

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003931.D
 Acq On : 13 Jul 2018 22:21
 Operator : VA/AP
 Sample : J3542-05
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:55:26 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	180655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95607	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	131989	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
35) Dibromofluoromethane	7.88	113	109688	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.33	98	299113	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	
62) 4-Bromofluorobenzene	12.62	95	101844	33.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.14%	

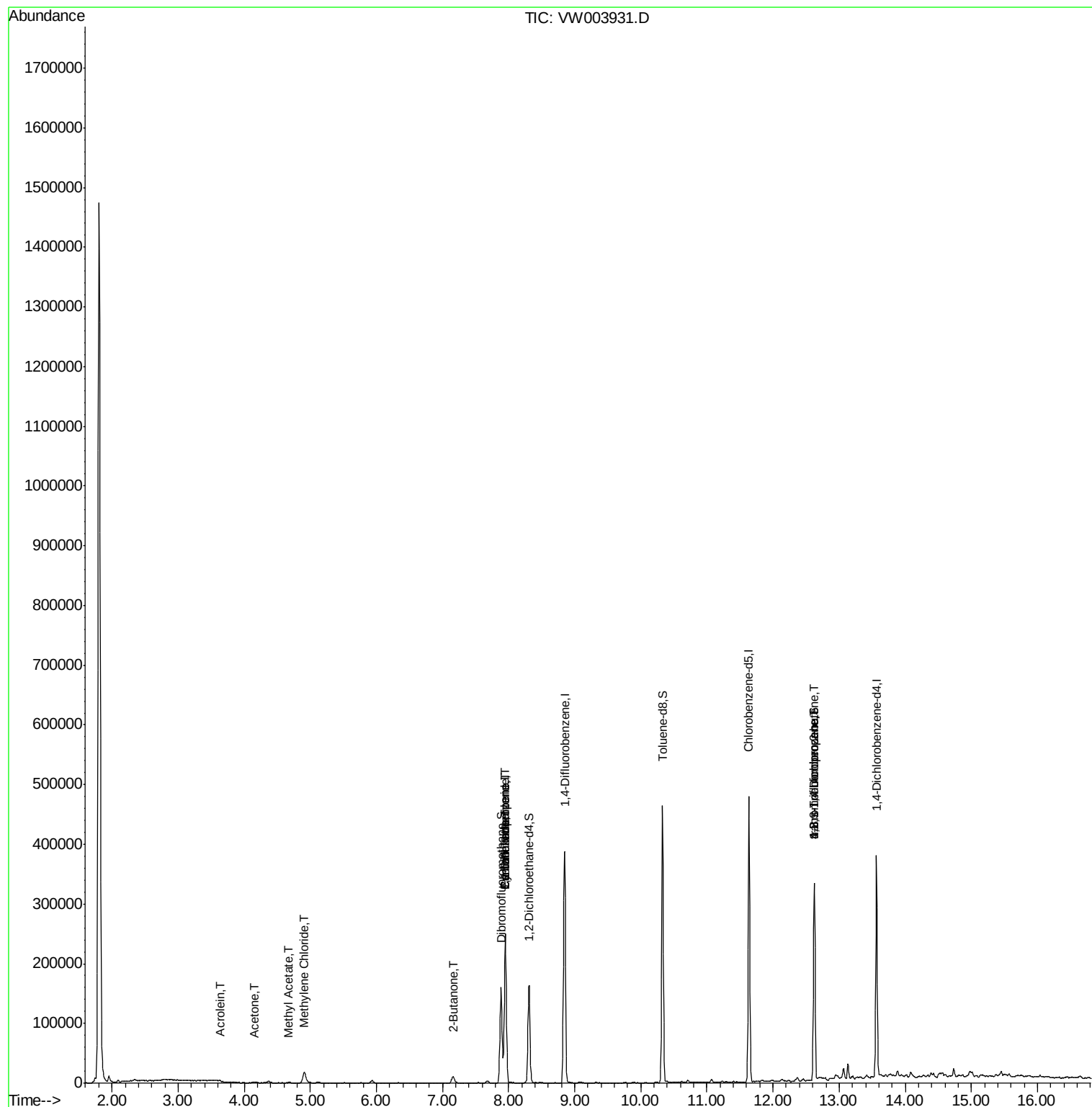
Target Compounds					Qvalue
13) Acrolein	3.64	56	60	5.019 ug/l #	14
16) Acetone	4.15	43	1483	3.618 ug/l #	82
18) Methyl Acetate	4.67	43	1294	1.120 ug/l #	77
20) Methylene Chloride	4.92	84	13608	2.661 ug/l	96
25) 2-Butanone	7.17	43	765	1.192 ug/l #	51
31) Cyclohexane	7.95	56	4678	1.357 ug/l #	8
36) 1,1-Dichloropropene	7.95	75	14999	4.513 ug/l #	50
38) Carbon Tetrachloride	7.95	117	18465	5.844 ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	55142	58.734 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55142	143.677 ug/l #	8

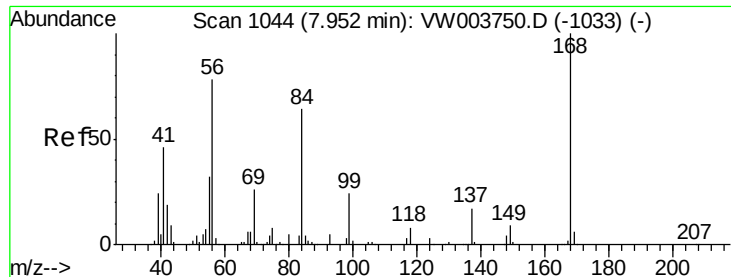
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

Instrument :

MSVOA_W

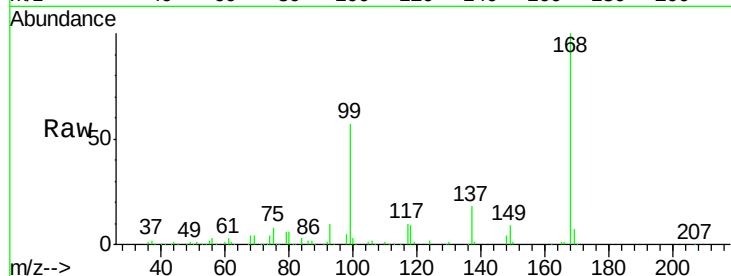
ClientSampleId :

