

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003701.D
 Acq On : 03 Jul 2018 16:17
 Operator : SY/AP
 Sample : J3813-01
 Misc : 5.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 I2-60-SRI3

Quant Time: Jul 03 23:49:31 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	168373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	291394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	137289	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	102092	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	85340	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
50) Toluene-d8	10.33	98	277308	37.17	ug/l	0.00
Spiked Amount			Recovery	=	74.34%	
62) 4-Bromofluorobenzene	12.62	95	101010	37.69	ug/l	0.00
Spiked Amount			Recovery	=	75.38%	

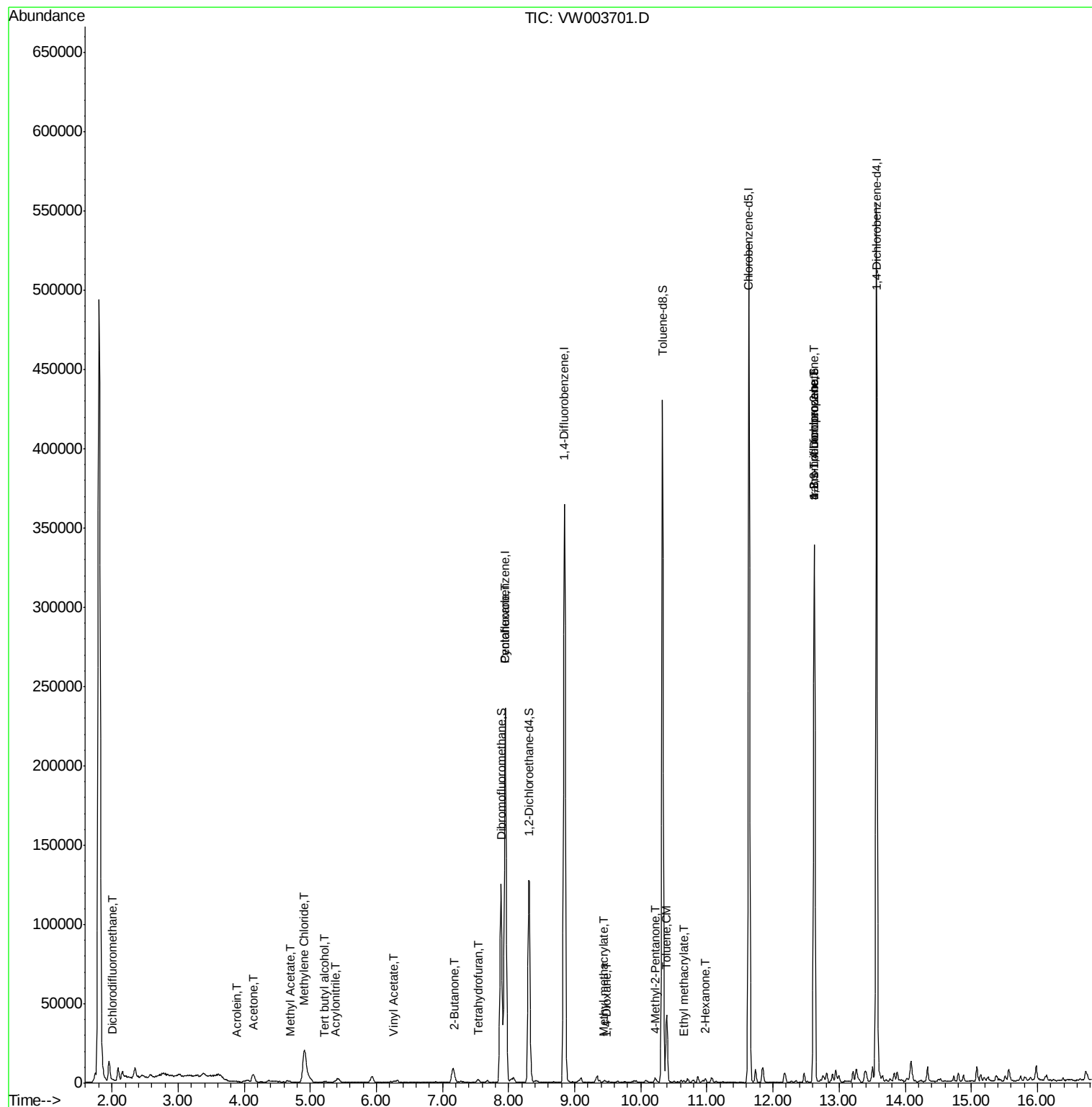
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	358	5.223	ug/l #	43
11) Tert butyl alcohol	5.21	59	492	3.917	ug/l #	71
13) Acrolein	3.89	56	366	6.005	ug/l	88
15) Acrylonitrile	5.38	53	1089	2.608	ug/l #	28
16) Acetone	4.14	43	9543	19.916	ug/l	96
18) Methyl Acetate	4.69	43	1306	1.963	ug/l #	65
20) Methylene Chloride	4.91	84	19179	7.620	ug/l	91
23) Vinyl Acetate	6.26	43	1438	14.218	ug/l	95
25) 2-Butanone	7.19	43	2131	3.473	ug/l	90
29) Tetrahydrofuran	7.54	42	1189	3.233	ug/l	97
31) Cyclohexane	7.95	56	5380	1.753	ug/l #	35
48) Methyl methacrylate	9.44	41	553	3.728	ug/l #	68
49) 1,4-Dioxane	9.48	88	27	1.554	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	2189	1.549	ug/l	98
52) Toluene	10.39	92	17196	3.352	ug/l	99
56) Ethyl methacrylate	10.65	69	474	3.783	ug/l #	56
59) 2-Hexanone	10.98	43	2003	1.983	ug/l	72
76) 1,2,3-Trichloropropane	12.62	75	54115	43.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54115	92.890	ug/l #	9

