

Data File : VW008607.D
Acq On : 11 Feb 2019 19:34
Operator : SY/VA
Sample : K1453-07RE
Misc : 6.92G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-8-D

Quant Time: Feb 12 04:35:25 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	423039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	692681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	638990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	319379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	232359	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
35) Dibromofluoromethane	7.88	113	214816	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.32	98	830974	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.62	95	310282	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

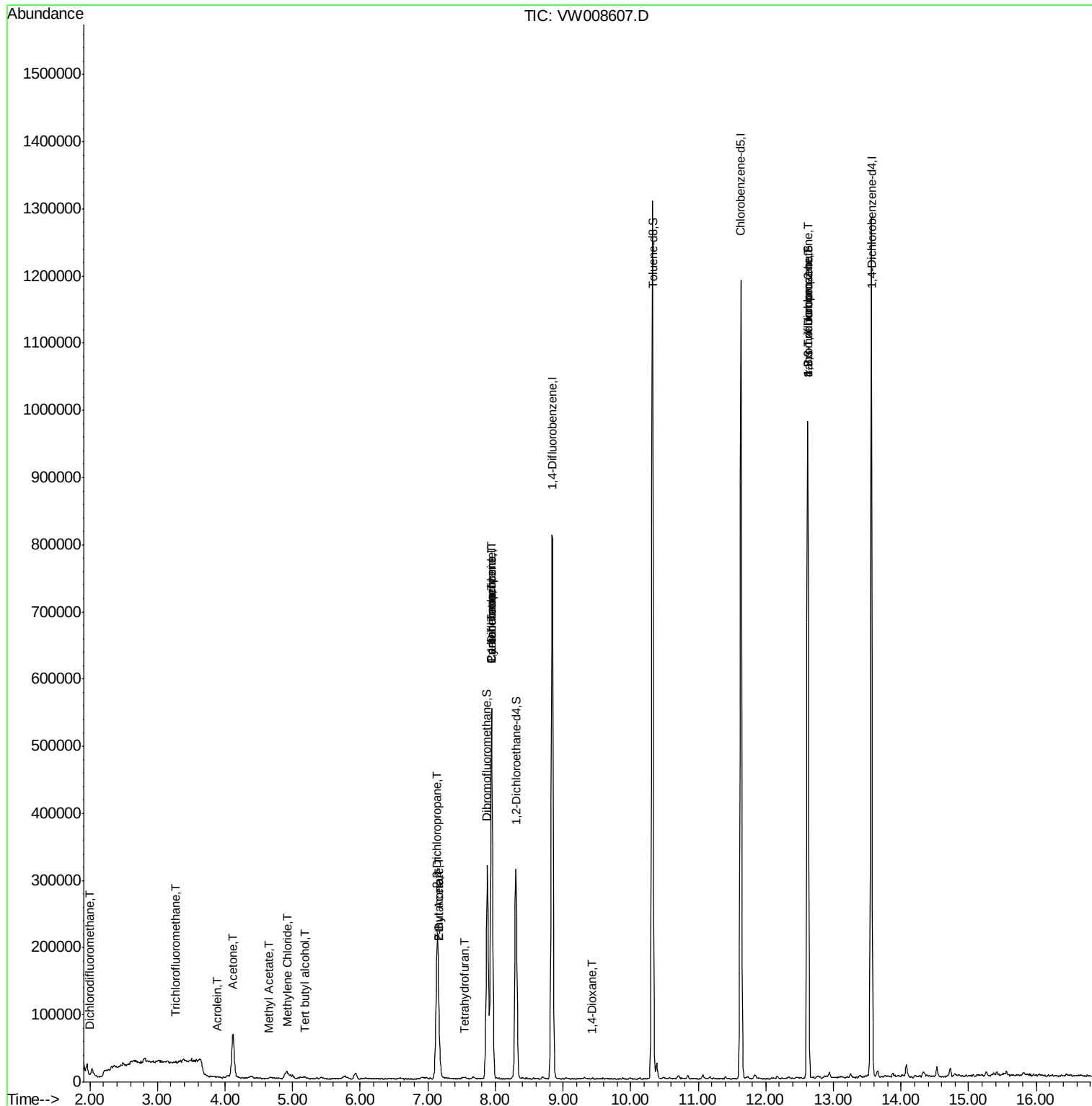
						Qvalue
2) Dichlorodifluoromethane	2.00	85	133	3.303	ug/l #	41
7) Trichlorofluoromethane	3.28	101	322	4.801	ug/l	91
11) Tert butyl alcohol	5.18	59	6465	19.321	ug/l #	86
13) Acrolein	3.89	56	1126	7.936	ug/l #	55
16) Acetone	4.12	43	114505	122.691	ug/l	95
18) Methyl Acetate	4.66	43	4459	1.791	ug/l #	67
20) Methylene Chloride	4.91	84	7989	1.857	ug/l #	84
25) 2-Butanone	7.17	43	25091	19.356	ug/l	93
26) 2,2-Dichloropropane	7.14	77	14566	2.732	ug/l #	53
29) Tetrahydrofuran	7.54	42	1382	1.682	ug/l #	89
31) Cyclohexane	7.95	56	10565	1.295	ug/l #	38
36) 1,1-Dichloropropene	7.94	75	32355	4.945	ug/l #	52
37) Ethyl Acetate	7.17	43	25091	8.667	ug/l #	70
38) Carbon Tetrachloride	7.94	117	40885	6.209	ug/l #	17
49) 1,4-Dioxane	9.43	88	43	1.093	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	162813	58.634	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	162813	115.806	ug/l #	12

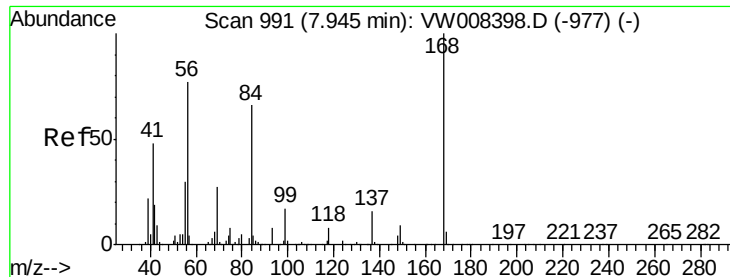
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008607.D

Acq: 11 Feb 2019 19:34

Instrument :

MSVOA_W

ClientSampled :

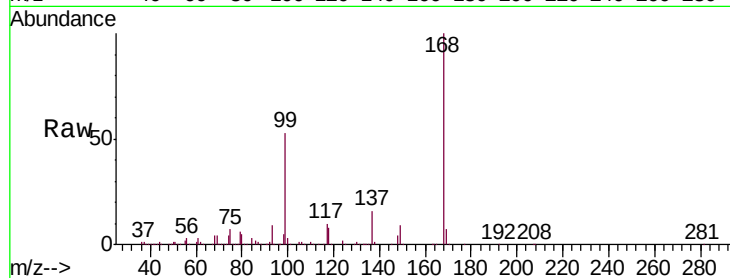
M-8-D

Tgt Ion:168 Resp: 423039

Ion Ratio Lower Upper

168 100

99 53.0 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

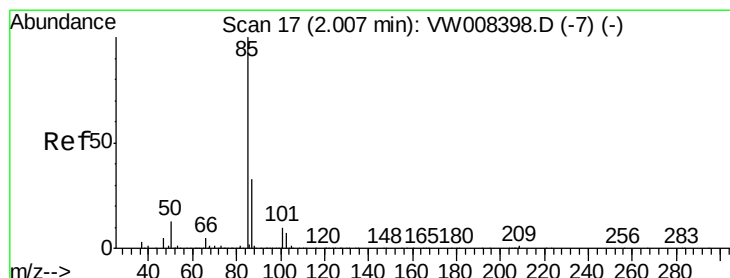
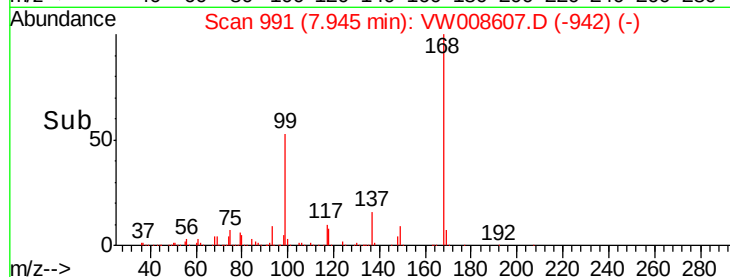
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.303 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008607.D

