

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003856.D
 Acq On : 11 Jul 2018 06:22
 Operator : SY/AP
 Sample : J3914-05
 Misc : 3.71G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B3

Quant Time: Jul 11 06:56:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	121161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	182720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	26528	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	52992	33.45	ug/l	0.00
Spiked Amount			Recovery	=	66.90%	
35) Dibromofluoromethane	7.88	113	47902	37.46	ug/l	0.00
Spiked Amount			Recovery	=	74.92%	
50) Toluene-d8	10.33	98	119468	24.42	ug/l	0.00
Spiked Amount			Recovery	=	48.84%	
62) 4-Bromofluorobenzene	12.62	95	21885	12.36	ug/l	0.00
Spiked Amount			Recovery	=	24.72%	

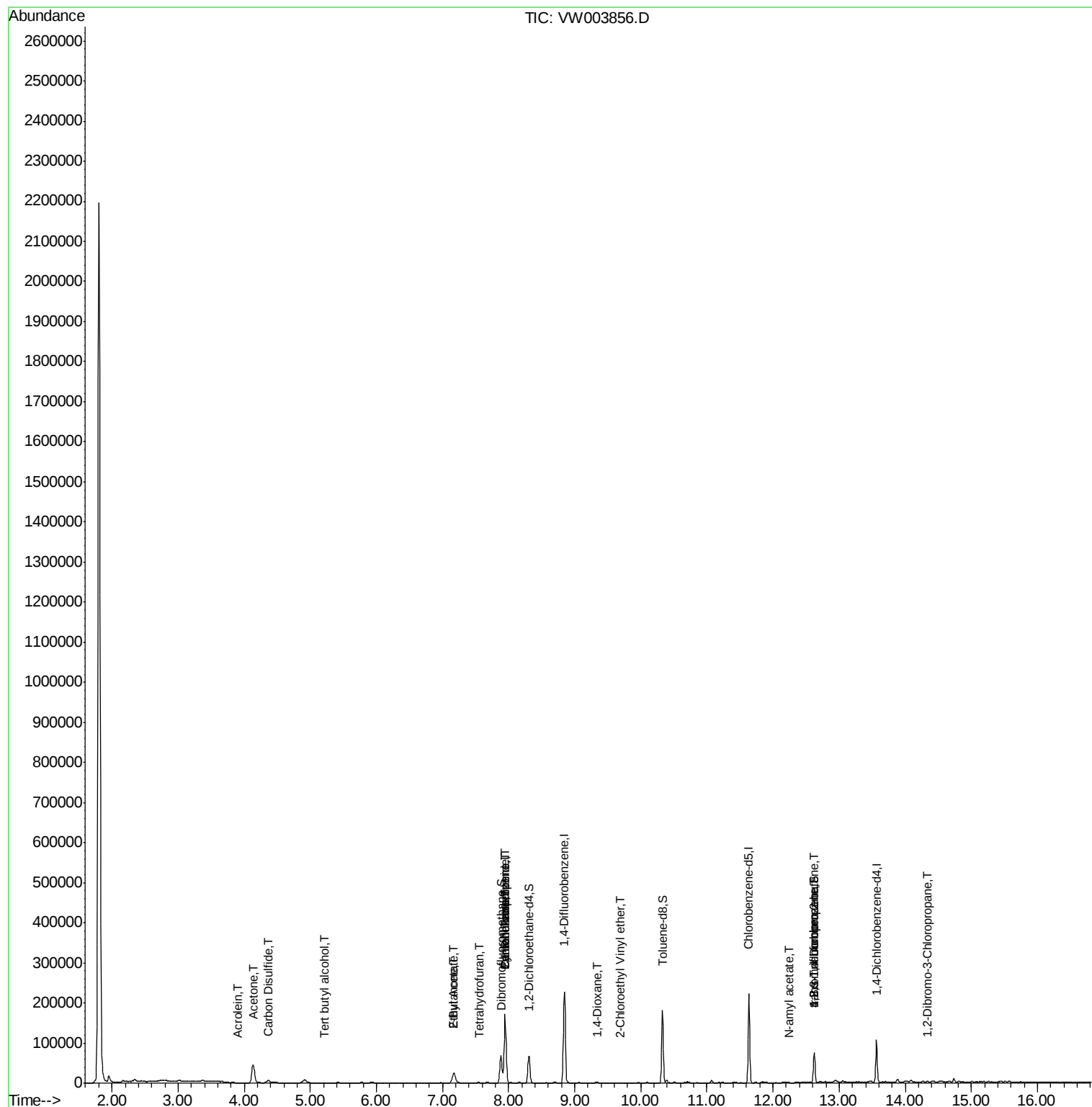
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	1027	11.960	ug/l #	70
13) Acrolein	3.89	56	99	5.422	ug/l #	14
16) Acetone	4.14	43	86680	315.318	ug/l	98
17) Carbon Disulfide	4.36	76	13787	3.695	ug/l #	94
25) 2-Butanone	7.18	43	24880	57.785	ug/l	96
29) Tetrahydrofuran	7.55	42	685	2.475	ug/l #	64
31) Cyclohexane	7.95	56	3621	1.566	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11192	5.773	ug/l #	50
37) Ethyl Acetate	7.18	43	24880	26.374	ug/l #	71
38) Carbon Tetrachloride	7.95	117	12528	6.796	ug/l #	15
49) 1,4-Dioxane	9.33	88	22	1.943	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.68	63	20	13.196	ug/l #	49
74) N-amyl acetate	12.24	43	540	1.109	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	11913	45.731	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11913	111.869	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.35	75	77	1.221	ug/l #	4

(#) = 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# 1043

Delta R.T. -0.01 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

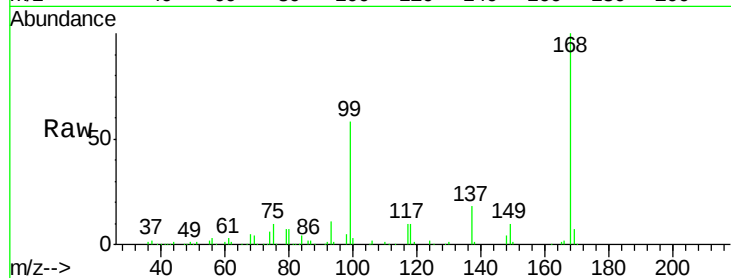
B3

Tot Ion:168 Resp: 121161

Ion Ratio Lower Upper

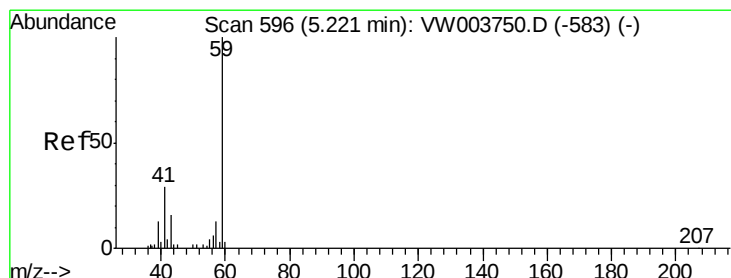
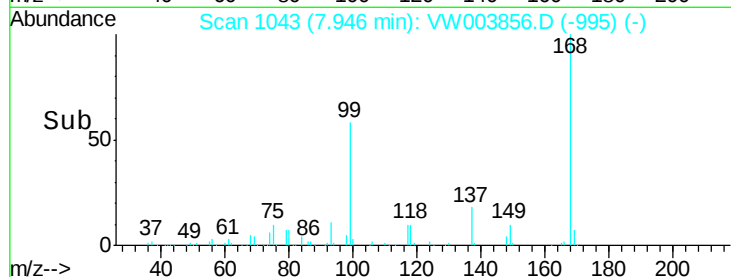
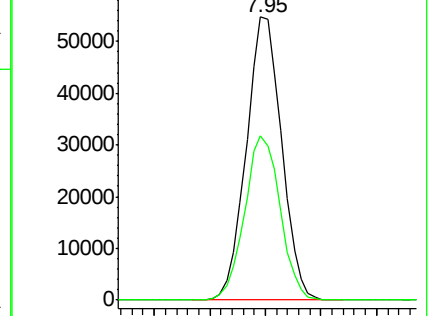
168 100

99 58.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 11.960 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003856.D

