

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008562.D
 Acq On : 07 Feb 2019 19:30
 Operator : SY/VA
 Sample : K1390-14
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-X

Quant Time: Feb 08 22:43:38 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	494843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	803257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	664107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	283160	58.25	ug/l	0.00
Spiked Amount			Recovery	=	116.50%	
35) Dibromofluoromethane	7.88	113	253991	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	10.32	98	931629	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	282625	39.04	ug/l	0.00
Spiked Amount			Recovery	=	78.08%	

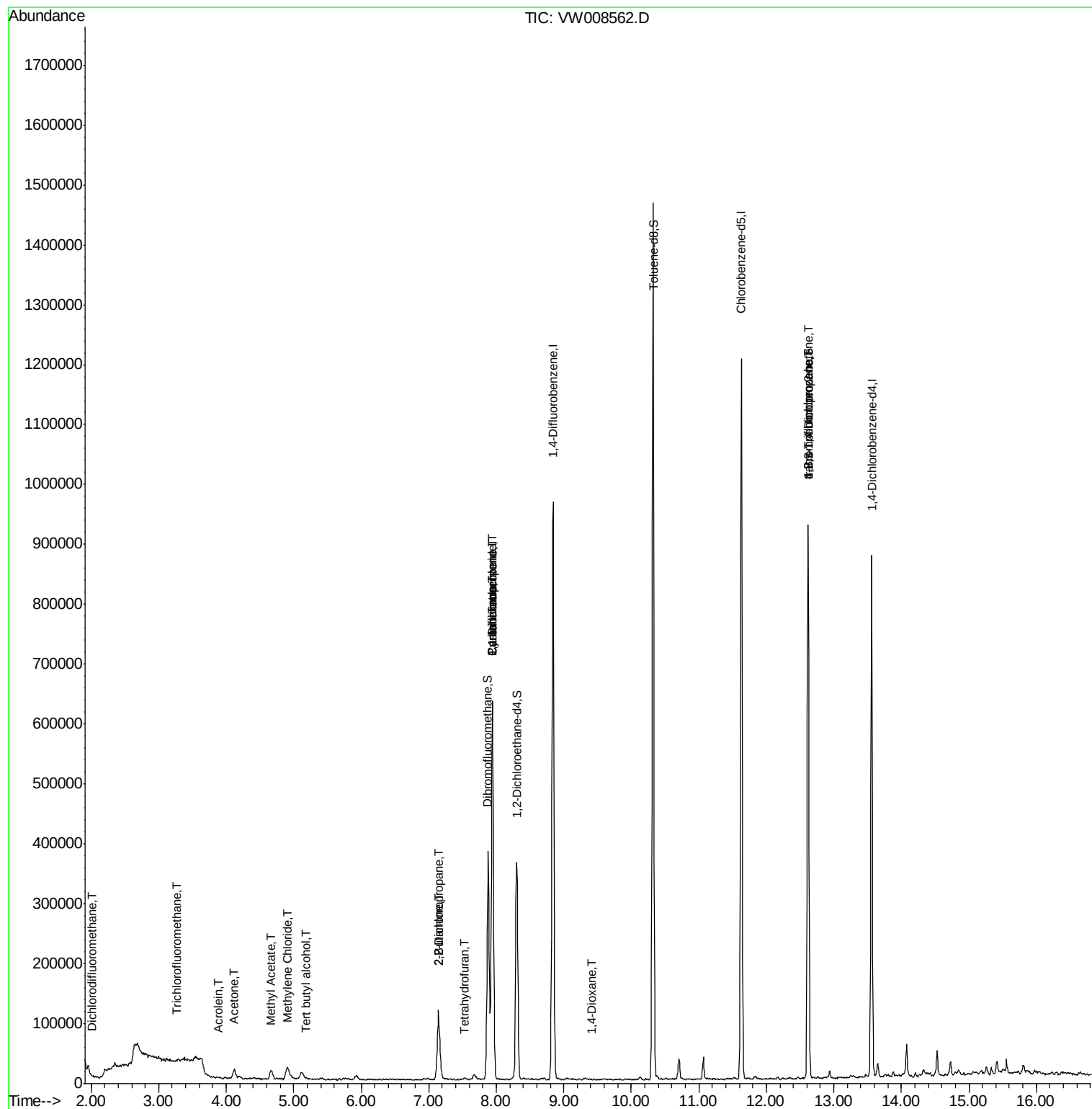
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	135	3.297	ug/l #	12
7) Trichlorofluoromethane	3.26	101	305	4.787	ug/l	94
11) Tert butyl alcohol	5.18	59	1222	3.122	ug/l #	14
13) Acrolein	3.89	56	762	6.355	ug/l #	14
16) Acetone	4.12	43	25655	23.500	ug/l	92
18) Methyl Acetate	4.67	43	29816	10.240	ug/l	97
20) Methylene Chloride	4.90	84	17992	3.576	ug/l #	81
25) 2-Butanone	7.14	43	7568	4.991	ug/l #	79
26) 2,2-Dichloropropane	7.15	77	7865	1.261	ug/l #	53
29) Tetrahydrofuran	7.52	42	1185	1.233	ug/l #	83
31) Cyclohexane	7.95	56	11397	1.195	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	38079	5.019	ug/l #	50
38) Carbon Tetrachloride	7.95	117	46123	6.041	ug/l #	17
49) 1,4-Dioxane	9.40	88	147	3.221	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	147219	76.274	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	147219	150.647	ug/l #	12

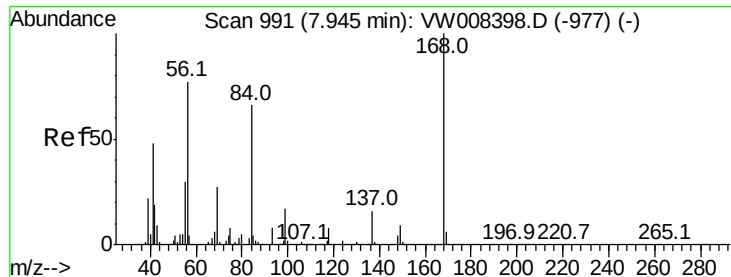
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008562.D

Acq: 07 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampled :

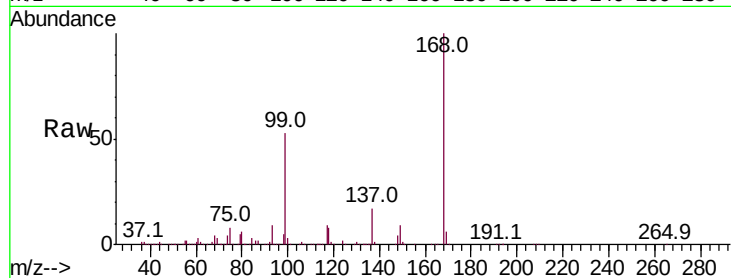
DUPE-X

Tot Ion:168 Resp: 494843

Ion Ratio Lower Upper

168 100

99 52.8 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

250000

200000

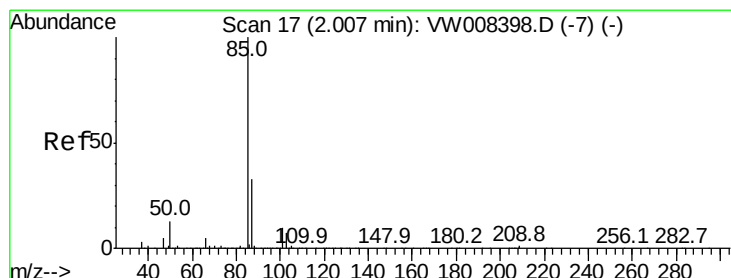
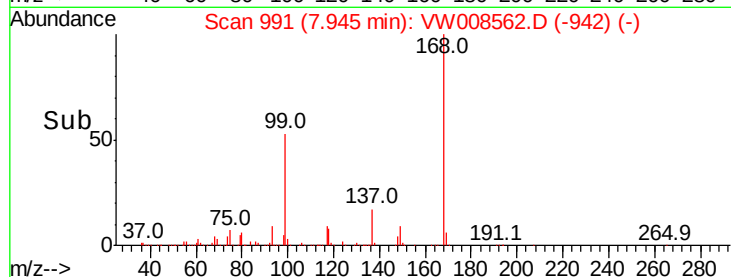
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.297 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008562.D

