

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003722.D
 Acq On : 05 Jul 2018 15:42
 Operator : SY/AP
 Sample : J3818-01
 Misc : 5.16G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:35:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	79489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	24238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	32231	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.89	113	27551	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.33	98	76887	37.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.56%	
62) 4-Bromofluorobenzene	12.62	95	21415	29.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.58%	

Target Compounds

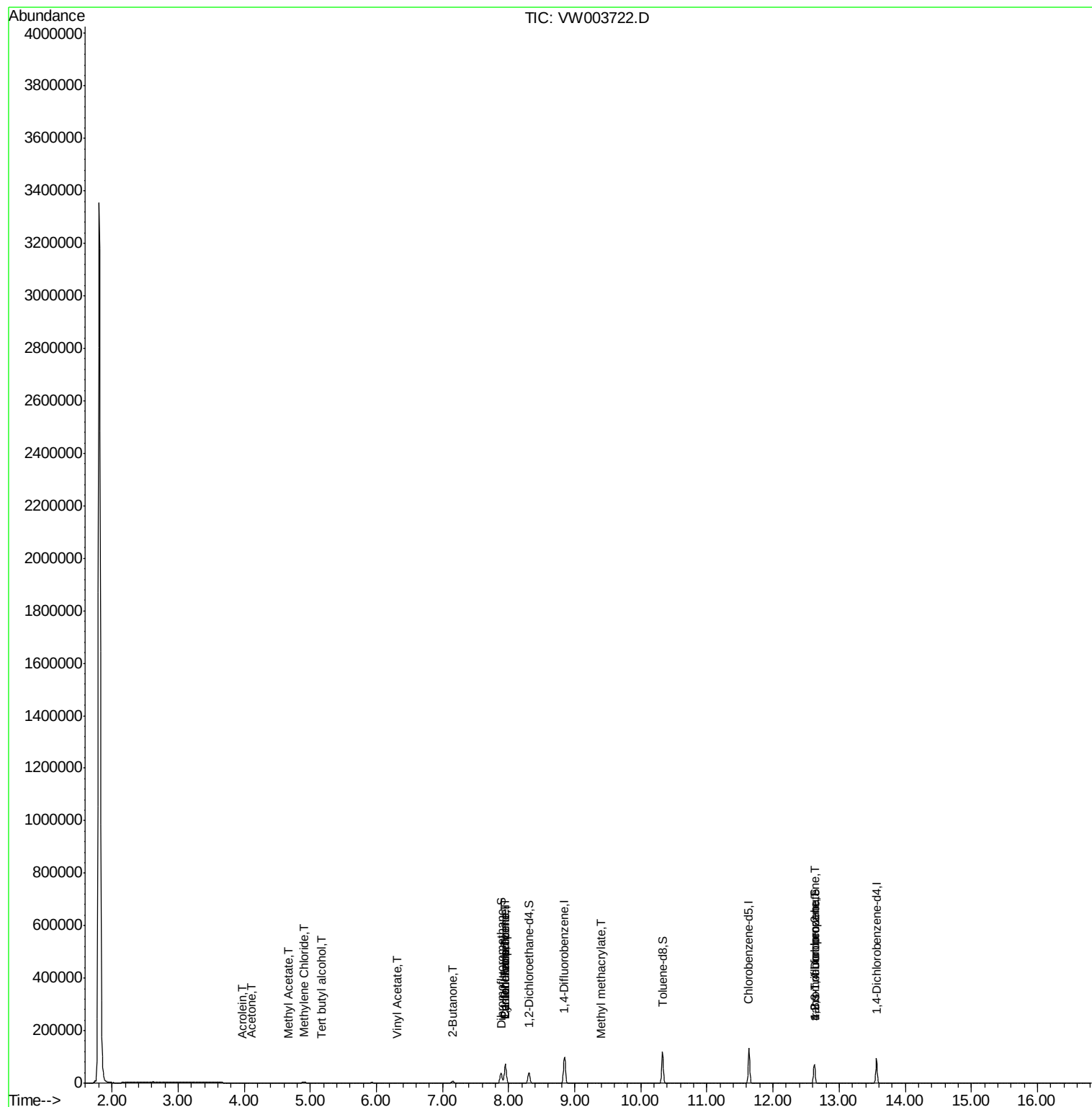
						Qvalue
11) Tert butyl alcohol	5.17	59	50	1.314	ug/l #	71
13) Acrolein	3.96	56	19	1.029	ug/l #	16
16) Acetone	4.12	43	632	4.354	ug/l #	77
18) Methyl Acetate	4.67	43	262	1.546	ug/l #	53
20) Methylene Chloride	4.90	84	3386	2.950	ug/l	86
23) Vinyl Acetate	6.31	43	23	13.882	ug/l #	74
25) 2-Butanone	7.14	43	474	2.551	ug/l #	50
31) Cyclohexane	7.95	56	1492	1.605	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4363	5.468	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5101	6.720	ug/l #	21
48) Methyl methacrylate	9.40	41	20	3.412	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	11814	54.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	11814	114.865	ug/l #	9

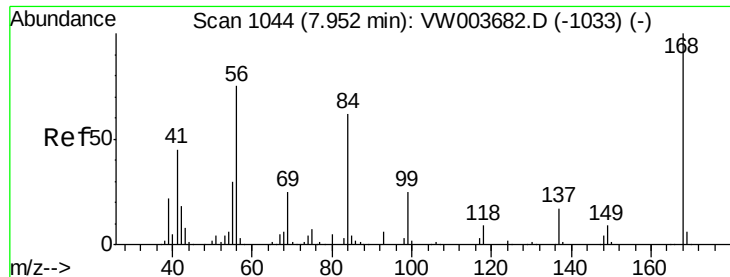
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003722.D

Acq: 05 Jul 2018 15:42

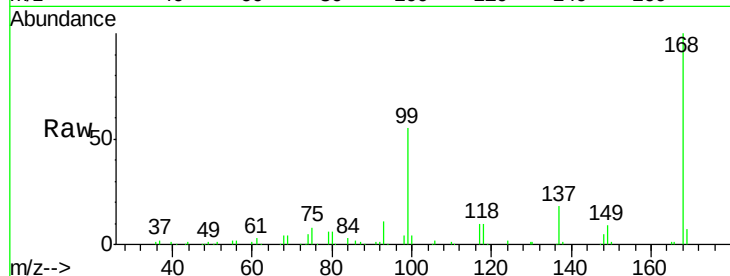
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 51000

Ion Ratio Lower Upper

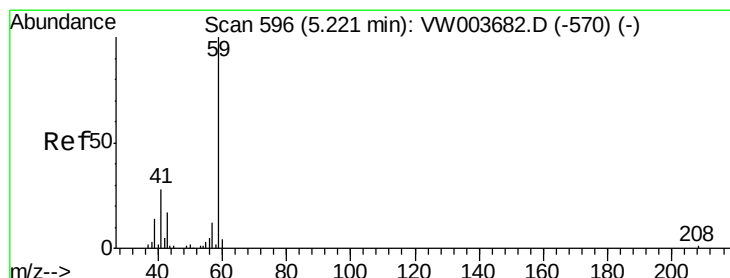
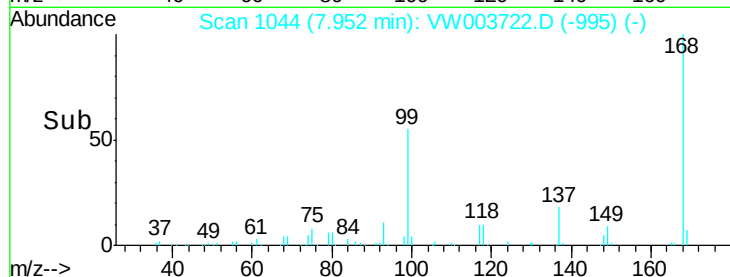
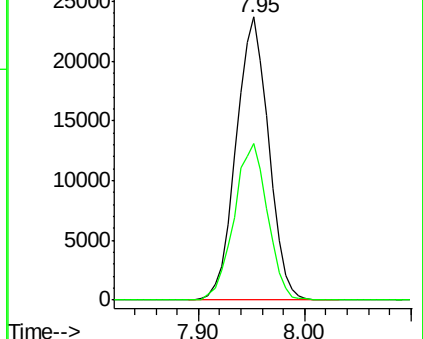
168 100