Tot Ion:168 Resp: 180655

Ion Ratio Lower Upper

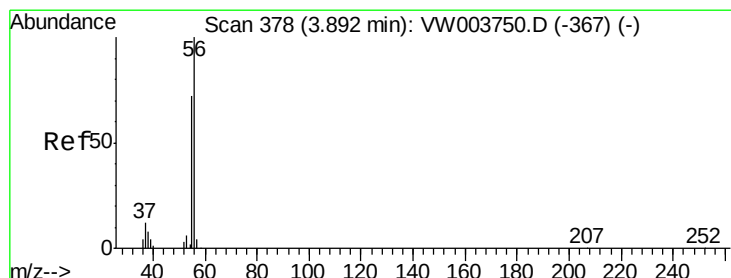
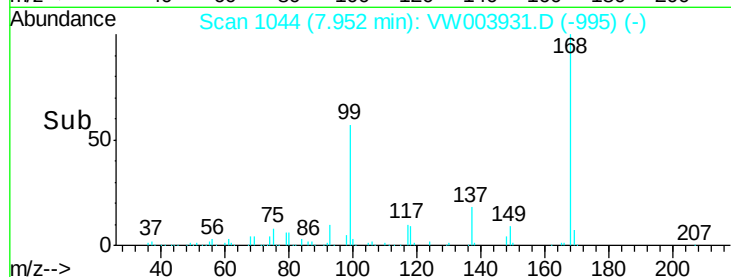
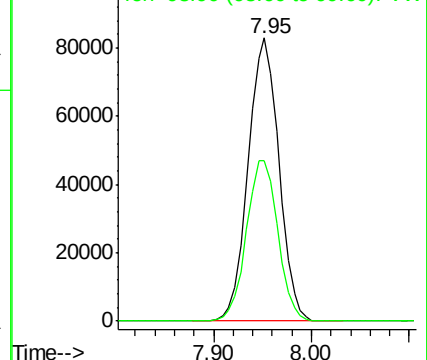
168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 5.019 ug/l

RT: 3.64 min Scan# 337

Delta R.T. -0.25 min

Lab File: VW003931.D

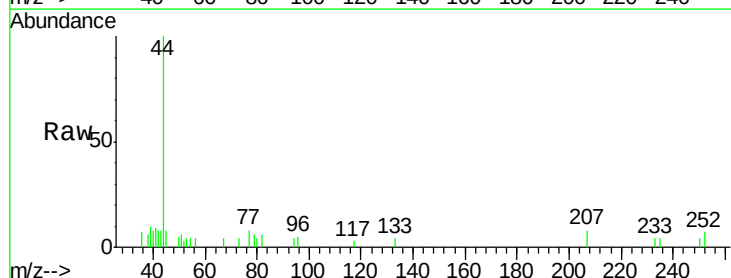
Acq: 13 Jul 2018 22:21

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

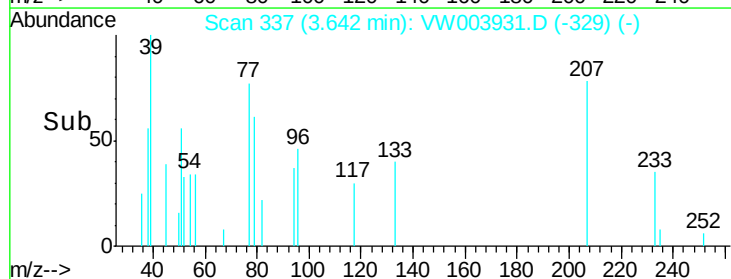
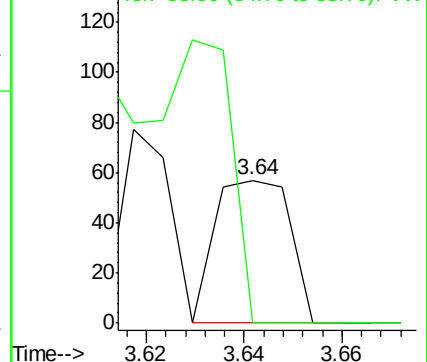
56 100

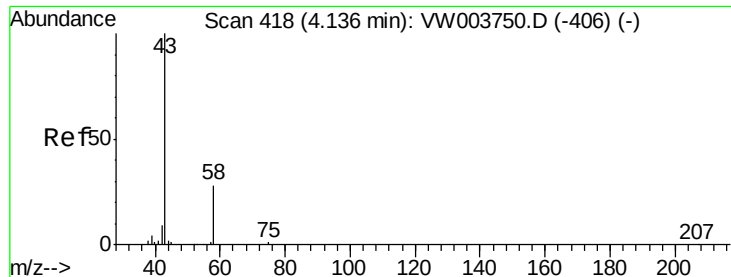
55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 3.618 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

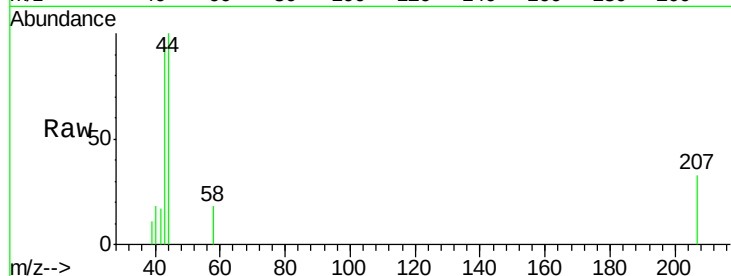
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1483

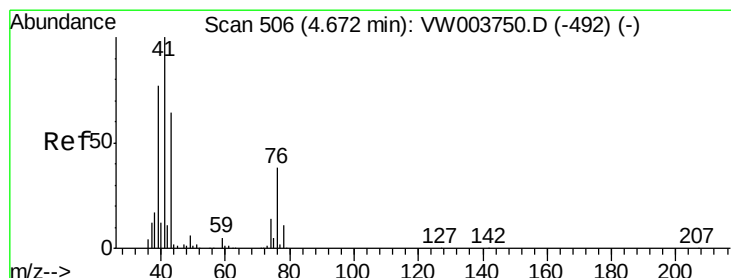
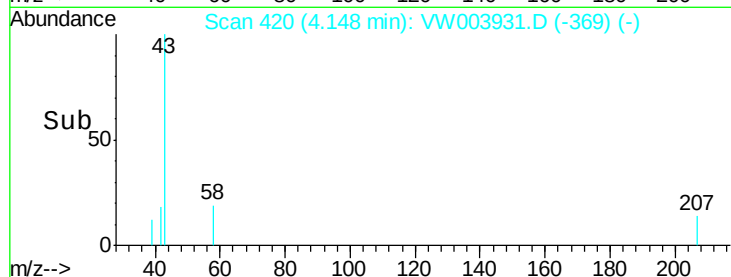
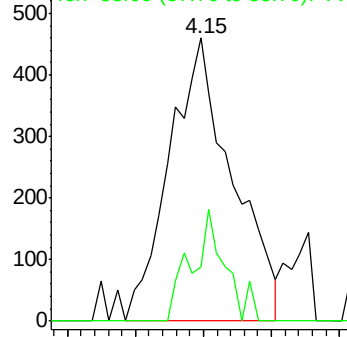
Ion Ratio Lower Upper