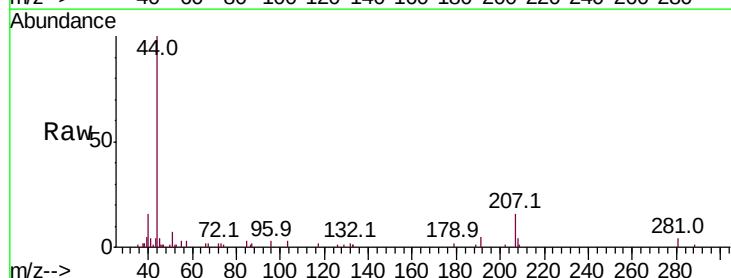
Acq: 07 Feb 2019 19:30

Tgt Ion: 85 Resp: 135

Ion Ratio Lower Upper

85 100

87 83.5 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

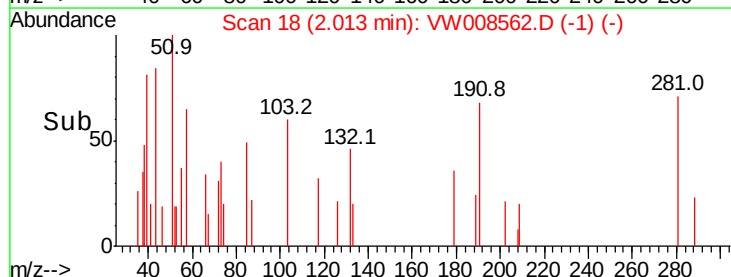
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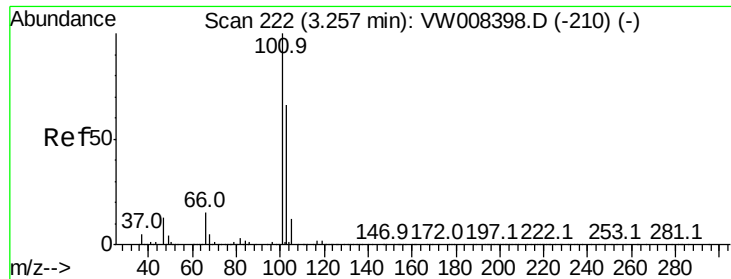
100

50

0

Time-->



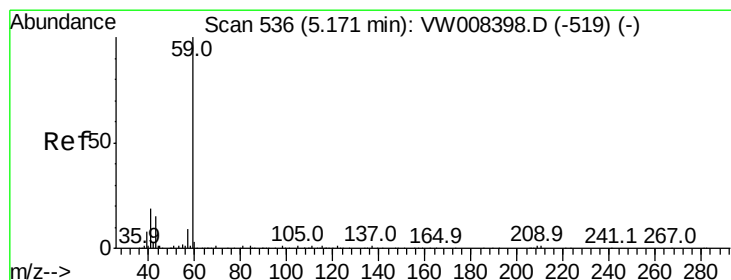
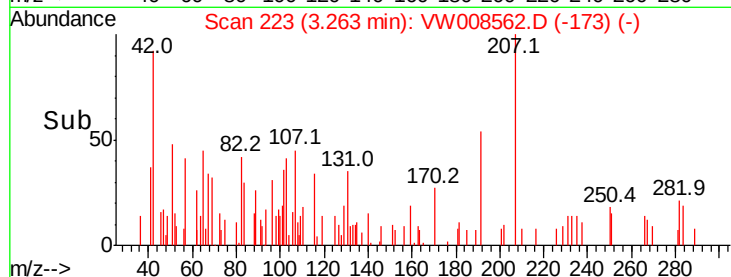
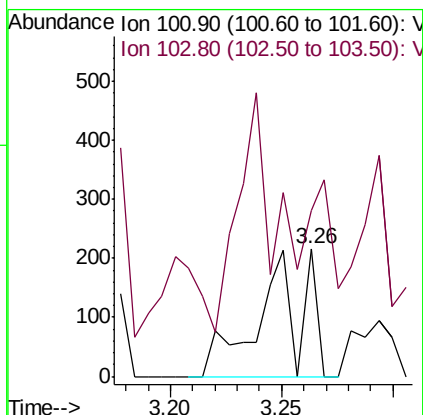
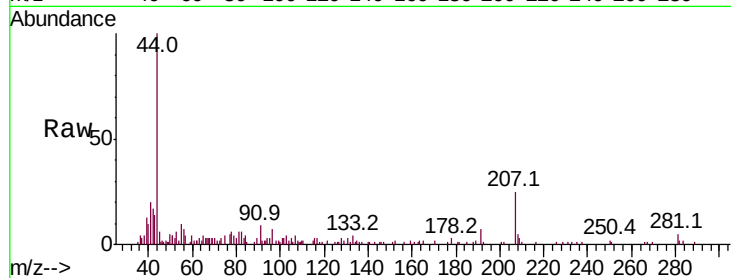


#7

Trichlorofluoromethane
Concen: 4.787 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Instrument :
MSVOA_W
ClientSampled :
DUPE-X

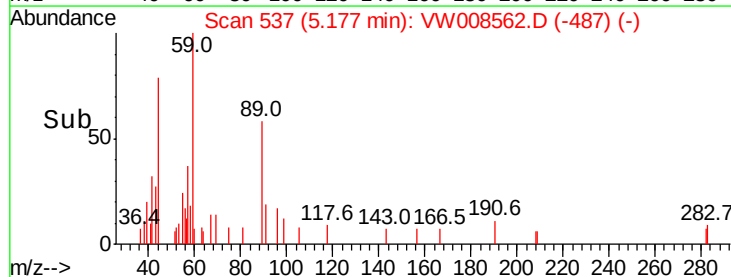
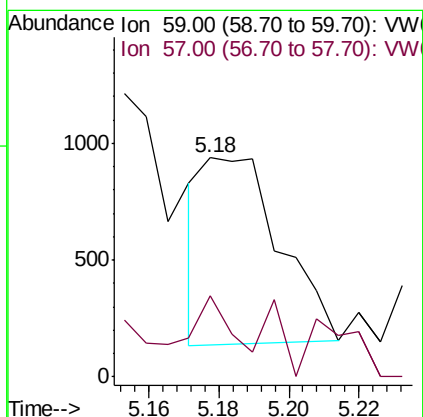
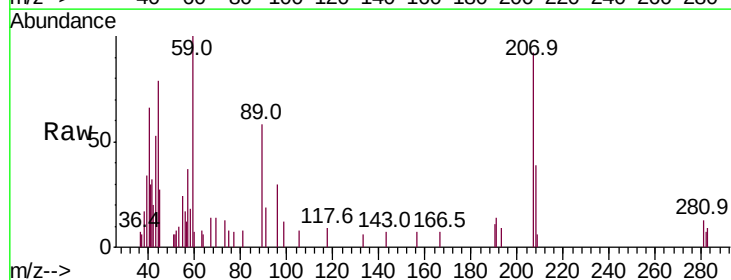
Tot Ion:101 Resp: 305
Ion Ratio Lower Upper
101 100
103 60.8 52.5 78.7

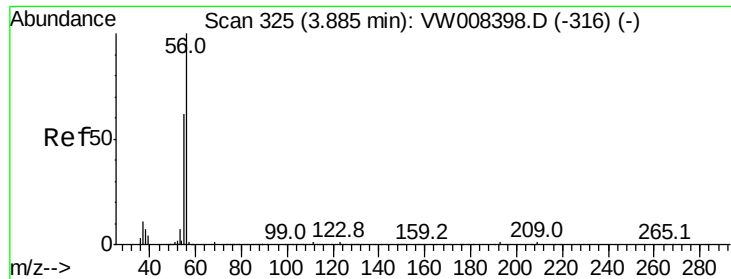


#11

Tert butyl alcohol
Concen: 3.122 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Tgt Ion: 59 Resp: 1222
Ion Ratio Lower Upper
59 100
57 44.6 9.3 13.9#

