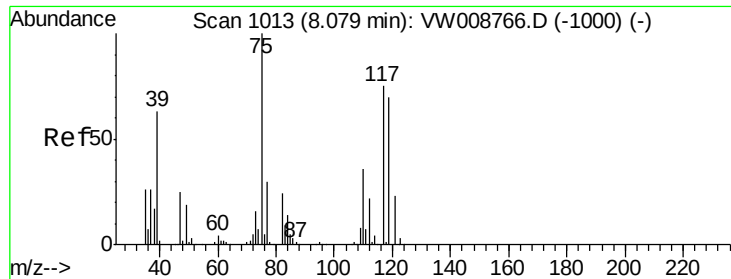


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

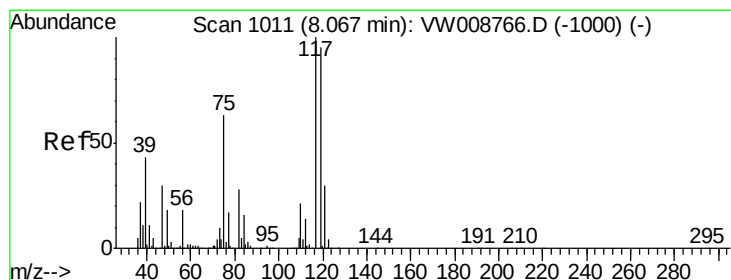
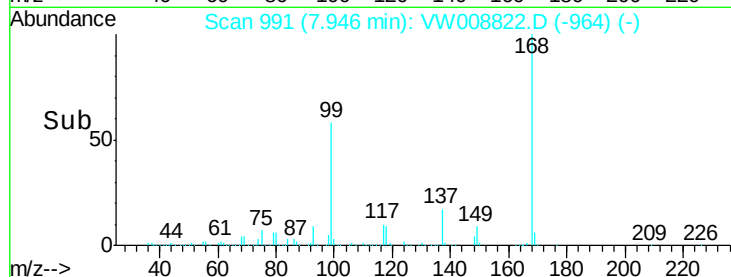
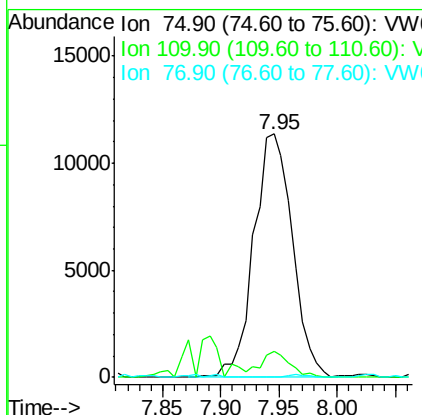
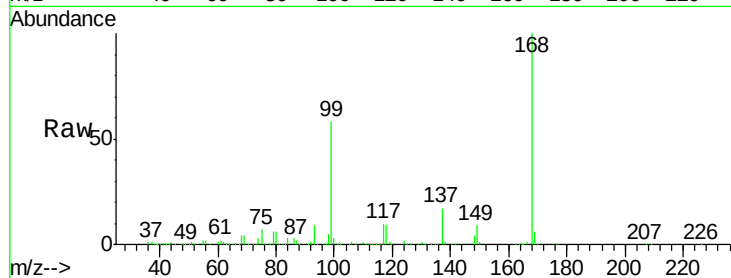




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008822.D
 Acq: 26 Feb 2019 11:19

