

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003854.D
 Acq On : 11 Jul 2018 05:30
 Operator : SY/AP
 Sample : J3914-01
 Misc : 3.24G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B1

Quant Time: Jul 11 06:55:53 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	122445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	192741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47305	29.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.08%	
35) Dibromofluoromethane	7.88	113	43491	32.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.48%	
50) Toluene-d8	10.33	98	126217	24.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.92%	
62) 4-Bromofluorobenzene	12.62	95	38467	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	

Target Compounds

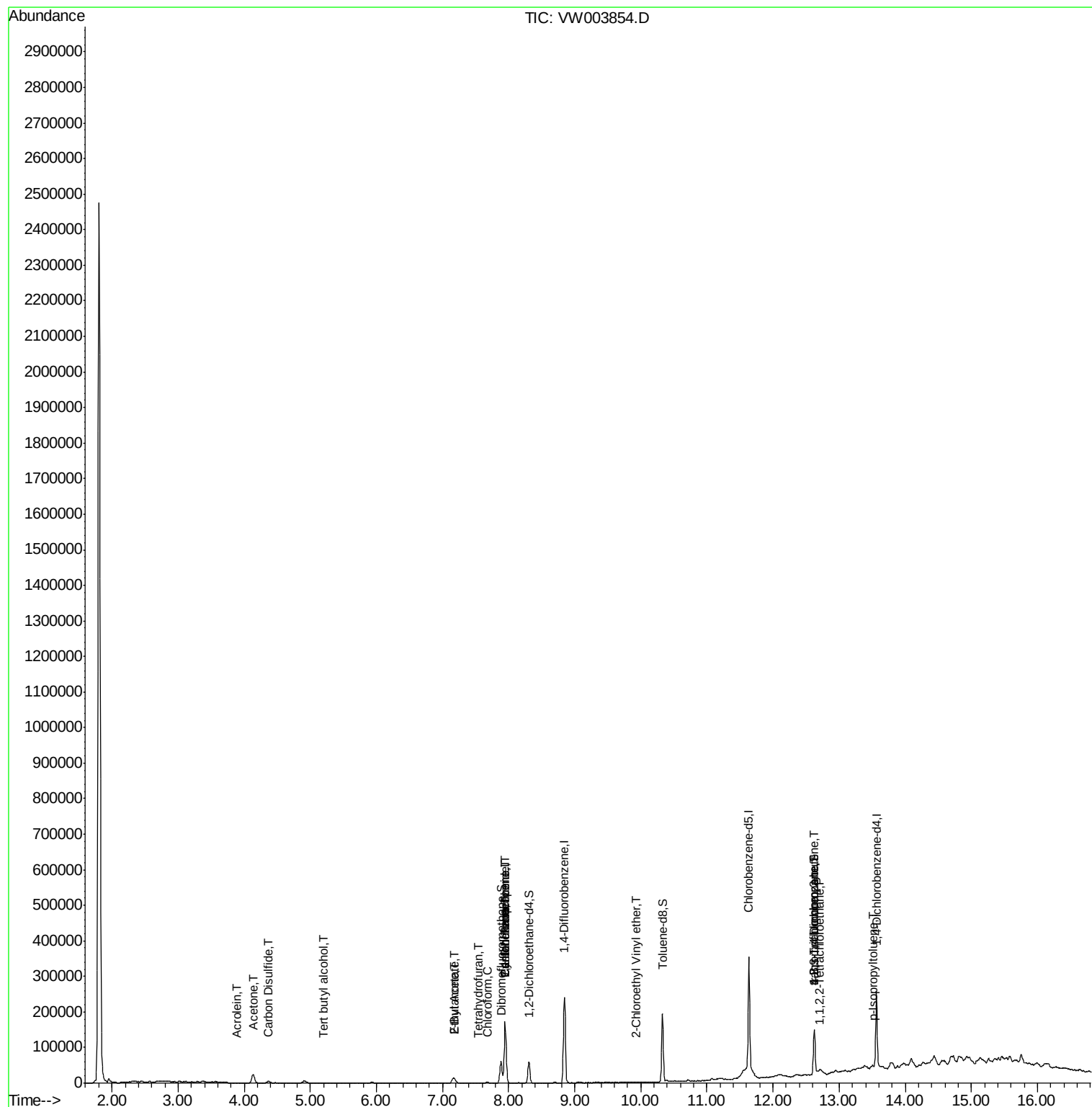
						Qvalue
11) Tert butyl alcohol	5.20	59	568	6.546	ug/l #	70
13) Acrolein	3.89	56	79	5.279	ug/l #	14
16) Acetone	4.13	43	44914	161.672	ug/l	96
17) Carbon Disulfide	4.37	76	10896	2.889	ug/l	95
20) Methylene Chloride	4.92	84	4904	Below Cal	#	86
25) 2-Butanone	7.18	43	14571	33.487	ug/l #	86
29) Tetrahydrofuran	7.54	42	364	1.301	ug/l #	36
30) Chloroform	7.68	83	2757	1.016	ug/l #	80
31) Cyclohexane	7.95	56	3294	1.410	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	10592	5.179	ug/l #	47
37) Ethyl Acetate	7.18	43	14571	14.643	ug/l #	71
38) Carbon Tetrachloride	7.95	117	12745	6.555	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.93	63	48	13.232	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.69	83	756	1.004	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	19606	36.385	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19606	89.006	ug/l #	8
86) p-Isopropyltoluene	13.51	119	4772	1.382	ug/l #	79

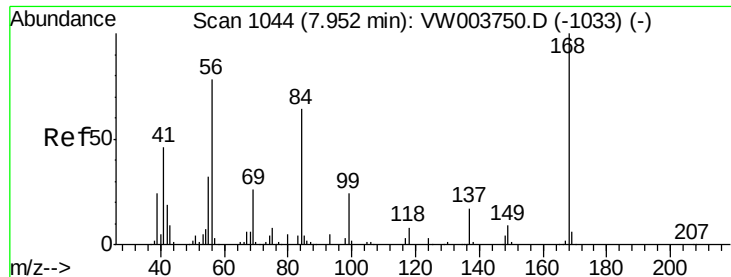
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

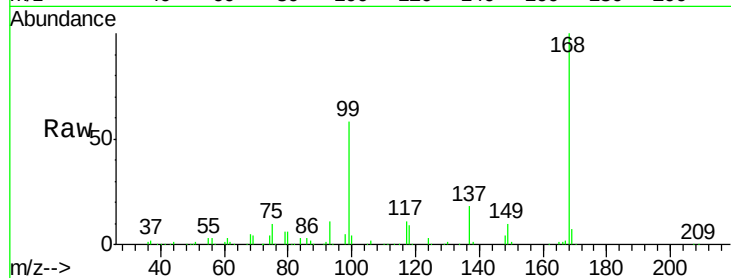
B1

Tot Ion:168 Resp: 122445

Ion Ratio Lower Upper

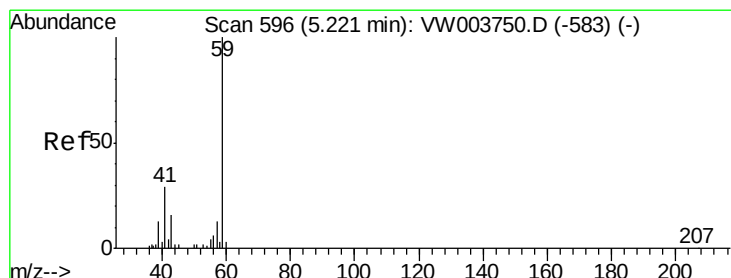
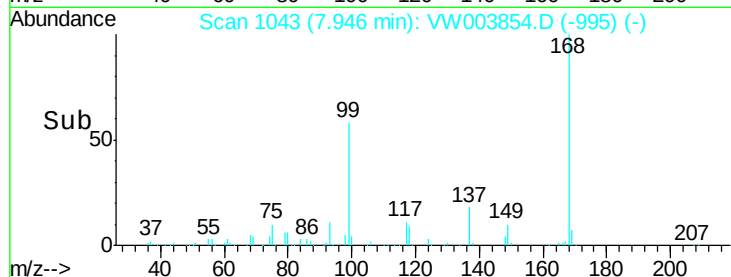
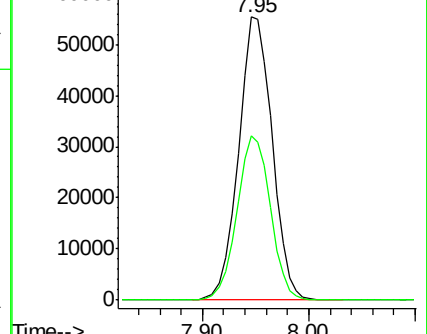
168 100