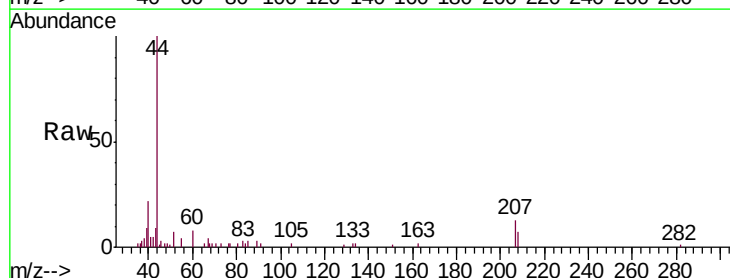
Acq: 11 Feb 2019 19:34

Tgt Ion: 85 Resp: 133

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

200

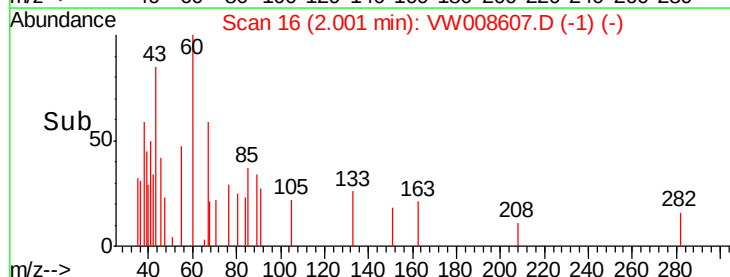
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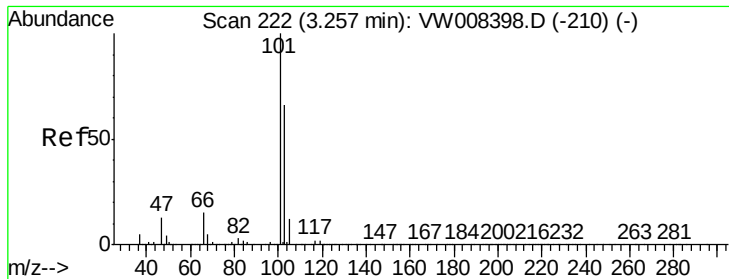
100

50

0

Time-->



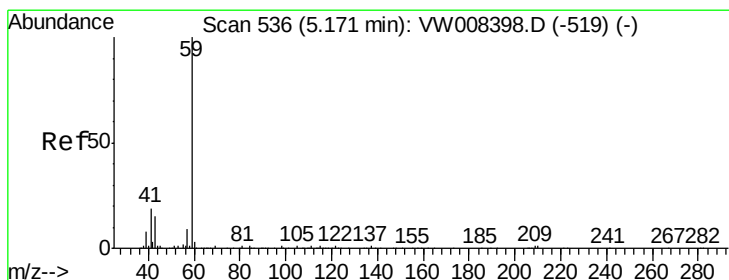
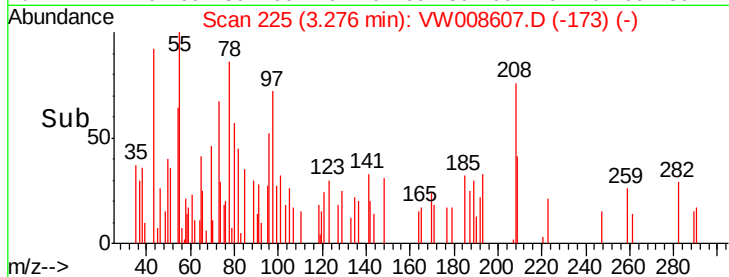
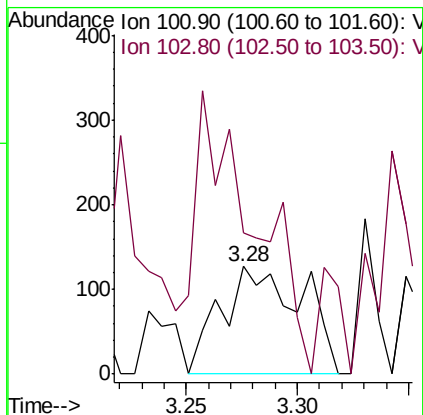
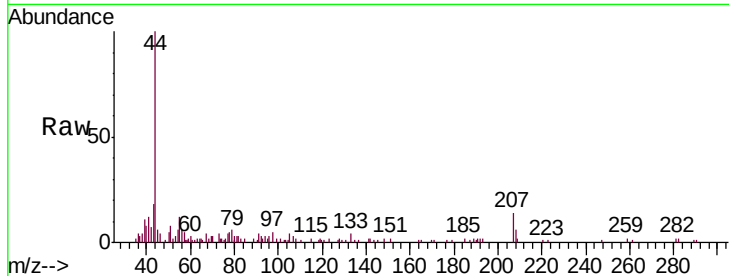


#7

Trichlorofluoromethane
Concen: 4.801 ug/l
RT: 3.28 min Scan# 225
Delta R.T. 0.02 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Instrument :
MSVOA_W
ClientSampled :
M-8-D

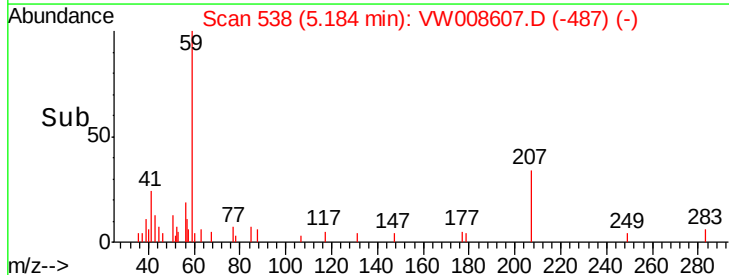
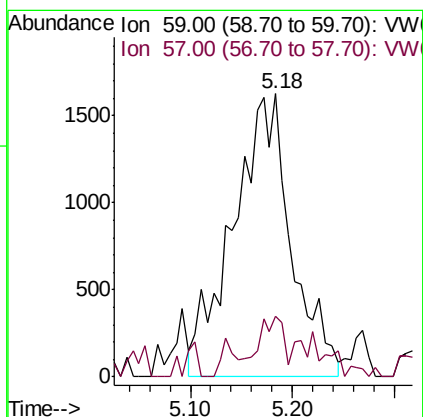
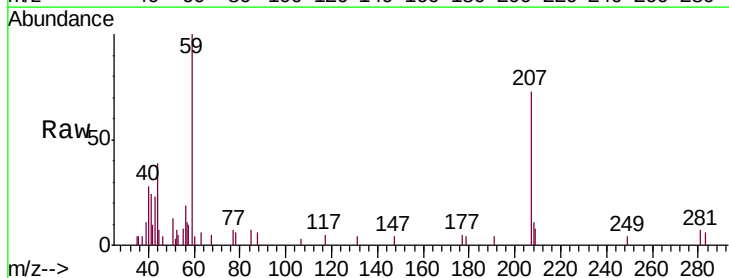
Tgt Ion: 101 Resp: 322
Ion Ratio Lower Upper
101 100
103 58.3 52.5 78.7

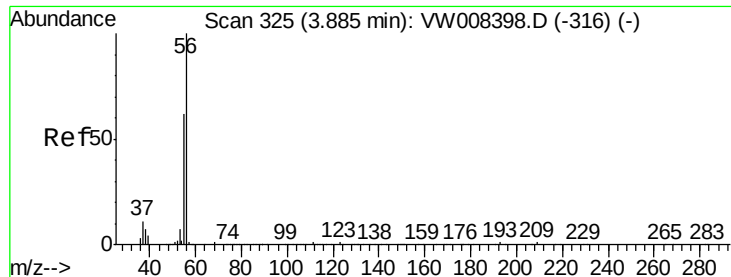


#11

Tert butyl alcohol
Concen: 19.321 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Tgt Ion: 59 Resp: 6465
Ion Ratio Lower Upper
59 100
57 6.2 9.3 13.9#

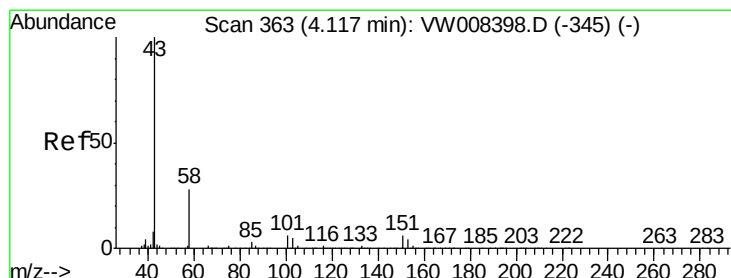
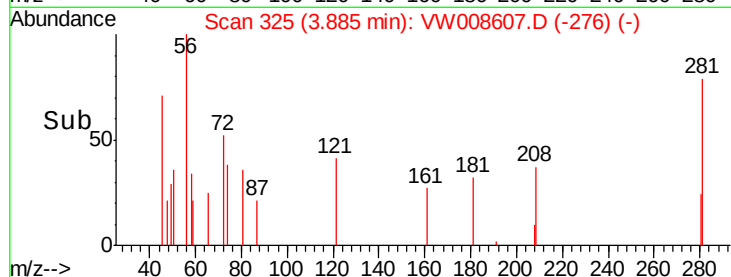
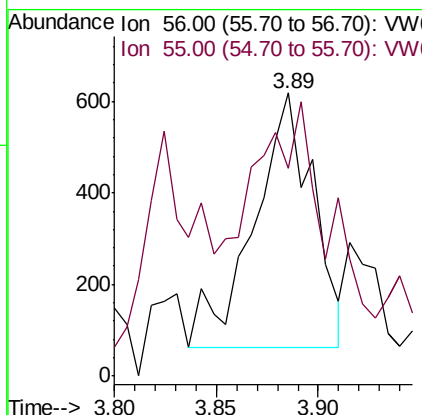
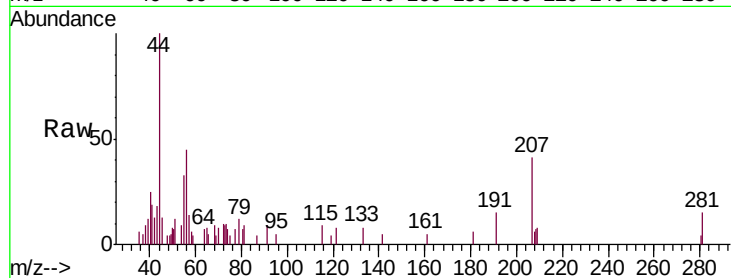