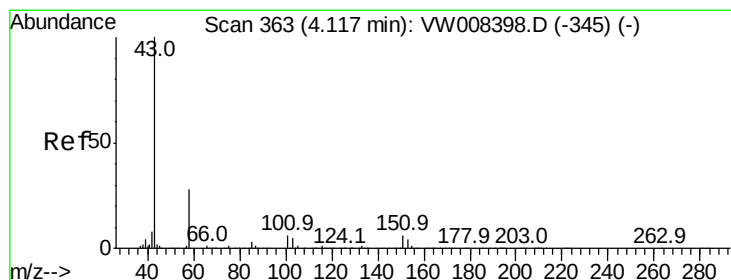
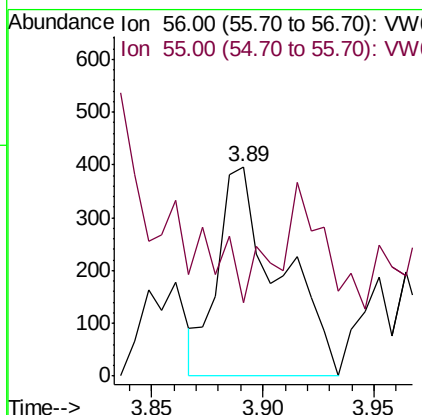
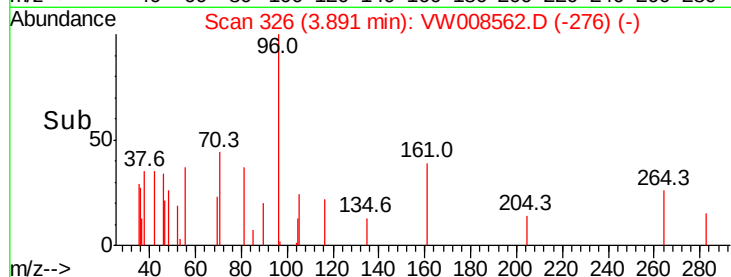
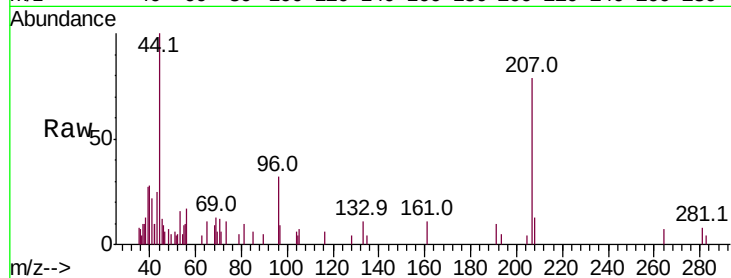




#13
Acrolein
Concen: 6.355 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

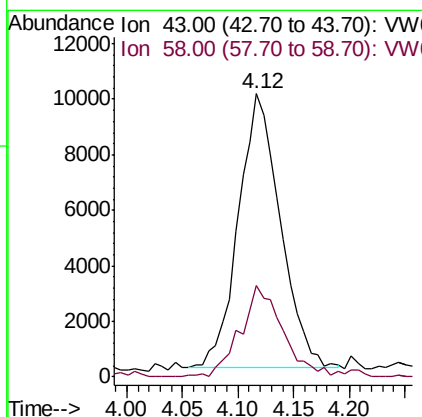
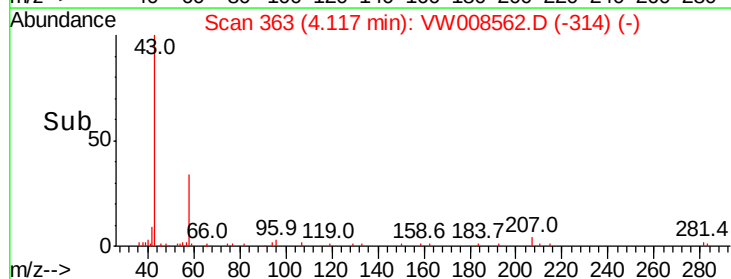
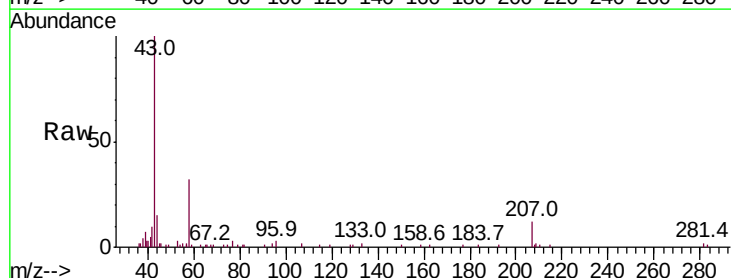
Instrument :
MSVOA_W
ClientSampleId :
DUPE-X

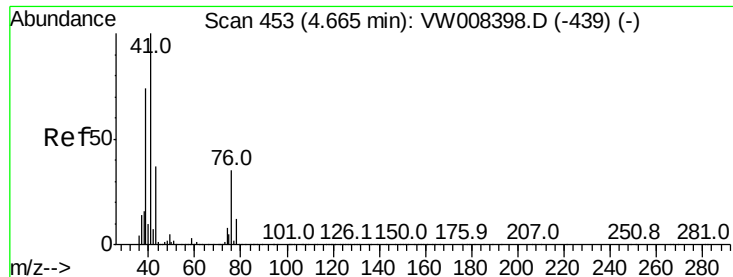
Tot Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 23.500 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Tgt Ion: 43 Resp: 25655
Ion Ratio Lower Upper
43 100
58 32.5 22.6 34.0

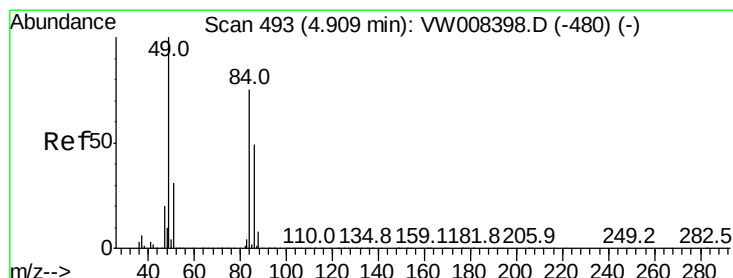
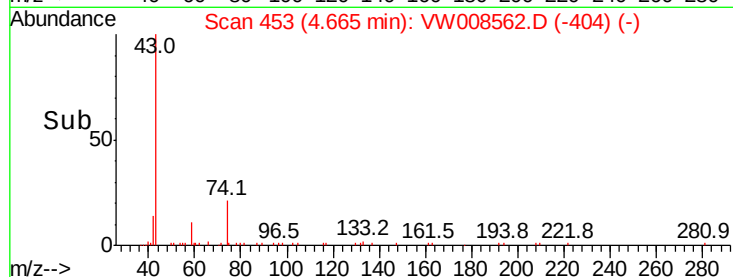
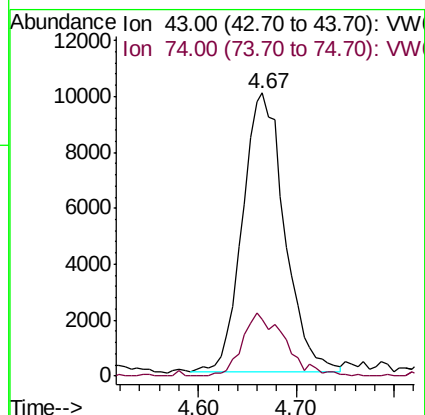
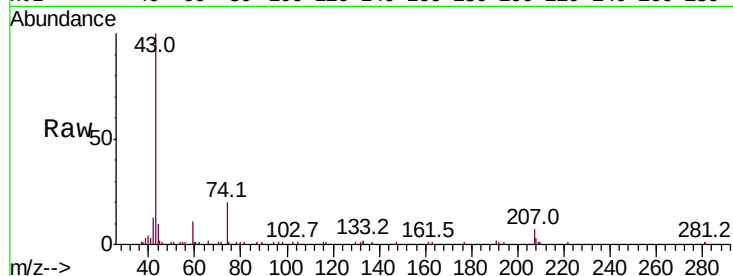




#18
Methyl Acetate
Concen: 10.240 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

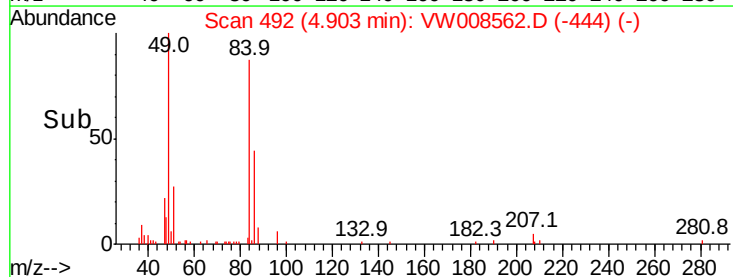
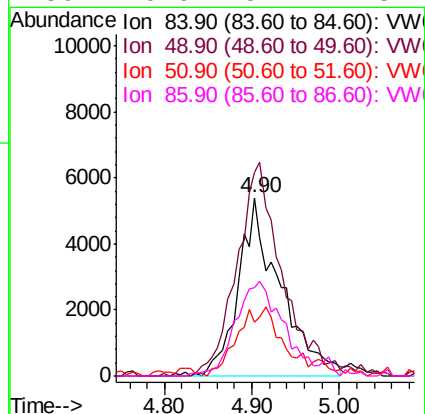
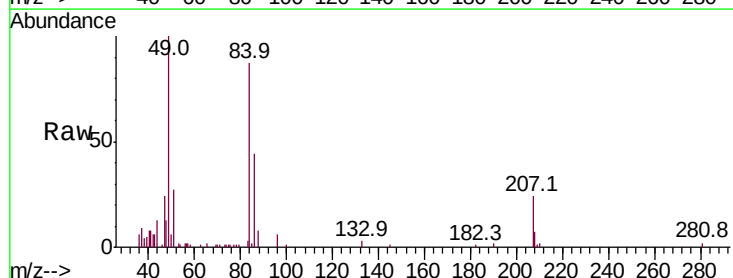
Instrument :
MSVOA_W
ClientSampleId :
DUPE-X