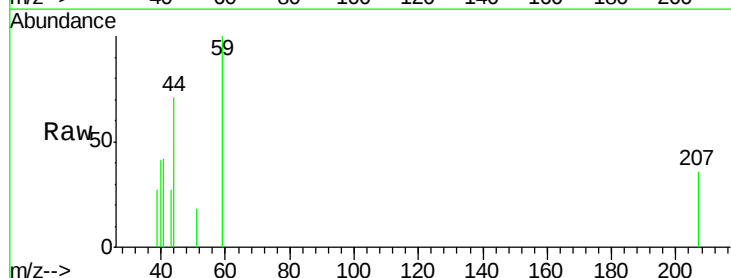
Acq: 11 Jul 2018 06:22

Tgt Ion: 59 Resp: 1027

Ion Ratio Lower Upper

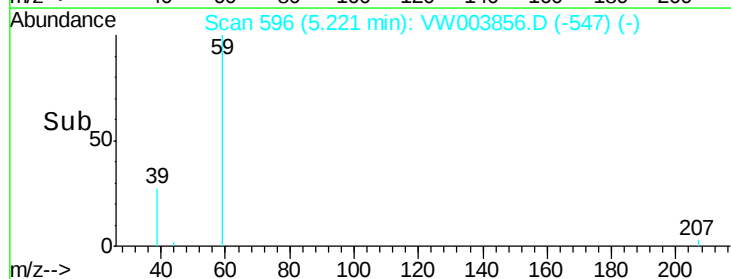
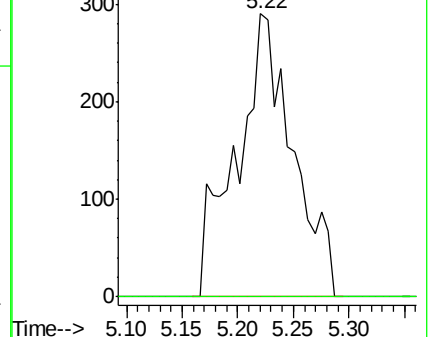
59 100

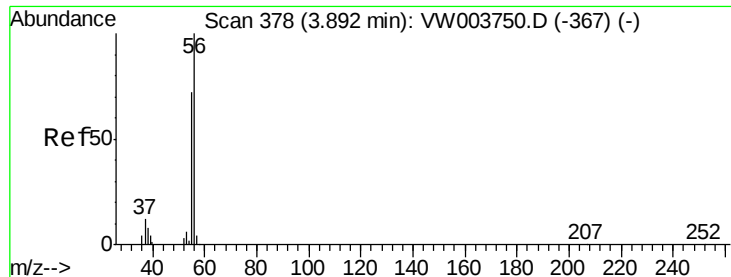
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.422 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

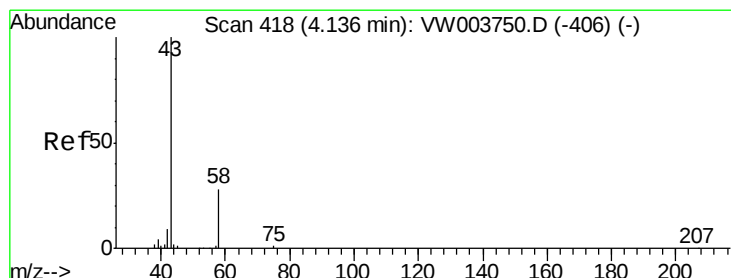
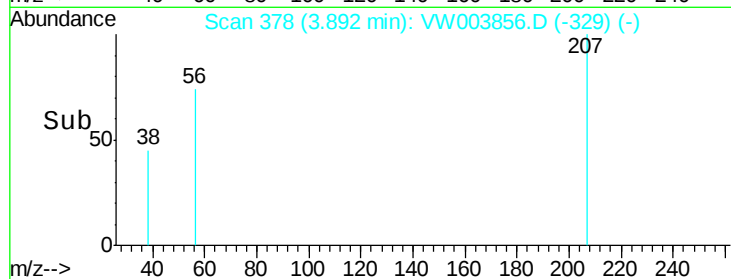
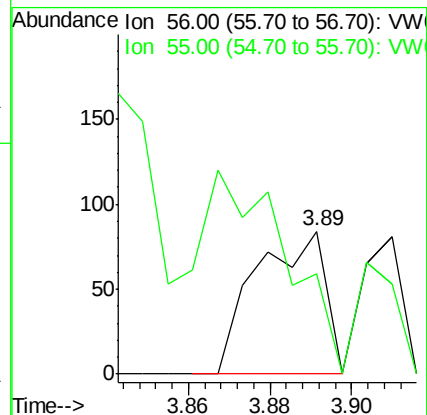
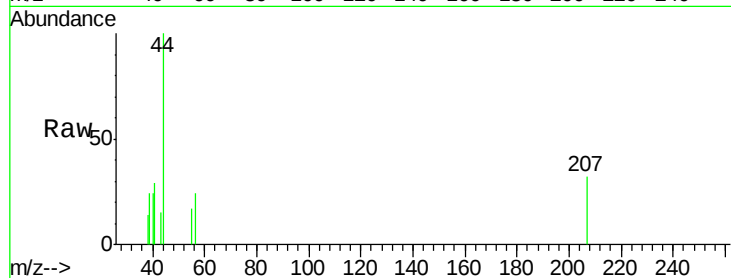
B3

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 315.318 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003856.D

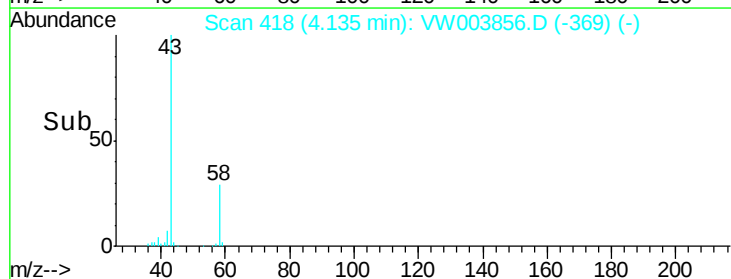
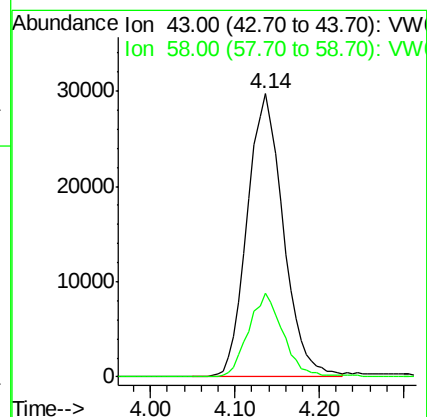
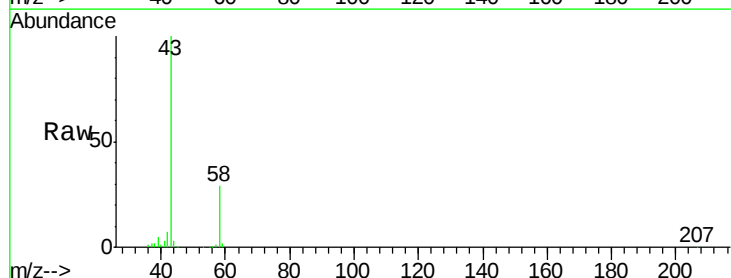
Acq: 11 Jul 2018 06:22