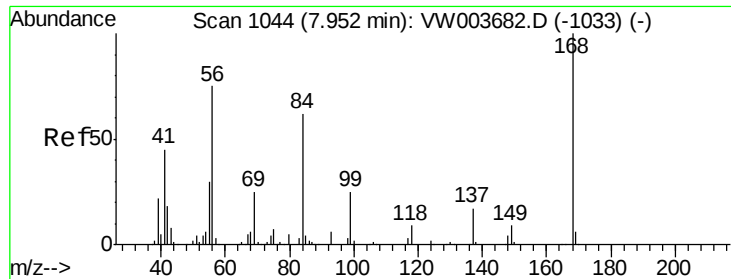
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
Data File : VW003701.D
Acq On : 03 Jul 2018 16:17
Operator : SY/AP
Sample : J3813-01
Misc : 5.14G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
I2-60-SRI3

Quant Time: Jul 03 23:49:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 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: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

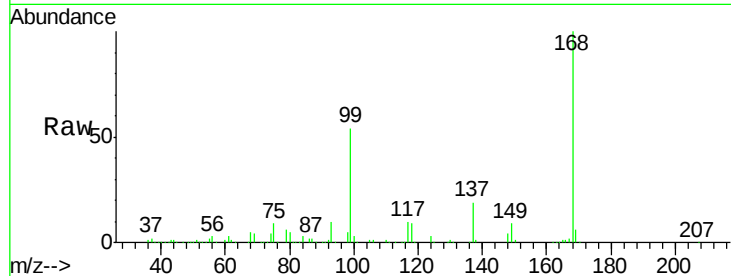
I2-60-SRI3

Tgt Ion:168 Resp: 168373

Ion Ratio Lower Upper

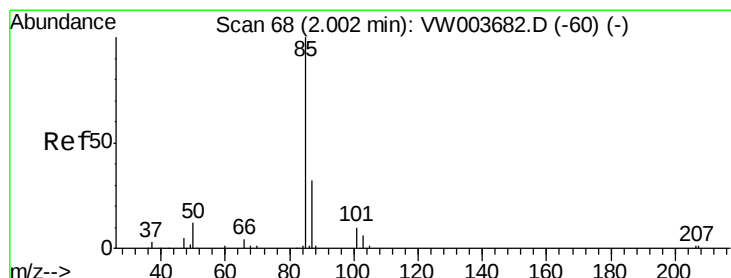
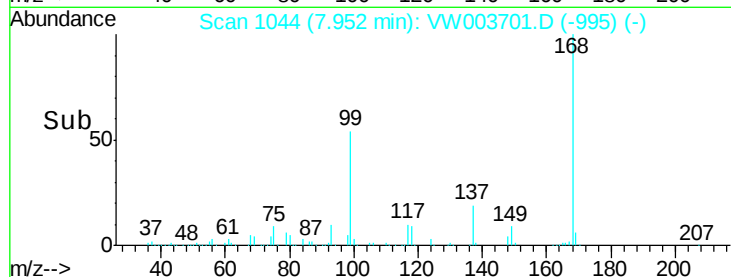
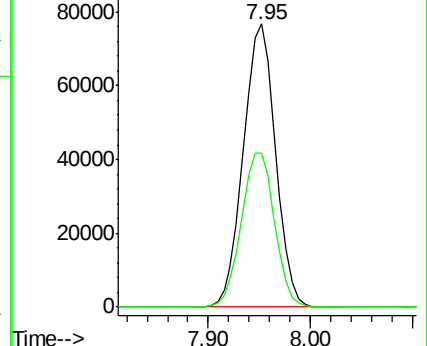
168 100