99 58.1 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: 6.546 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW003854.D

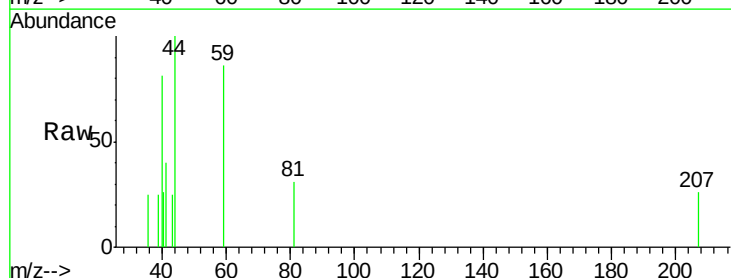
Acq: 11 Jul 2018 05:30

Tgt Ion: 59 Resp: 568

Ion Ratio Lower Upper

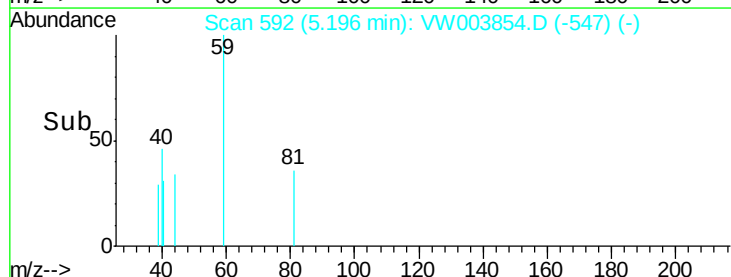
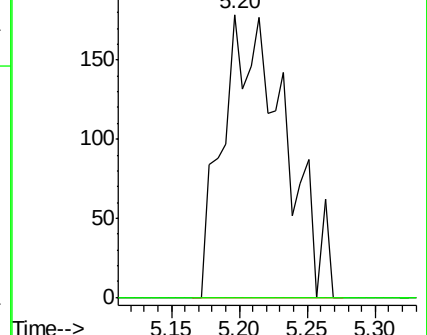
59 100

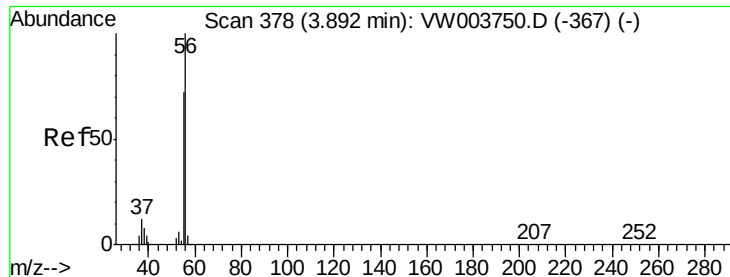
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.279 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

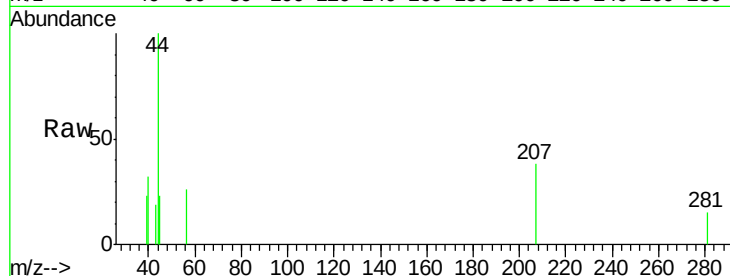
B1

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

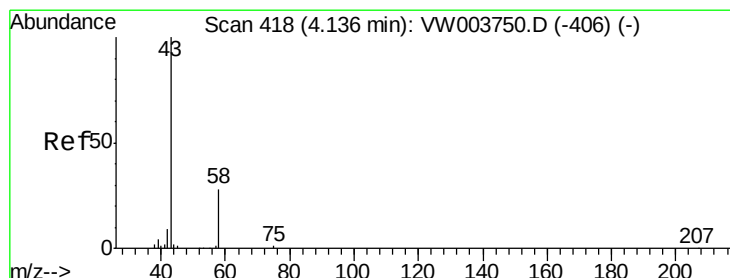
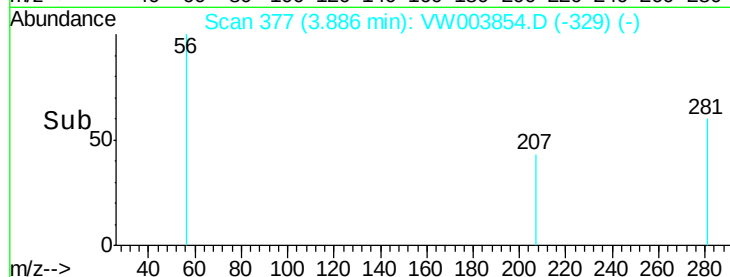
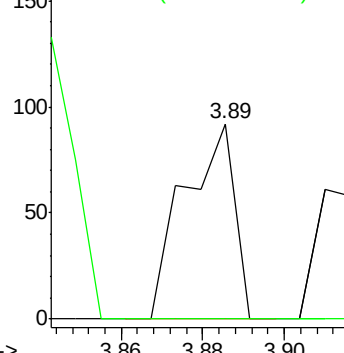
56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 161.672 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003854.D

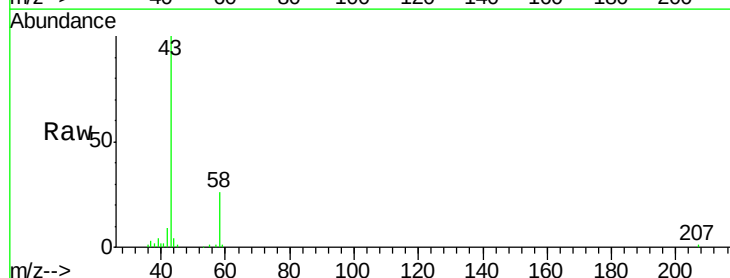
Acq: 11 Jul 2018 05:30

Tgt Ion: 43 Resp: 44914

Ion Ratio Lower Upper

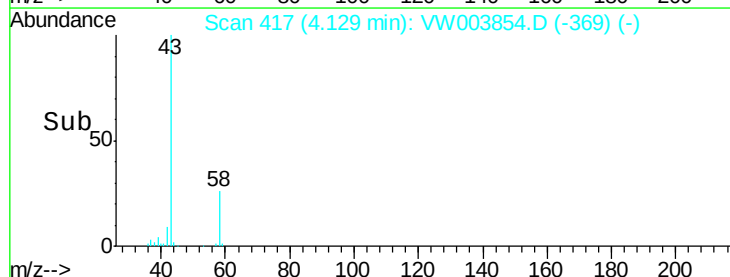
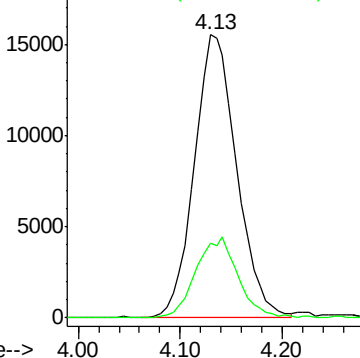
43 100

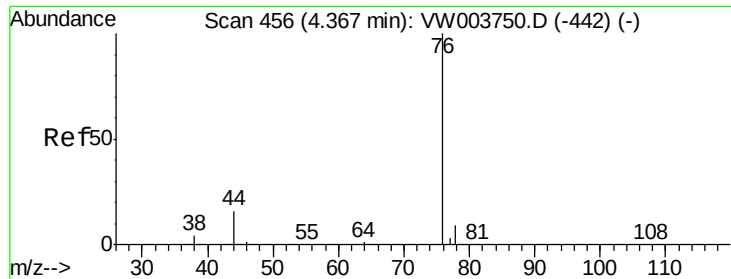
58 26.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.889 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