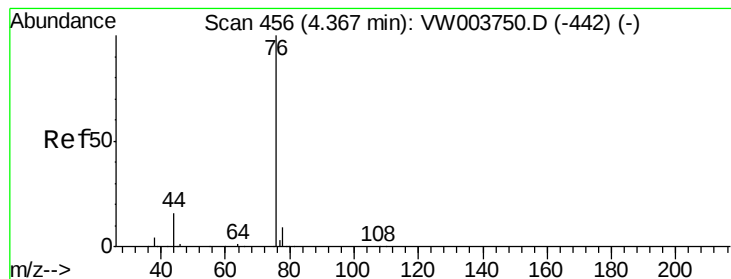
Tgt Ion: 43 Resp: 86680

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0





#17

Carbon Disulfide

Concen: 3.695 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

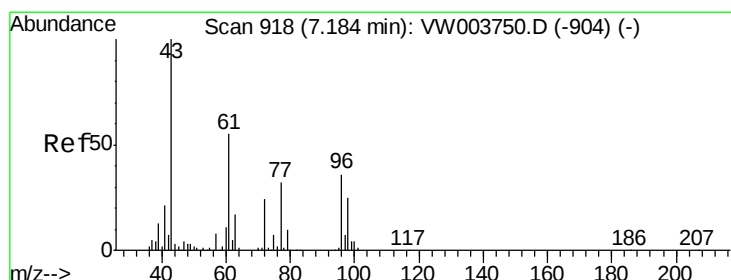
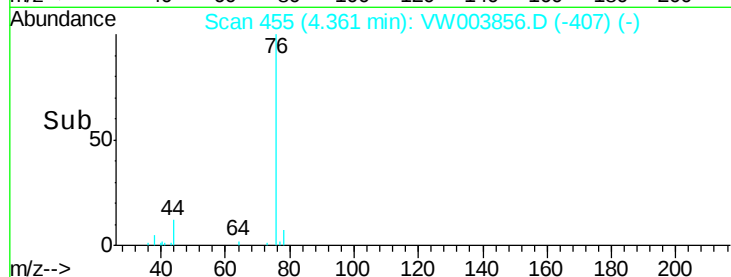
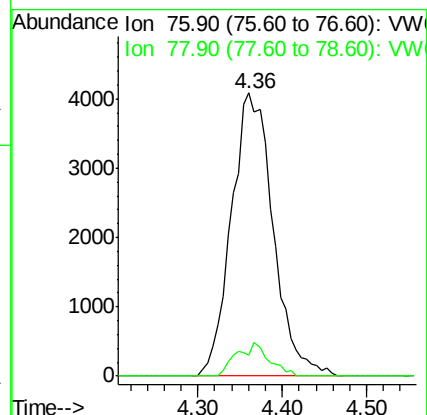
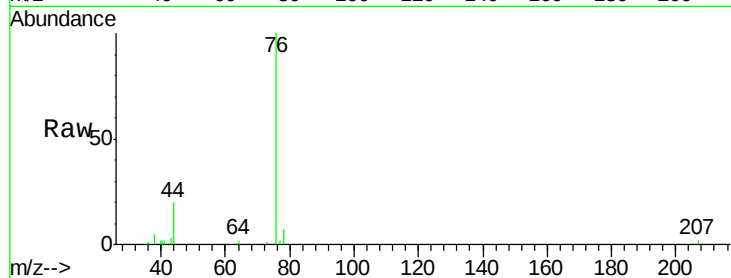
B3

Tot Ion: 76 Resp: 13787

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.2#



#25

2-Butanone

Concen: 57.785 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003856.D

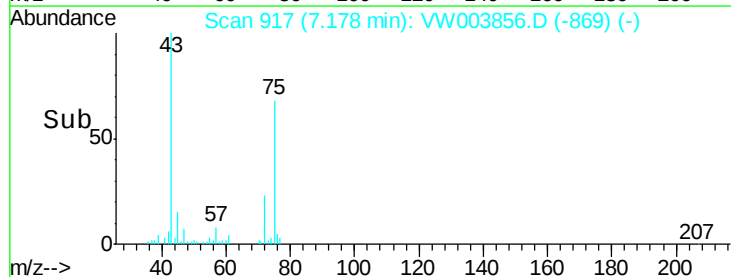
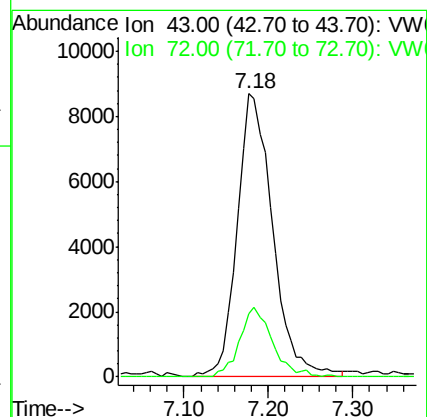
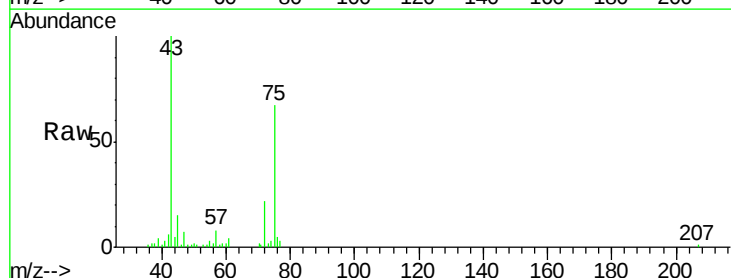
Acq: 11 Jul 2018 06:22

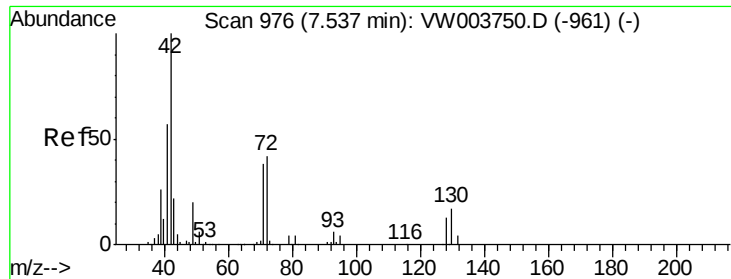
Tgt Ion: 43 Resp: 24880

Ion Ratio Lower Upper

43 100

72 22.4 19.4 29.2

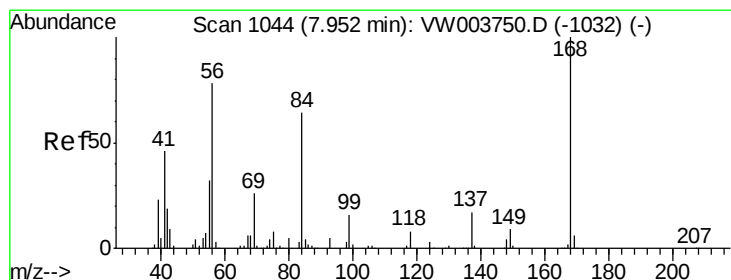
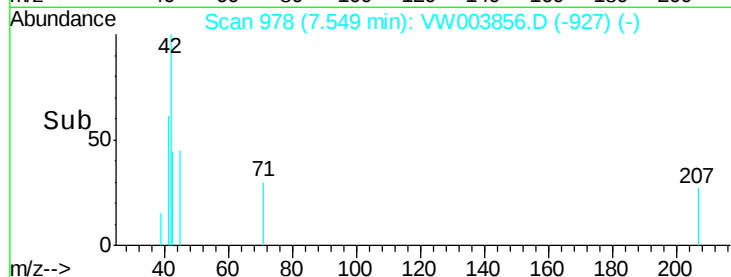
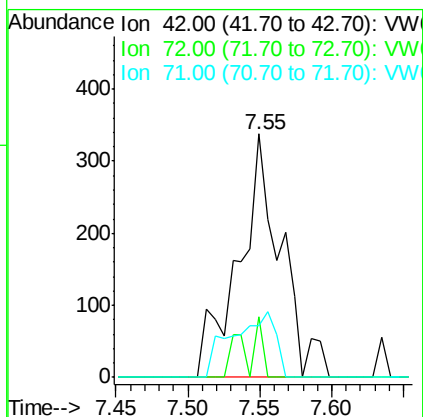
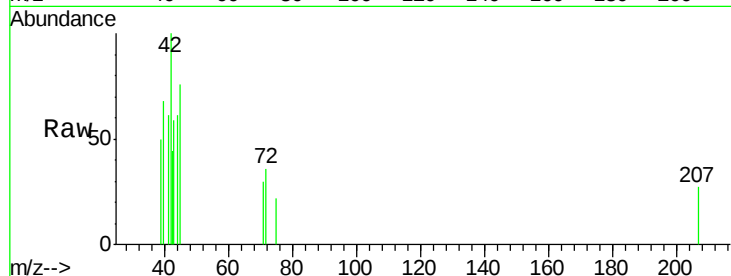




#29
Tetrahydrofuran
Concen: 2.475 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

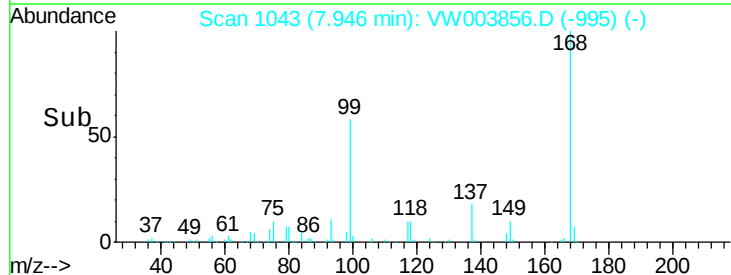
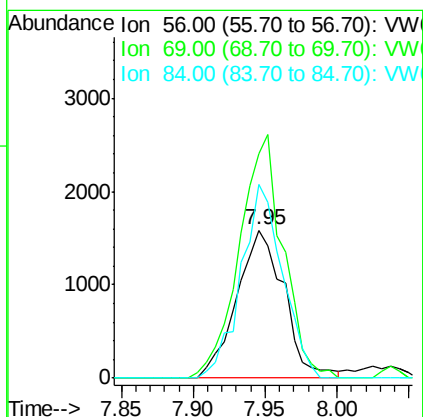
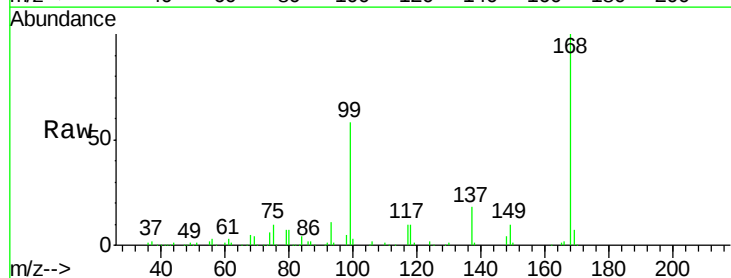
Instrument :
MSVOA_W
ClientSampled :
B3