#13
Acrolein
Concen: 7.936 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

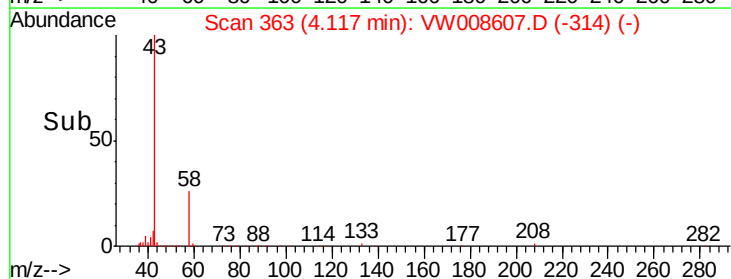
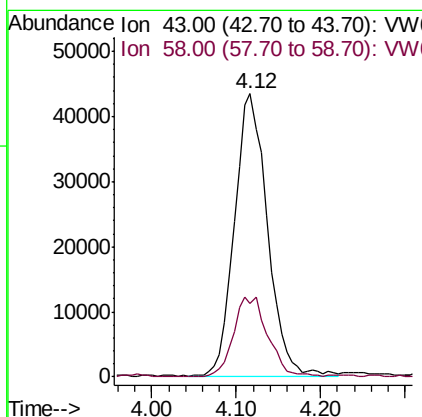
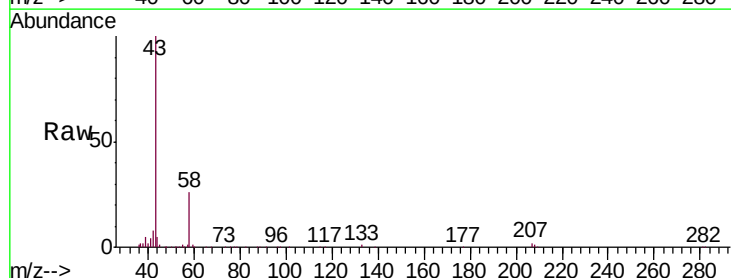
Instrument :
MSVOA_W
ClientSampleId :
M-8-D

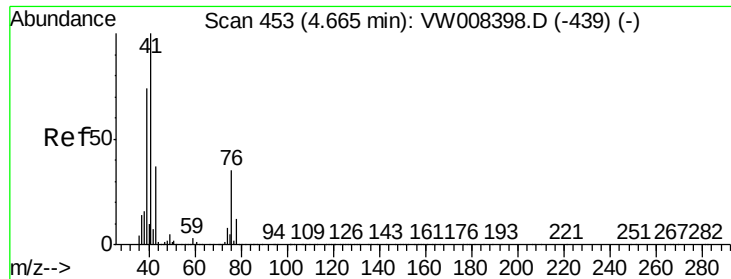
Tgt Ion: 56 Resp: 1126
Ion Ratio Lower Upper
56 100
55 108.3 56.7 85.1#



#16
Acetone
Concen: 122.691 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Tgt Ion: 43 Resp: 114505
Ion Ratio Lower Upper
43 100
58 25.8 22.6 34.0

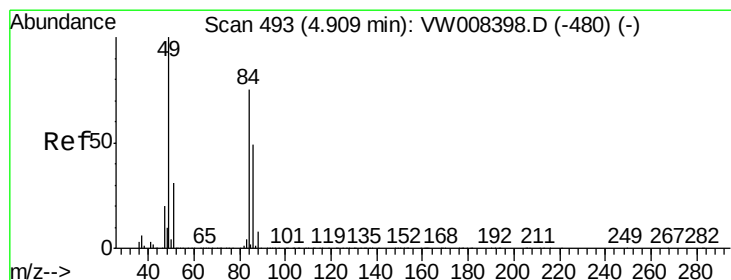
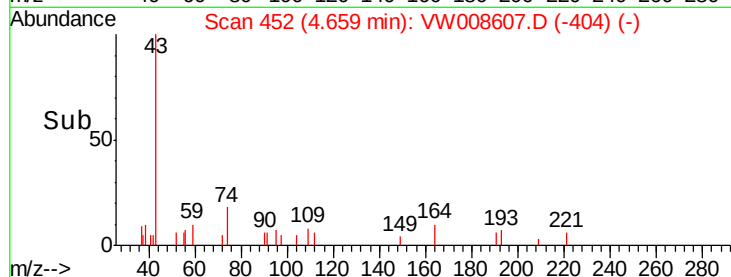
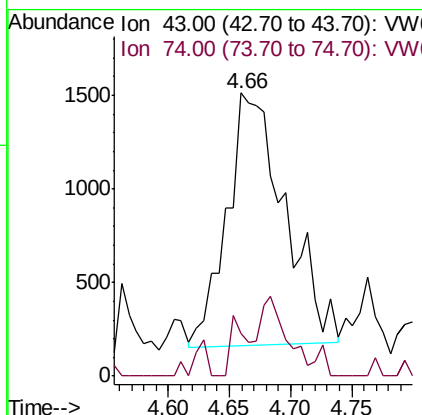
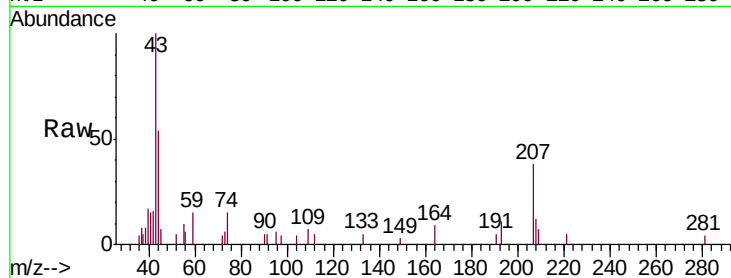




#18
Methyl Acetate
Concen: 1.791 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

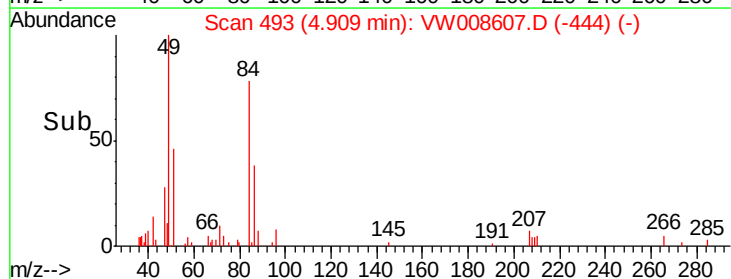
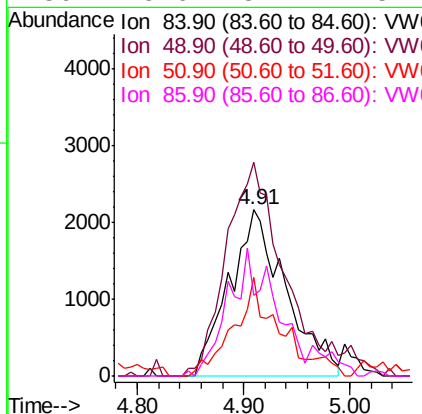
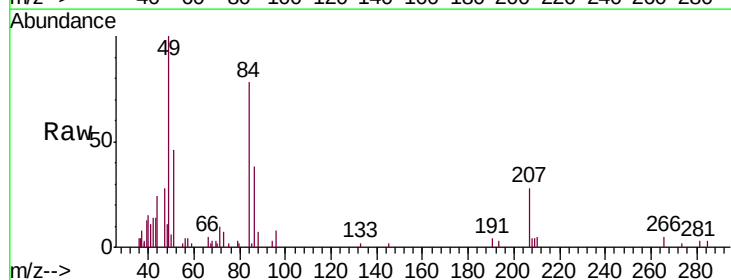
Instrument :
MSVOA_W
ClientSampleId :
M-8-D