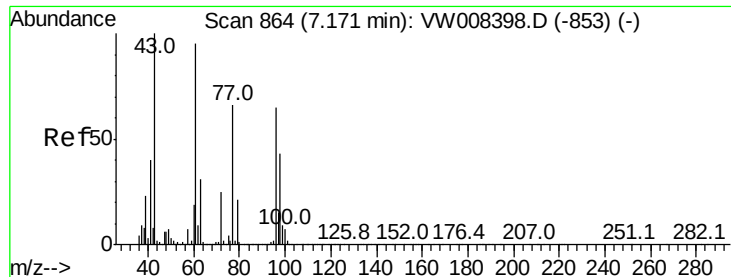
Tot Ion: 43 Resp: 29816
Ion Ratio Lower Upper
43 100
74 23.2 17.5 26.3



#20
Methylene Chloride
Concen: 3.576 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Tgt Ion: 84 Resp: 17992
Ion Ratio Lower Upper
84 100
49 112.4 106.8 160.2
51 26.8 32.9 49.3#
86 49.9 52.2 78.2#

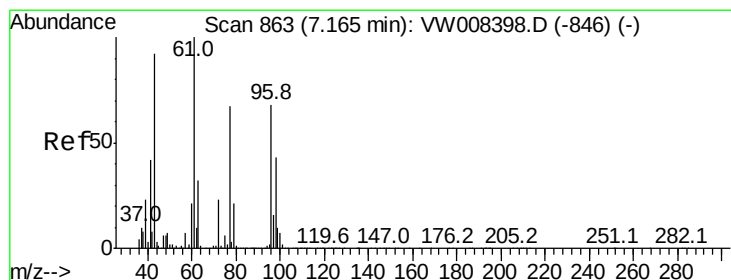
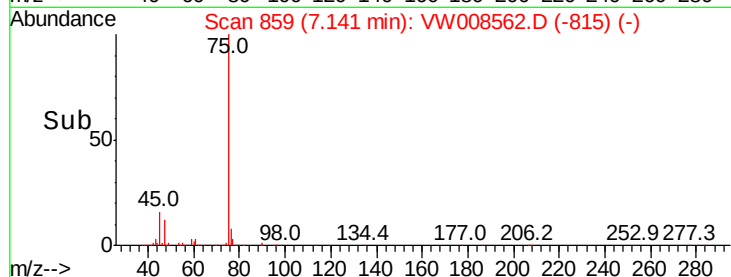
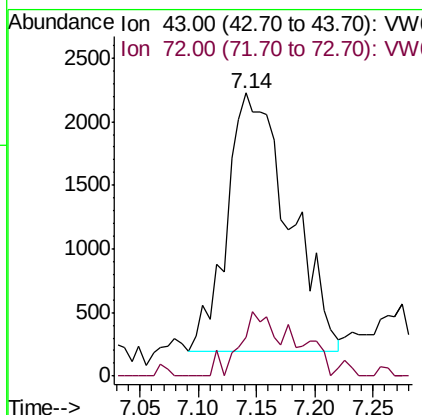
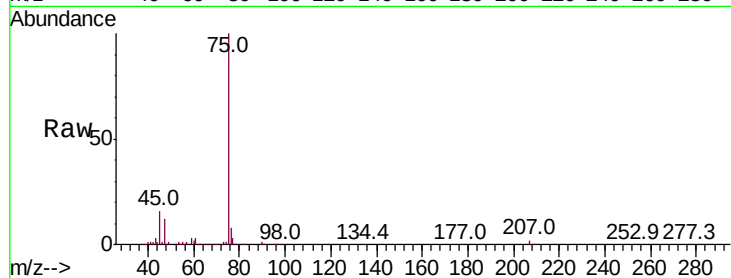




#25
2-Butanone
Concen: 4.991 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

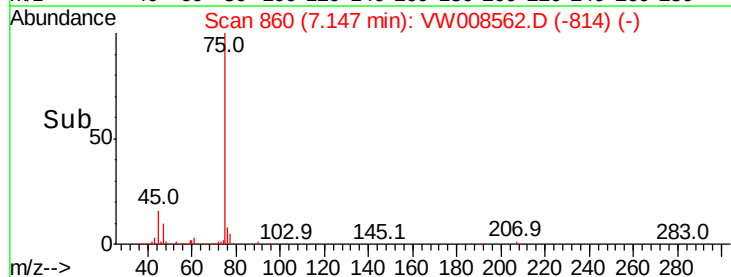
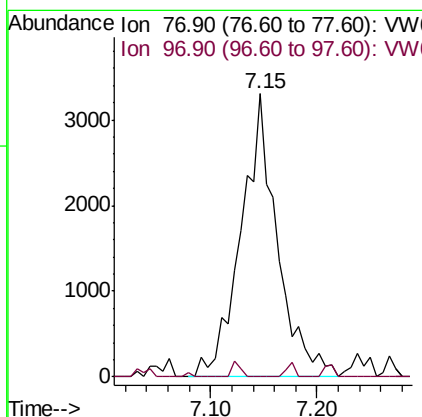
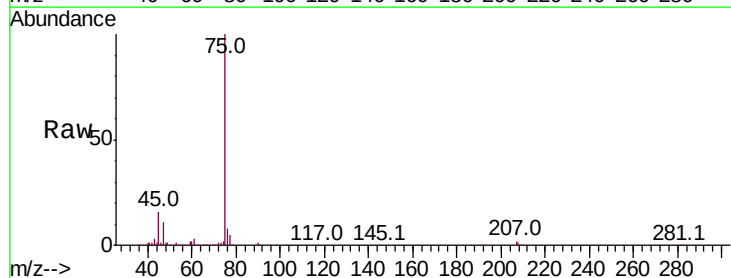
Instrument :
MSVOA_W
ClientSampleId :
DUPE-X

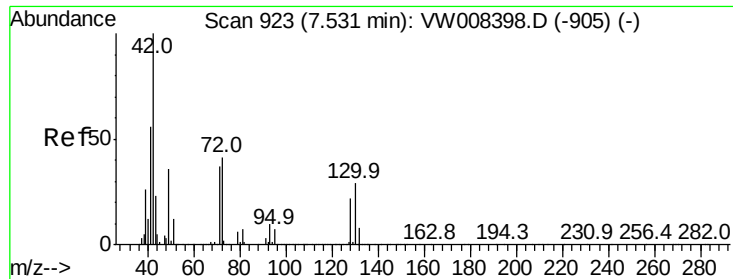
Tot Ion: 43 Resp: 7568
Ion Ratio Lower Upper
43 100
72 14.8 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 1.261 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Tgt Ion: 77 Resp: 7865
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#





#29

Tetrahydrofuran

Concen: 1.233 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampleID :

DUPE-X

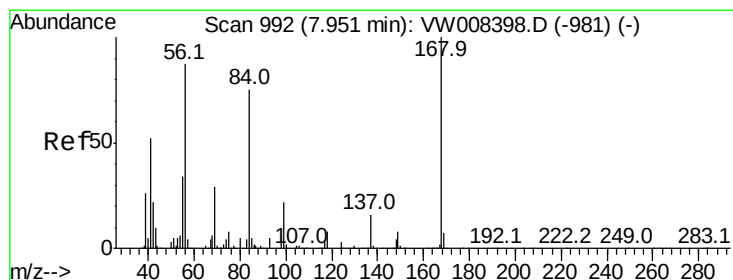
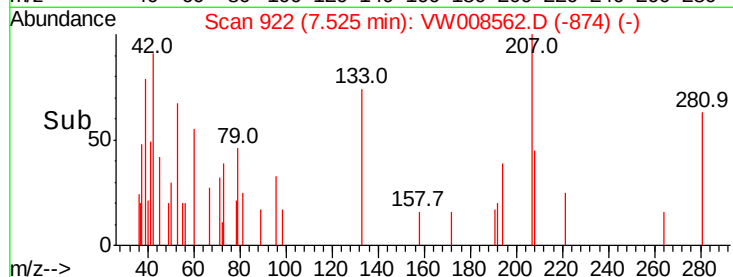
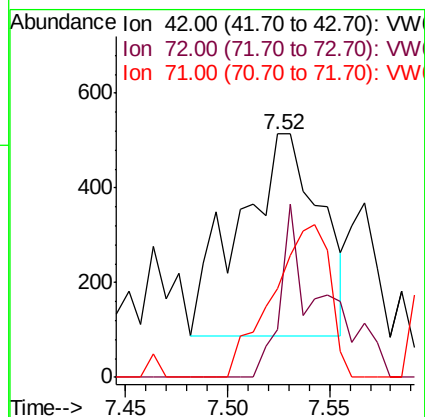
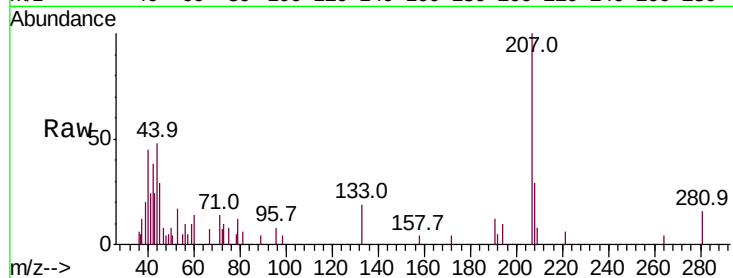
Tot Ion: 42 Resp: 1185