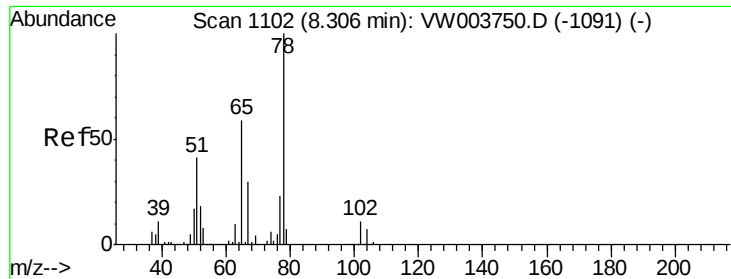
Tot Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 6.4 31.8 47.8#
71 27.9 30.3 45.5#



#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Tgt Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 151.8 26.2 39.4#
84 130.7 65.5 98.3#

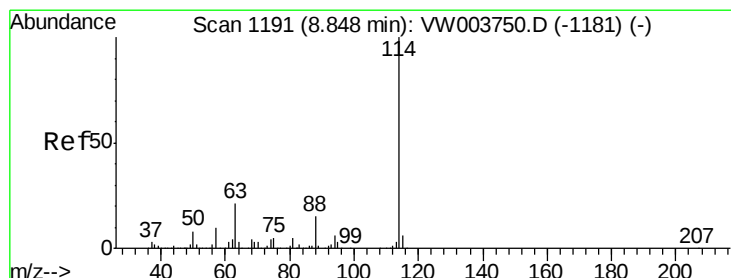
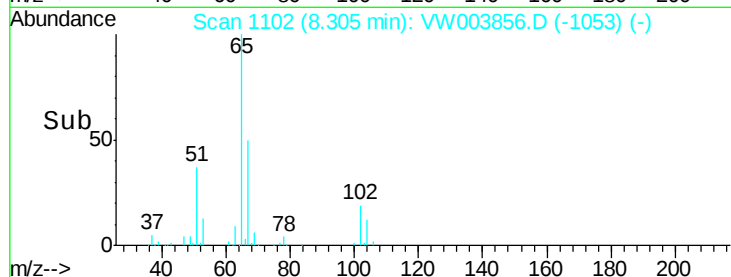
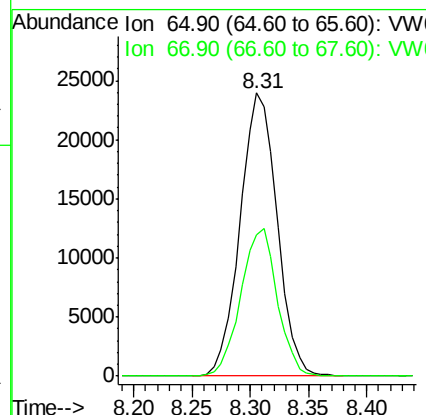
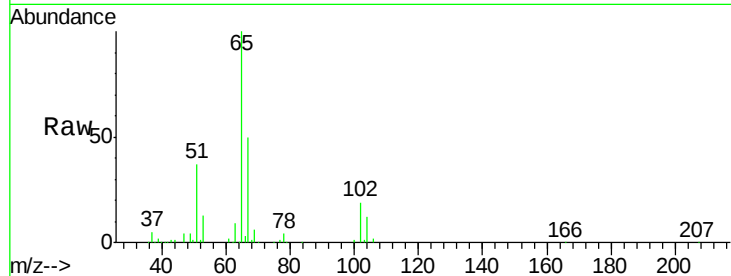




#33
 1,2-Dichloroethane-d4
 Concen: 33.445 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003856.D
 Acq: 11 Jul 2018 06:22

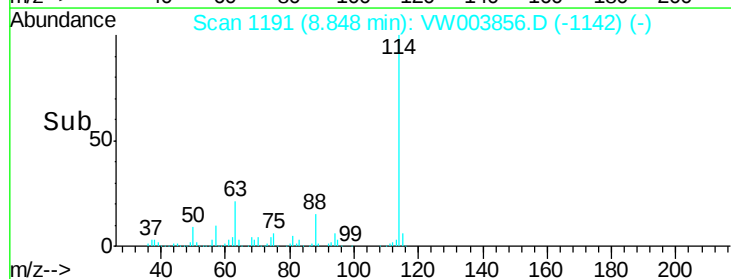
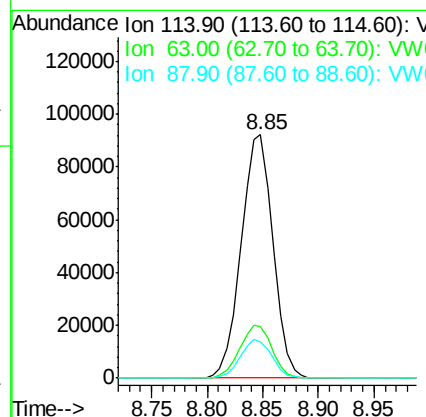
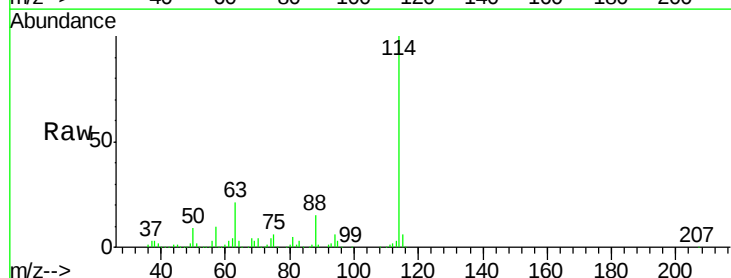
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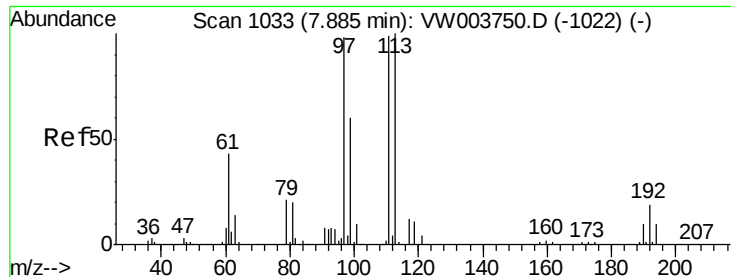
Tot Ion: 65 Resp: 52992
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003856.D
 Acq: 11 Jul 2018 06:22

Tgt Ion: 114 Resp: 182720
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.8
 88 15.1 0.0 30.2

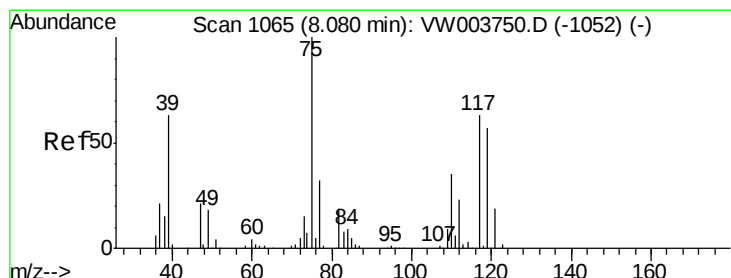
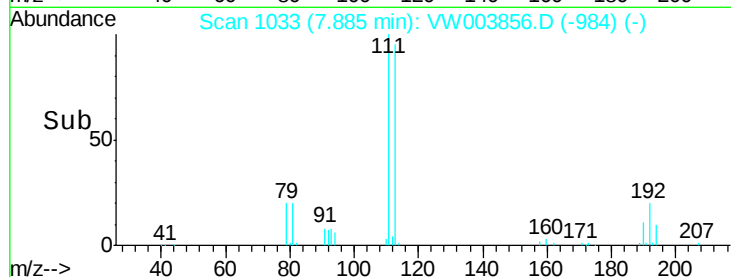
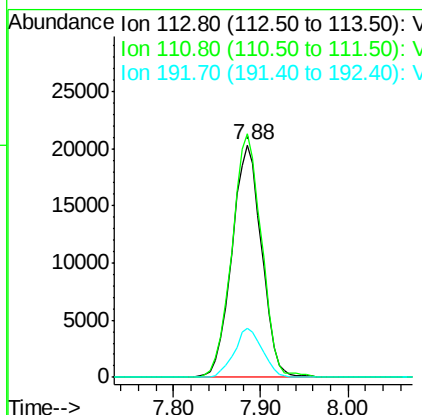
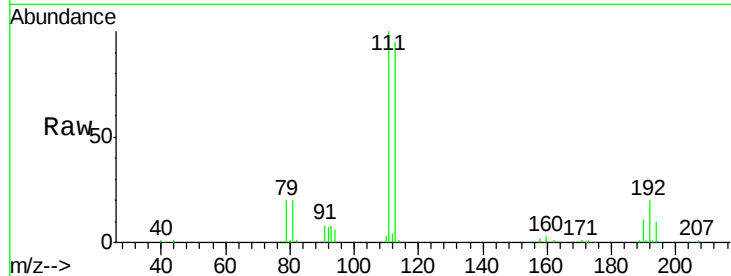