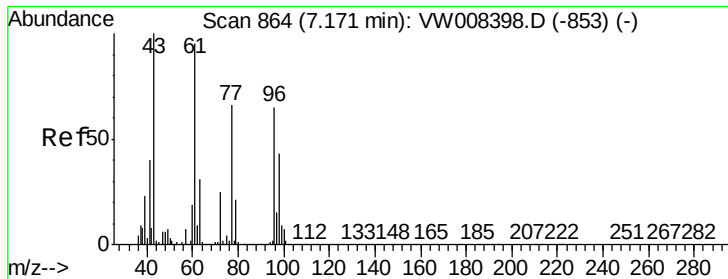
Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
74 6.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.857 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Tgt Ion: 84 Resp: 7989
Ion Ratio Lower Upper
84 100
49 124.2 106.8 160.2
51 59.6 32.9 49.3#
86 45.6 52.2 78.2#





#25

2-Butanone

Concen: 19.356 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008607.D

Acq: 11 Feb 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

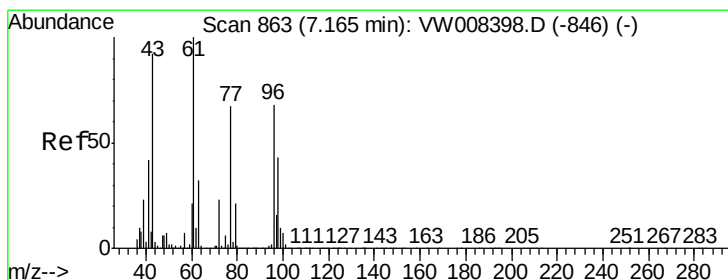
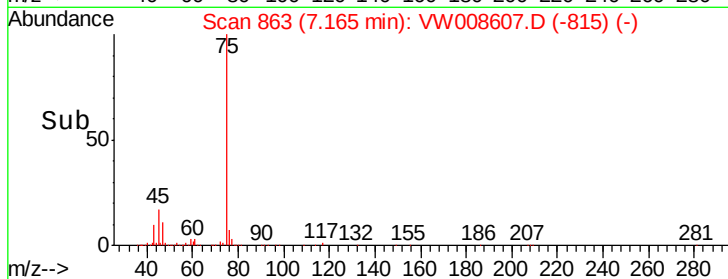
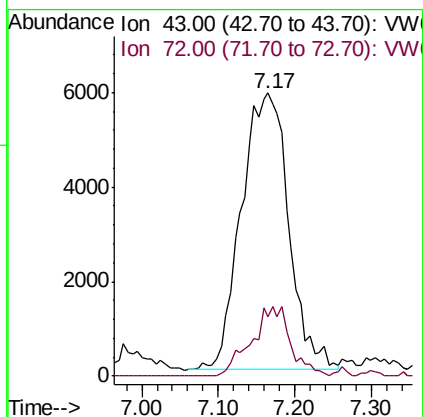
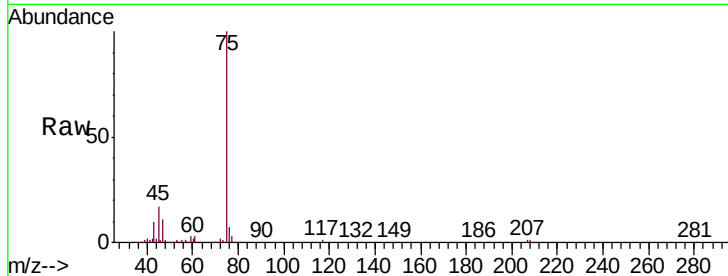
M-8-D

Tgt Ion: 43 Resp: 25091

Ion Ratio Lower Upper

43 100

72 21.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 2.732 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008607.D

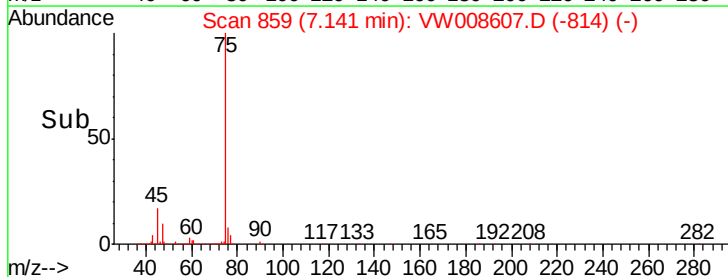
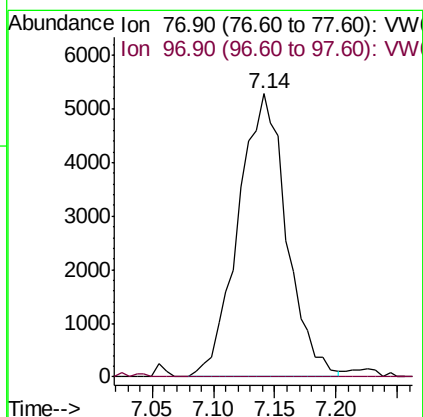
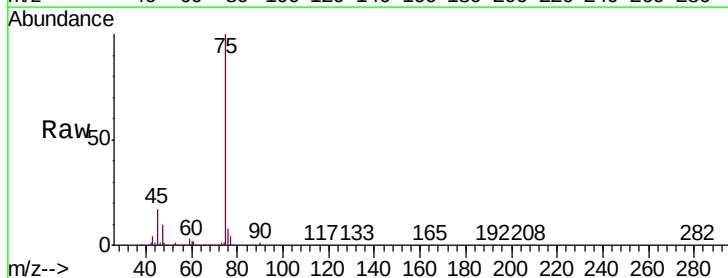
Acq: 11 Feb 2019 19:34

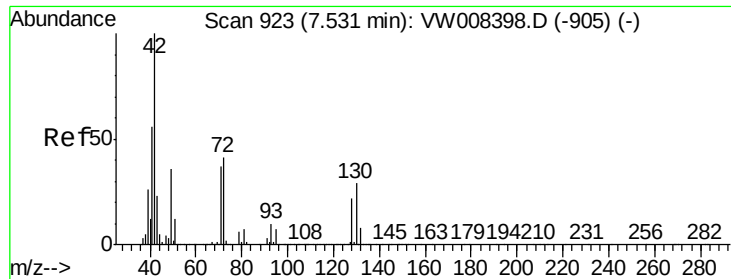
Tgt Ion: 77 Resp: 14566

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#

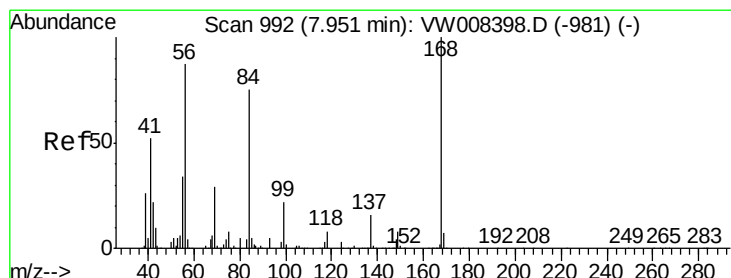
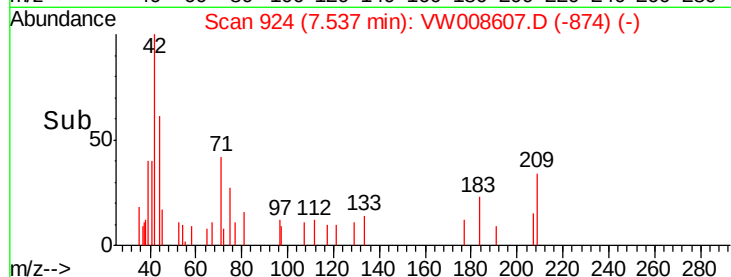
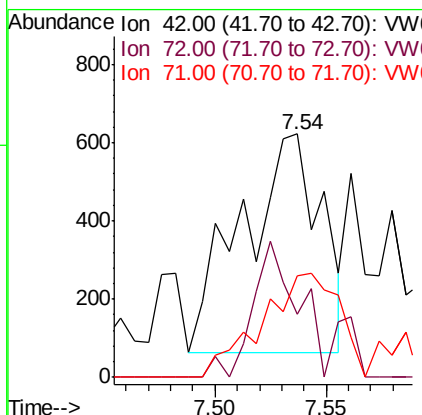
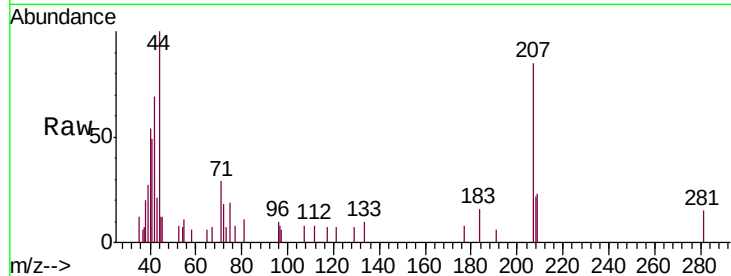




#29
Tetrahydrofuran
Concen: 1.682 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