Ion Ratio Lower Upper

42 100

72 44.1 31.9 47.9

71 53.6 29.9 44.9#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

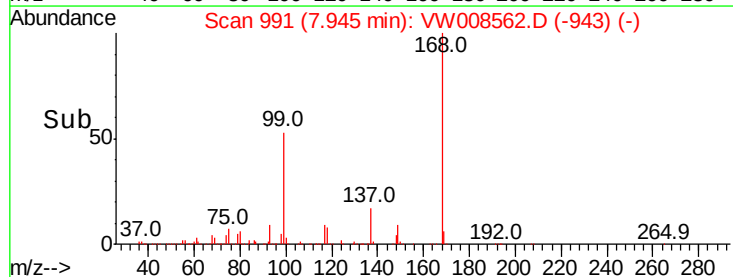
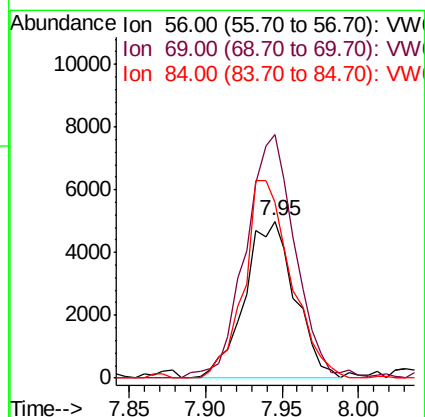
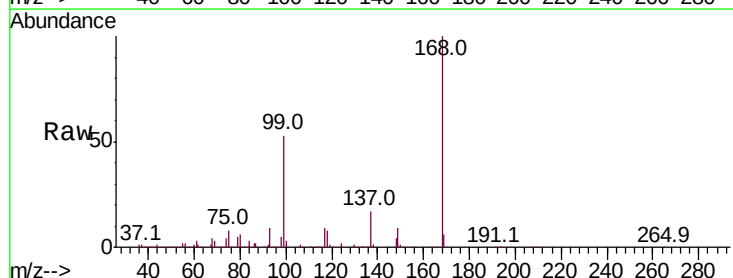
Tgt Ion: 56 Resp: 11397

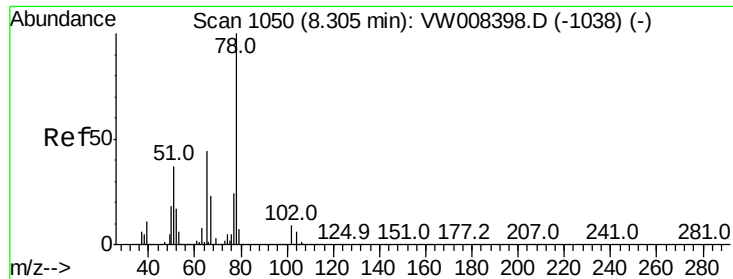
Ion Ratio Lower Upper

56 100

69 151.5 26.4 39.6#

84 112.2 69.1 103.7#

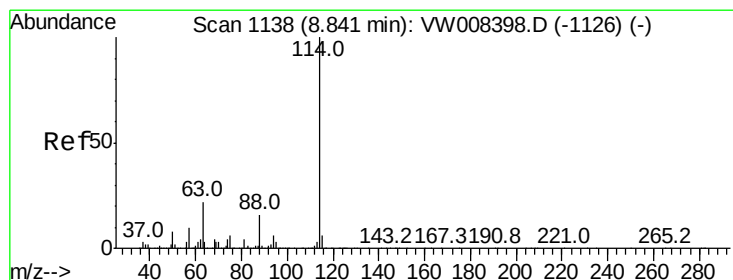
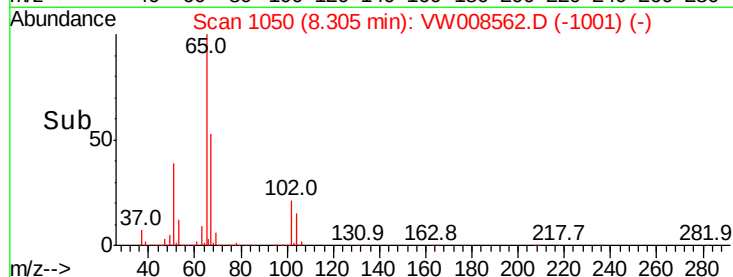
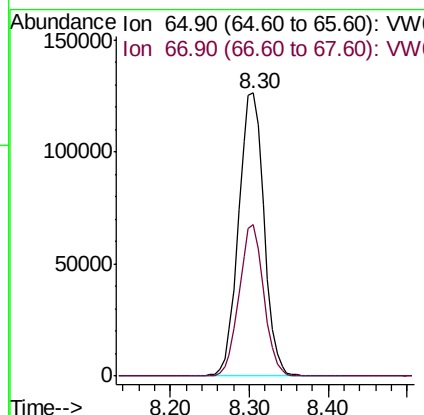
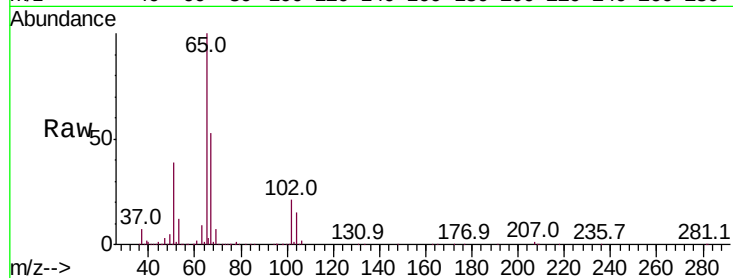




#33
 1,2-Dichloroethane-d4
 Concen: 58.247 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008562.D
 Acq: 07 Feb 2019 19:30

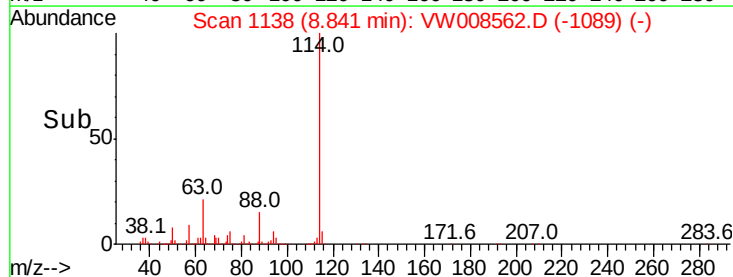
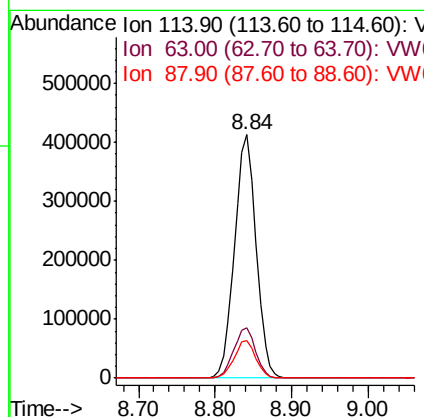
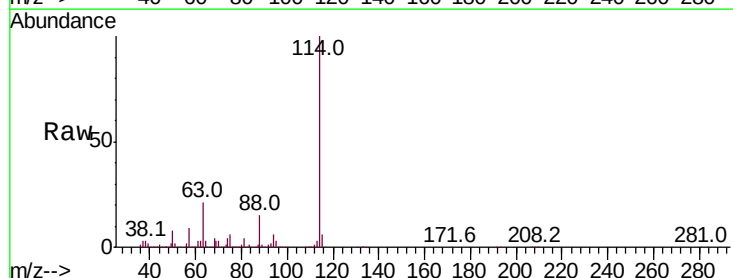
Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-X