99 55.5 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.314 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.05 min

Lab File: VW003722.D

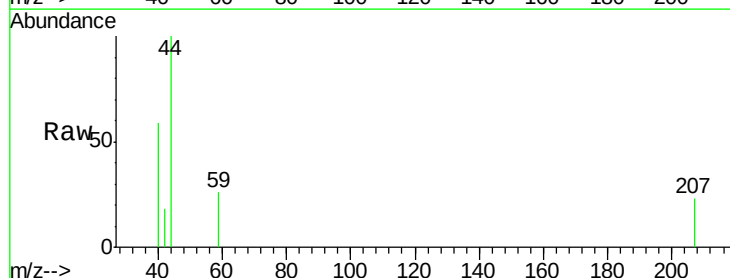
Acq: 05 Jul 2018 15:42

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

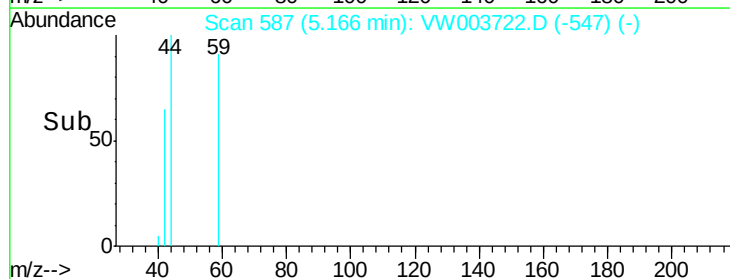
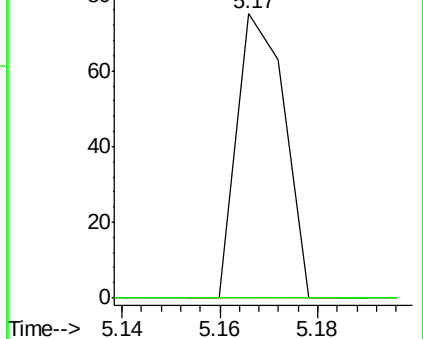
59 100

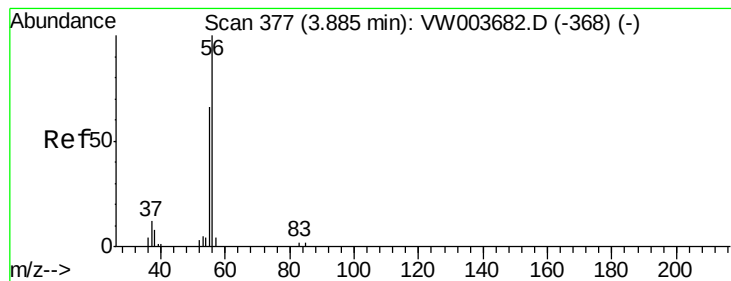
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.029 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.08 min

Lab File: VW003722.D

Acq: 05 Jul 2018 15:42

Instrument :

MSVOA_W

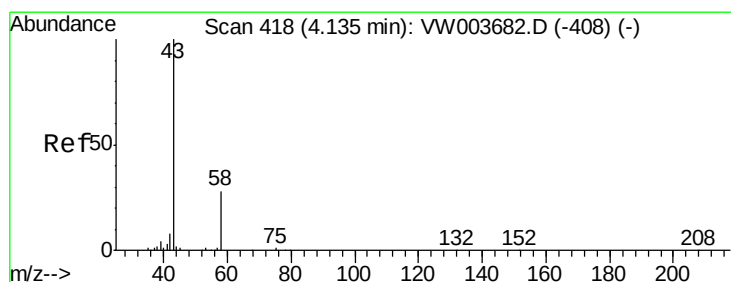
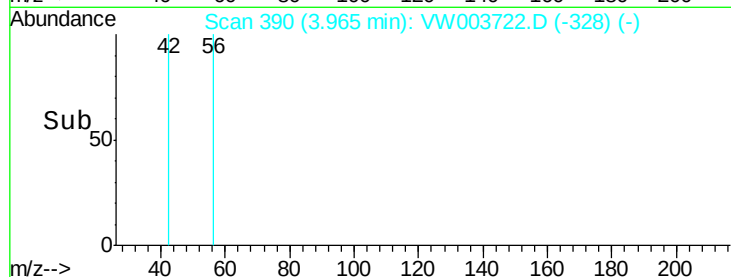
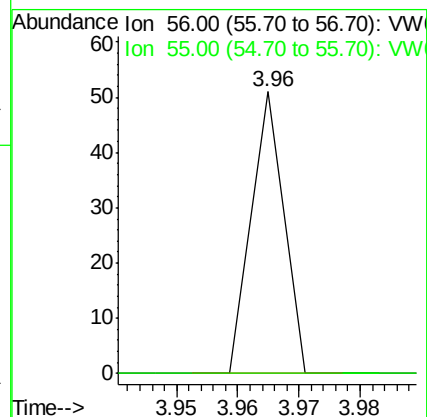
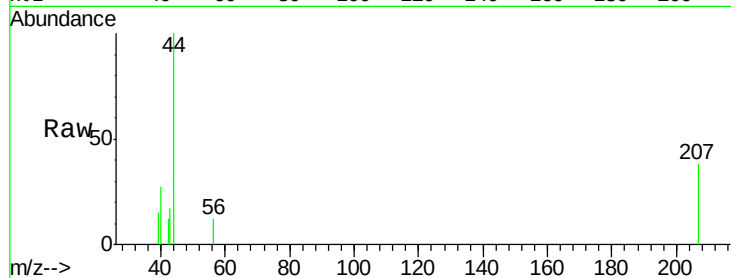
ClientSampleId :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 4.354 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003722.D

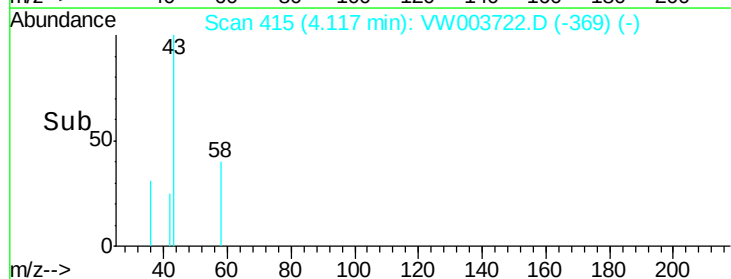
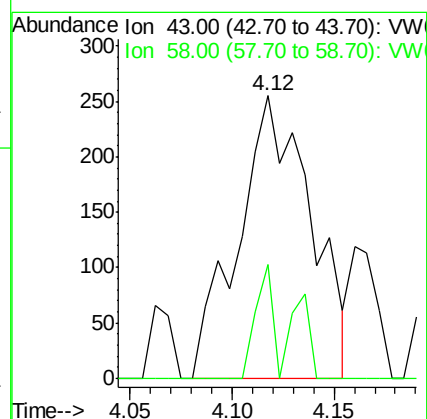
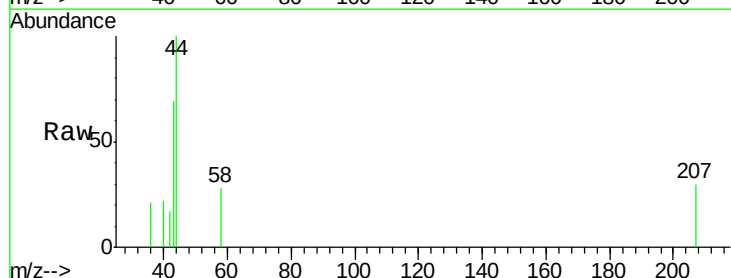
Acq: 05 Jul 2018 15:42