43 100

58 18.9 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.120 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003931.D

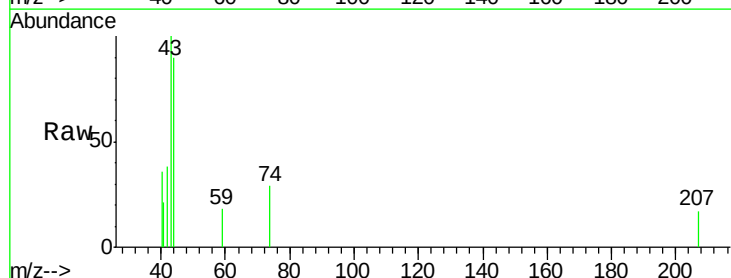
Acq: 13 Jul 2018 22:21

Tgt Ion: 43 Resp: 1294

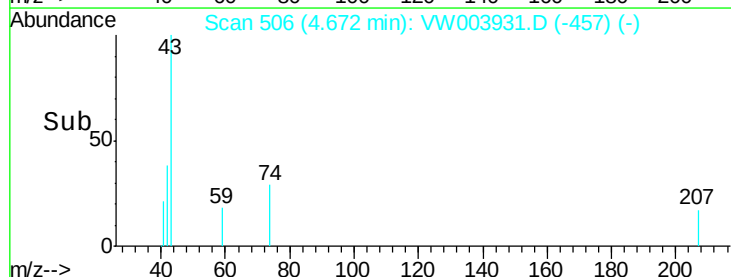
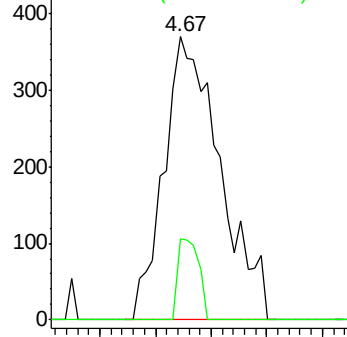
Ion Ratio Lower Upper

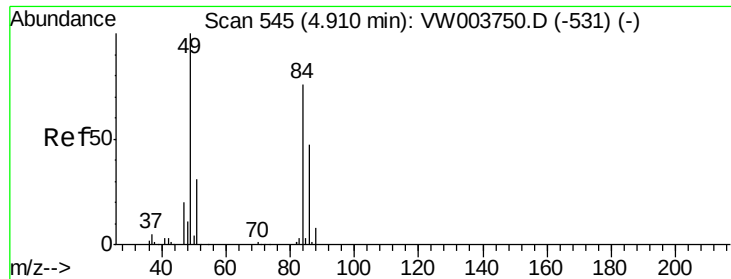
43 100

74 10.5 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

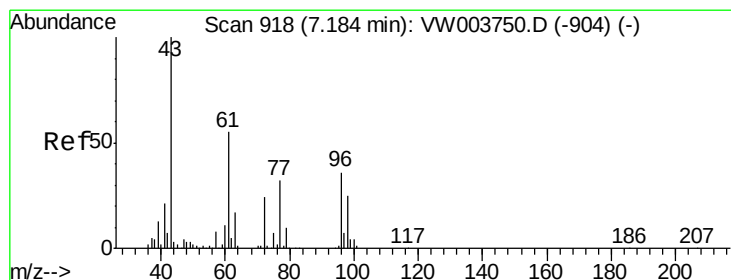
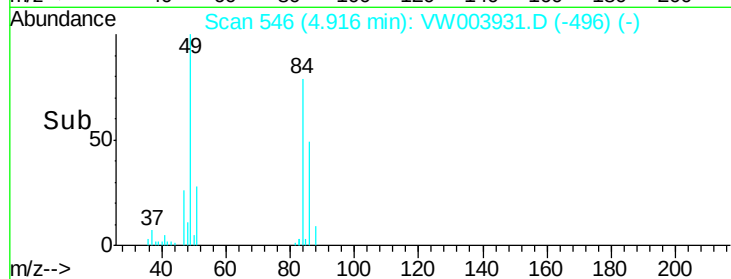
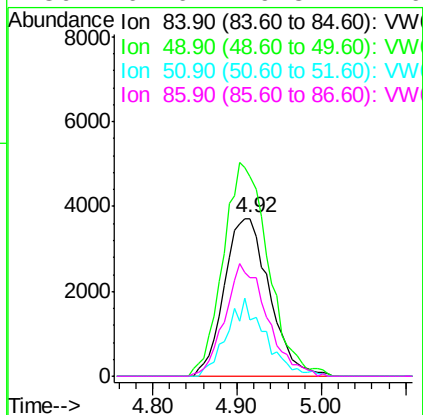
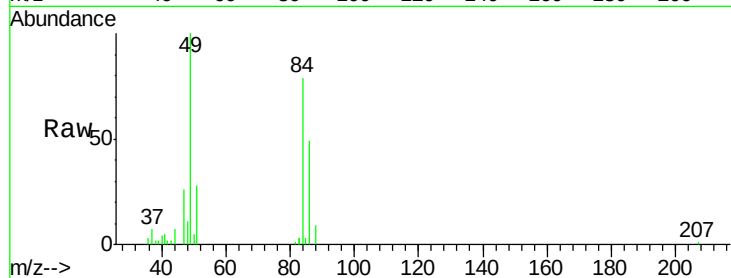




#20
Methylene Chloride
Concen: 2.661 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