99 54.3 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.223 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003701.D

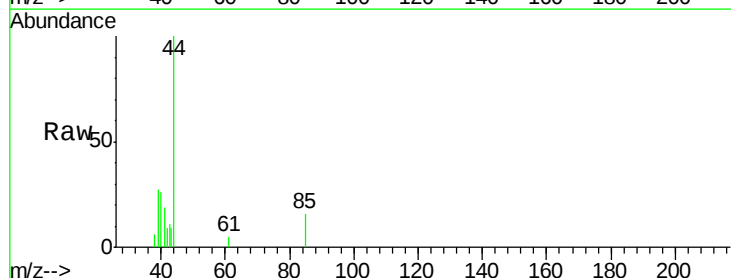
Acq: 03 Jul 2018 16:17

Tgt Ion: 85 Resp: 358

Ion Ratio Lower Upper

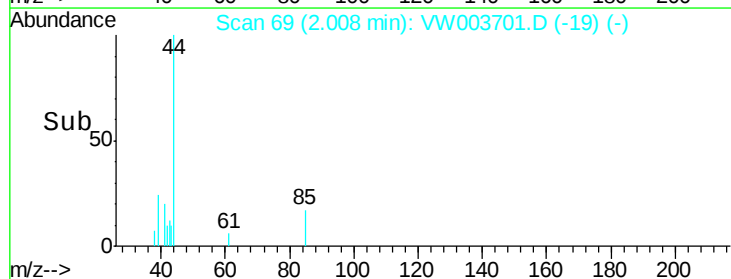
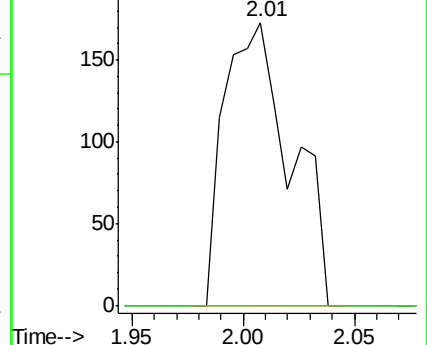
85 100

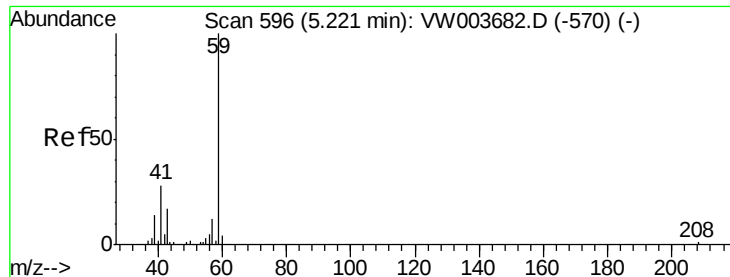
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