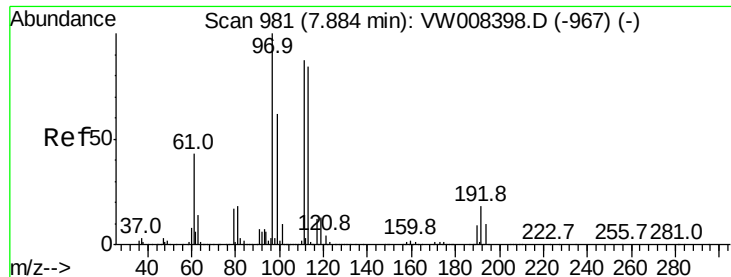
Tot Ion: 65 Resp: 283160
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008562.D
 Acq: 07 Feb 2019 19:30

Tgt Ion: 114 Resp: 803257
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.6
 88 15.3 0.0 31.8

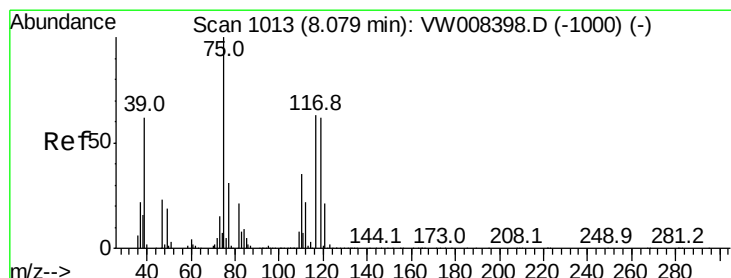
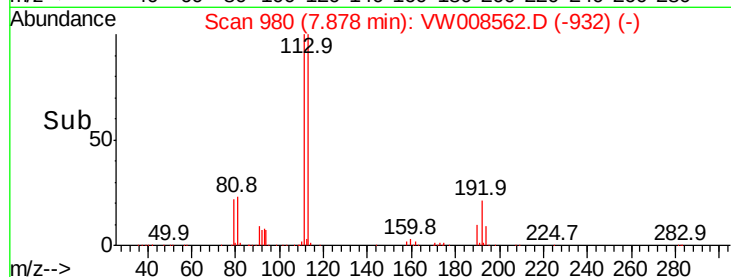
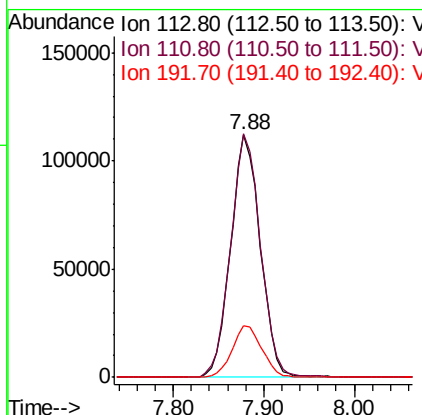
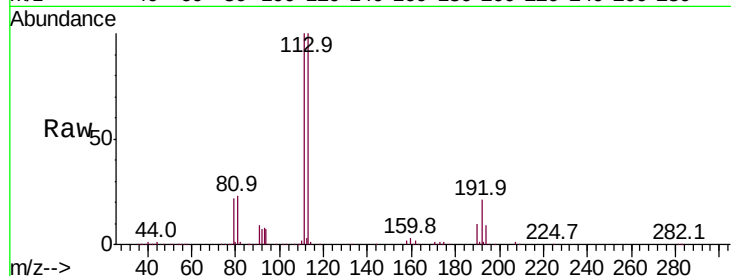




#35
 Dibromofluoromethane
 Concen: 54.076 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008562.D
 Acq: 07 Feb 2019 19:30

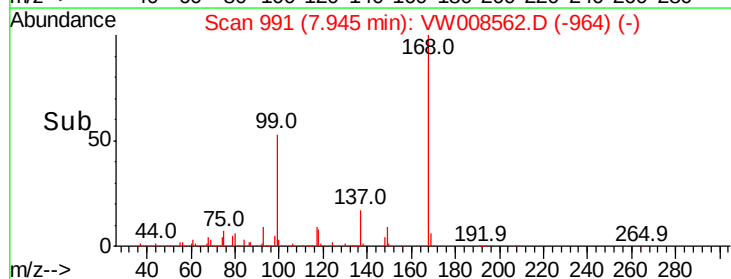
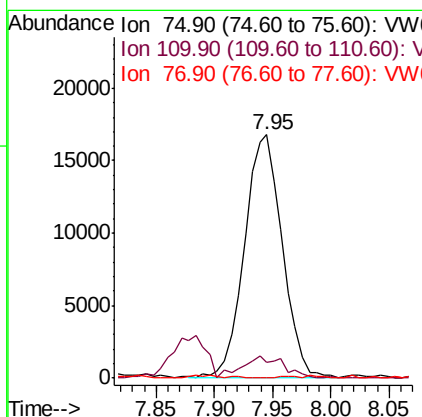
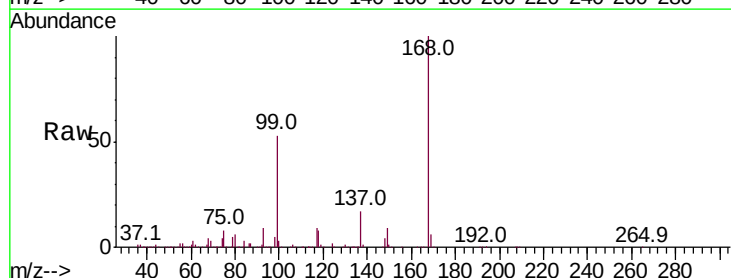
Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-X

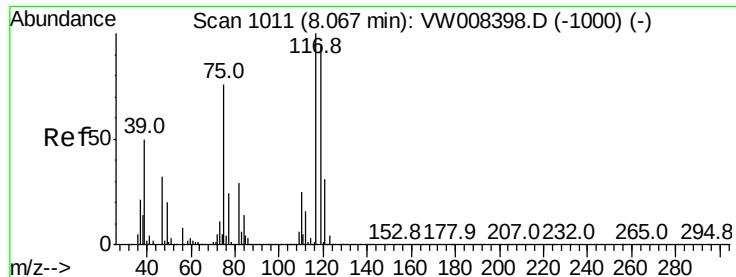
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.0	121.4
192	21.3	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008562.D
 Acq: 07 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	52.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampled :

DUPE-X

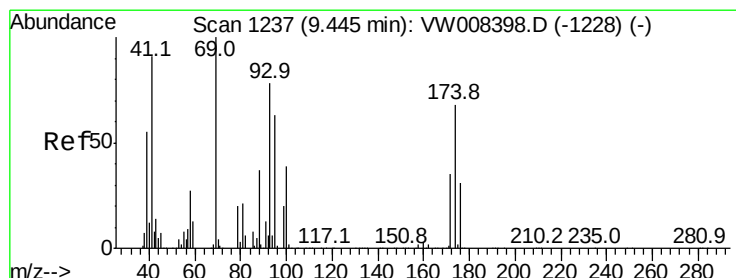
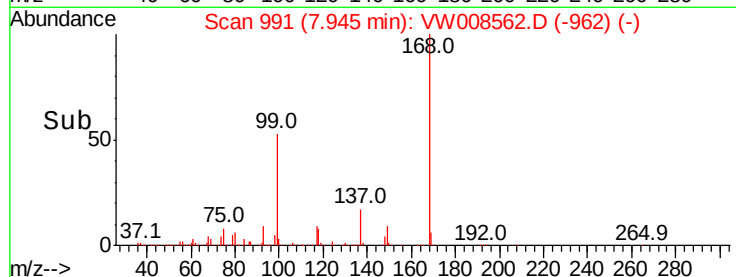
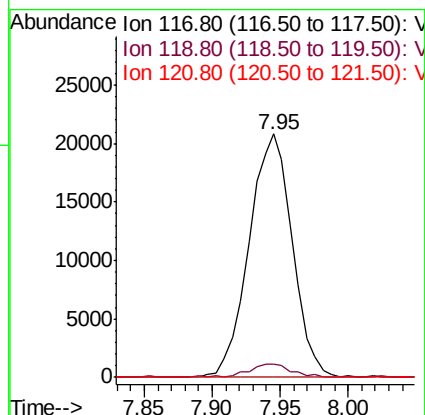
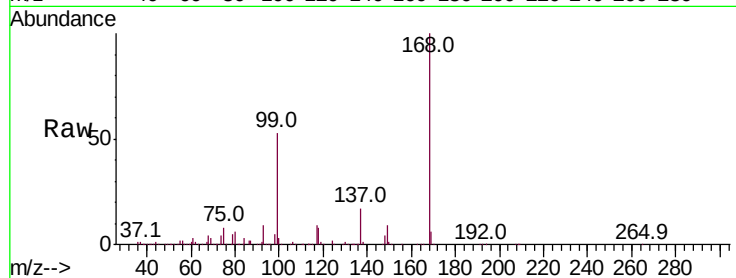
Tot Ion:117 Resp: 46123