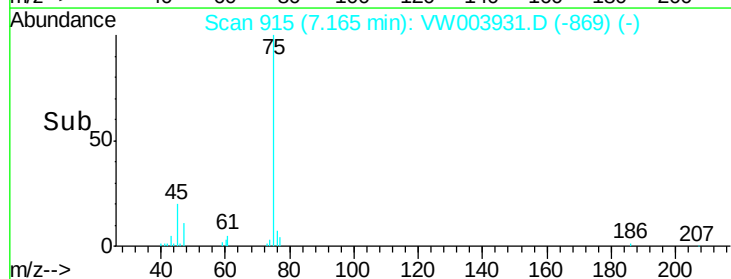
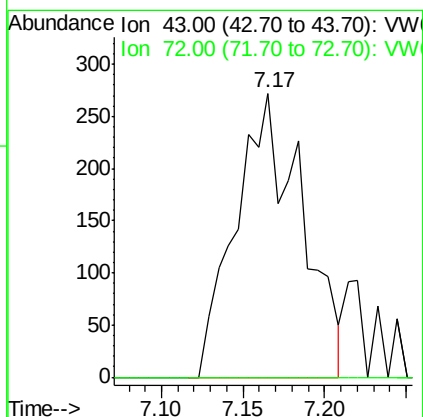
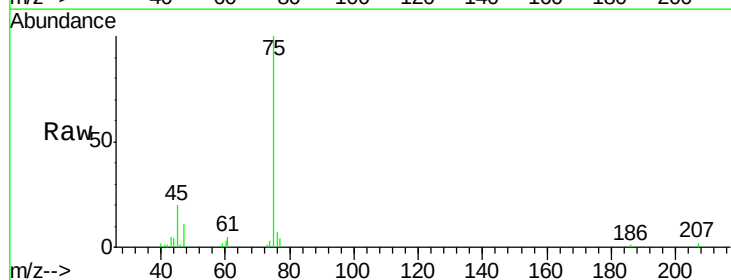
Instrument :
MSVOA_W
ClientSampleId :

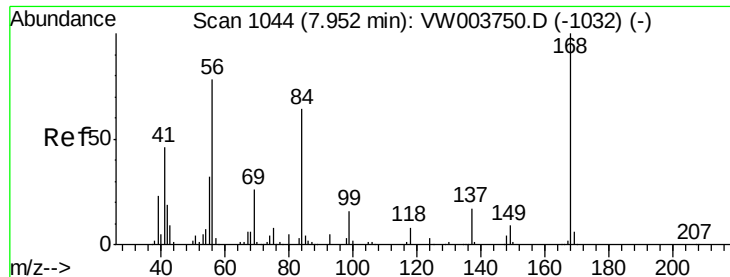
Tot Ion:	84	Resp:	13608
Ion	Ratio	Lower	Upper
84	100		
49	127.0	105.1	157.7
51	36.1	32.5	48.7
86	62.6	49.8	74.6



#25
2-Butanone
Concen: 1.192 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.02 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

Tgt Ion:	43	Resp:	765
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

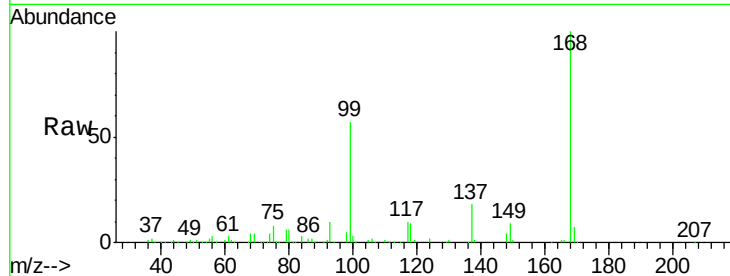




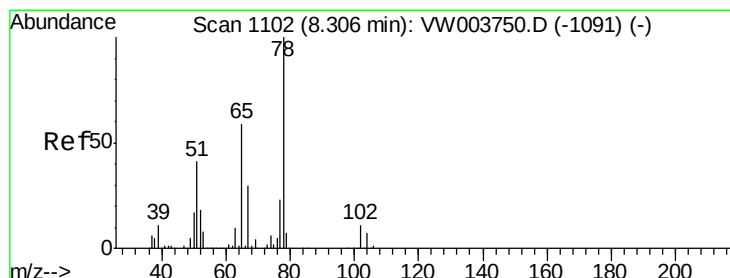
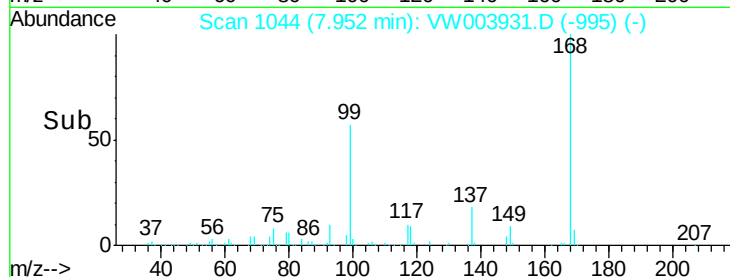
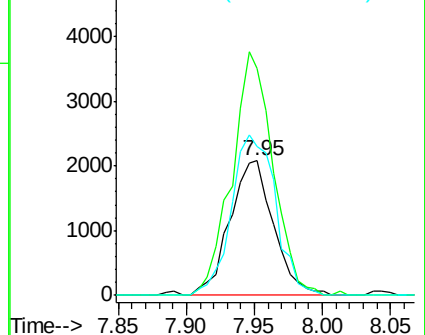
#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 4678
Ion Ratio Lower Upper
56 100
69 168.6 26.2 39.4#
84 111.2 65.5 98.3#

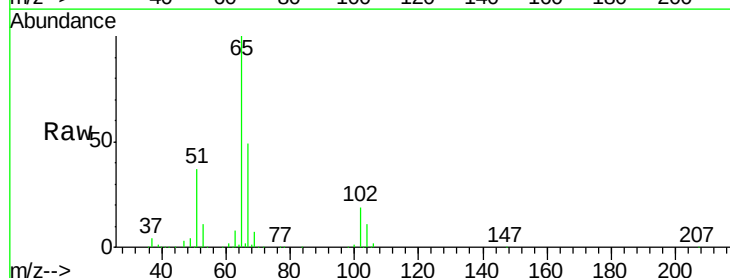


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

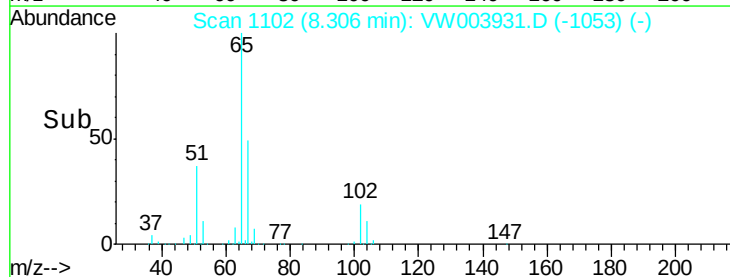
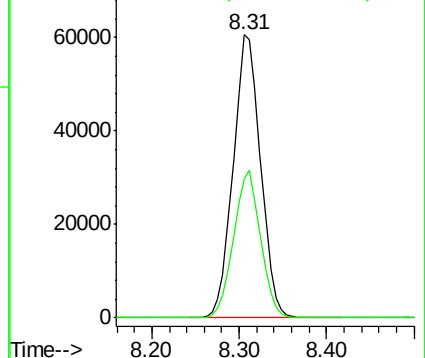