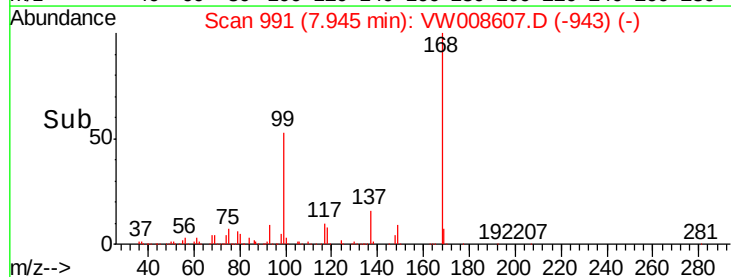
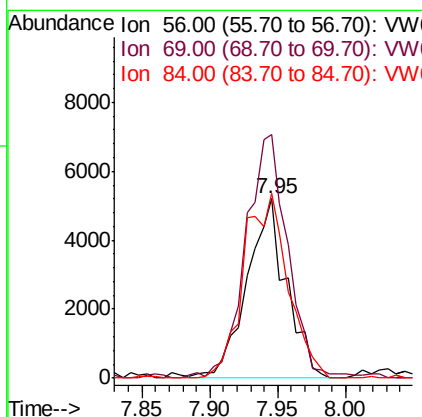
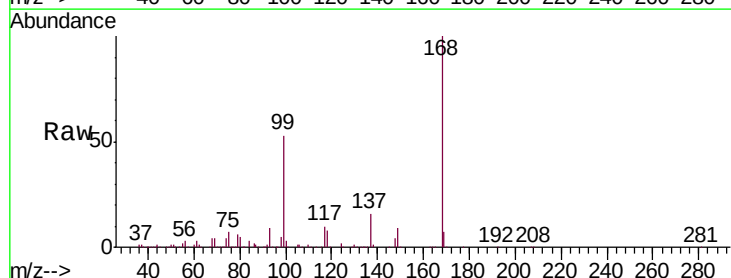
Instrument :
MSVOA_W
ClientSampled :
M-8-D

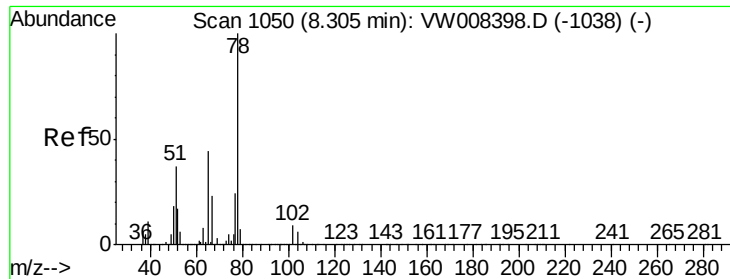
Tgt Ion: 42 Resp: 1382
Ion Ratio Lower Upper
42 100
72 35.4 31.9 47.9
71 46.5 29.9 44.9#



#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Tgt Ion: 56 Resp: 10565
Ion Ratio Lower Upper
56 100
69 134.4 26.4 39.6#
84 102.7 69.1 103.7

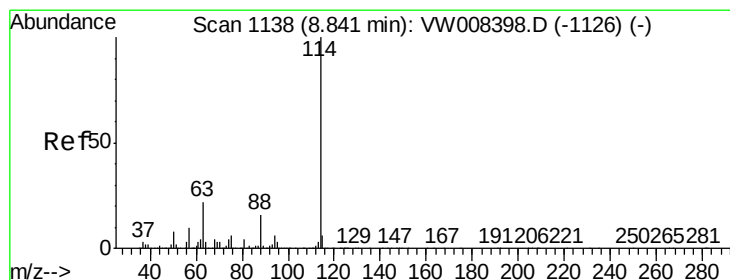
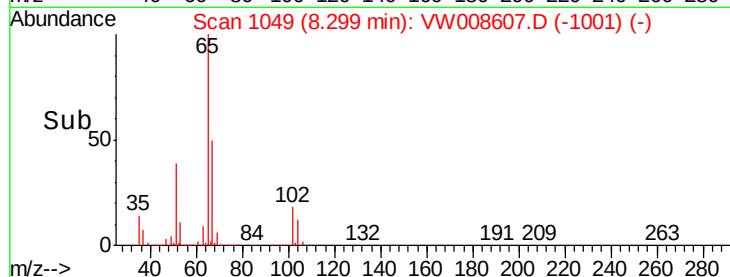
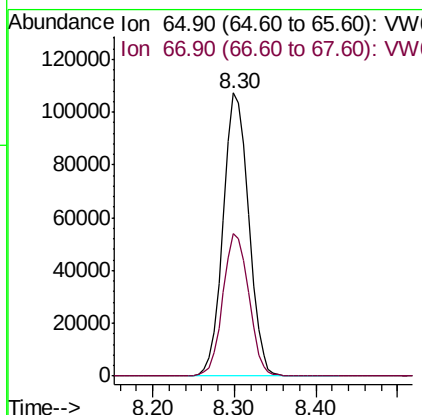
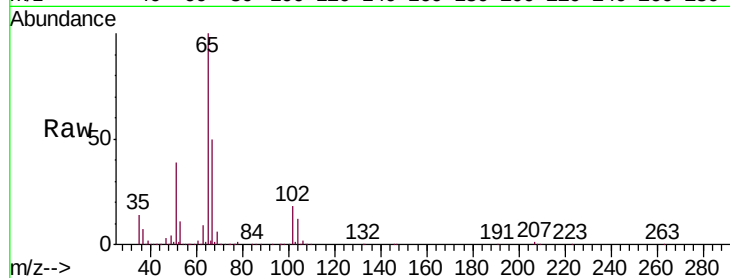




#33
 1,2-Dichloroethane-d4
 Concen: 55.910 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008607.D
 Acq: 11 Feb 2019 19:34

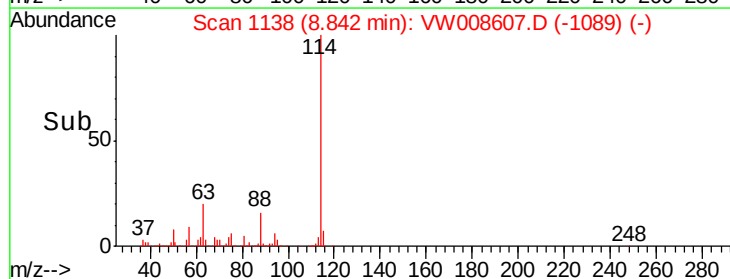
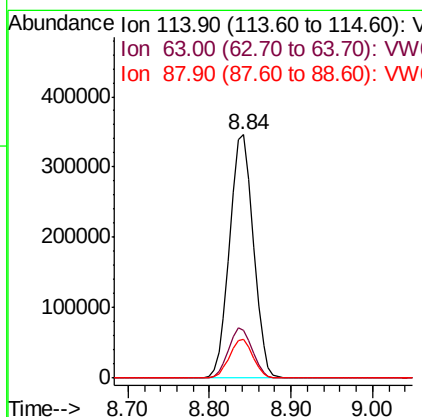
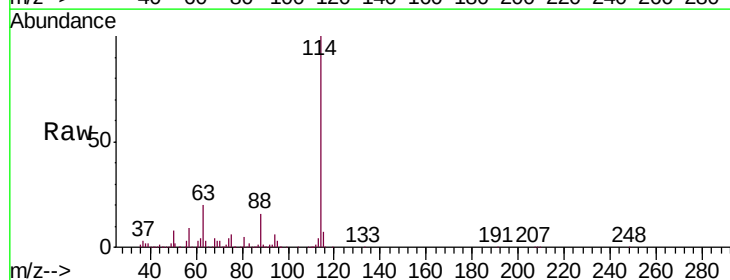
Instrument :
 MSVOA_W
 ClientSampleId :
 M-8-D

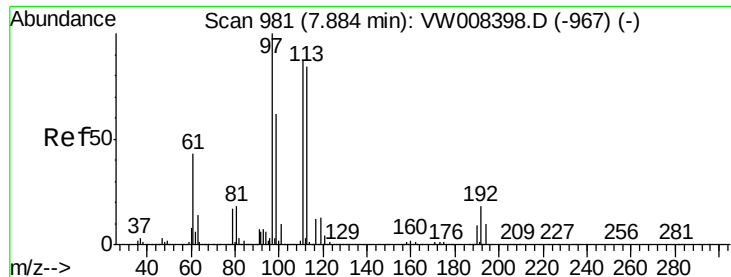
Tgt Ion: 65 Resp: 232359
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008607.D
 Acq: 11 Feb 2019 19:34

Tgt Ion: 114 Resp: 692681
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 15.7 0.0 31.8