#35
 Dibromofluoromethane
 Concen: 37.458 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003856.D
 Acq: 11 Jul 2018 06:22

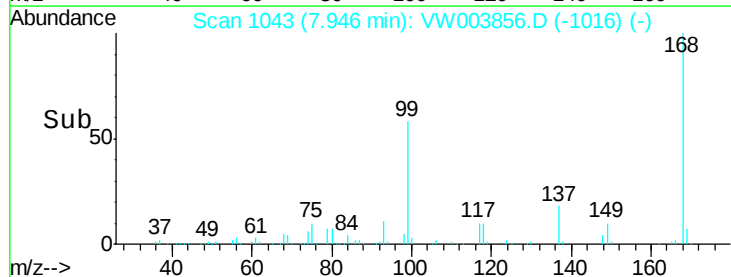
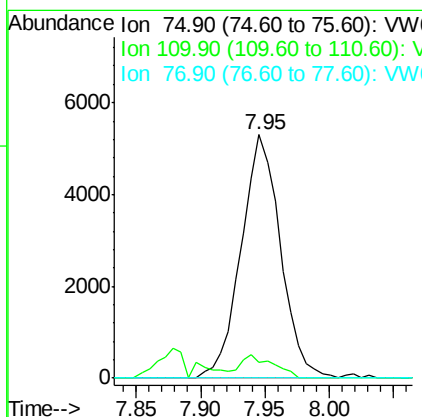
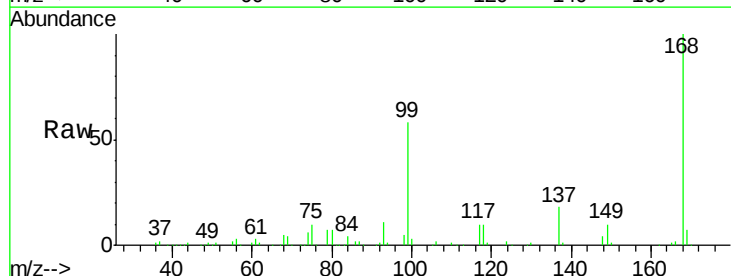
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 ClientSampled :
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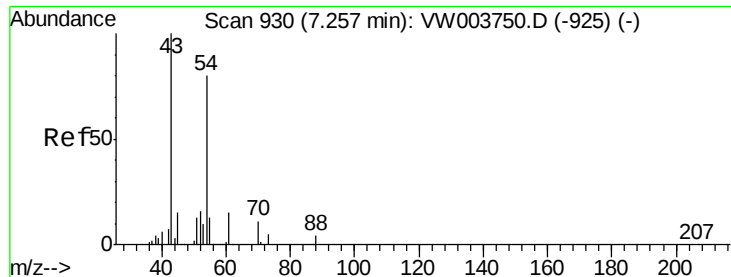
Tot Ion:113 Resp: 47902
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.7 122.5
 192 20.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 5.773 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003856.D
 Acq: 11 Jul 2018 06:22

Tgt Ion: 75 Resp: 11192
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.8 37.2#

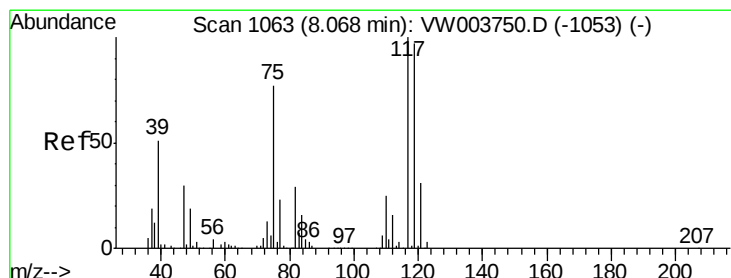
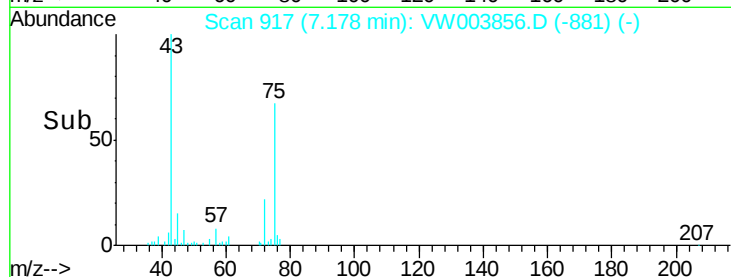
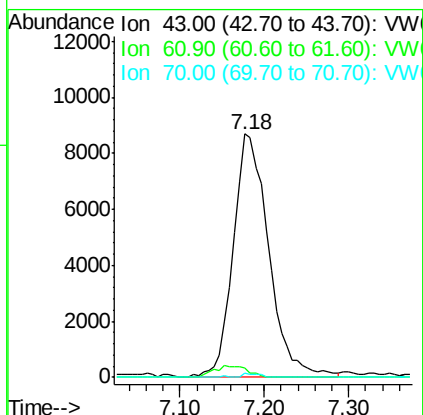
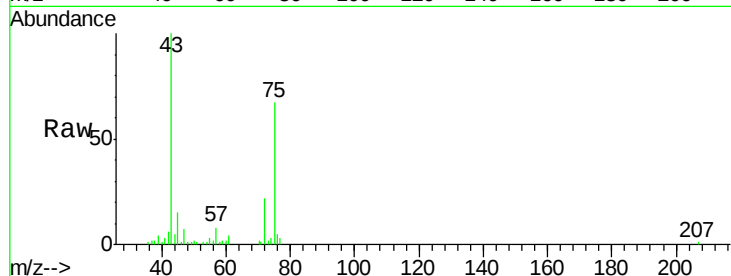




#37
Ethyl Acetate
Concen: 26.374 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.08 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

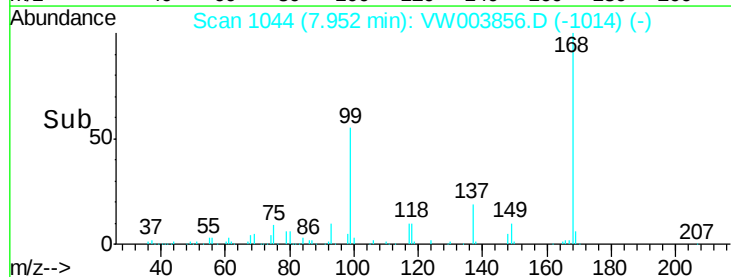
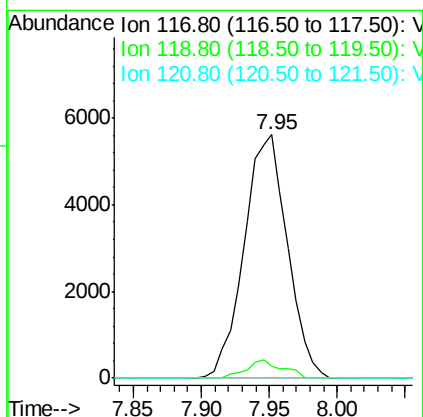
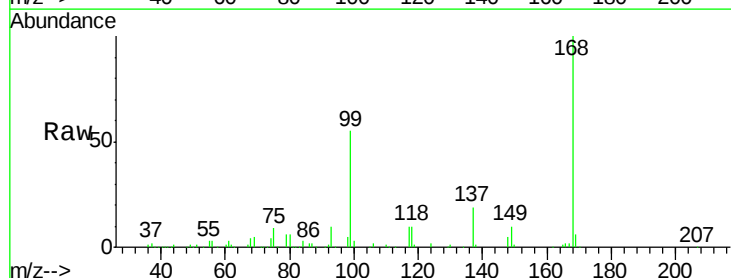
Instrument :
MSVOA_W
ClientSampled :
B3