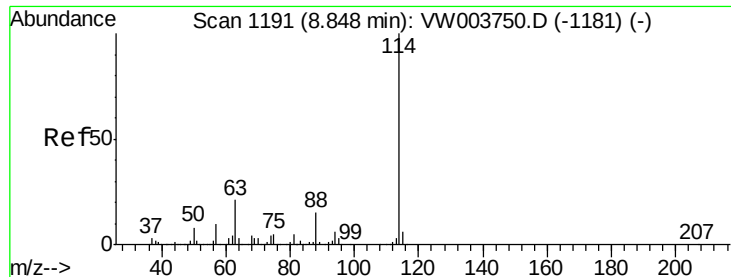
#33
1,2-Dichloroethane-d4
Concen: 55.869 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

Tgt Ion: 65 Resp: 131989
Ion Ratio Lower Upper
65 100
67 51.1 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: VW003931.D

Acq: 13 Jul 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

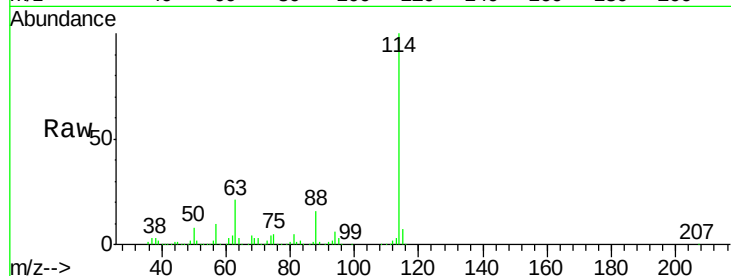
Tot Ion:114 Resp: 313220

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

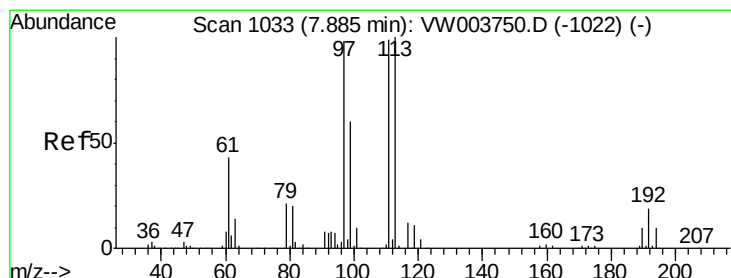
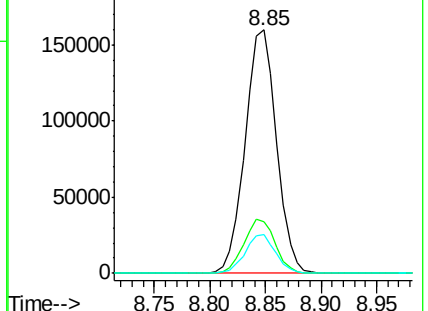
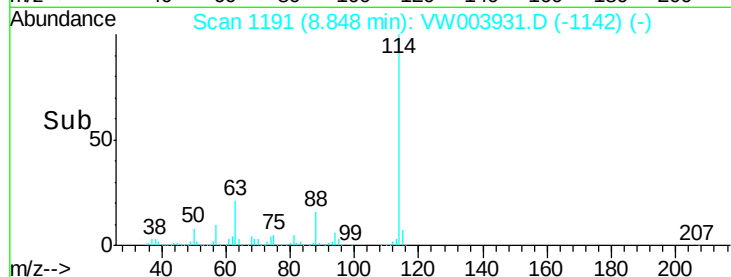
88 15.9 0.0 30.2



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: 50.036 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

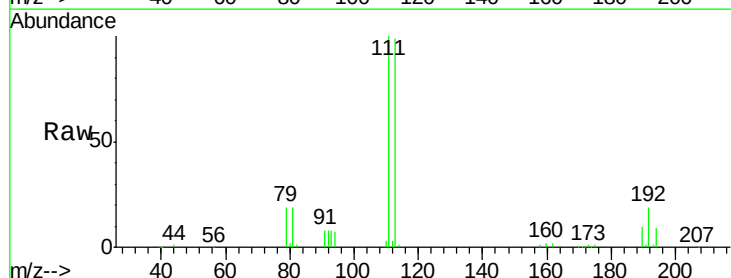
Tgt Ion:113 Resp: 109688

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

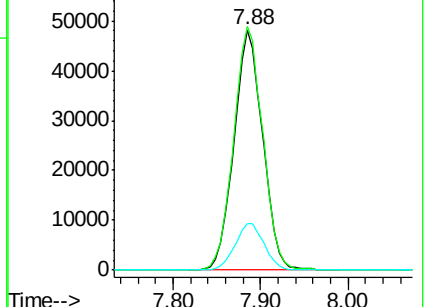
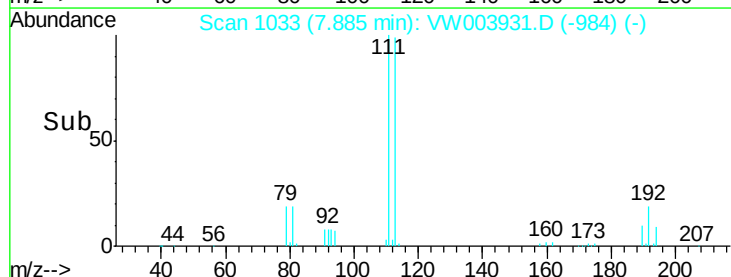
192 19.6 15.8 23.8

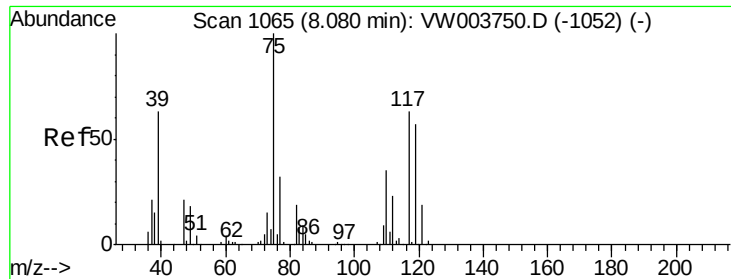


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

Instrument :
MSVOA_W
ClientSampled :