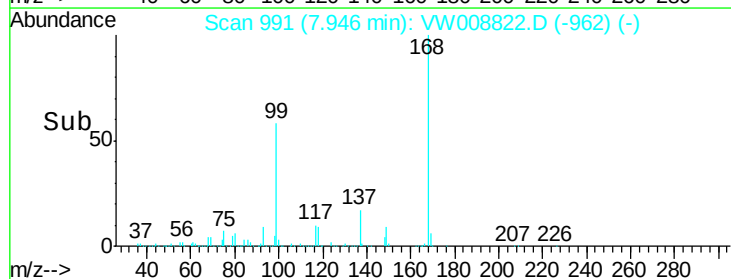
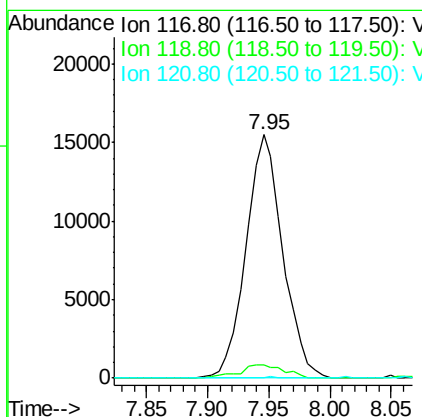
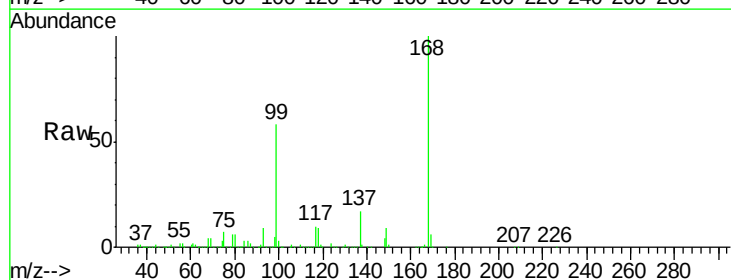
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 VW0226SBL01

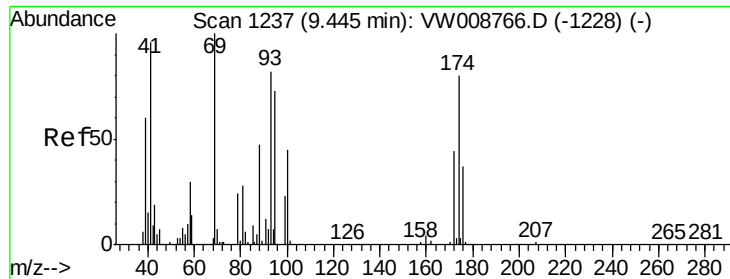
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.5	52.6#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.886 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008822.D
 Acq: 26 Feb 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.1	114.1#
121	0.0	24.0	36.0#

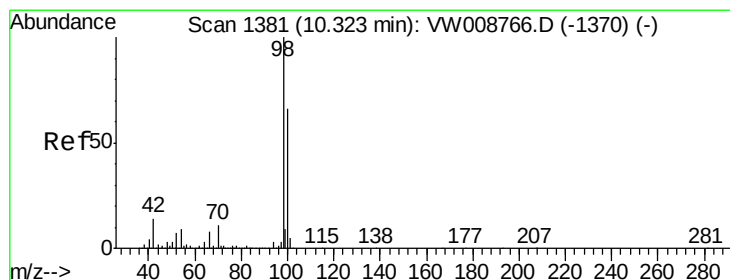
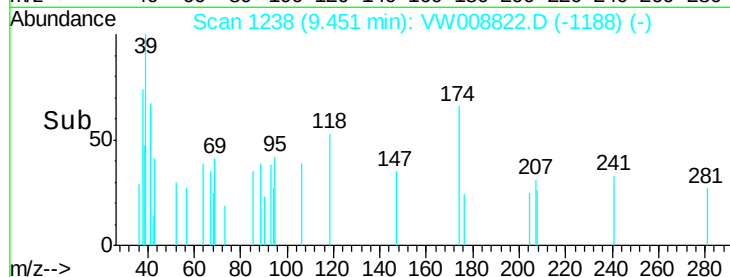
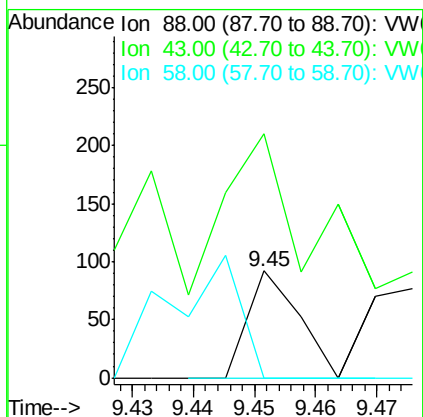
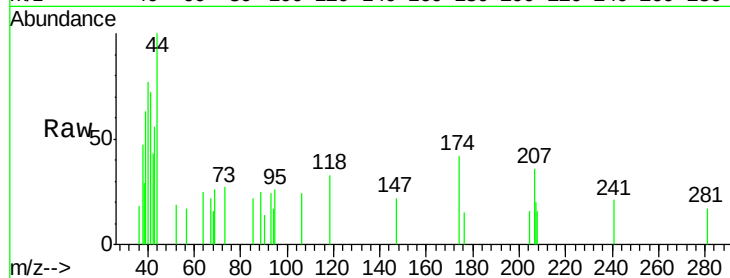