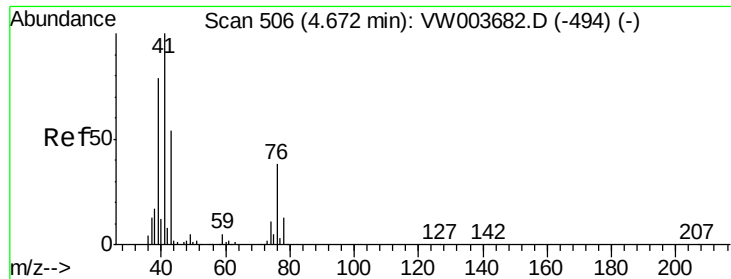
Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

58 40.4 22.7 34.1#

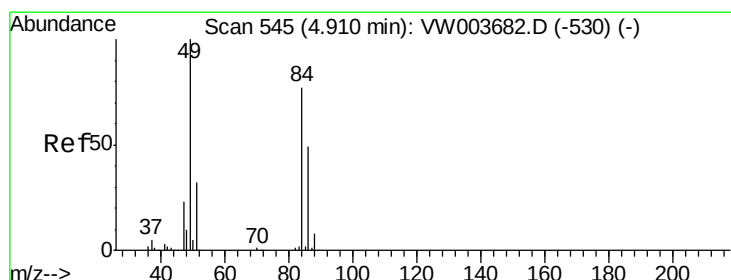
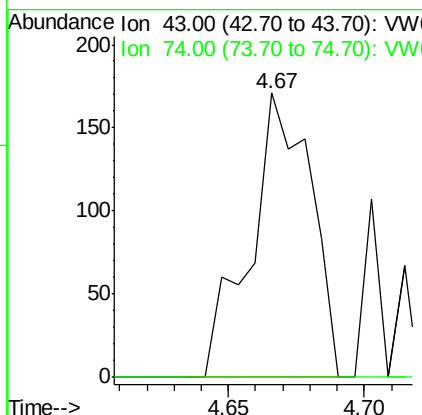
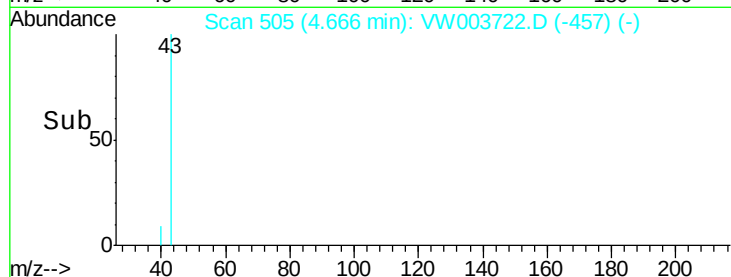
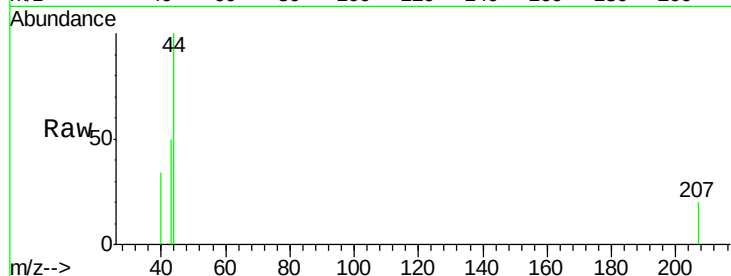




#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

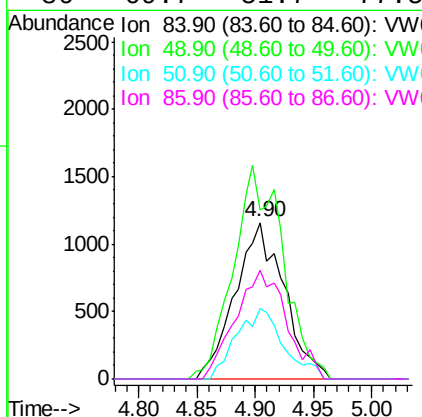
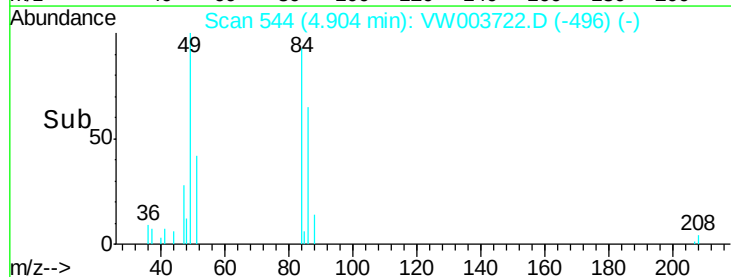
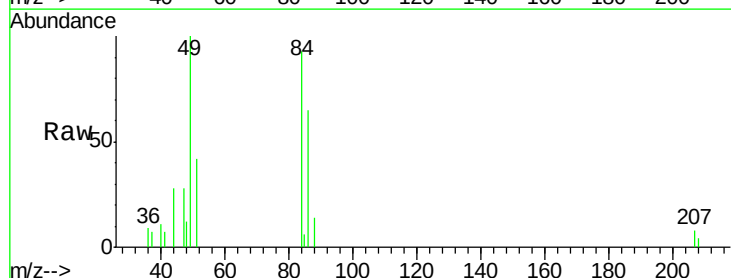
Instrument :
MSVOA_W
ClientSampleId :

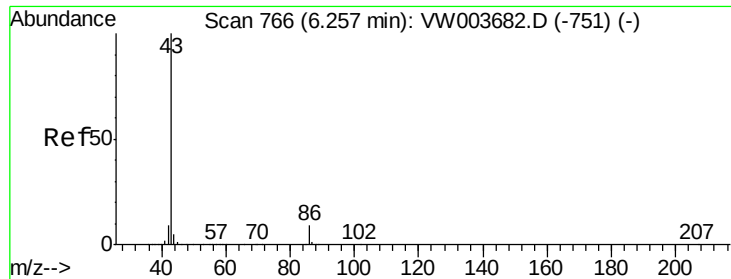
Tot Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 2.950 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

Tgt Ion: 84 Resp: 3386
Ion Ratio Lower Upper
84 100
49 107.8 104.6 156.8
51 45.1 33.2 49.8
86 69.7 51.7 77.5