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.4#

121 0.0 24.9 37.3#



#49

1,4-Dioxane

Concen: 3.221 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. -0.04 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

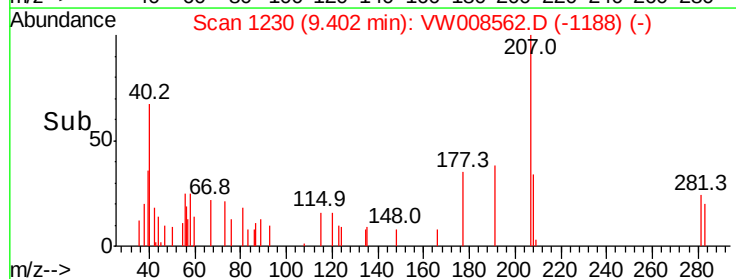
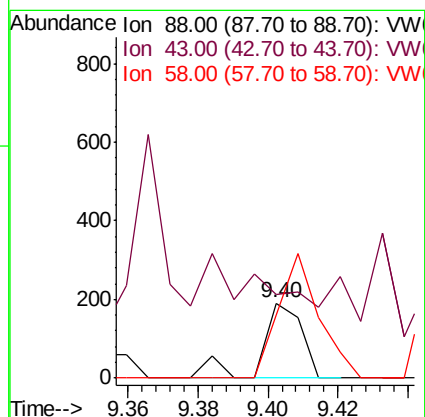
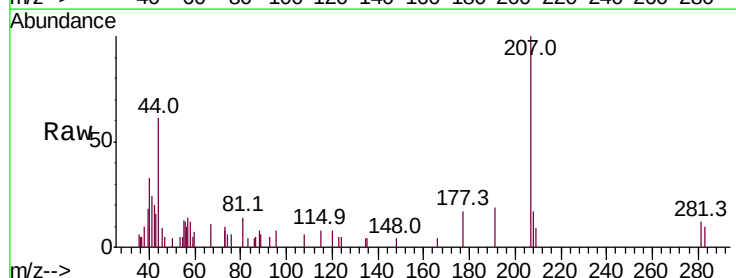
Tgt Ion: 88 Resp: 147

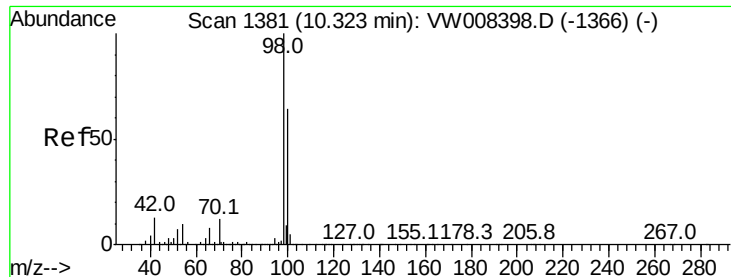
Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 172.8 56.4 84.6#





#50

Toluene-d8

Concen: 49.463 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

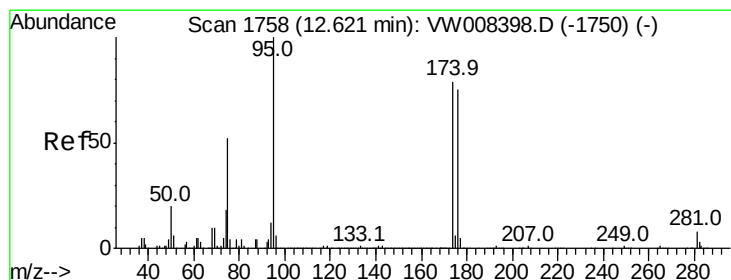
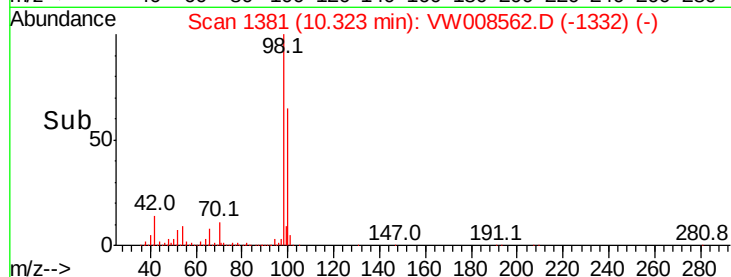
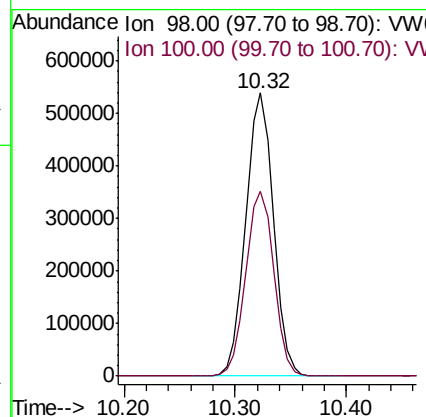
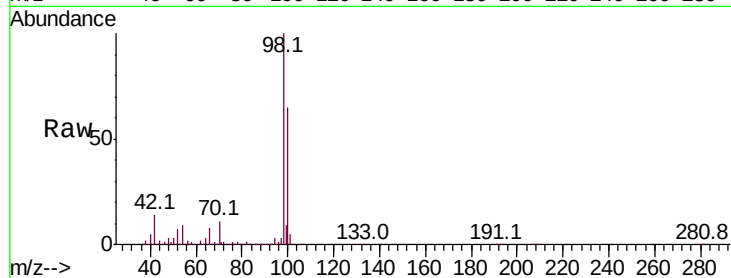
DUPE-X

Tot Ion: 98 Resp: 931629

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 39.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

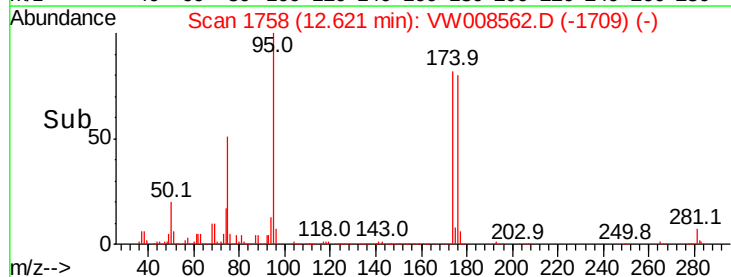
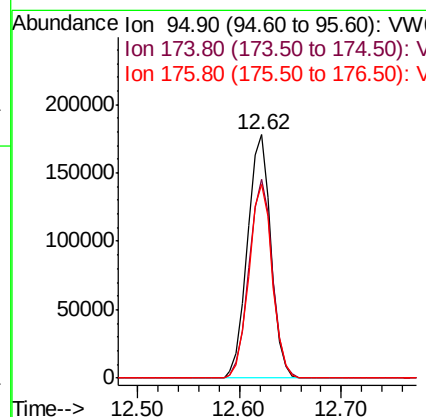
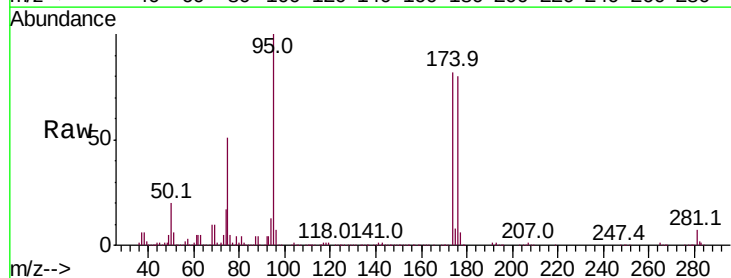
Tgt Ion: 95 Resp: 282625