#49
1,4-Dioxane
Concen: 1.689 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

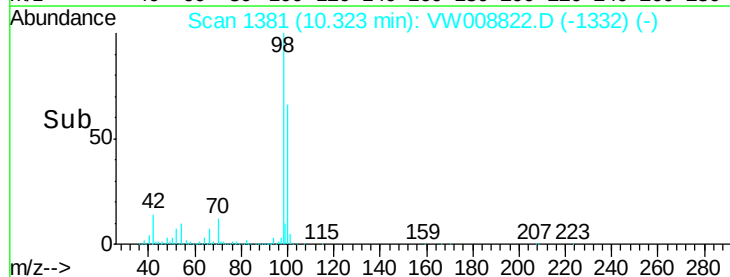
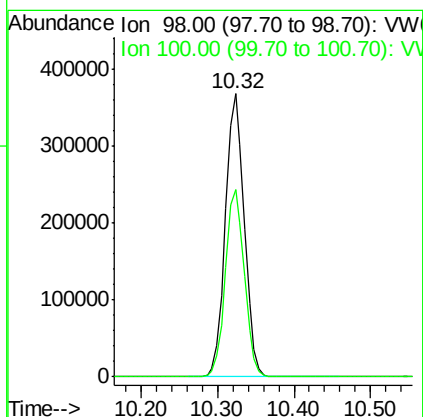
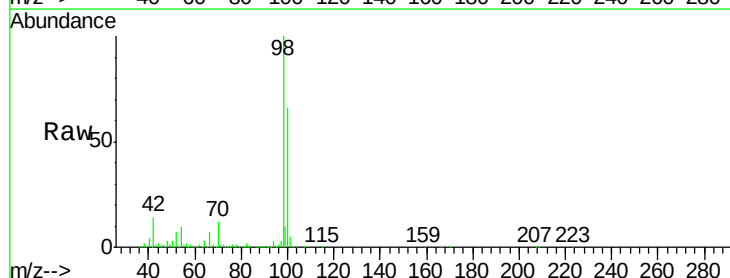
Instrument :
MSVOA_W
ClientSampleId :
VW0226SBL01

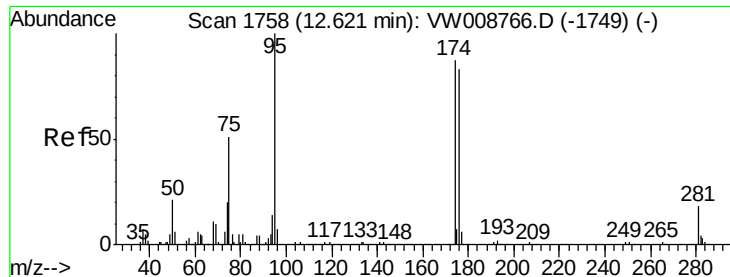
Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 269.8 29.0 43.4#
58 160.4 52.0 78.0#