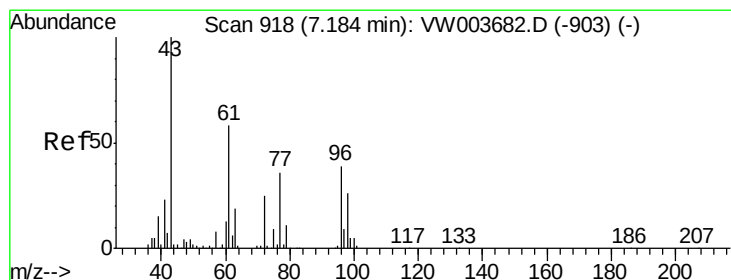
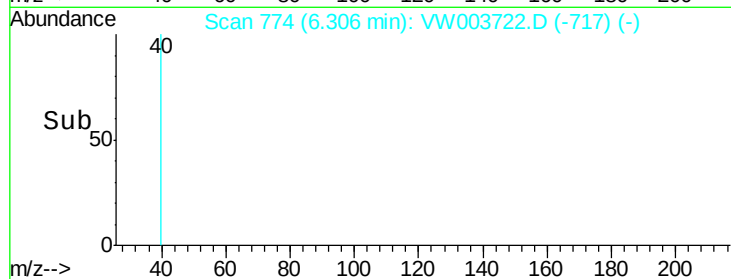
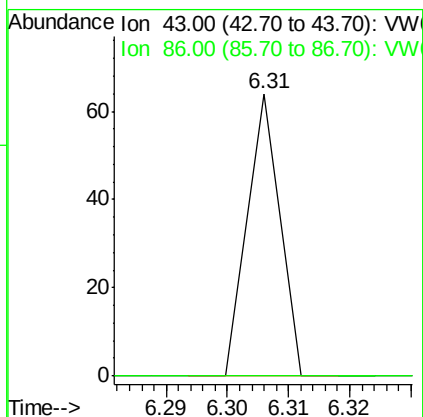
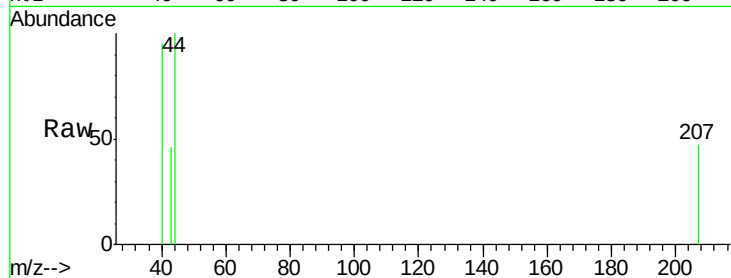




#23
 Vinyl Acetate
 Concen: 13.882 ug/l
 RT: 6.31 min Scan# 774
 Delta R.T. 0.05 min
 Lab File: VW003722.D
 Acq: 05 Jul 2018 15:42

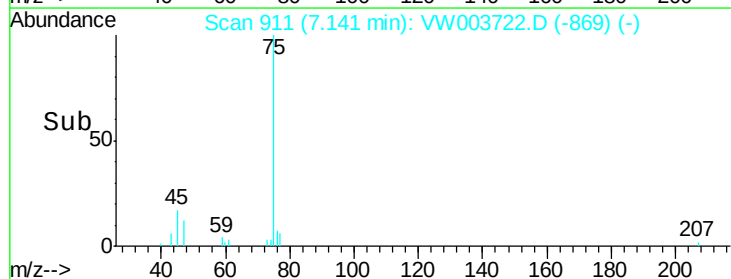
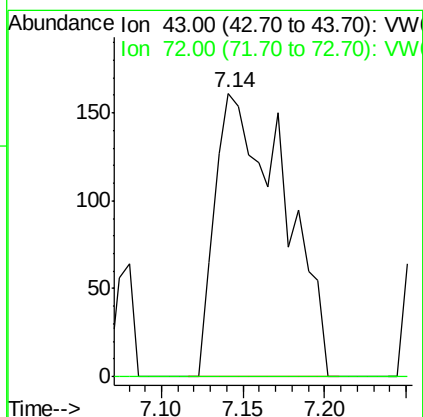
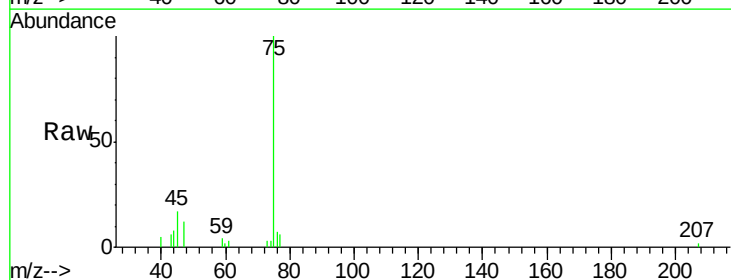
Instrument :
 MSVOA_W
 ClientSampleId :

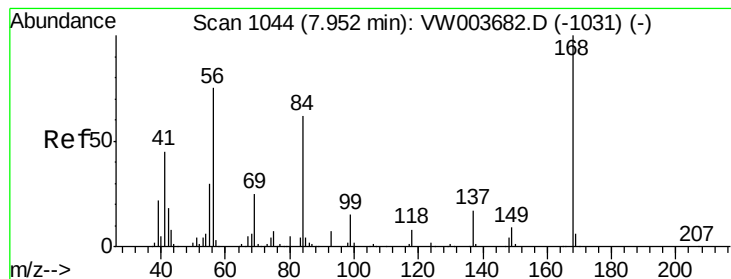
Tot Ion: 43 Resp: 23
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 2.551 ug/l
 RT: 7.14 min Scan# 911
 Delta R.T. -0.04 min
 Lab File: VW003722.D
 Acq: 05 Jul 2018 15:42

Tgt Ion: 43 Resp: 474
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.4#





#31

Cyclohexane

Concen: 1.605 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003722.D

Acq: 05 Jul 2018 15:42

Instrument :

MSVOA_W

ClientSampled :

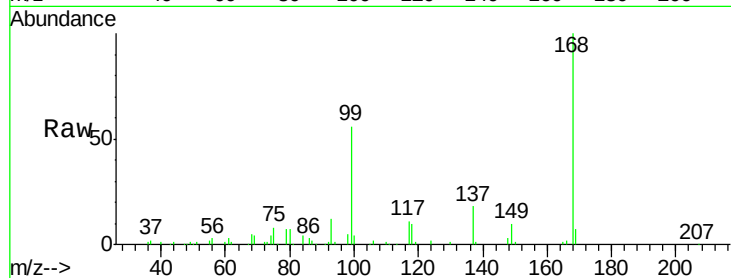
Tot Ion: 56 Resp: 1492

Ion Ratio Lower Upper

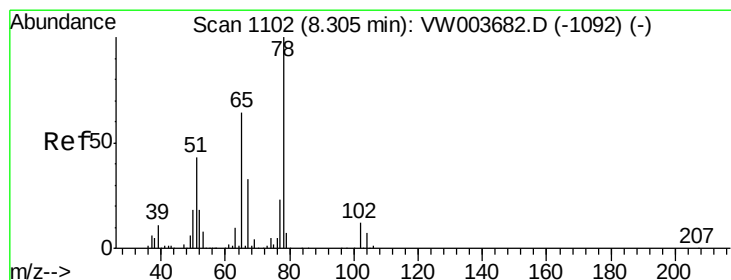
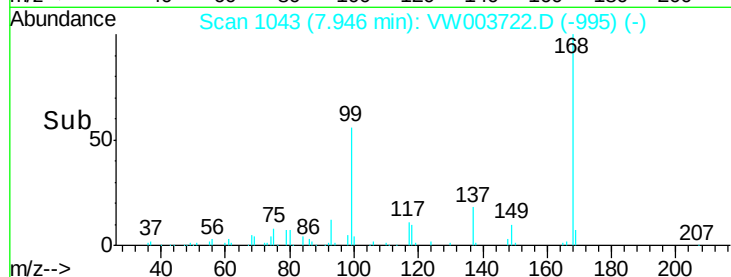
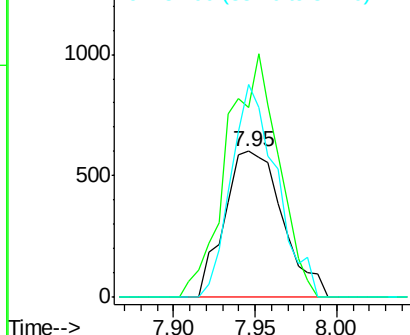
56 100

69 129.4 27.0 40.4#

84 145.3 65.4 98.0#



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: 53.009 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003722.D