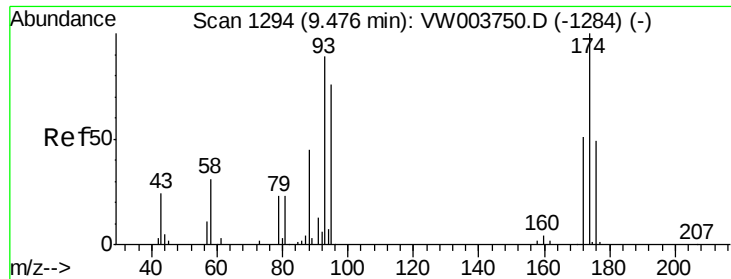
Tot Ion: 43 Resp: 24880
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.6 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 6.796 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Tgt Ion: 117 Resp: 12528
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.6 37.0#

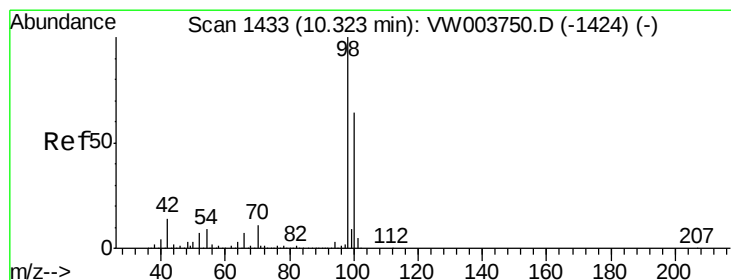
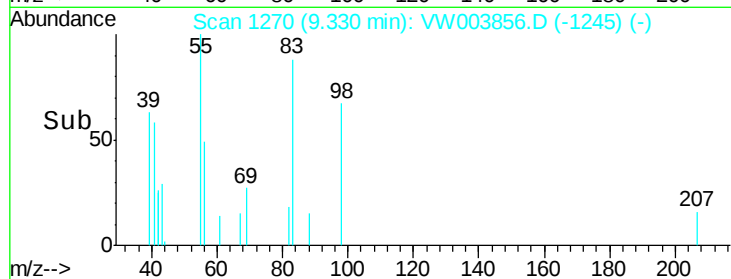
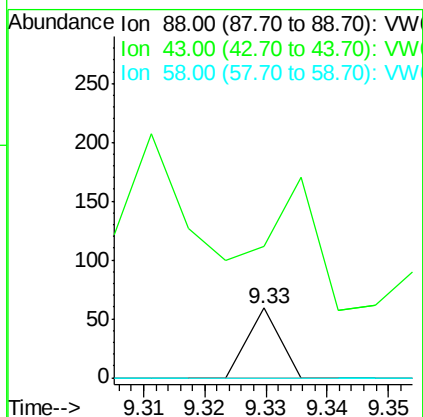
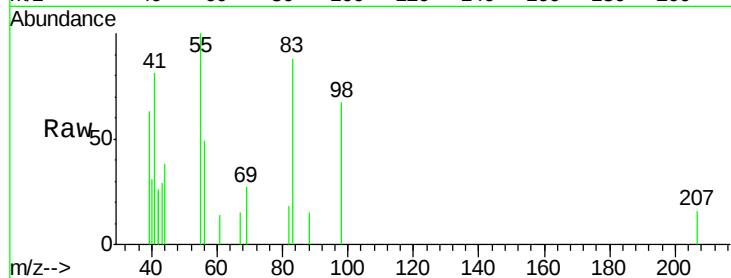




#49
1,4-Dioxane
Concen: 1.943 ug/l
RT: 9.33 min Scan# 1270
Delta R.T. -0.15 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

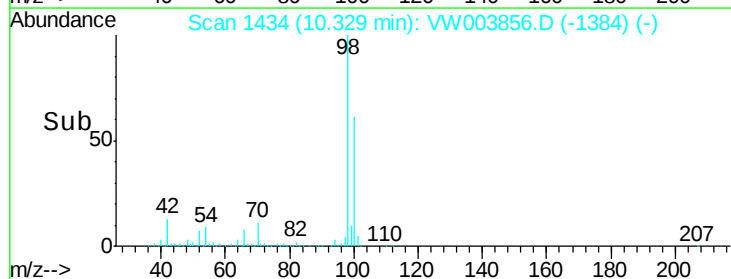
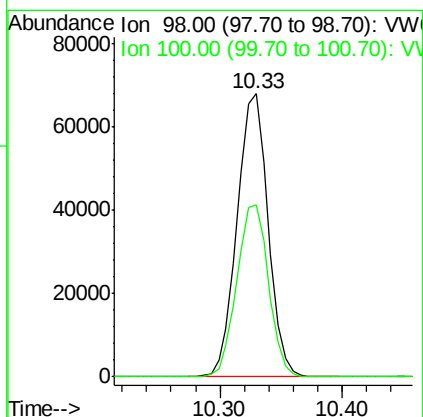
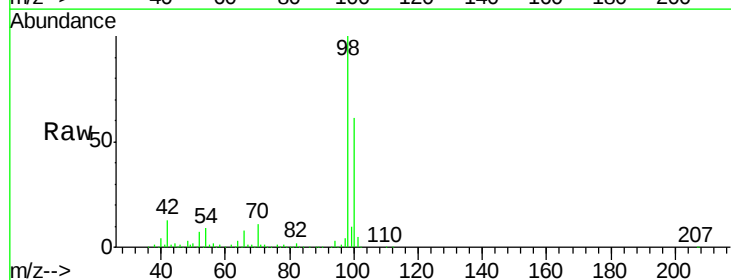
Instrument :
MSVOA_W
ClientSampled :
B3

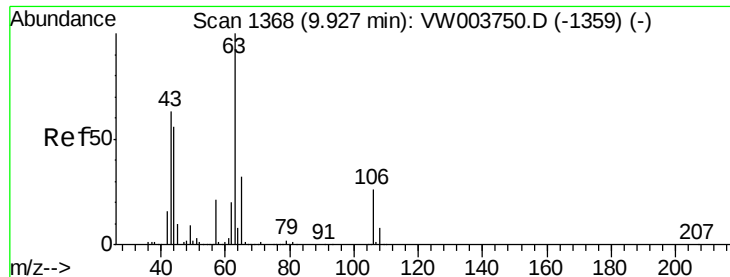
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 568.2 0.0 0.0#
58 0.0 59.7 89.5#



#50
Toluene-d8
Concen: 24.422 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Tgt Ion: 98 Resp: 119468
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2





#58

2-Chloroethyl Vinyl ether

Concen: 13.196 ug/l

RT: 9.68 min Scan# 1328

Delta R.T. -0.24 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

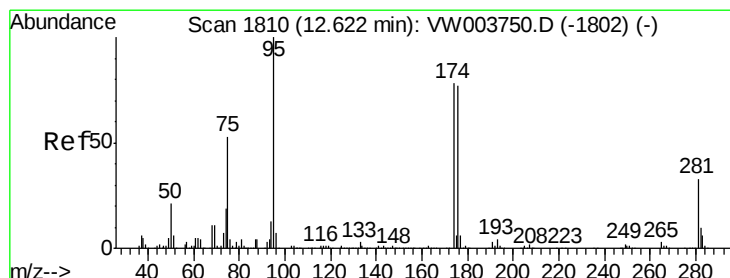
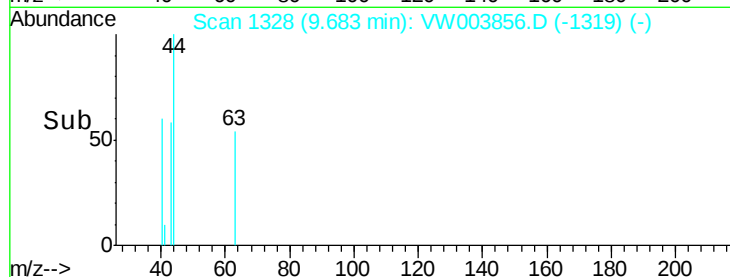
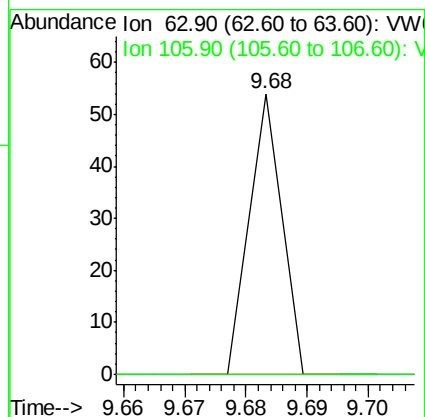
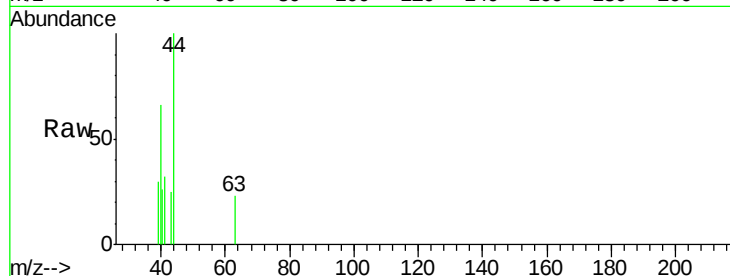
B3