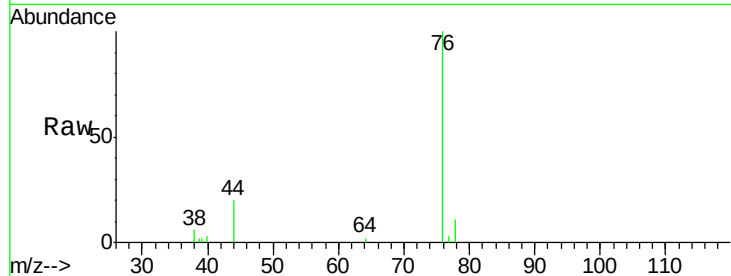
B1

Tot Ion: 76 Resp: 10896

Ion Ratio Lower Upper

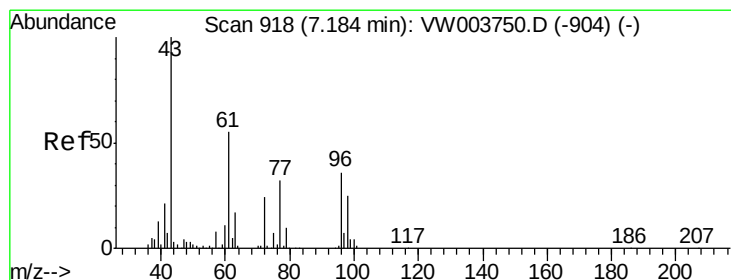
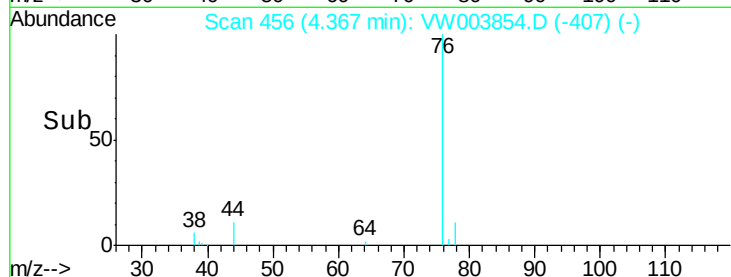
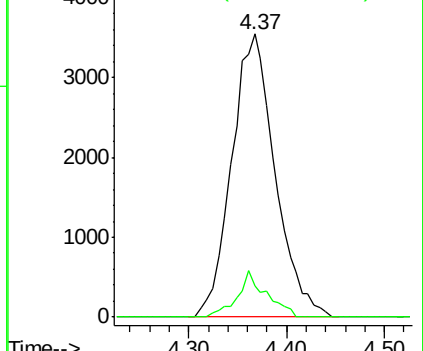
76 100

78 11.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 33.487 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003854.D

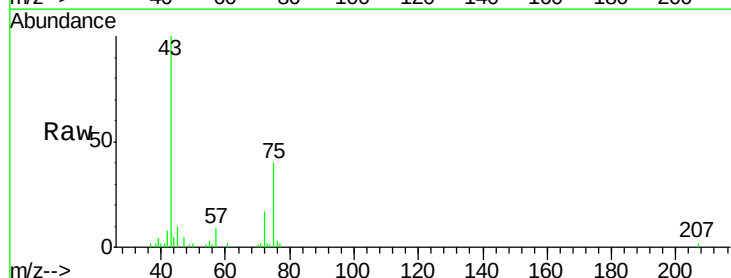
Acq: 11 Jul 2018 05:30

Tgt Ion: 43 Resp: 14571

Ion Ratio Lower Upper

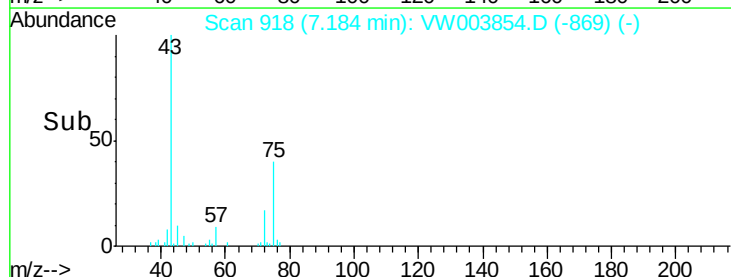
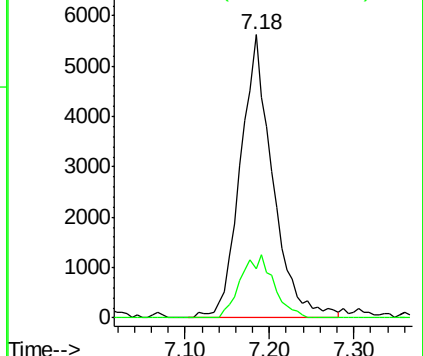
43 100

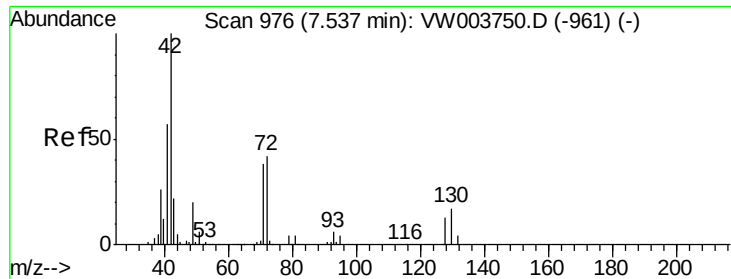
72 17.5 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

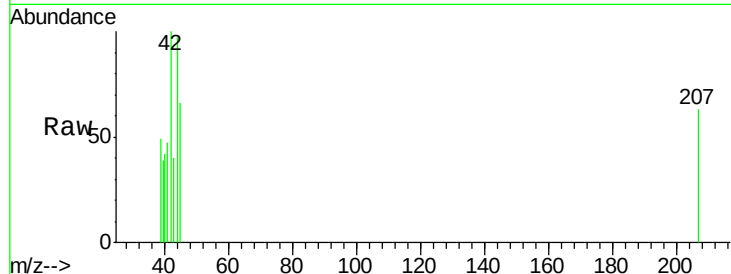




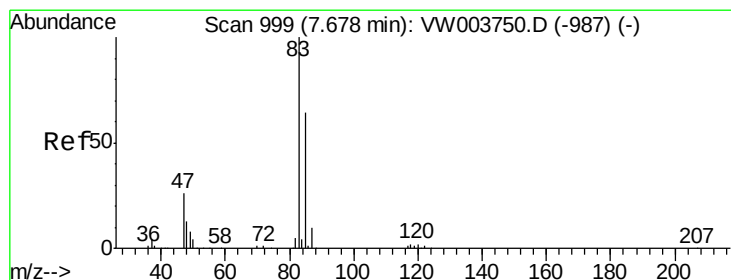
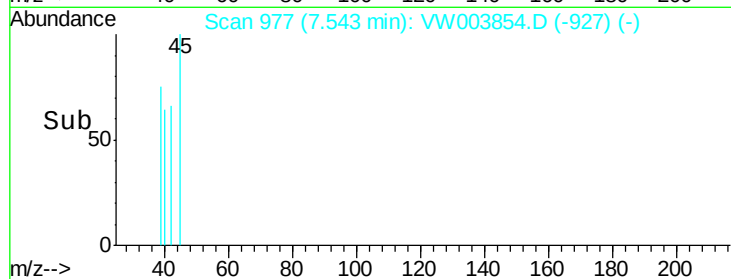
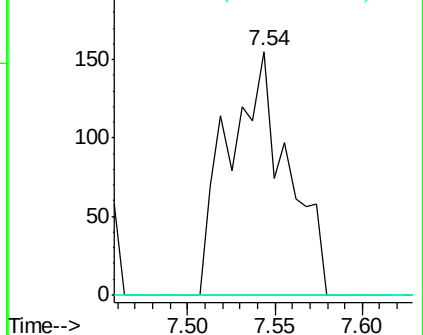
#29
Tetrahydrofuran
Concen: 1.301 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

Instrument :
MSVOA_W
ClientSampled :
B1

Tot Ion: 42 Resp: 364
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 0.0 30.3 45.5#

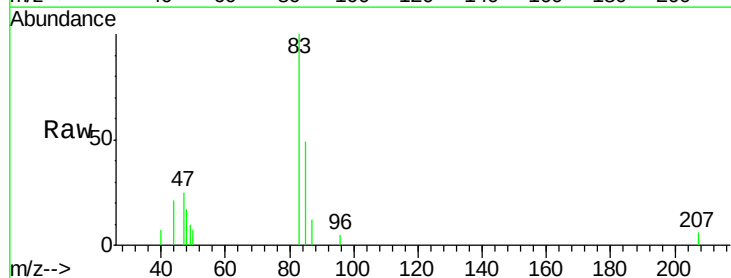


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

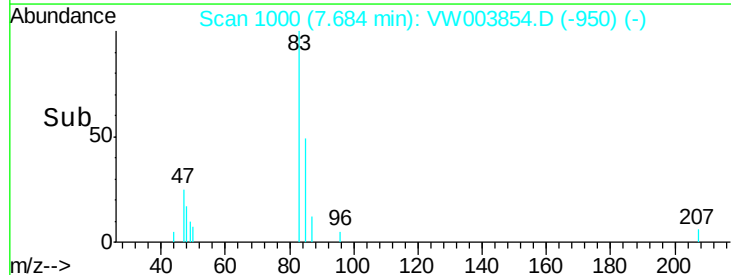
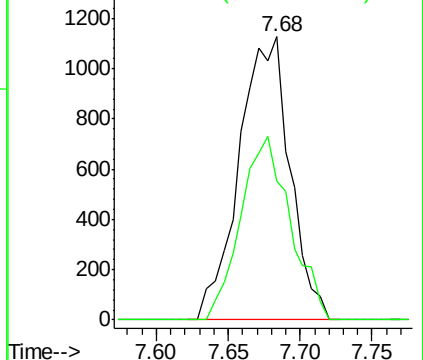