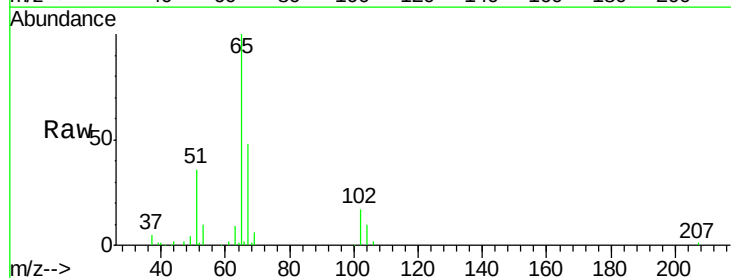
Acq: 05 Jul 2018 15:42

Tgt Ion: 65 Resp: 32231

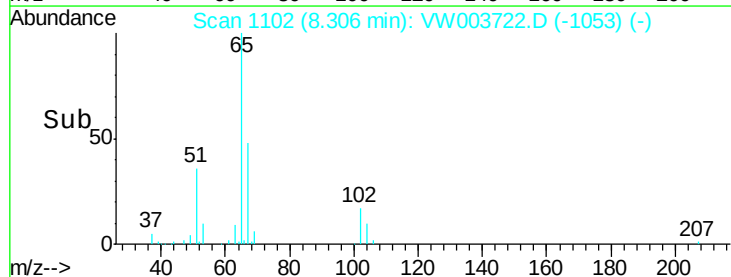
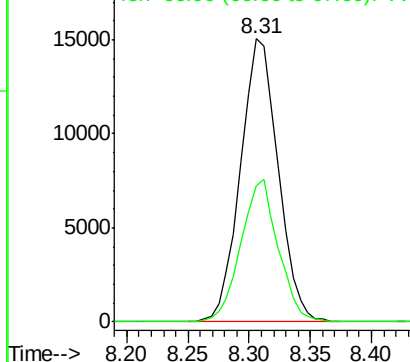
Ion Ratio Lower Upper

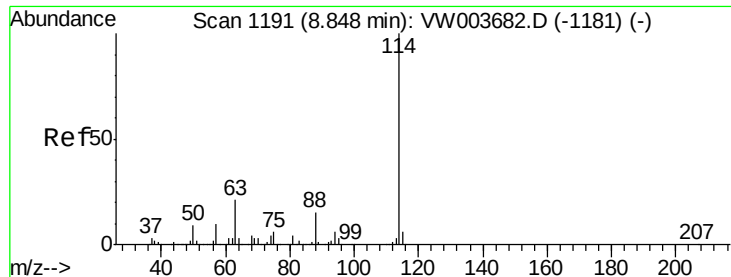
65 100

67 50.0 0.0 104.0



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: VW003722.D

Acq: 05 Jul 2018 15:42

Instrument :

MSVOA_W

ClientSampleId :

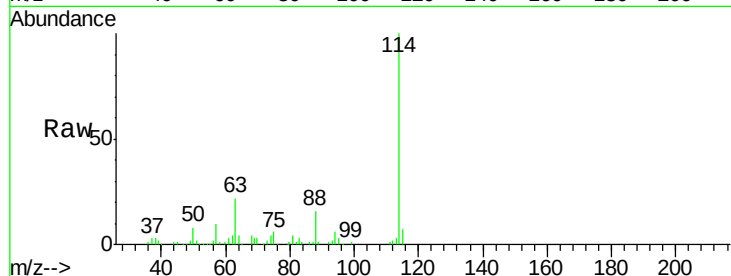
Tot Ion:114 Resp: 79489

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

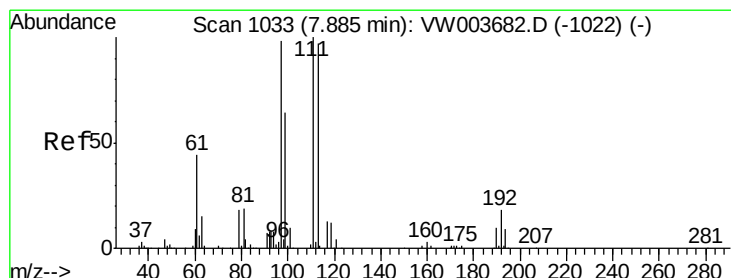
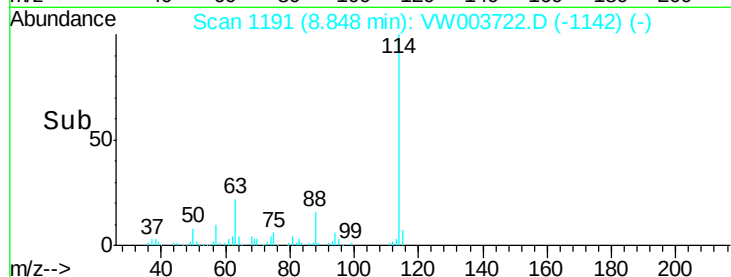
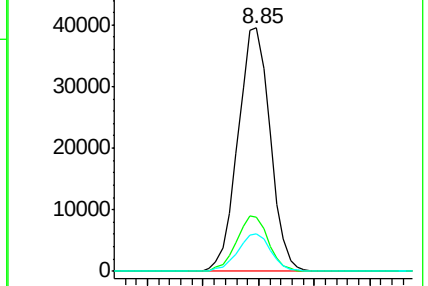
88 15.6 0.0 29.8



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: 53.143 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003722.D

Acq: 05 Jul 2018 15:42

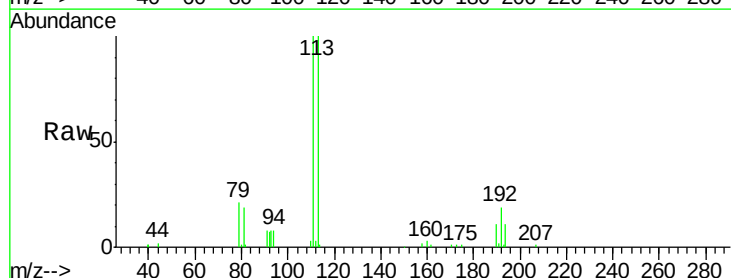
Tgt Ion:113 Resp: 27551

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

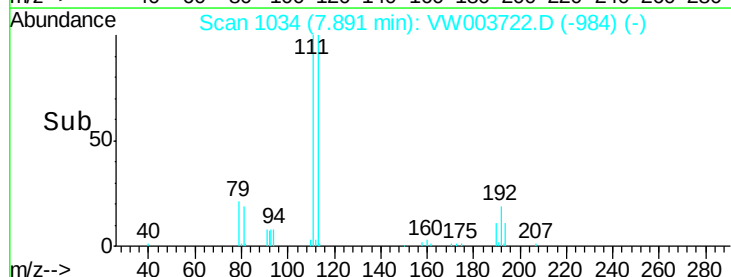
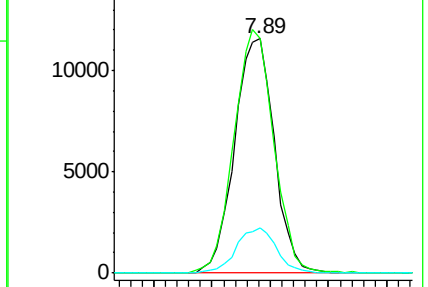
192 19.6 15.8 23.6