Tot Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#



#62

4-Bromofluorobenzene

Concen: 12.365 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

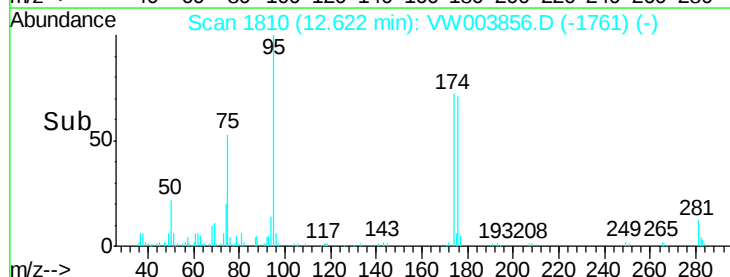
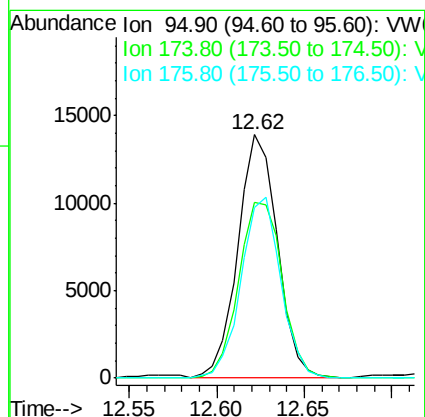
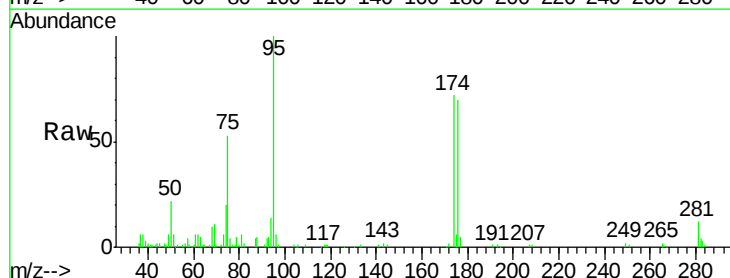
Tgt Ion: 95 Resp: 21885

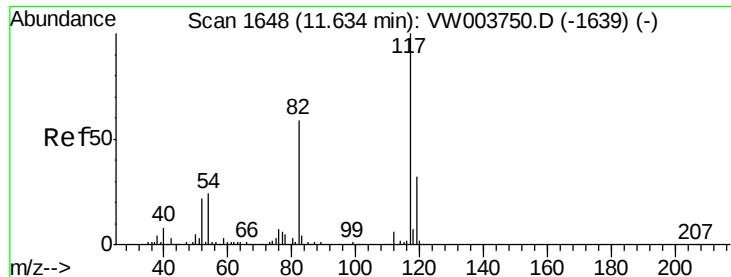
Ion Ratio Lower Upper

95 100

174 79.7 0.0 163.4

176 74.7 0.0 156.8

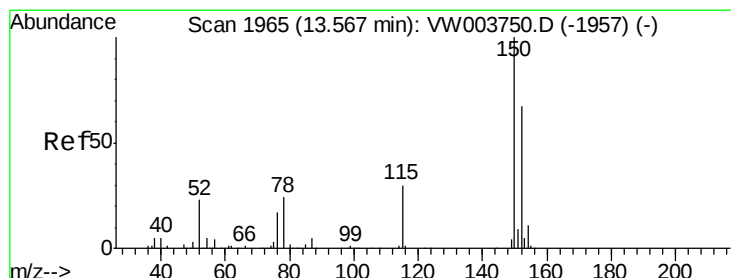
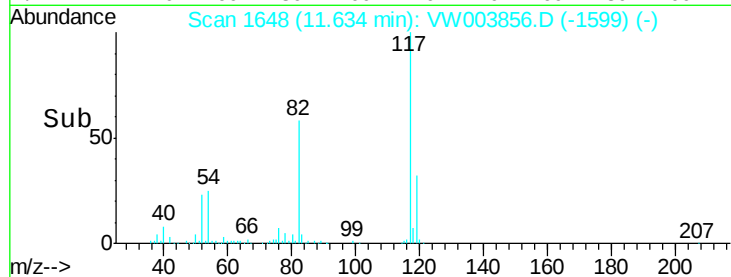
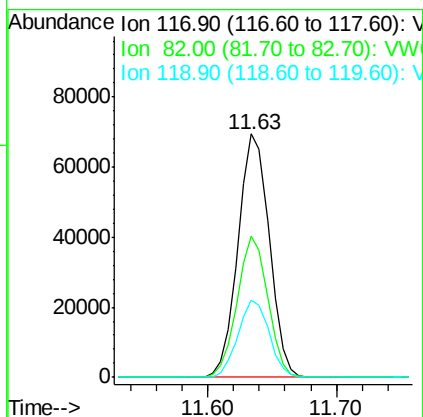
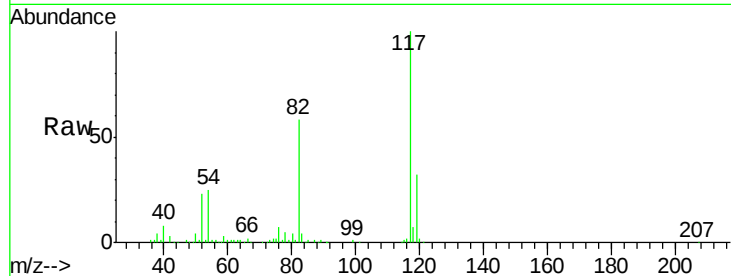




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

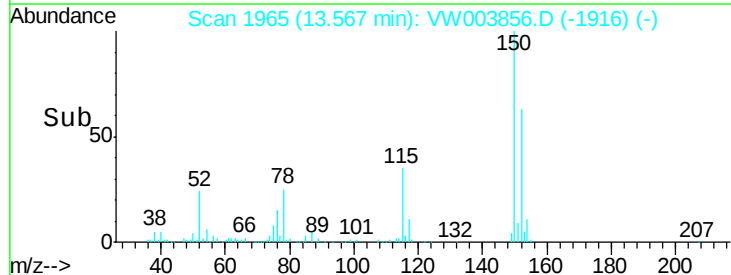
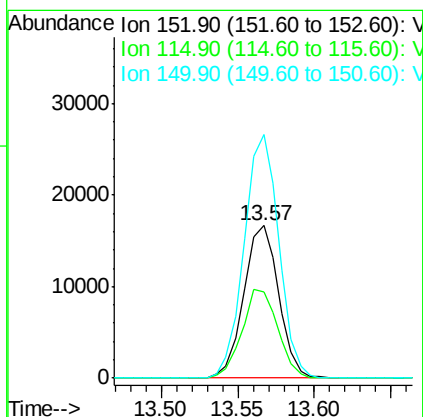
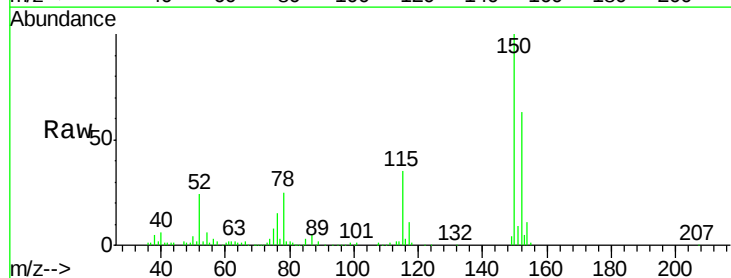
Instrument :
MSVOA_W
ClientSampled :
B3

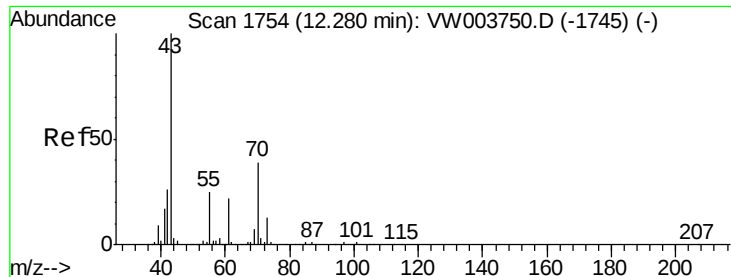
Tot Ion:117 Resp: 11682
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Tgt Ion:152 Resp: 26528
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 158.2 0.0 342.4