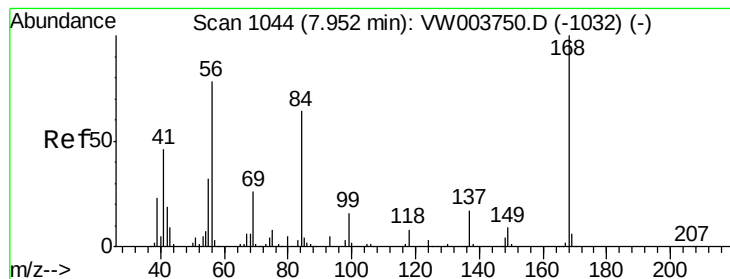
#30
Chloroform
Concen: 1.016 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

Tgt Ion: 83 Resp: 2757
Ion Ratio Lower Upper
83 100
85 48.9 51.5 77.3#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.410 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

B1

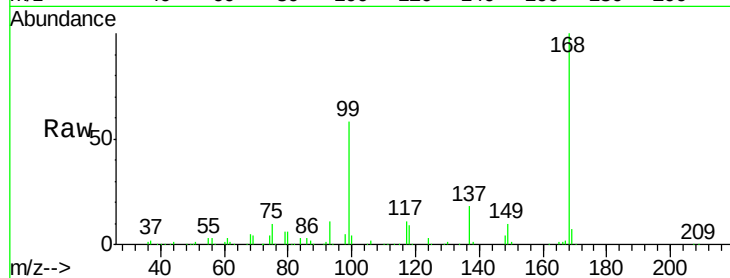
Tot Ion: 56 Resp: 3294

Ion Ratio Lower Upper

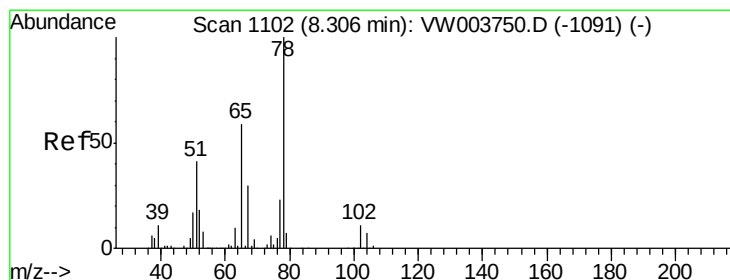
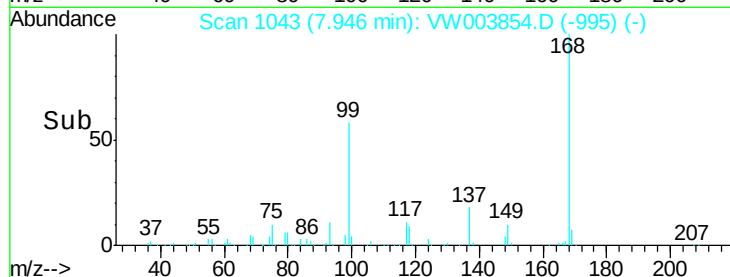
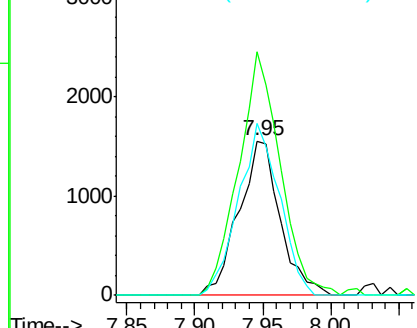
56 100

69 157.6 26.2 39.4#

84 111.3 65.5 98.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 29.543 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003854.D

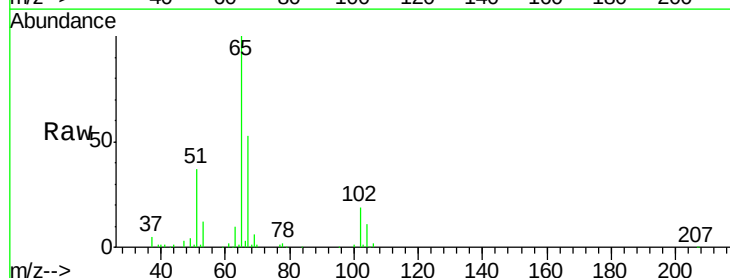
Acq: 11 Jul 2018 05:30

Tgt Ion: 65 Resp: 47305

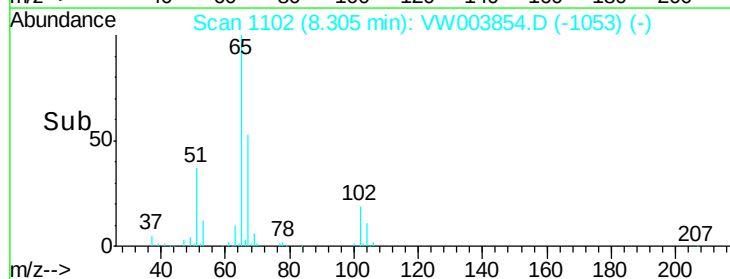
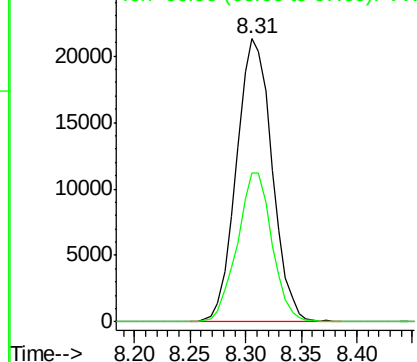
Ion Ratio Lower Upper

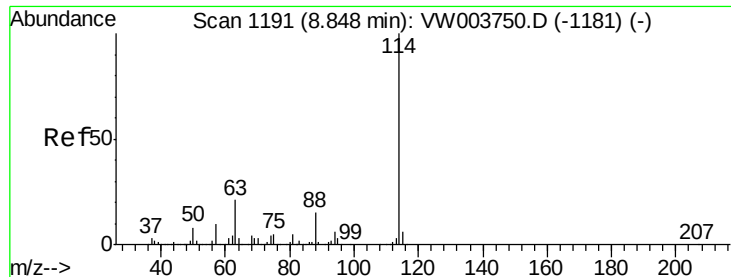
65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

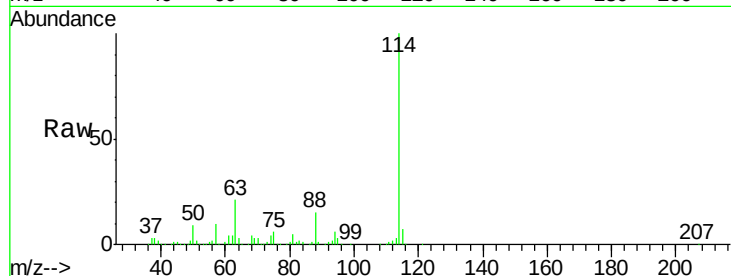




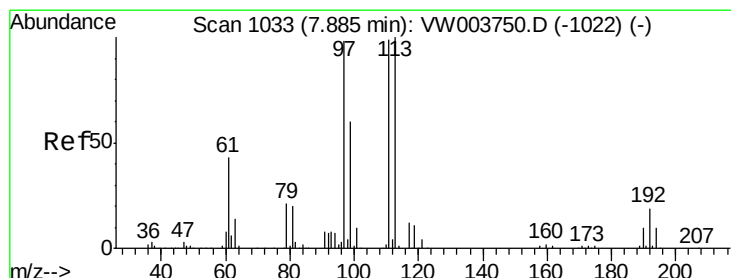
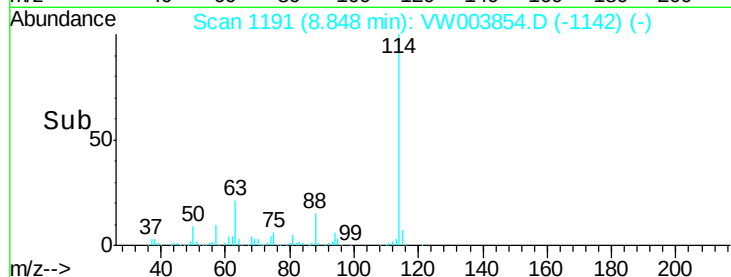
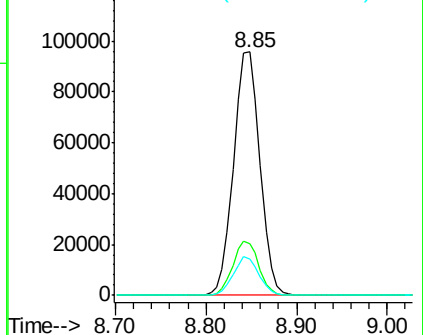
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003854.D
 Acq: 11 Jul 2018 05:30