#50
Toluene-d8
Concen: 50.716 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

Tgt Ion: 98 Resp: 630398
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.007 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBL01

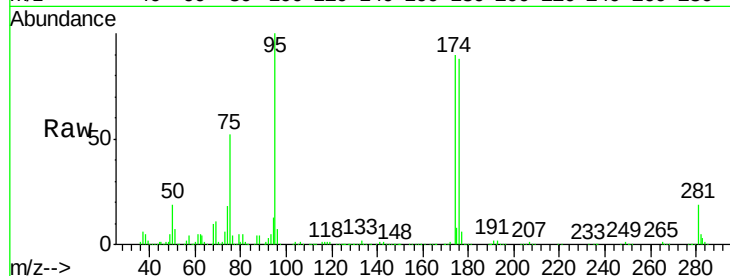
Tot Ion: 95 Resp: 214177

Ion Ratio Lower Upper

95 100

174 86.1 0.0 169.2

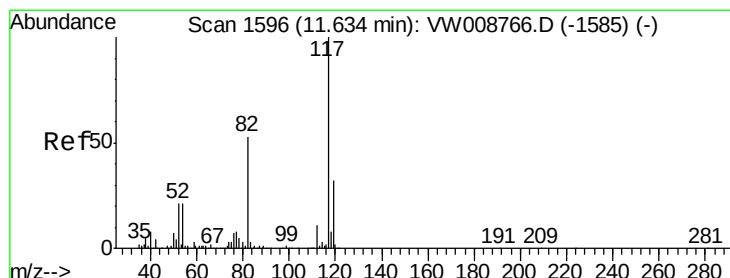
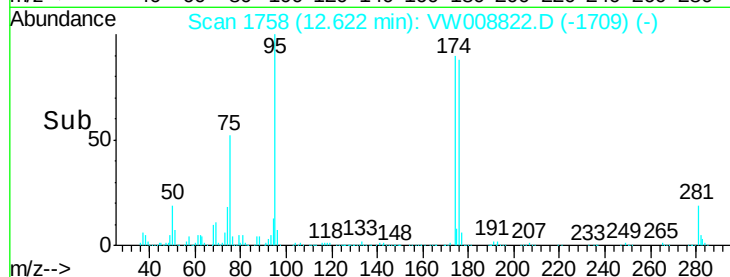
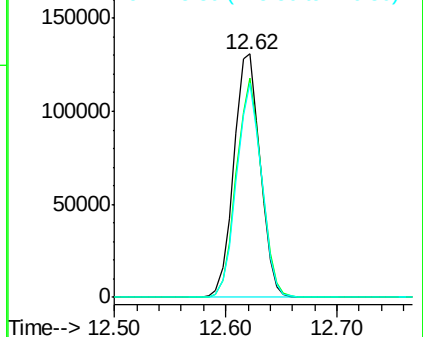
176 83.7 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