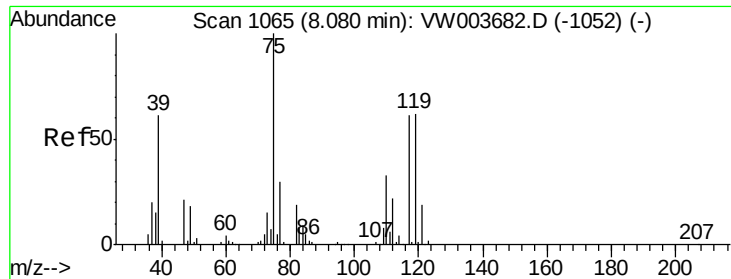


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

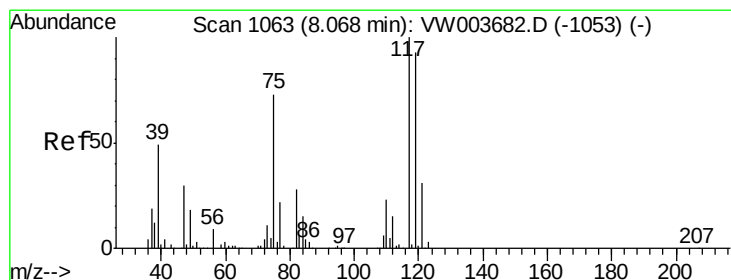
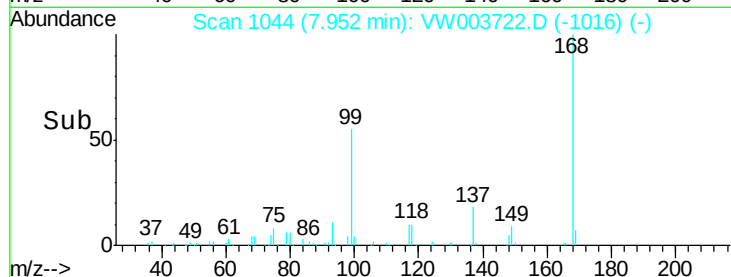
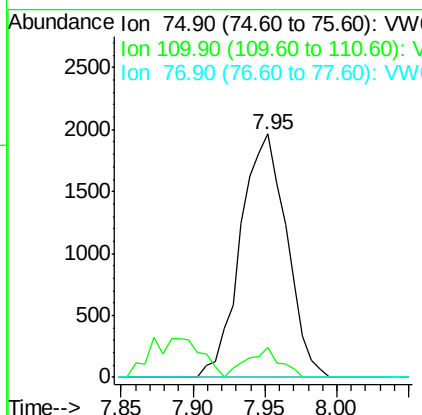
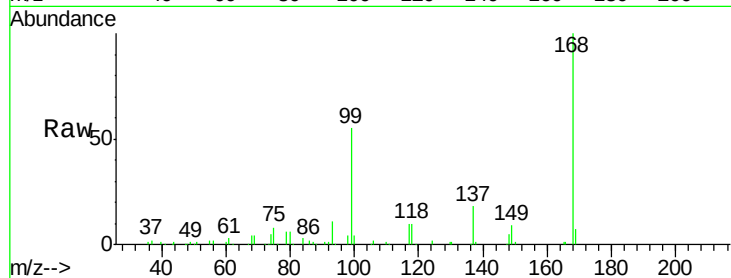




#36
 1,1-Dichloropropene
 Concen: 5.468 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003722.D
 Acq: 05 Jul 2018 15:42

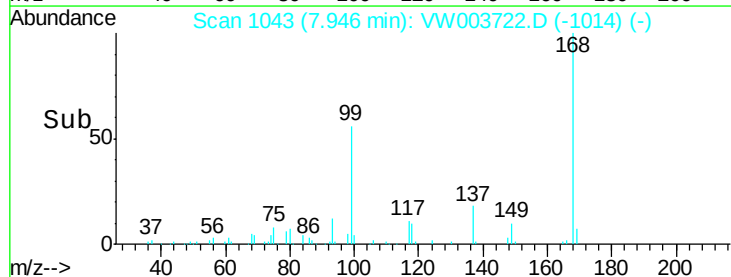
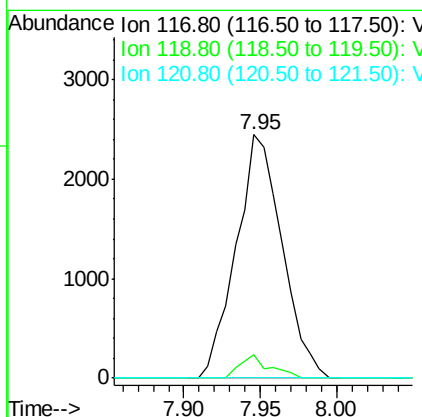
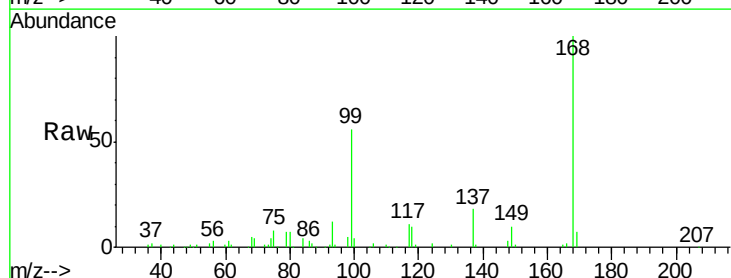
Instrument :
 MSVOA_W
 ClientSampled :

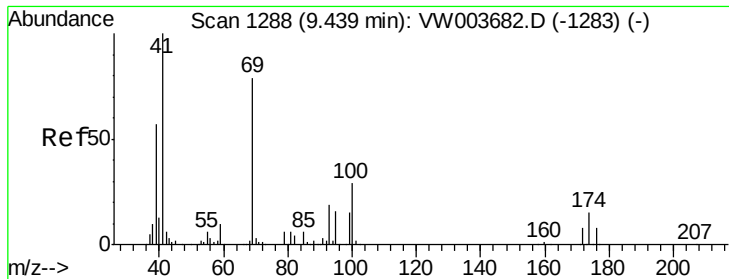
Tot Ion: 75 Resp: 4363
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.720 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003722.D
 Acq: 05 Jul 2018 15:42

Tgt Ion: 117 Resp: 5101
 Ion Ratio Lower Upper
 117 100
 119 9.5 74.1 111.1#
 121 0.0 25.0 37.4#

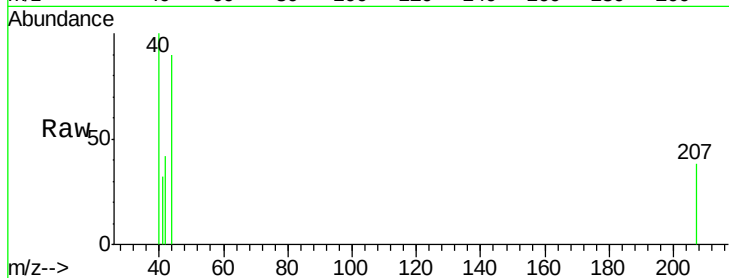




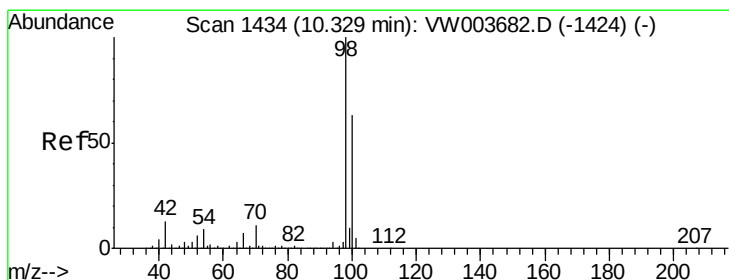
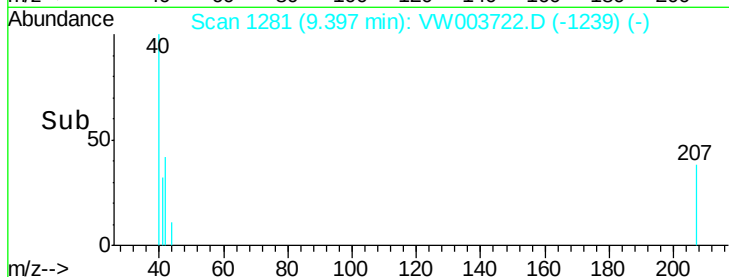
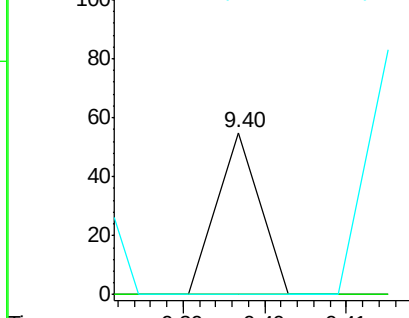
#48
Methvl methacrylate
Concen: 3.412 ug/l
RT: 9.40 min Scan# 1281
Delta R.T. -0.04 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 485.0 50.0 75.0#