Instrument :
 MSVOA_W
 ClientSampleId :
 B1

Tot Ion:114 Resp: 192741
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.8
 88 15.1 0.0 30.2

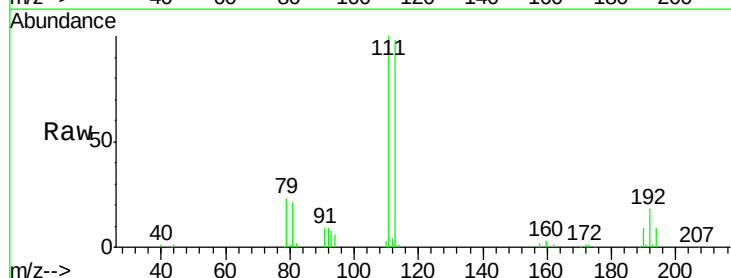


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

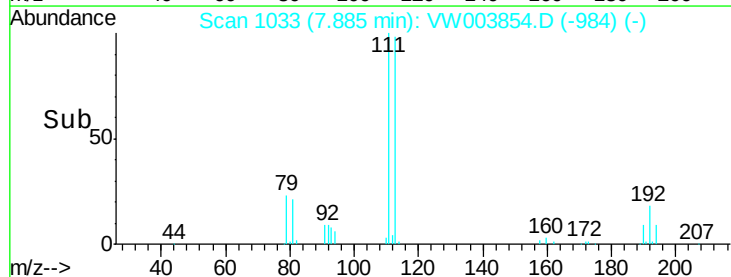
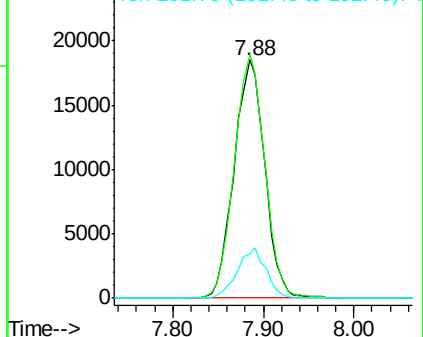


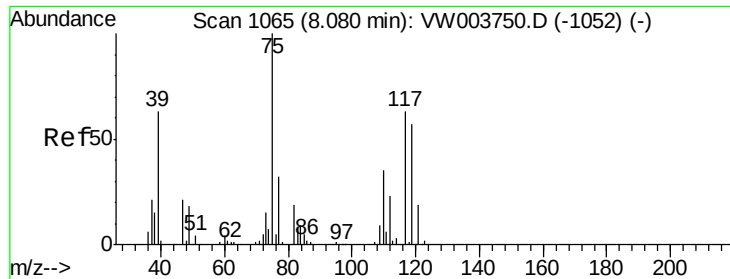
#35
 Dibromofluoromethane
 Concen: 32.240 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003854.D
 Acq: 11 Jul 2018 05:30

Tgt Ion:113 Resp: 43491
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.7 122.5
 192 19.4 15.8 23.8



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: 5.179 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

B1

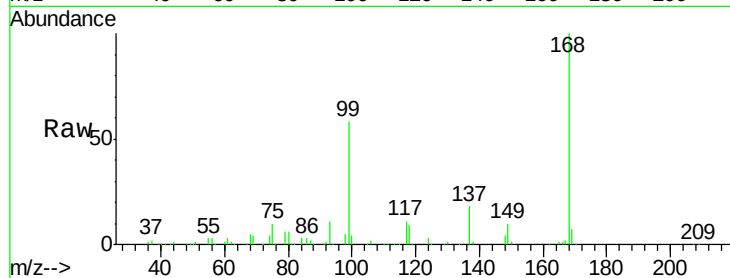
Tot Ion: 75 Resp: 10592

Ion Ratio Lower Upper

75 100

110 5.1 16.9 50.6#

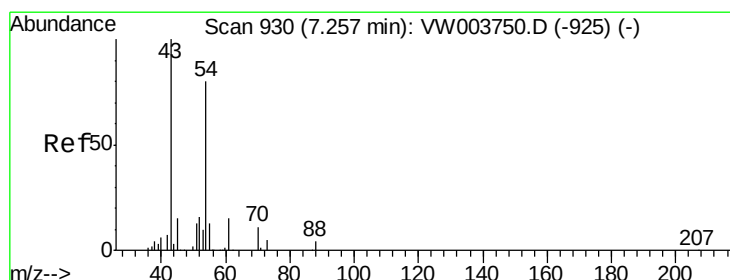
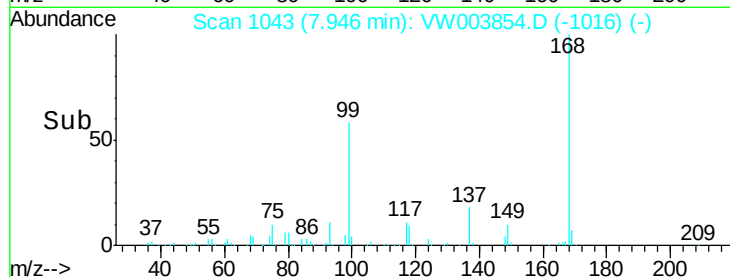
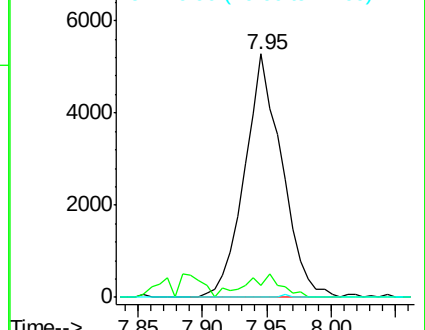
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 14.643 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

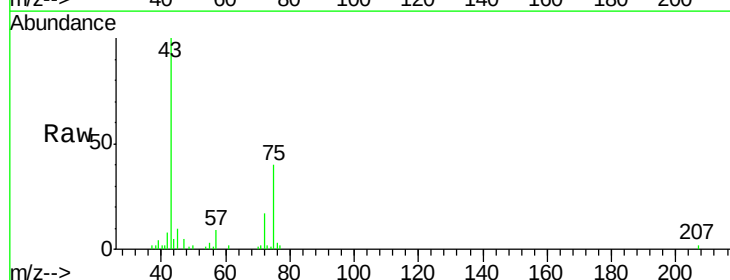
Tgt Ion: 43 Resp: 14571

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

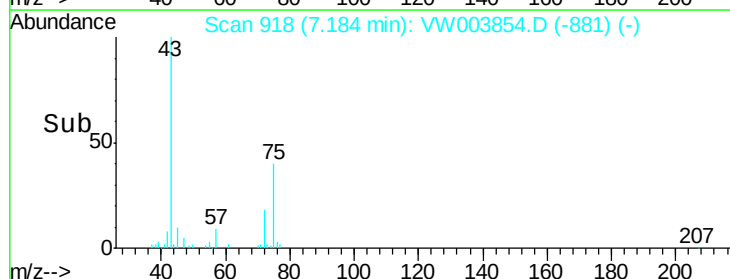
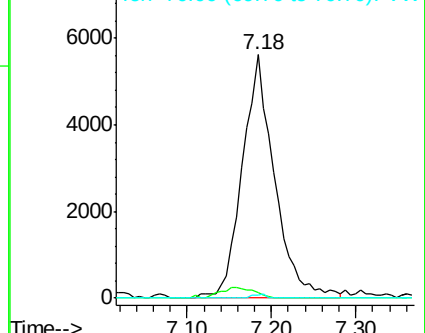
70 0.6 7.5 11.3#