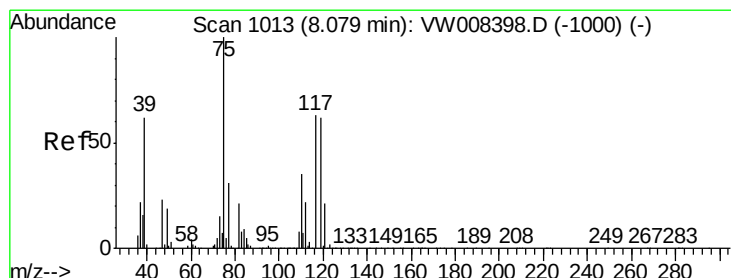
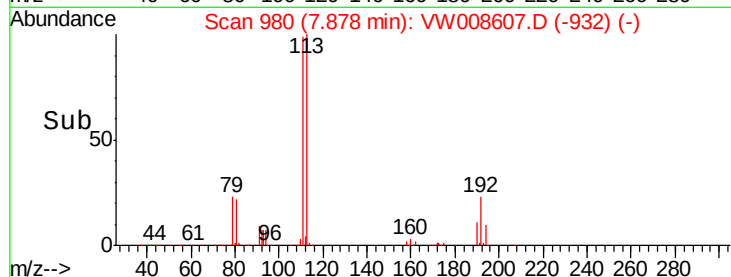
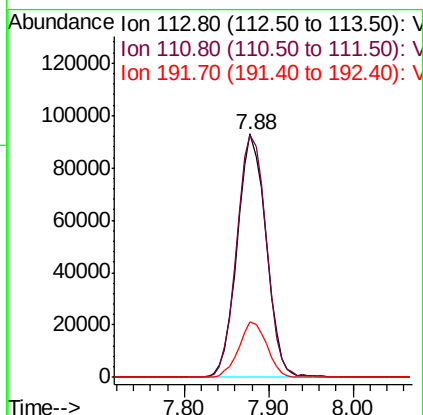
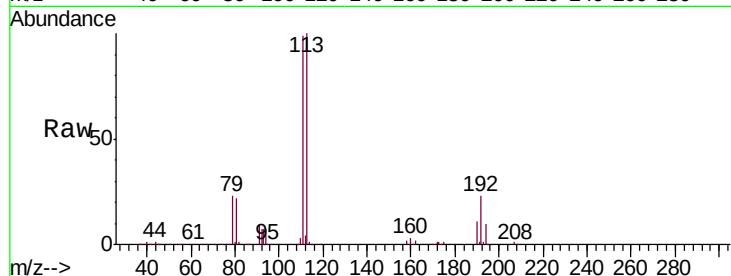




#35
 Dibromofluoromethane
 Concen: 53.037 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008607.D
 Acq: 11 Feb 2019 19:34

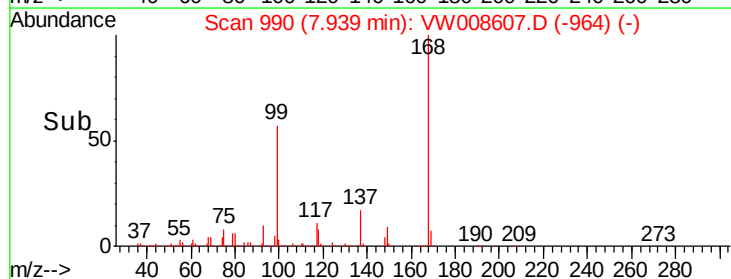
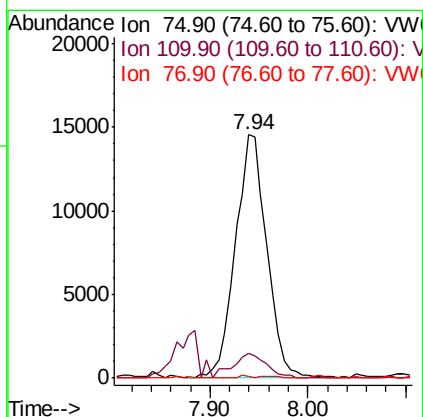
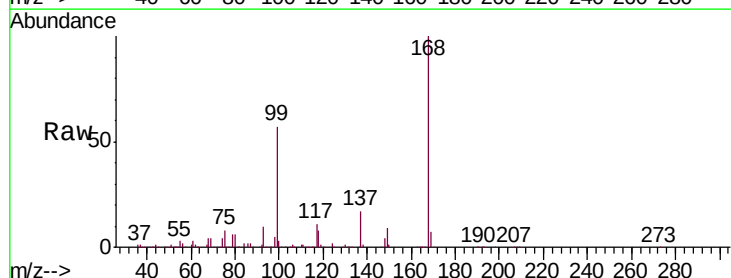
Instrument :
 MSVOA_W
 ClientSampled :
 M-8-D

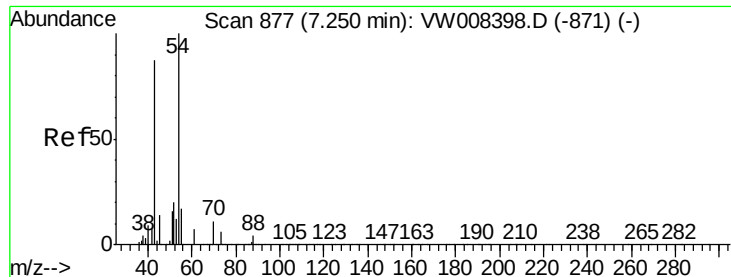
Tgt Ion: 113 Resp: 214816
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.4
 192 22.1 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008607.D
 Acq: 11 Feb 2019 19:34

Tgt Ion: 75 Resp: 32355
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.3 52.0#
 77 0.3 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.667 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW008607.D

Acq: 11 Feb 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

M-8-D

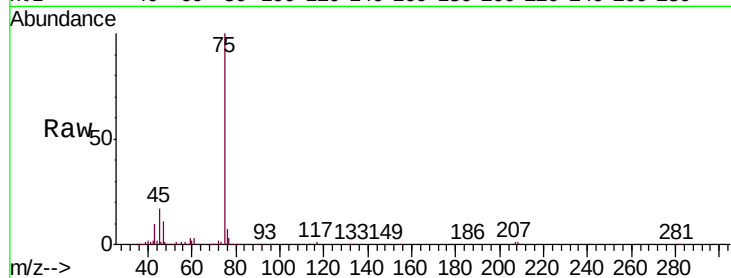
Tgt Ion: 43 Resp: 25091

Ion Ratio Lower Upper

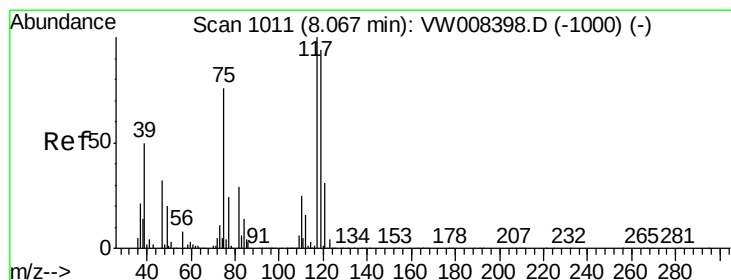
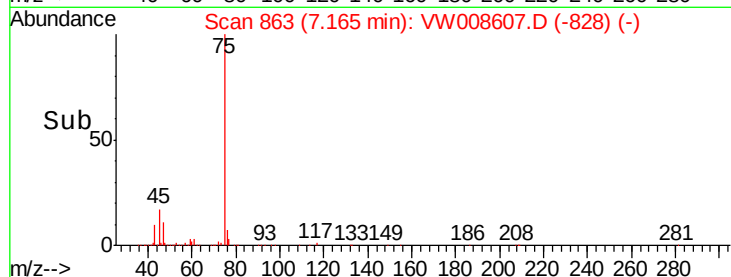
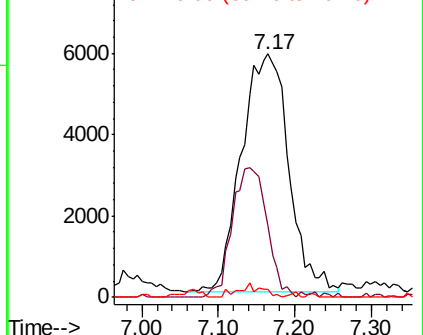
43 100

61 0.0 10.1 15.1#

70 0.0 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008607.D

Acq: 11 Feb 2019 19:34

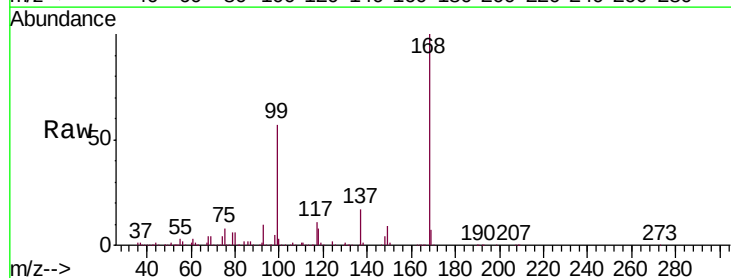
Tgt Ion: 117 Resp: 40885

Ion Ratio Lower Upper

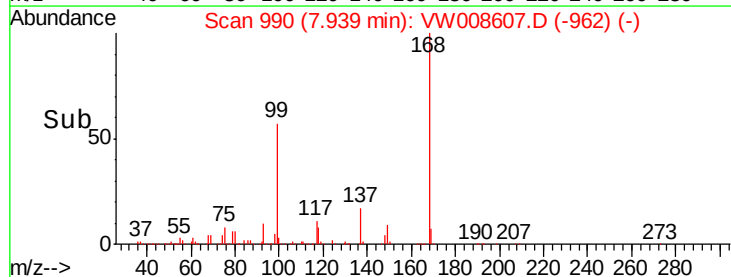
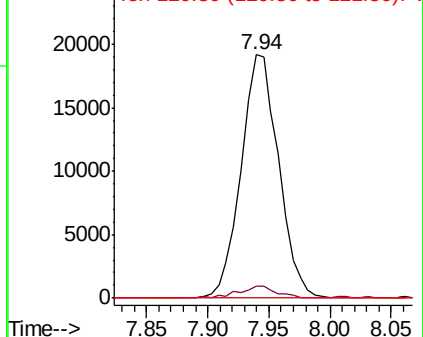
117 100