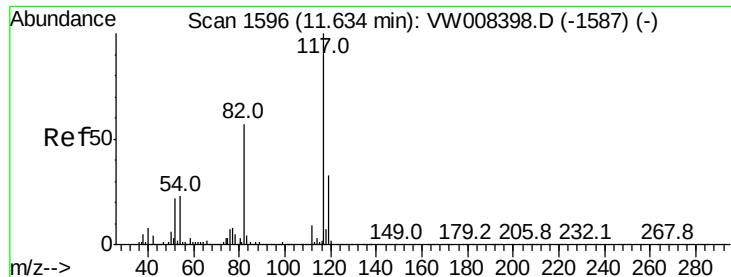
Ion Ratio Lower Upper

95 100

174 82.0 0.0 157.6

176 79.6 0.0 151.8

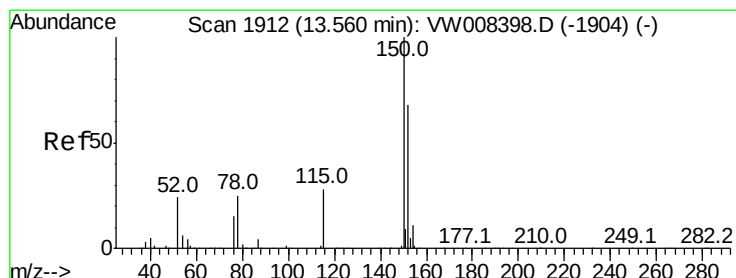
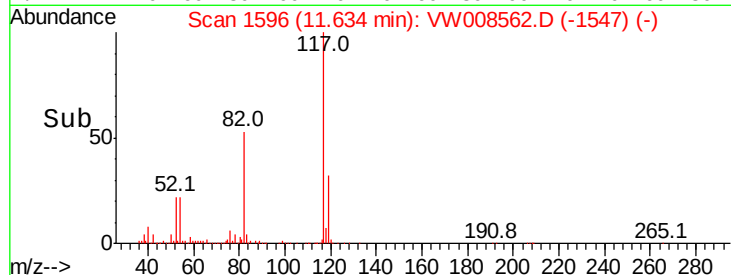
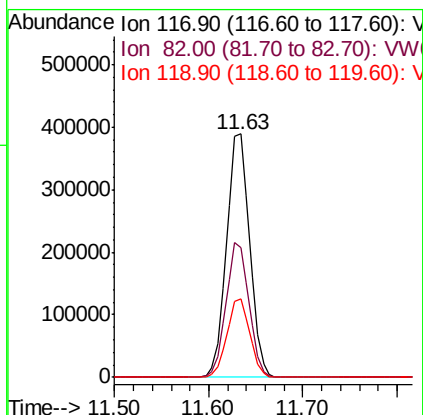
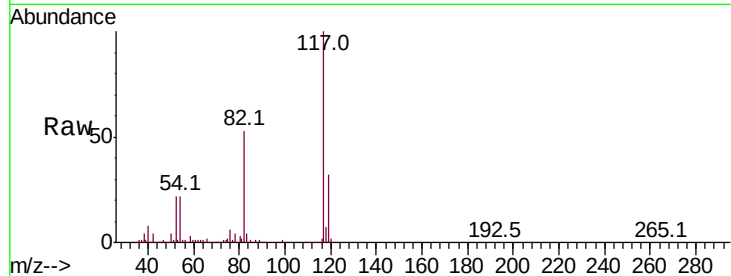




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

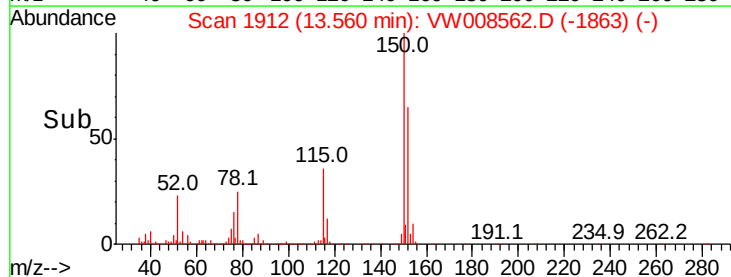
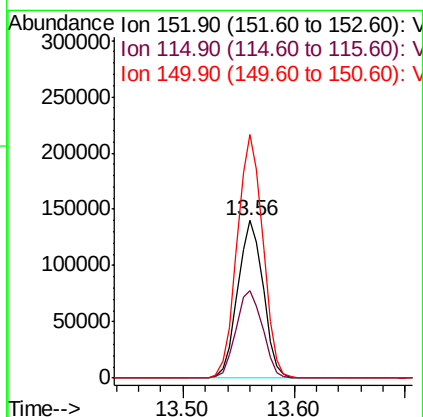
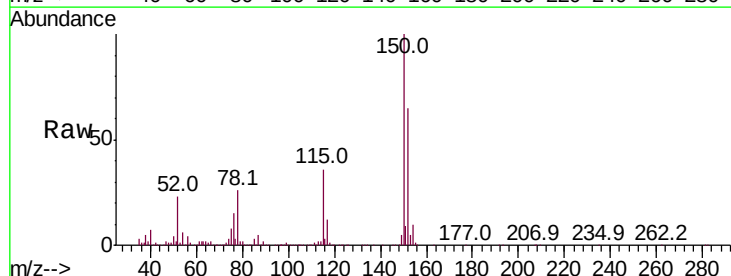
Instrument :
MSVOA_W
ClientSampled :
DUPE-X

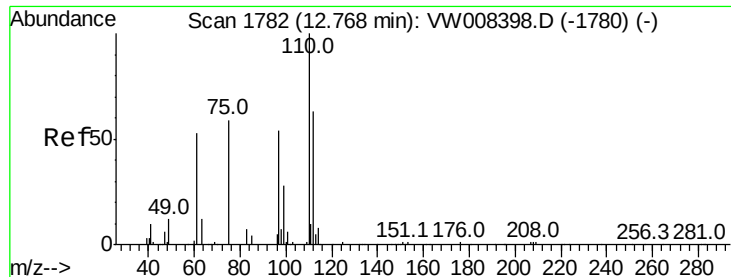
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.4	68.0
119	32.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008562.D
Acq: 07 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.9	89.7
150	155.6	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 76.274 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampled :

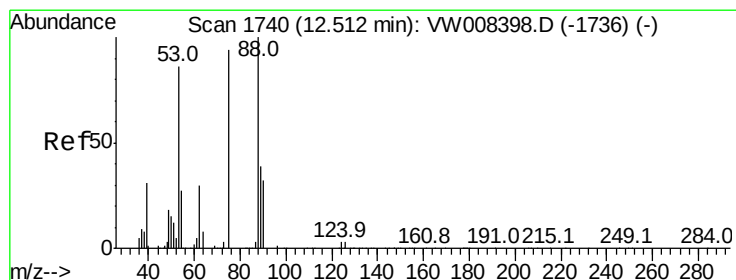
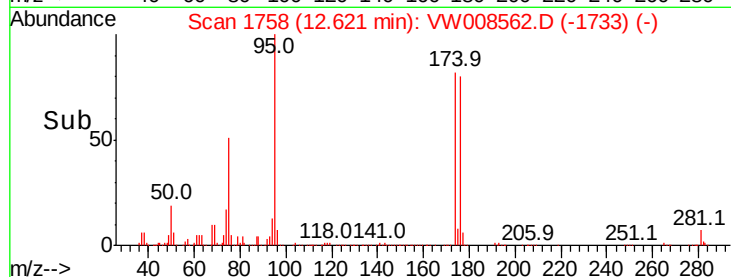
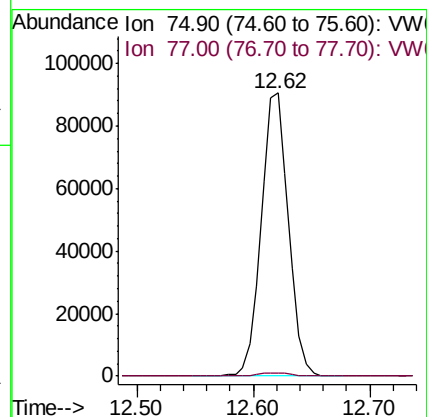
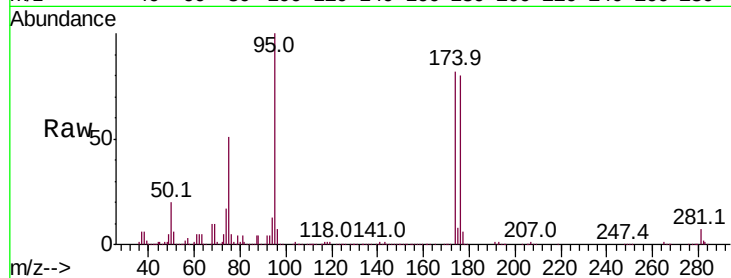
DUPE-X

Tot Ion: 75 Resp: 147219

Ion Ratio Lower Upper

75 100

77 1.7 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.647 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008562.D

Acq: 07 Feb 2019 19:30

Tgt Ion: 75 Resp: 147219

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#