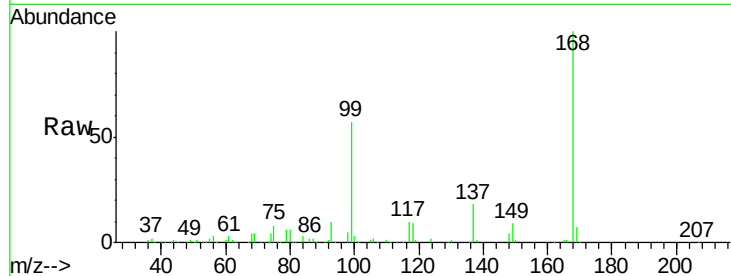
Tot Ion: 75 Resp: 14999

Ion Ratio Lower Upper

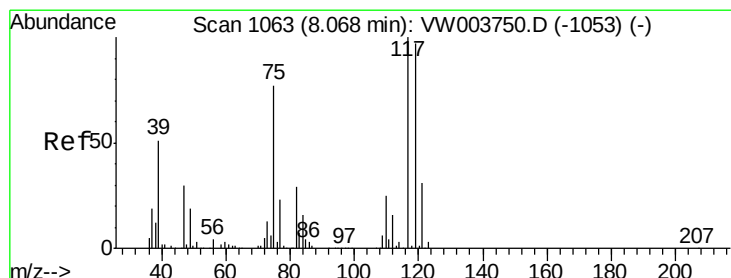
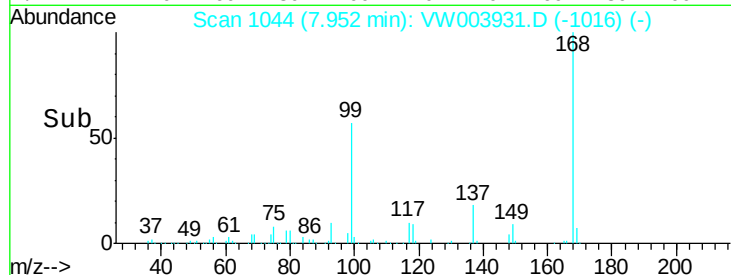
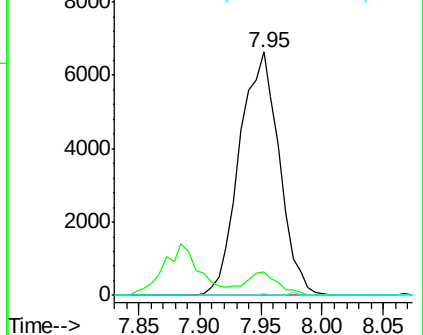
75 100

110 8.4 16.9 50.6#

77 0.1 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

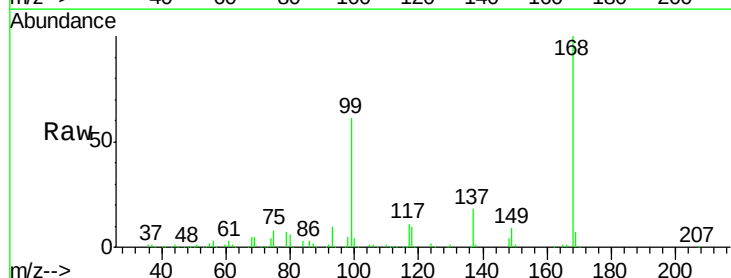
Tgt Ion: 117 Resp: 18465

Ion Ratio Lower Upper

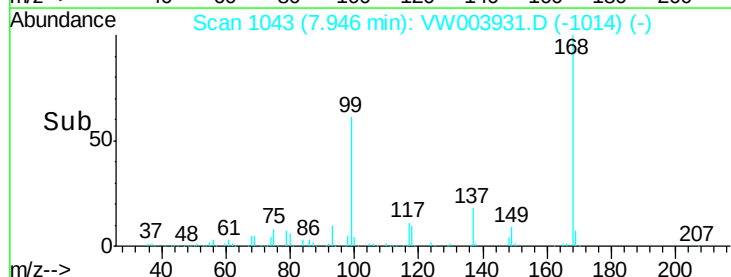
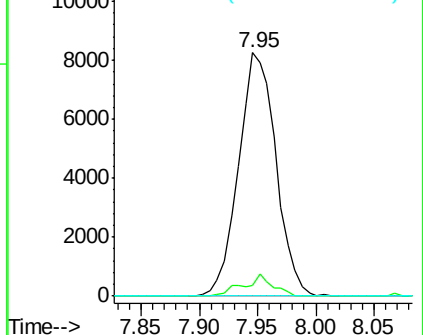
117 100