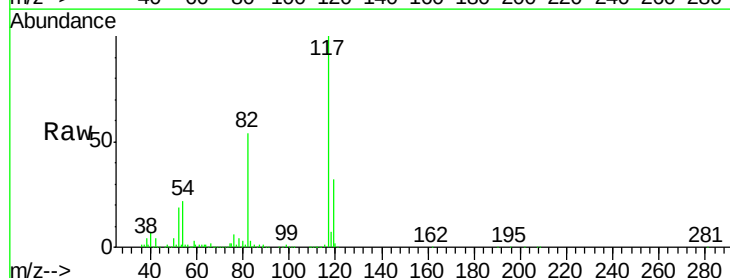
Tgt Ion: 117 Resp: 474233

Ion Ratio Lower Upper

117 100

82 54.5 42.2 63.4

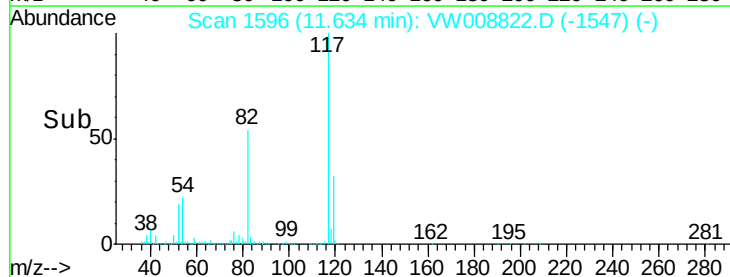
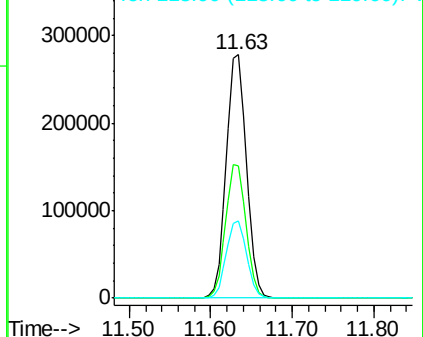
119 31.7 25.9 38.9

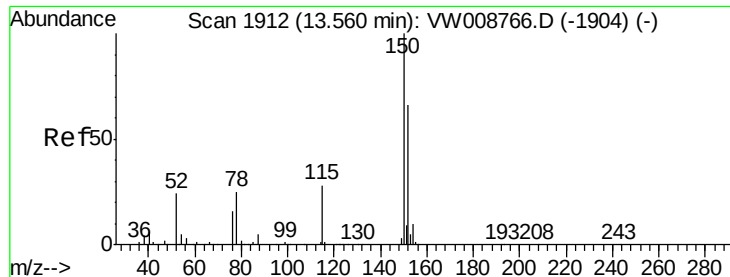


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



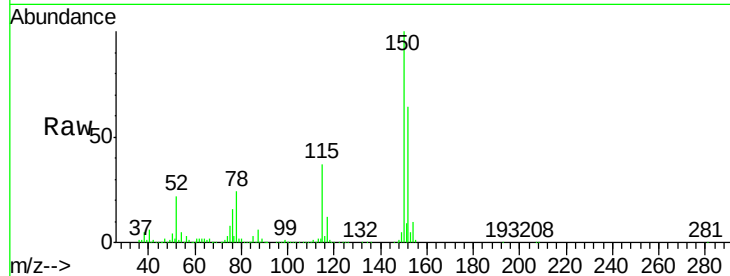


#72

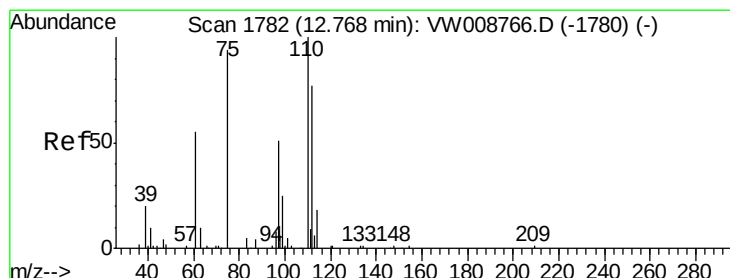
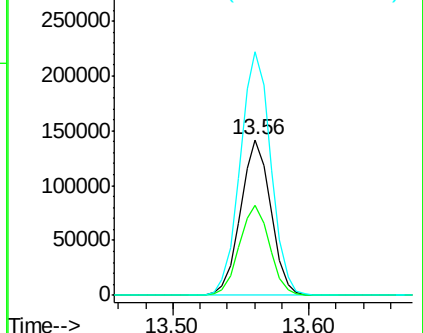
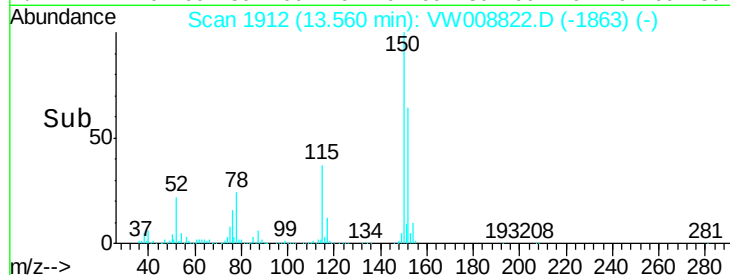
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.6	85.8
150	159.1	0.0	348.0