#74

N-amvl acetate

Concen: 1.109 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW003856.D

Acq: 11 Jul 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

B3

Tot Ion: 43 Resp: 540

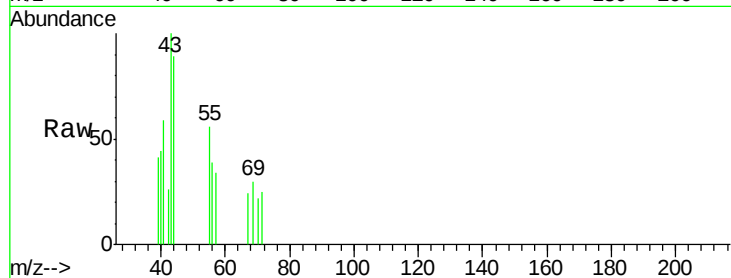
Ion Ratio Lower Upper

43 100

70 3.5 31.3 46.9#

55 57.0 20.1 30.1#

61 0.0 17.7 26.5#

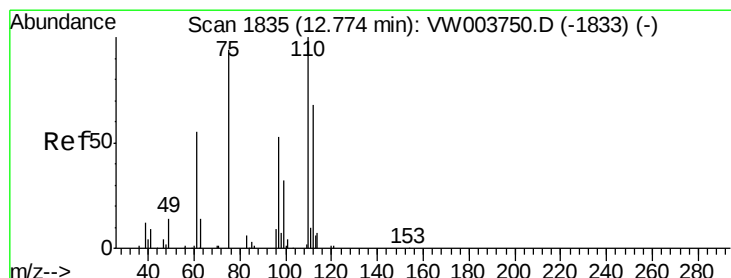
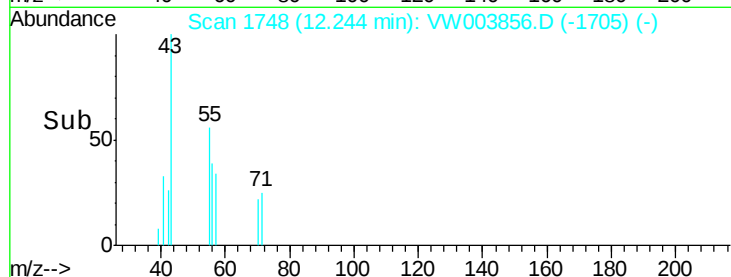
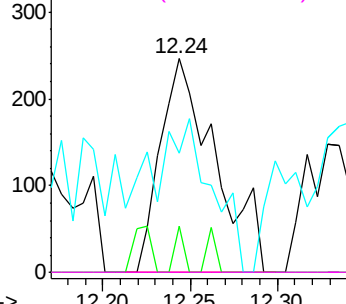


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 45.731 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003856.D

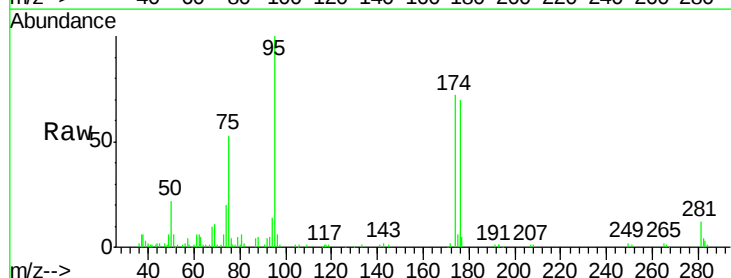
Acq: 11 Jul 2018 06:22

Tgt Ion: 75 Resp: 11913

Ion Ratio Lower Upper

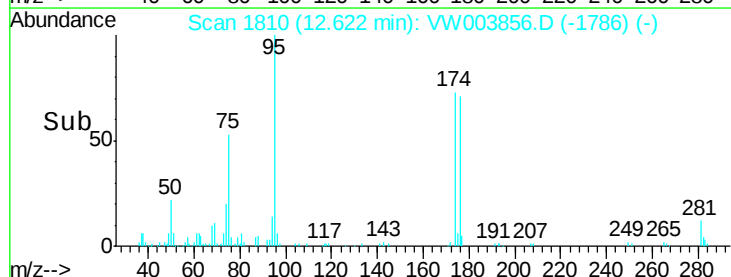
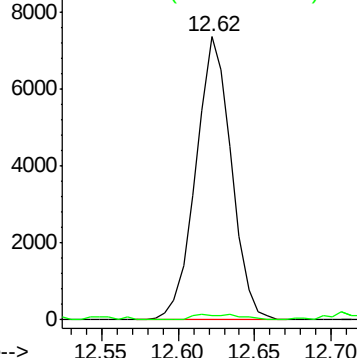
75 100

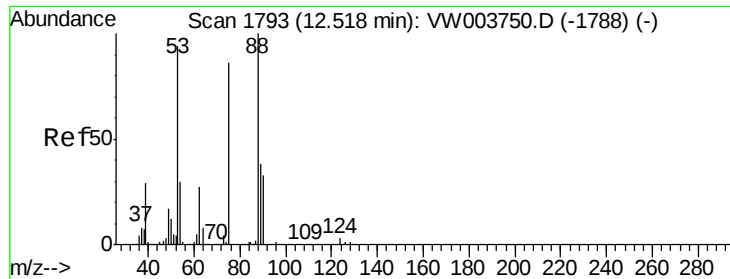
77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

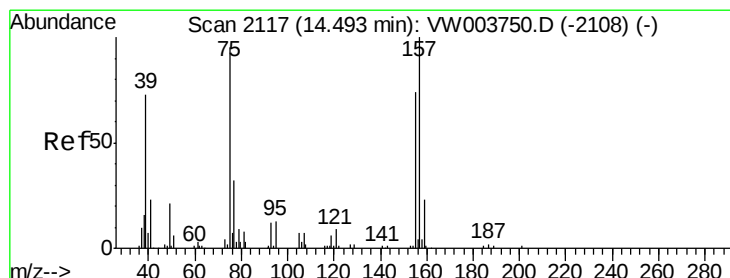
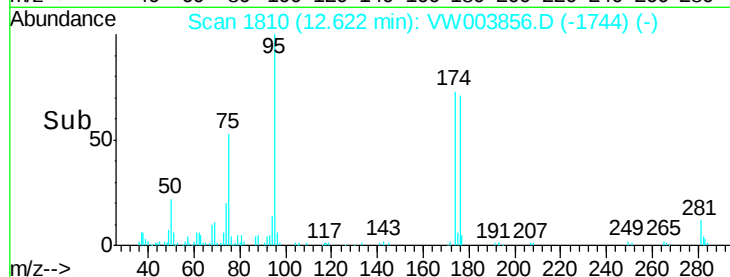
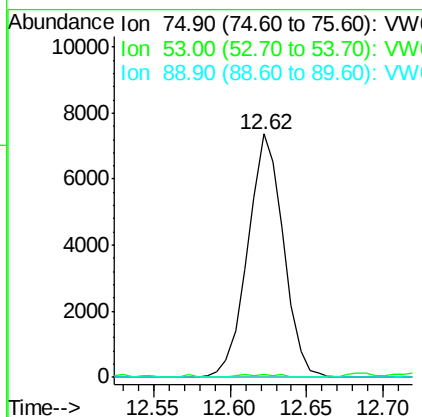
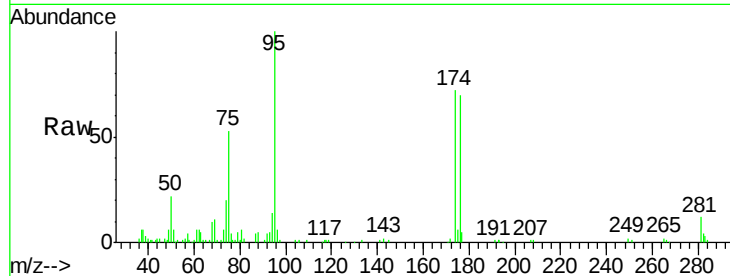




#81
trans-1,4-Dichloro-2-butene
Concen: 111.869 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Instrument :
MSVOA_W
ClientSampleId :
B3

Tot Ion: 75 Resp: 11913
Ion Ratio Lower Upper
75 100
53 0.6 85.0 127.6#
89 0.0 36.3 54.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.221 ug/l
RT: 14.35 min Scan# 2093
Delta R.T. -0.15 min
Lab File: VW003856.D
Acq: 11 Jul 2018 06:22

Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
155 0.0 39.2 117.6#
157 0.0 50.7 152.1#