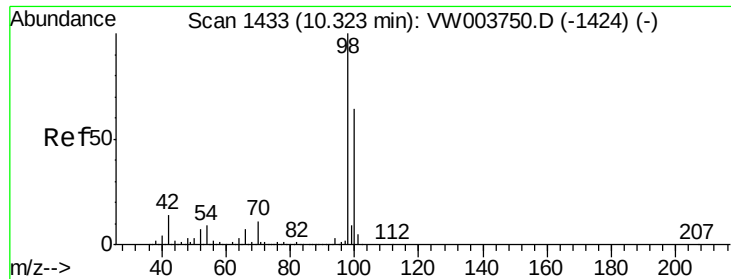
119 4.5 77.4 116.2#

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

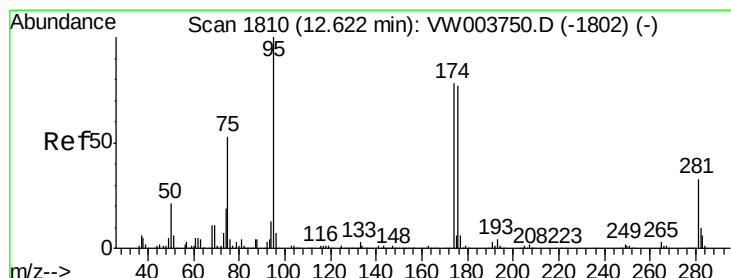
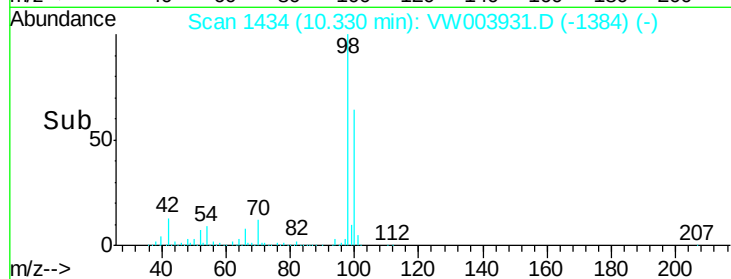
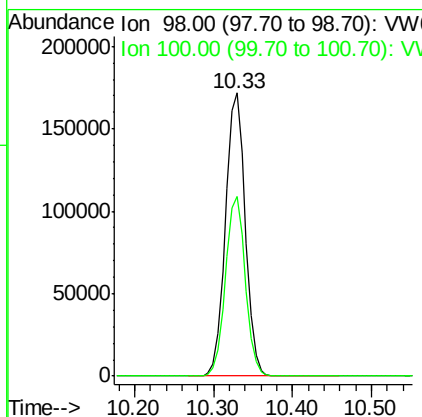
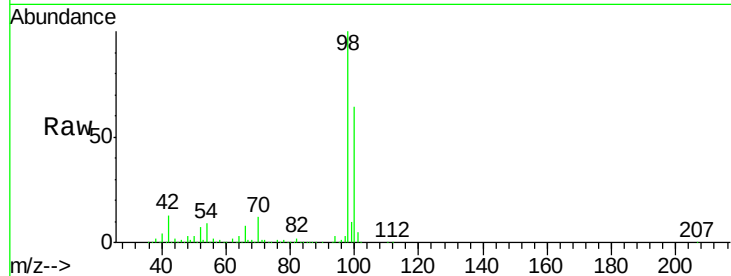




#50
Toluene-d8
Concen: 35.670 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

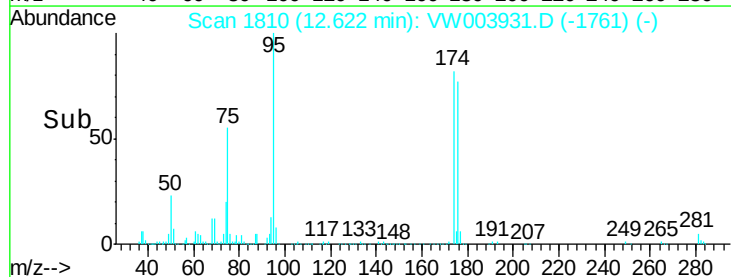
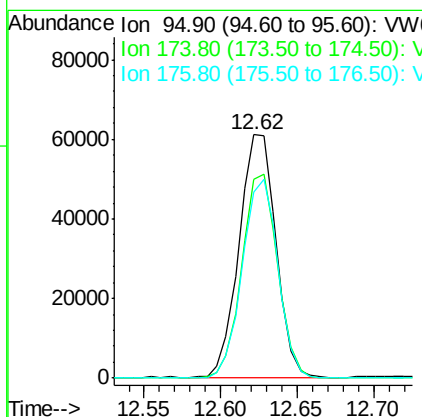
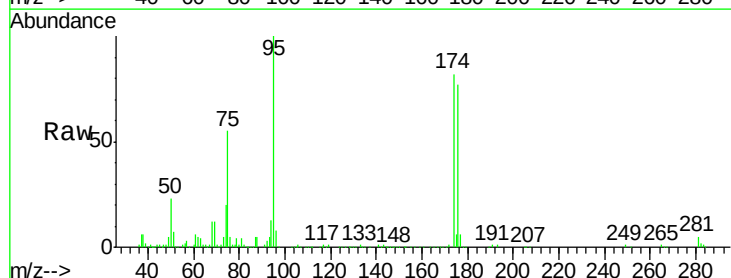
Instrument :
MSVOA_W
ClientSampleId :

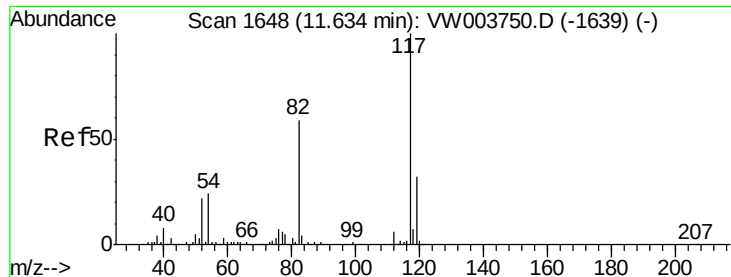
Tot Ion: 98 Resp: 299113
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 33.567 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

Tgt Ion: 95 Resp: 101844
Ion Ratio Lower Upper
95 100
174 82.0 0.0 163.4
176 79.6 0.0 156.8

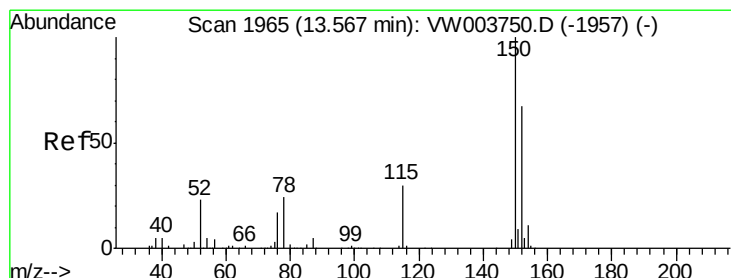
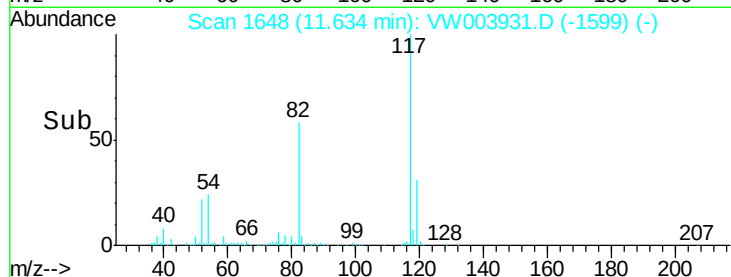
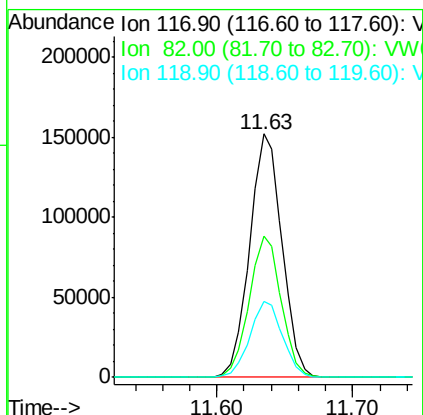
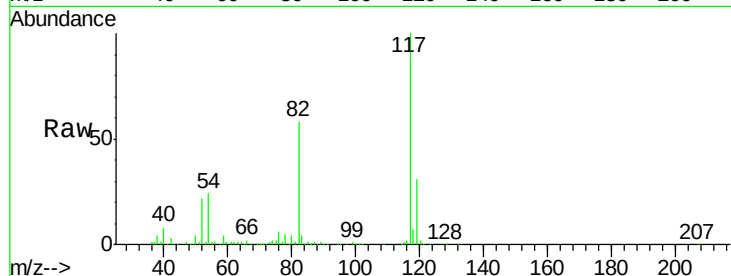