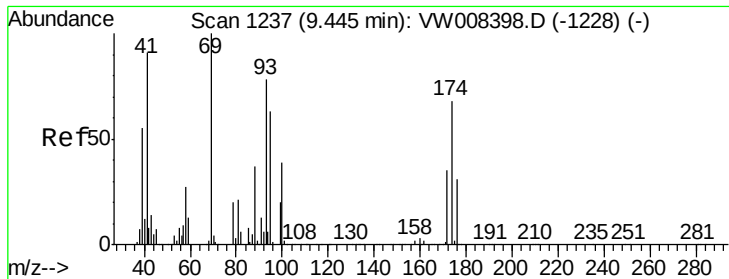
119 4.7 75.0 112.4#

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

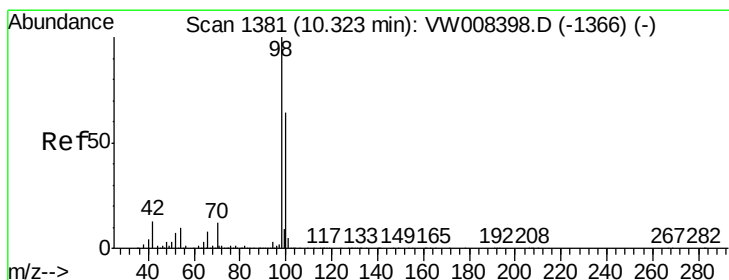
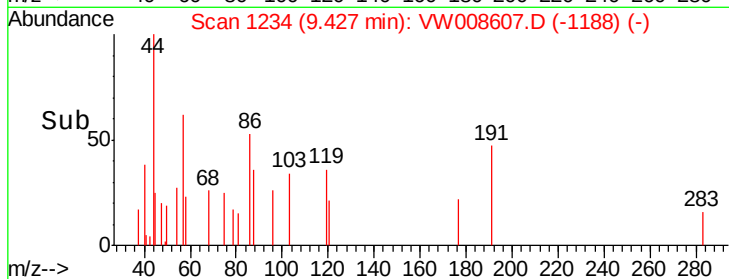
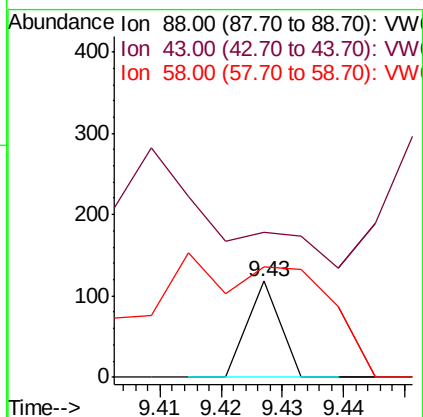
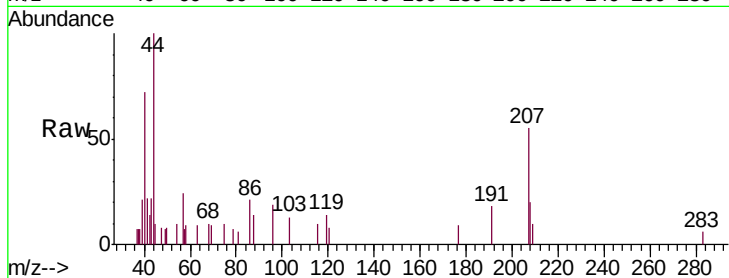




#49
1,4-Dioxane
Concen: 1.093 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

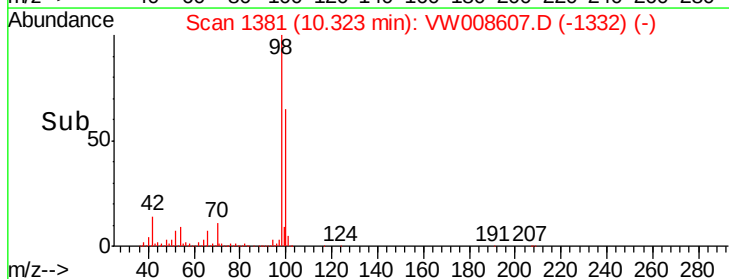
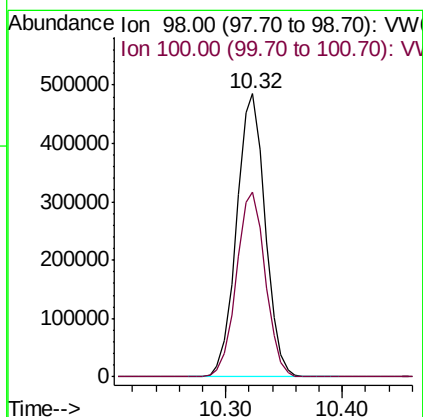
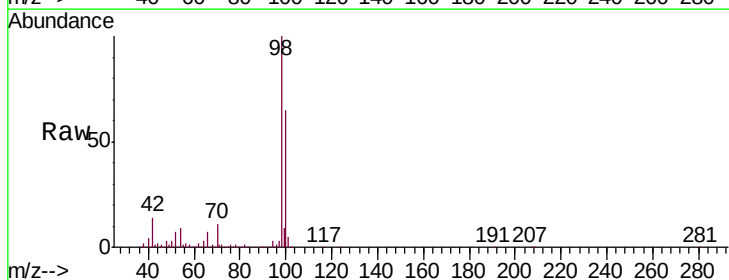
Instrument :
MSVOA_W
ClientSampled :
M-8-D

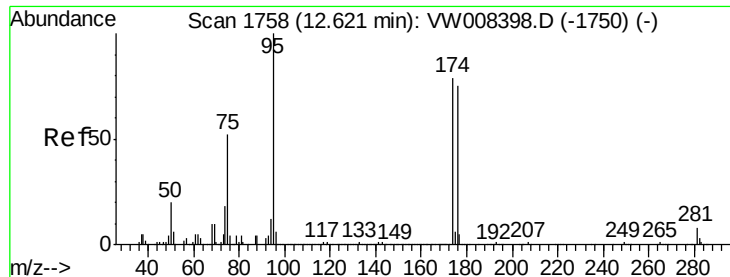
Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 604.7 29.0 43.4#
58 646.5 56.4 84.6#



#50
Toluene-d8
Concen: 51.162 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Tgt Ion: 98 Resp: 830974
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 49.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008607.D

Acq: 11 Feb 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

M-8-D

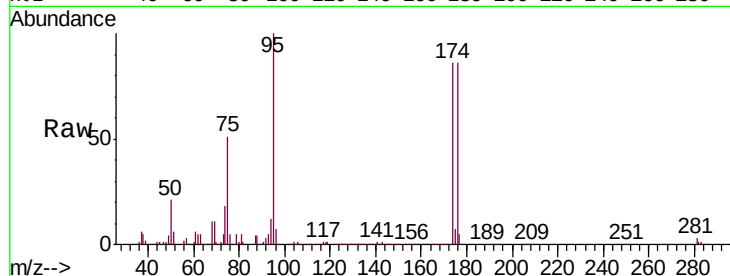
Tgt Ion: 95 Resp: 310282

Ion Ratio Lower Upper

95 100

174 83.6 0.0 157.6

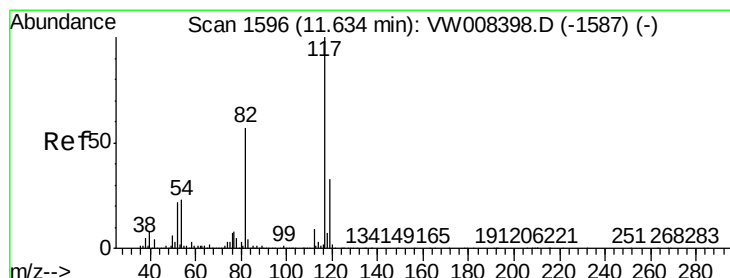
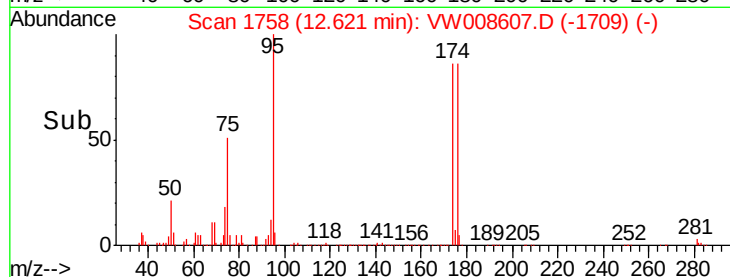
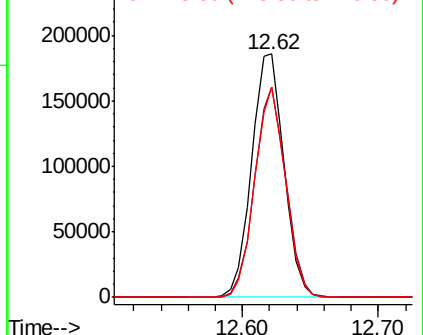
176 82.0 0.0 151.8