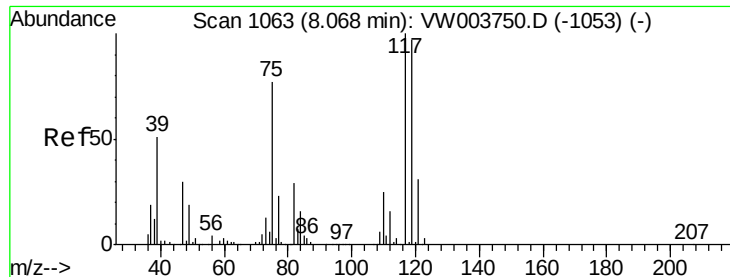


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.555 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

B1

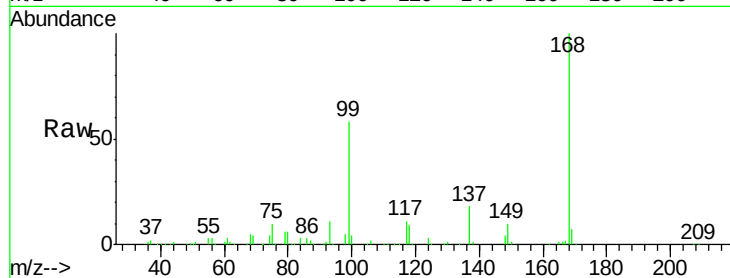
Tot Ion:117 Resp: 12745

Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.2#

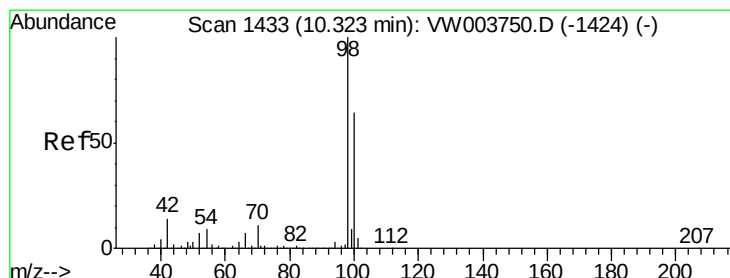
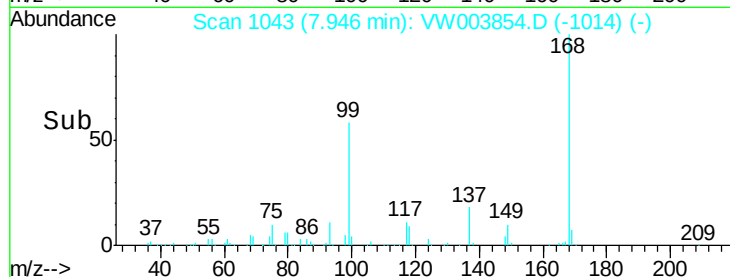
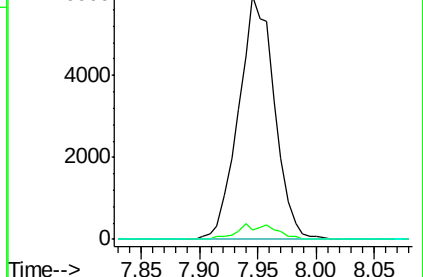
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 24.460 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003854.D

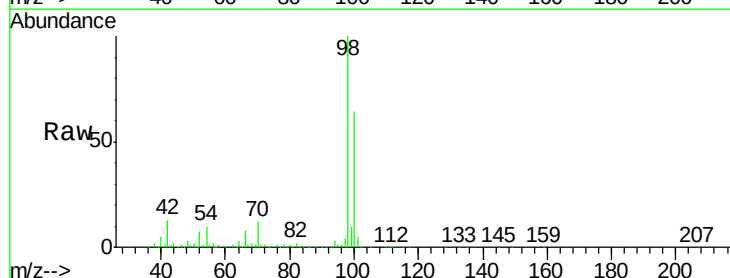
Acq: 11 Jul 2018 05:30

Tgt Ion: 98 Resp: 126217

Ion Ratio Lower Upper

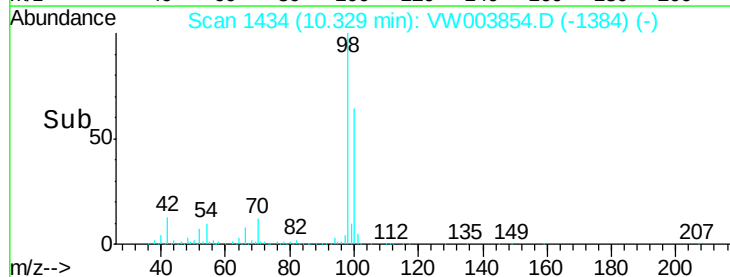
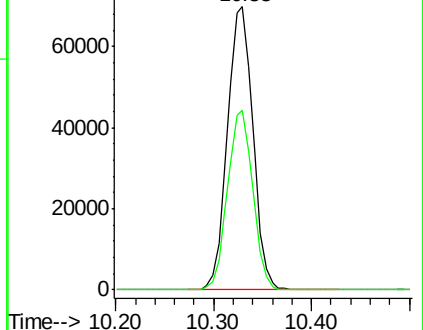
98 100

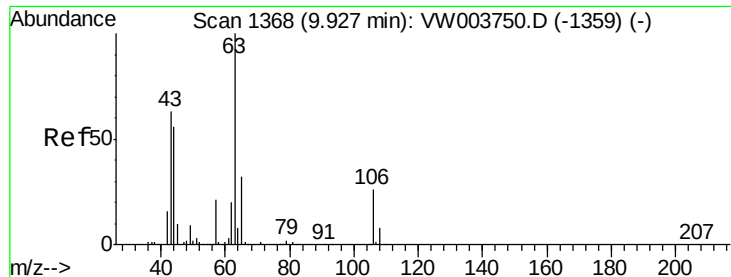
100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

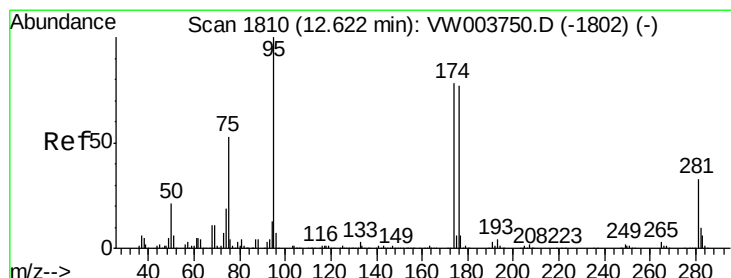
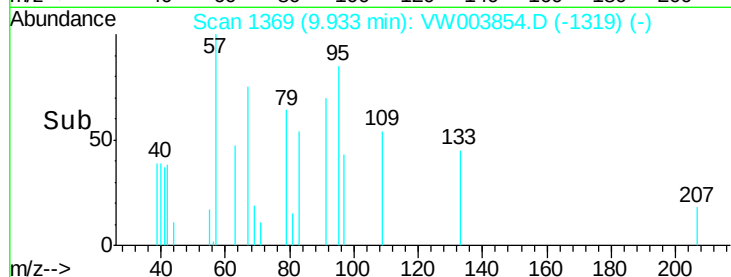
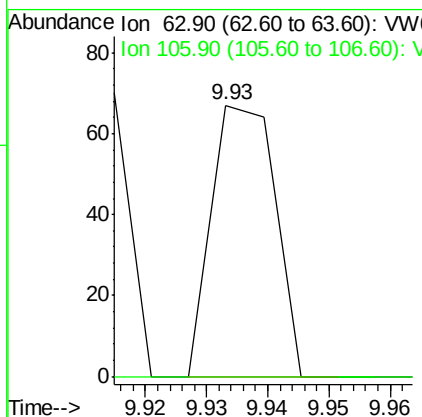
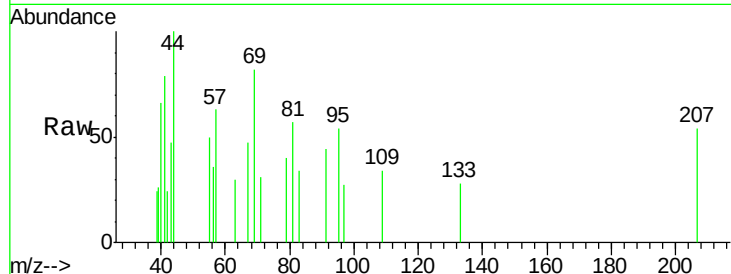




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.232 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW003854.D
 Acq: 11 Jul 2018 05:30