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

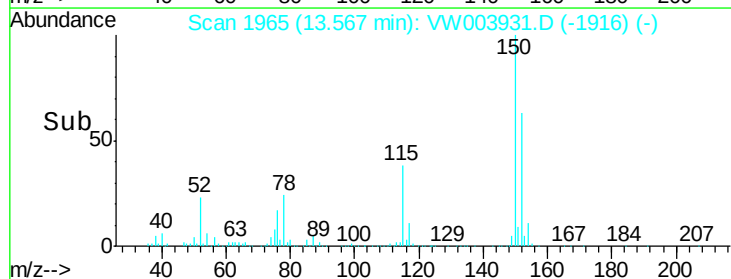
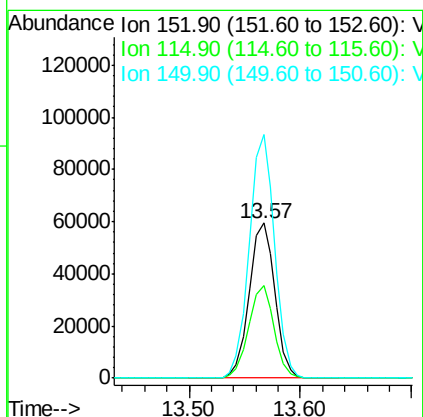
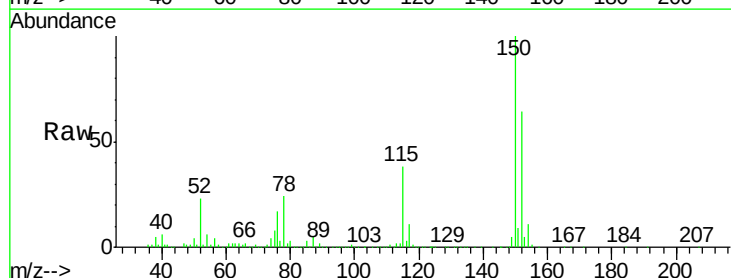
Instrument :
MSVOA_W
ClientSampleId :

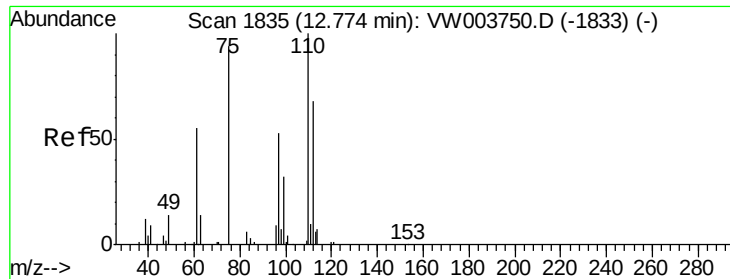
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.9	70.3
119	30.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003931.D
Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	154.4	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 58.734 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

Instrument :

MSVOA_W

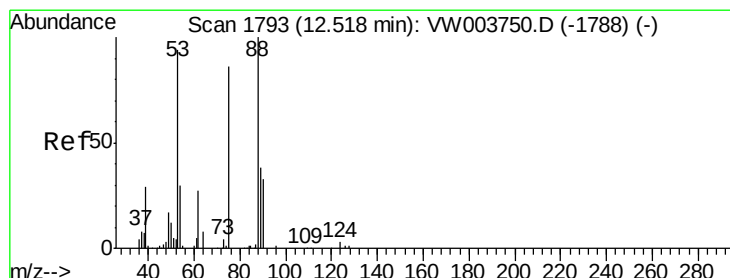
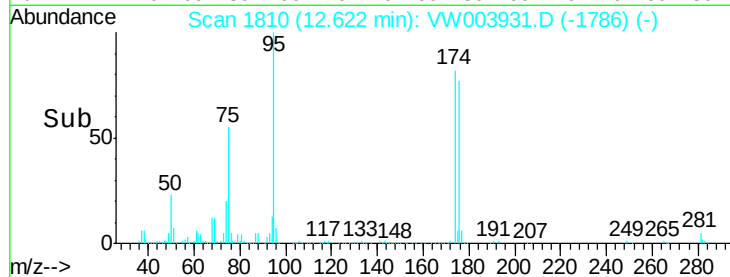
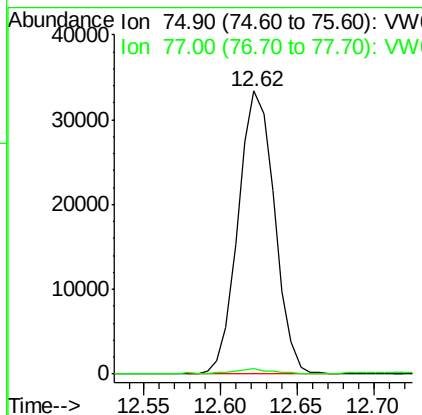
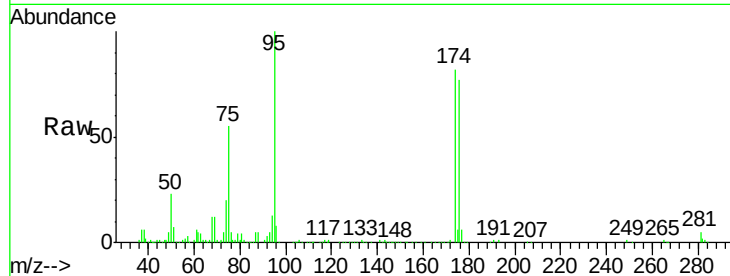
ClientSampleId :

Tot Ion: 75 Resp: 55142

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.677 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003931.D

Acq: 13 Jul 2018 22:21

Tgt Ion: 75 Resp: 55142

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.6#

89 0.0 36.3 54.5#