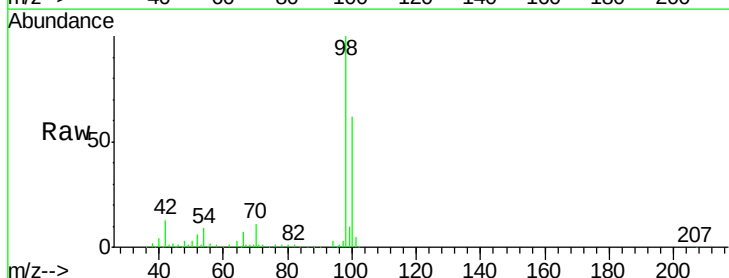


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

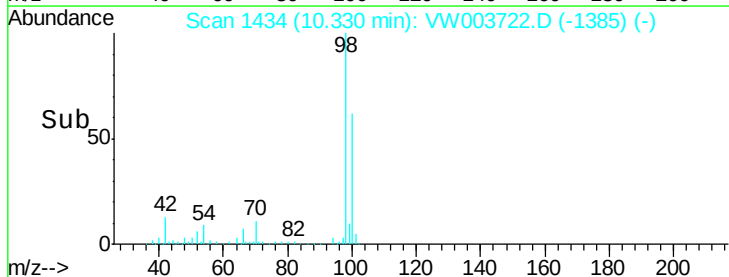
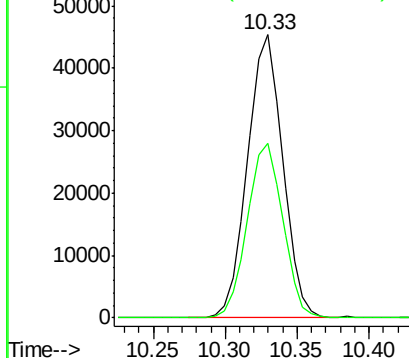


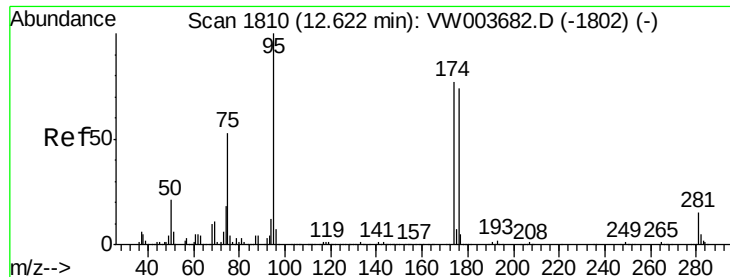
#50
Toluene-d8
Concen: 37.779 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

Tgt Ion: 98 Resp: 76887
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

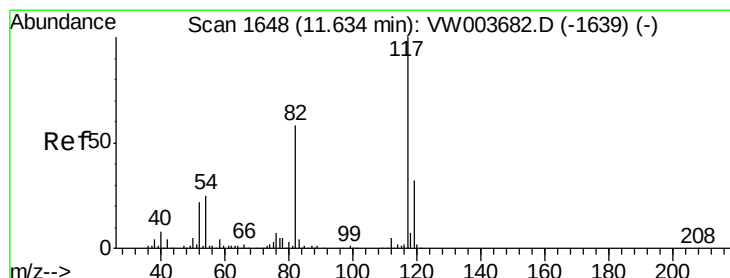
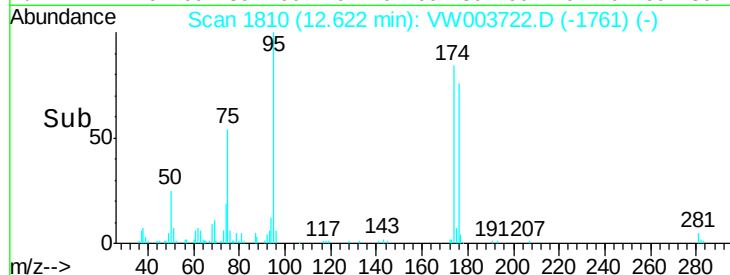
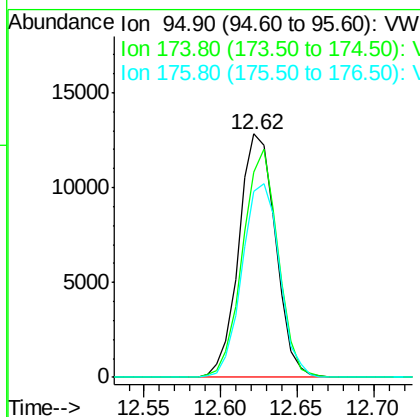
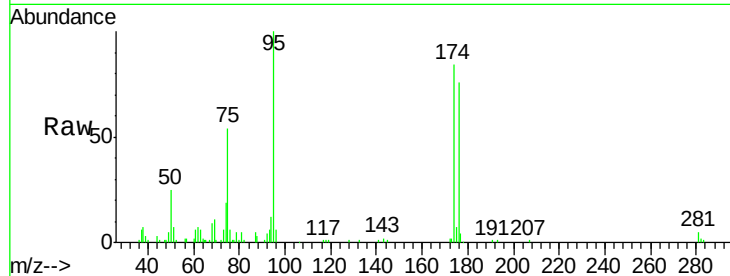




#62
4-Bromofluorobenzene
Concen: 29.289 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

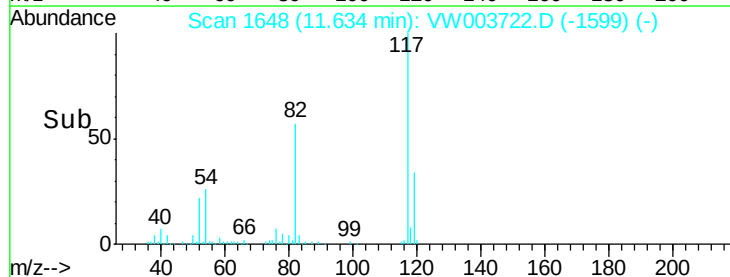
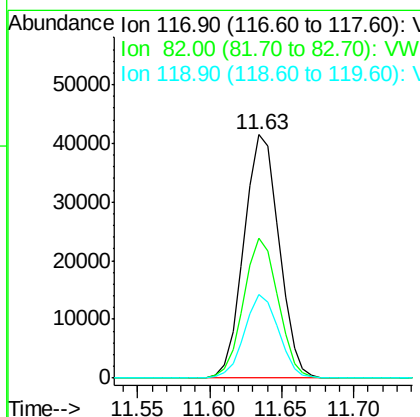
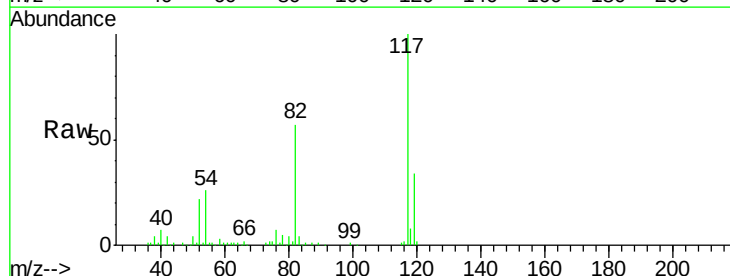
Instrument :
MSVOA_W
ClientSampleId :