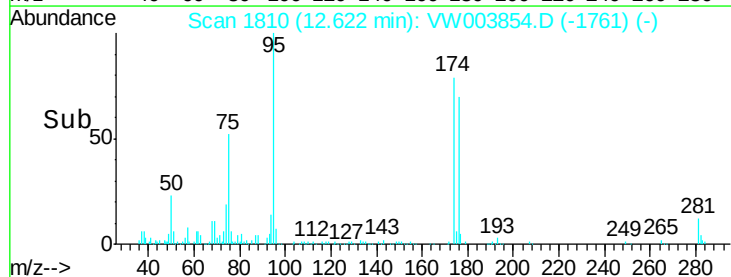
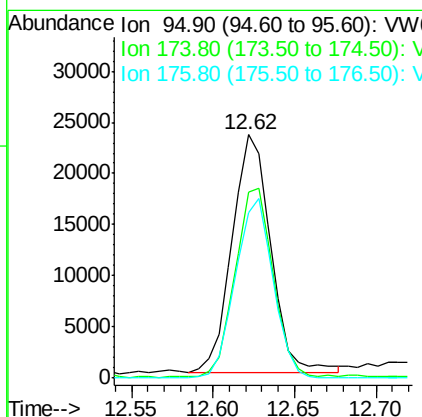
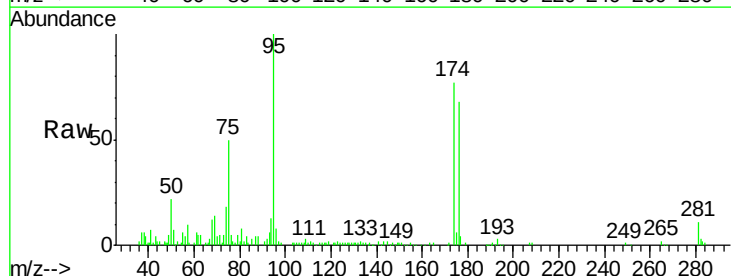
Instrument :
 MSVOA_W
 ClientSampled :
 B1

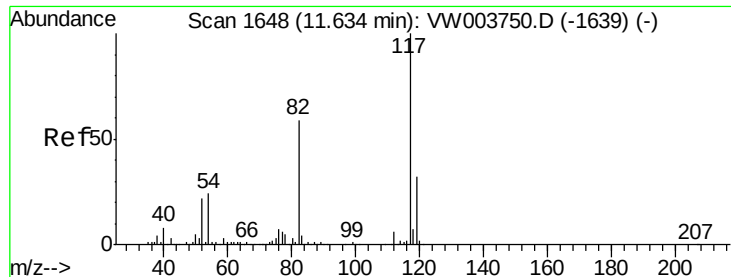
Tot Ion: 63 Resp: 48
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 20.604 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003854.D
 Acq: 11 Jul 2018 05:30

Tgt Ion: 95 Resp: 38467
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 163.4
 176 73.7 0.0 156.8

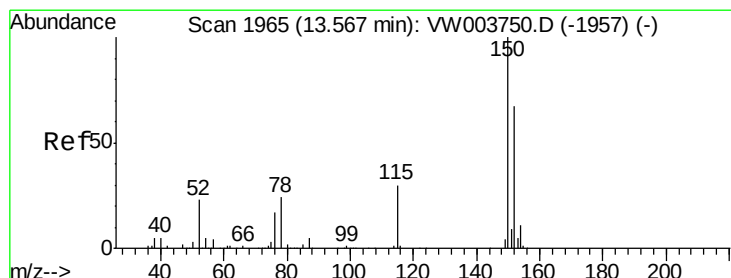
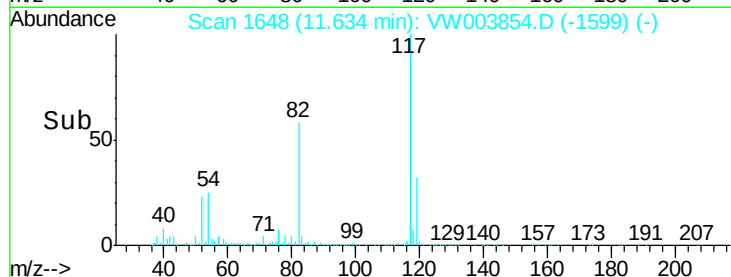
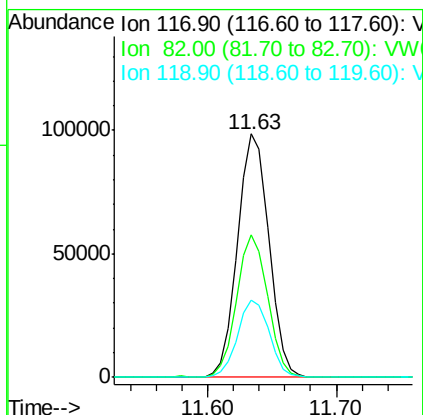
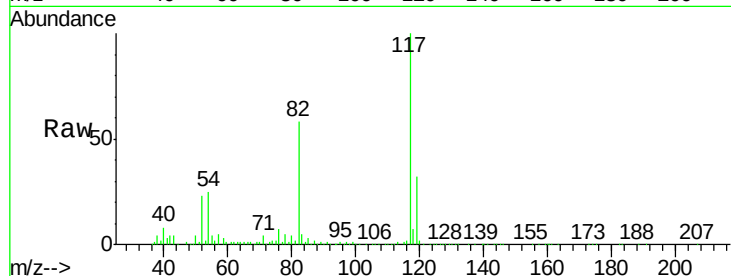




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

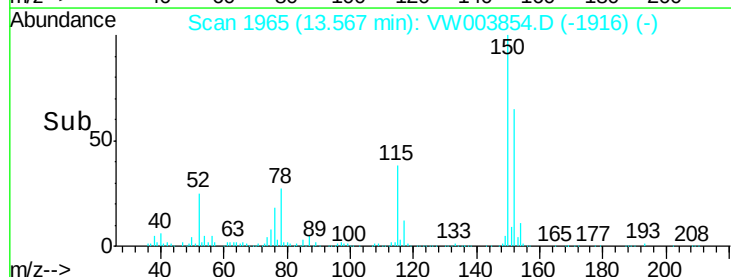
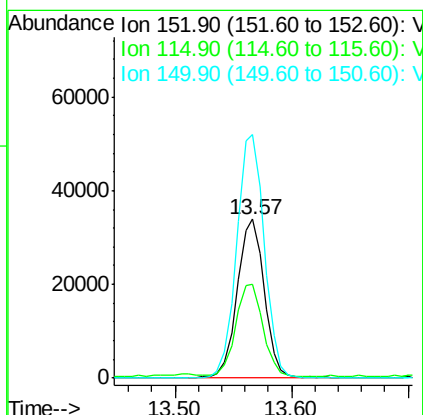
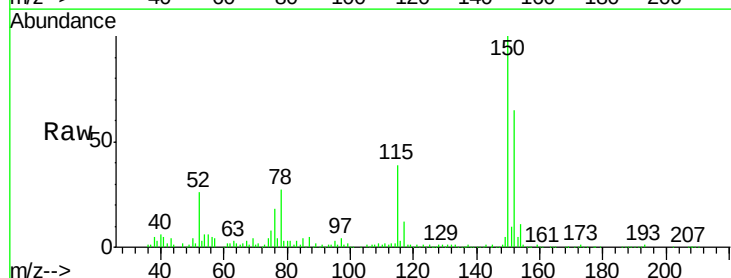
Instrument :
MSVOA_W
ClientSampled :
B1

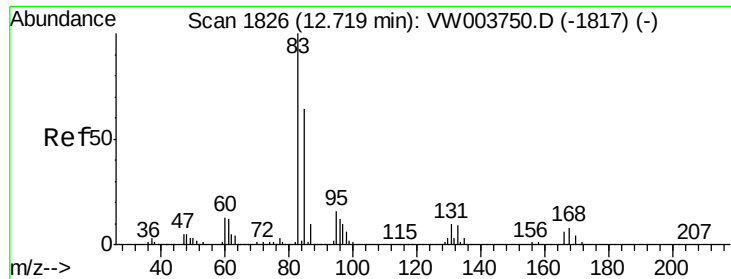
Tot Ion:117 Resp: 166031
Ion Ratio Lower Upper
117 100
82 58.1 46.9 70.3
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

Tgt Ion:152 Resp: 54874
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.8
150 156.6 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 1.004 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW003854.D

Acq: 11 Jul 2018 05:30

Instrument :

MSVOA_W

ClientSampled :