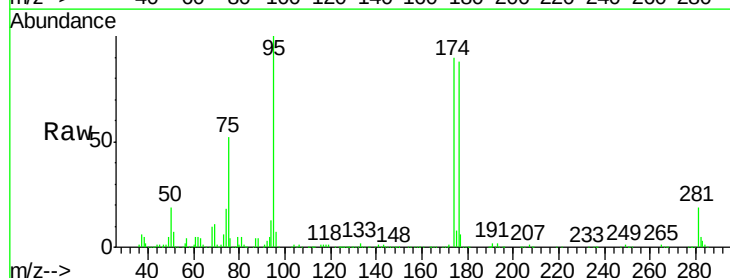
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



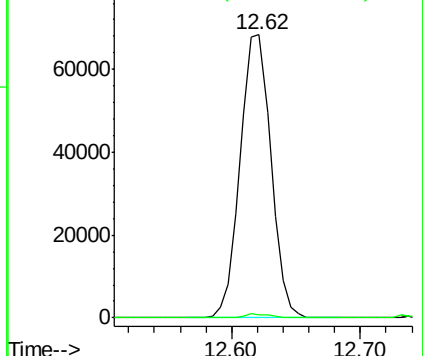
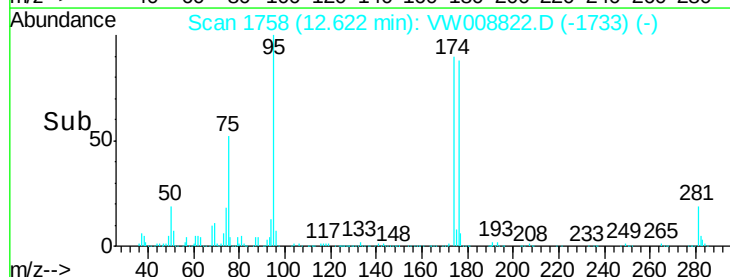
#76

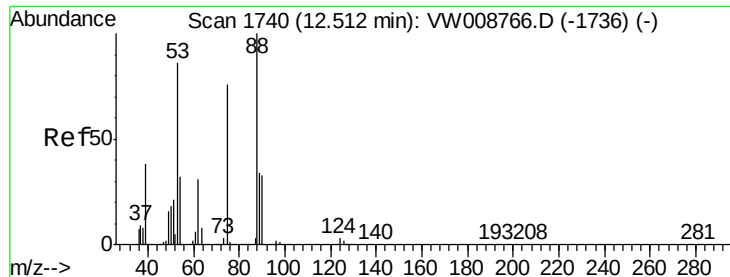
1,2,3-Trichloropropane
Concen: 62.413 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008822.D
Acq: 26 Feb 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



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: 151.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008822.D

Acq: 26 Feb 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBL01

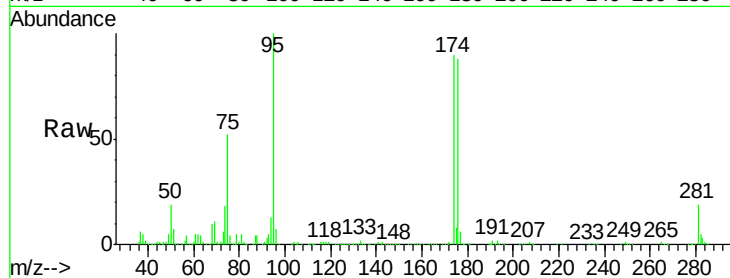
Tot Ion: 75 Resp: 113325

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.0 39.5 59.3#



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