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: VW008607.D

Acq: 11 Feb 2019 19:34

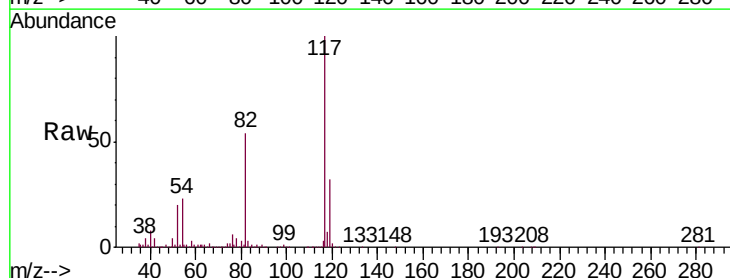
Tgt Ion: 117 Resp: 638990

Ion Ratio Lower Upper

117 100

82 53.7 45.4 68.0

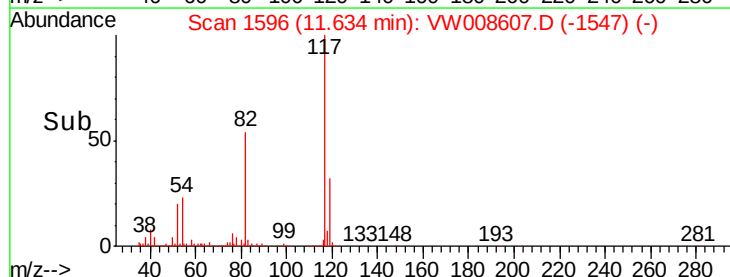
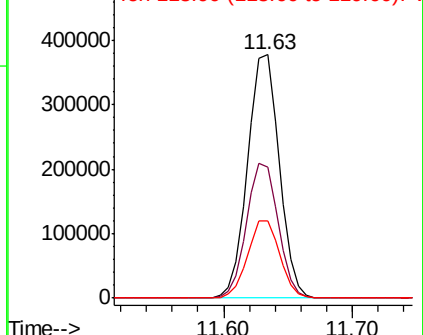
119 31.7 26.2 39.4

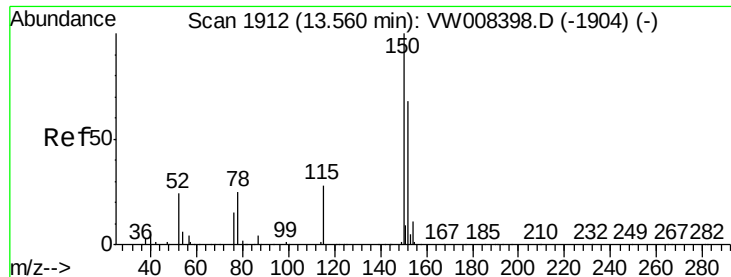


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



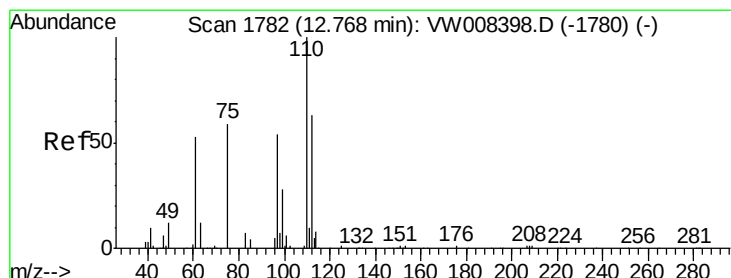
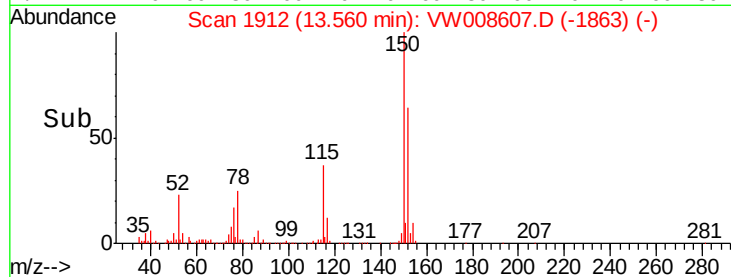
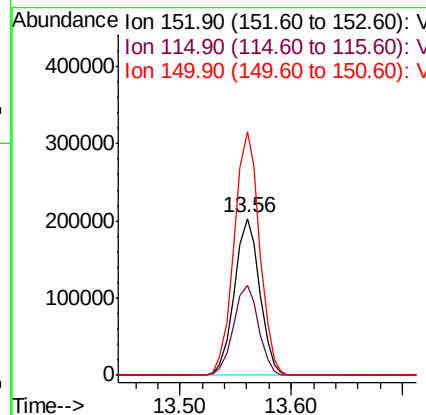
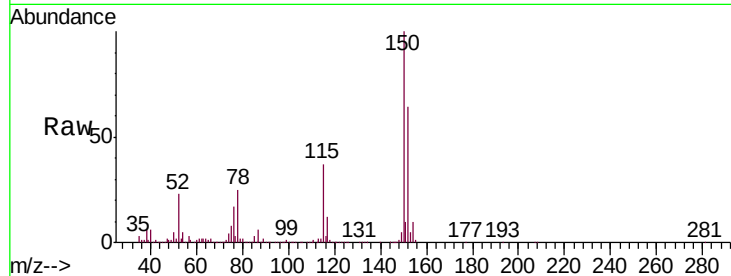


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
M-8-D

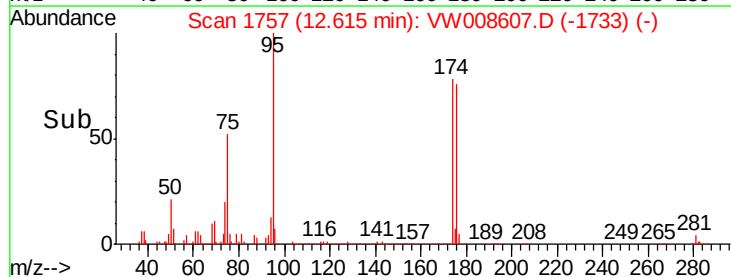
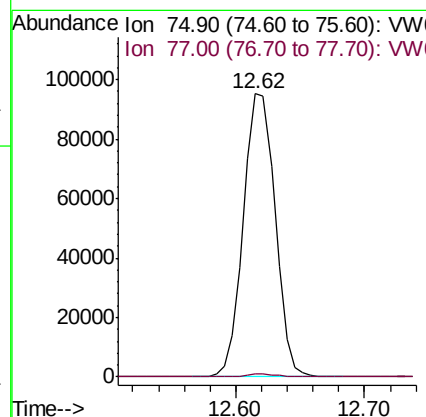
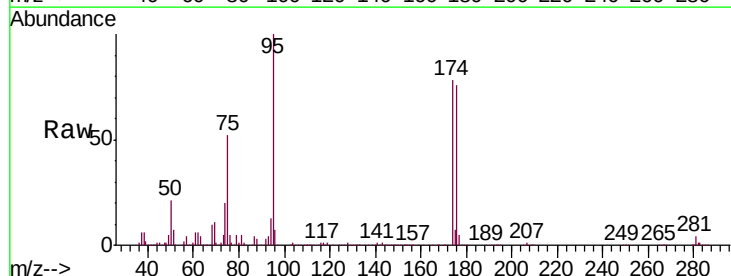
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.9	89.7
150	156.1	0.0	351.4

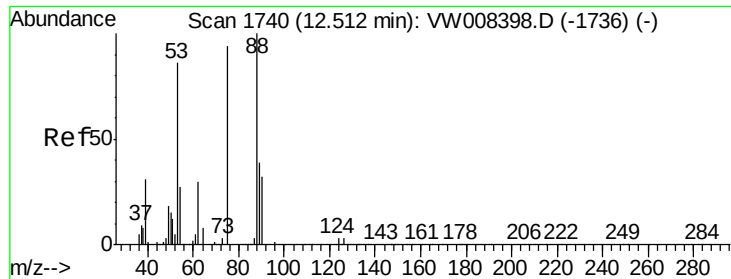


#76

1,2,3-Trichloropropane
Concen: 58.634 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008607.D
Acq: 11 Feb 2019 19:34

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





#81

trans-1,4-Dichloro-2-butene

Concen: 115.806 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008607.D

Acq: 11 Feb 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

M-8-D

Tgt Ion: 75 Resp: 162813

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 35.4 53.0#