B1

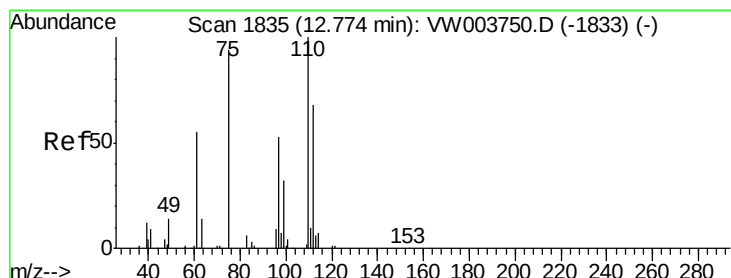
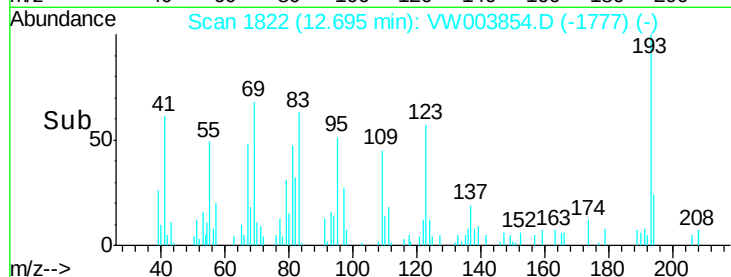
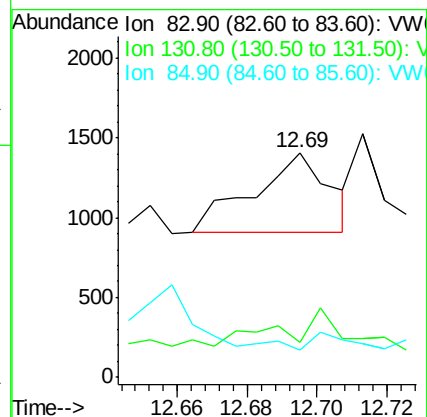
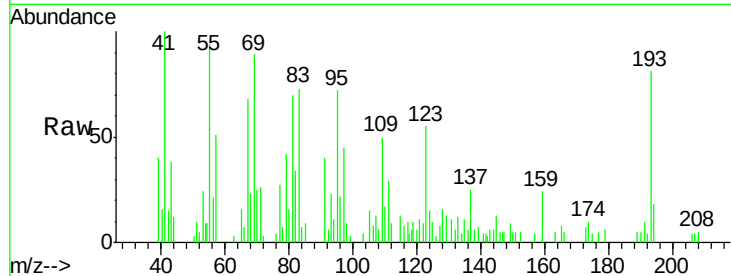
Tot Ion: 83 Resp: 756

Ion Ratio Lower Upper

83 100

131 52.5 5.1 15.4#

85 10.7 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 36.385 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003854.D

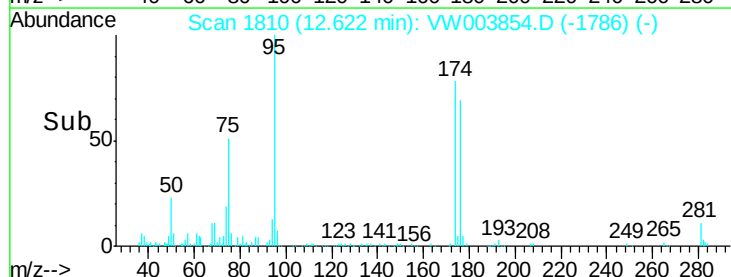
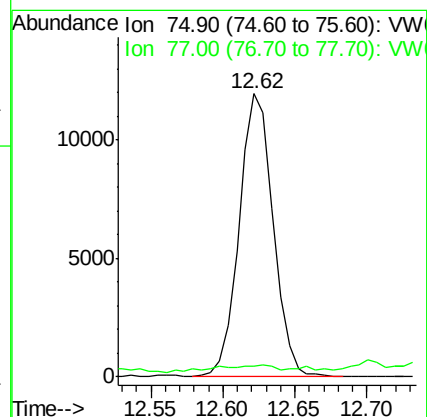
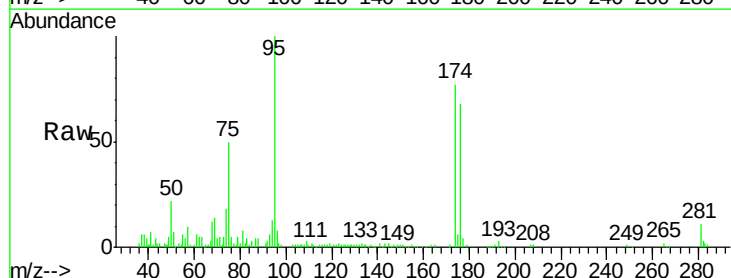
Acq: 11 Jul 2018 05:30

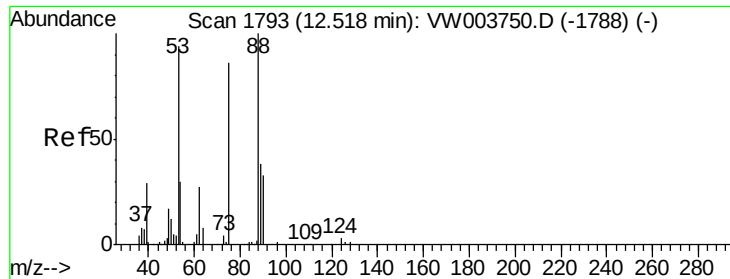
Tgt Ion: 75 Resp: 19606

Ion Ratio Lower Upper

75 100

77 5.3 0.0 0.0#

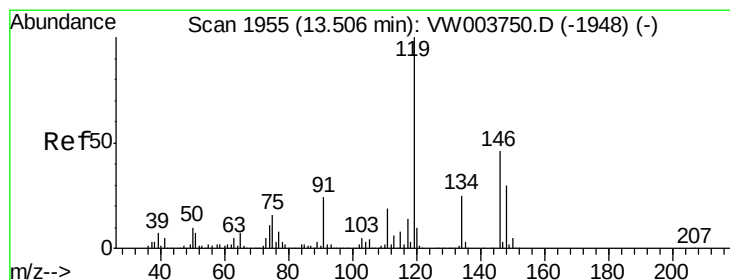
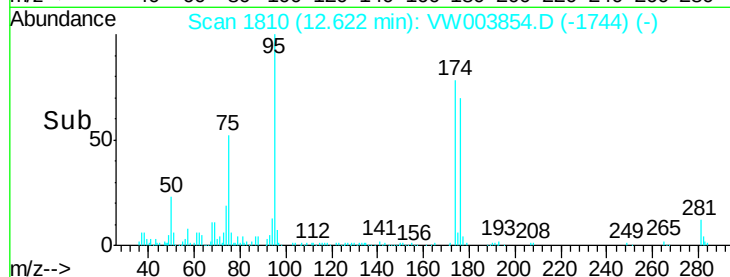
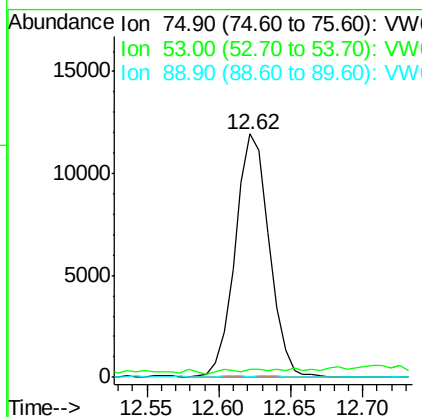
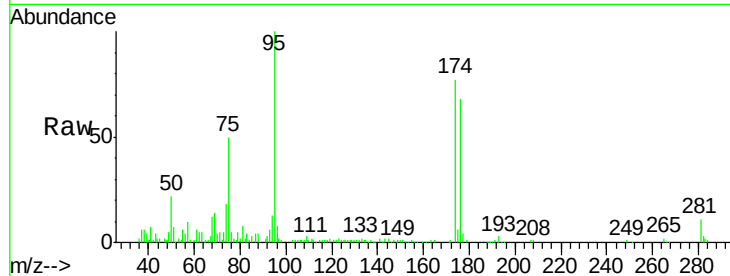




#81
trans-1,4-Dichloro-2-butene
Concen: 89.006 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

Instrument :
MSVOA_W
ClientSampled :
B1

Tot Ion: 75 Resp: 19606
Ion Ratio Lower Upper
75 100
53 0.9 85.0 127.6#
89 0.4 36.3 54.5#



#86
p-Isopropyltoluene
Concen: 1.382 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003854.D
Acq: 11 Jul 2018 05:30

Tgt Ion: 119 Resp: 4772
Ion Ratio Lower Upper
119 100
134 28.7 13.1 39.1
91 42.7 11.9 35.9#