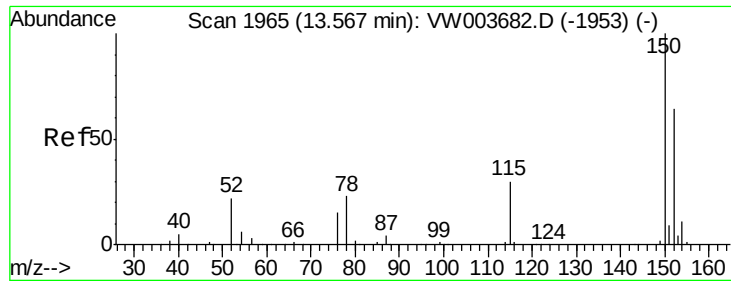
Tot Ion: 95 Resp: 21415
Ion Ratio Lower Upper
95 100
174 90.0 0.0 161.2
176 81.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003722.D
Acq: 05 Jul 2018 15:42

Tgt Ion: 117 Resp: 70056
Ion Ratio Lower Upper
117 100
82 57.2 46.0 69.0
119 34.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003722.D

Acq: 05 Jul 2018 15:42

Instrument :

MSVOA_W

ClientSampleId :

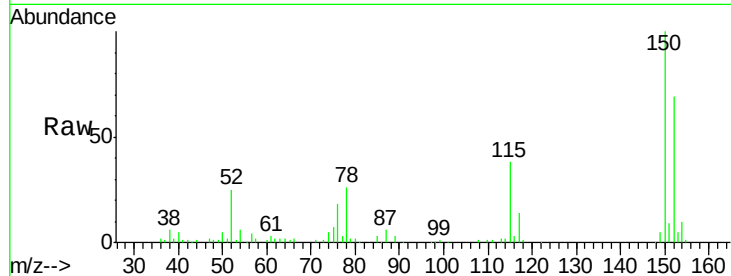
Tot Ion:152 Resp: 24238

Ion Ratio Lower Upper

152 100

115 55.1 29.3 88.0

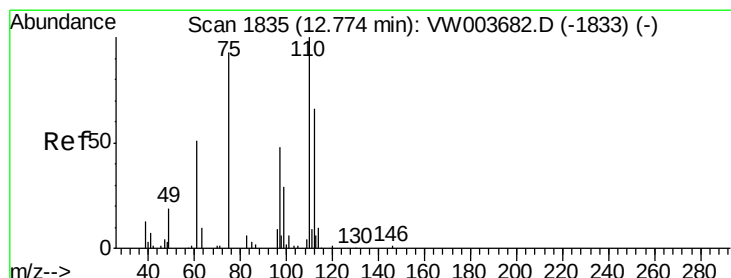
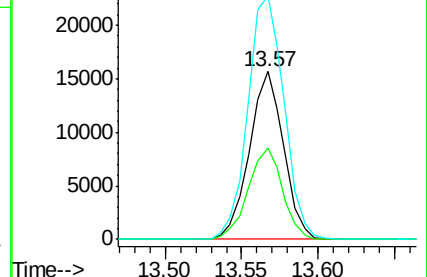
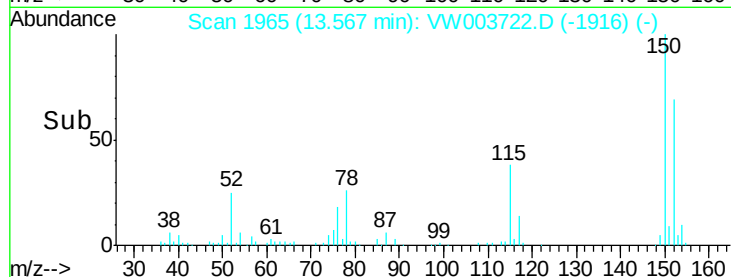
150 153.4 0.0 352.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 54.209 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003722.D

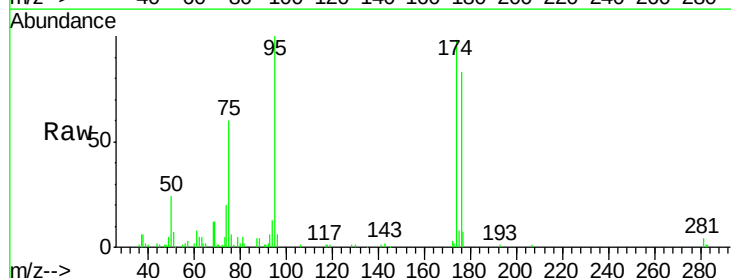
Acq: 05 Jul 2018 15:42

Tgt Ion: 75 Resp: 11814

Ion Ratio Lower Upper

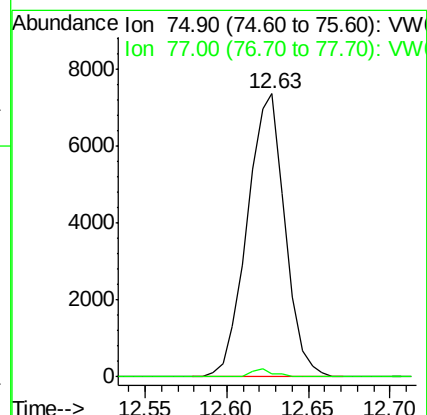
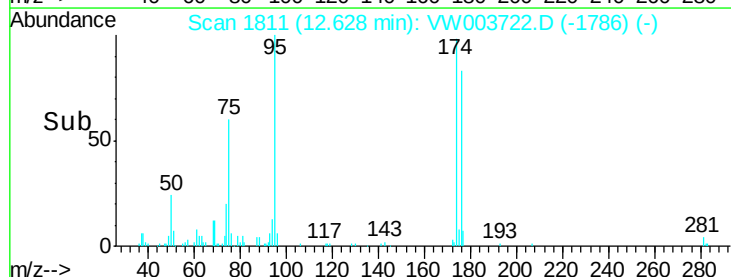
75 100

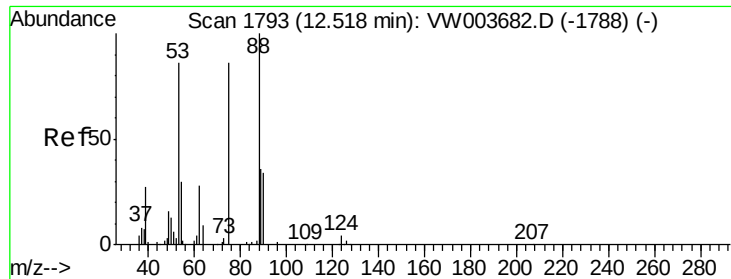
77 1.6 0.0 0.0#



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: 114.865 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003722.D

Acq: 05 Jul 2018 15:42

Instrument :

MSVOA_W

ClientSampleId :

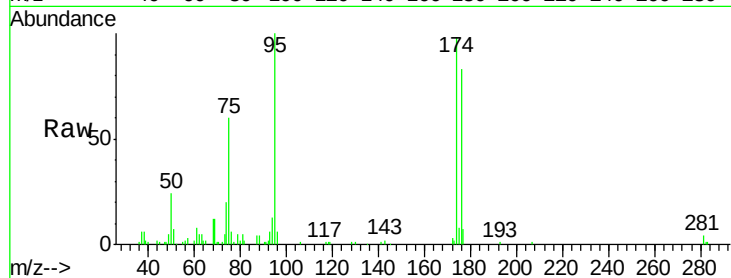
Tot Ion: 75 Resp: 11814

Ion Ratio Lower Upper

75 100

53 0.0 82.4 123.6#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