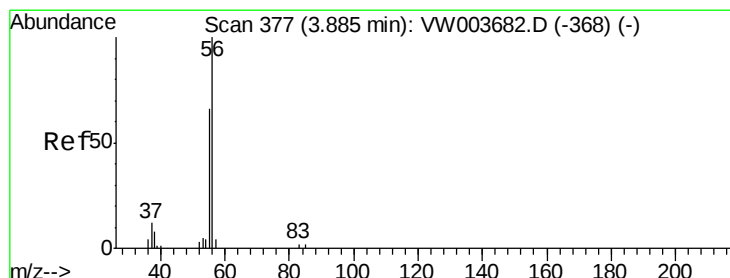
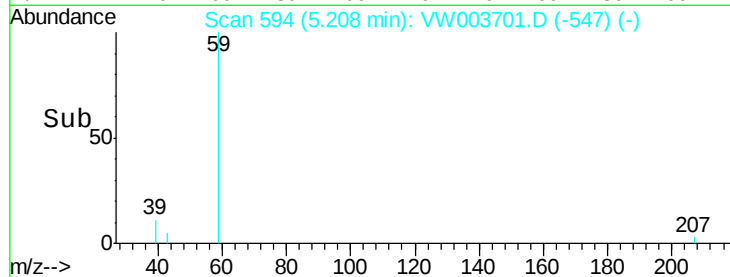
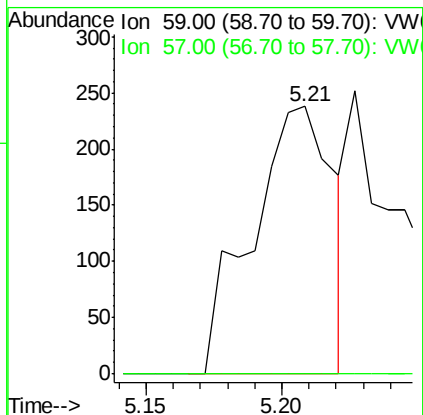
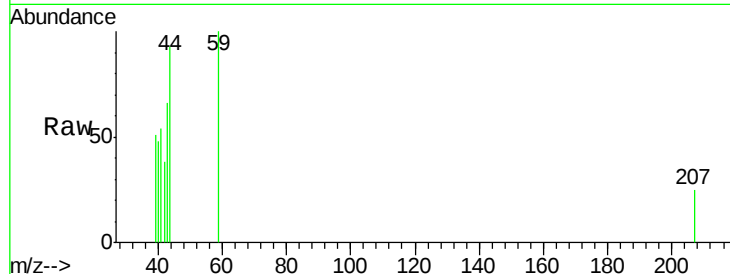


#11

Tert butyl alcohol
Concen: 3.917 ug/l
RT: 5.21 min Scan# 594
Delta R.T. -0.01 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

Instrument :
MSVOA_W
ClientSampled :
I2-60-SRI3

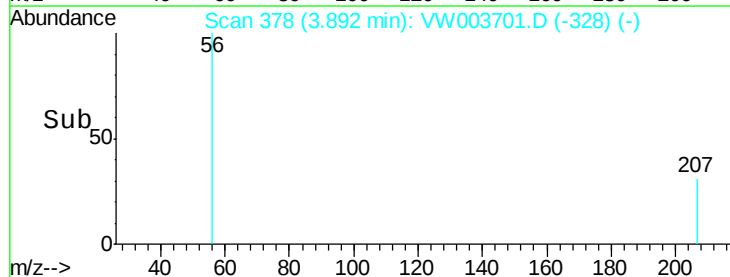
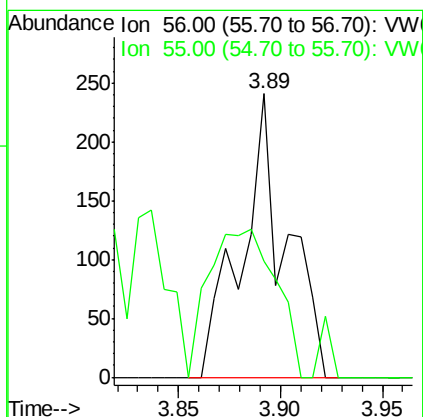
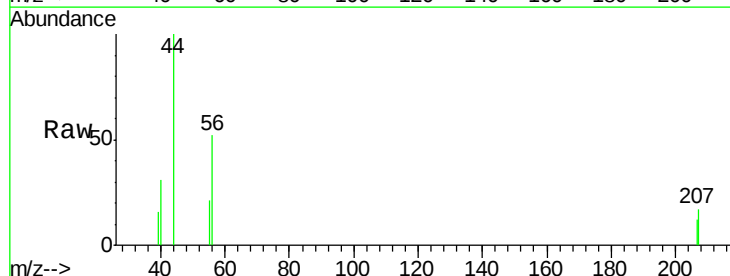
Tgt Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

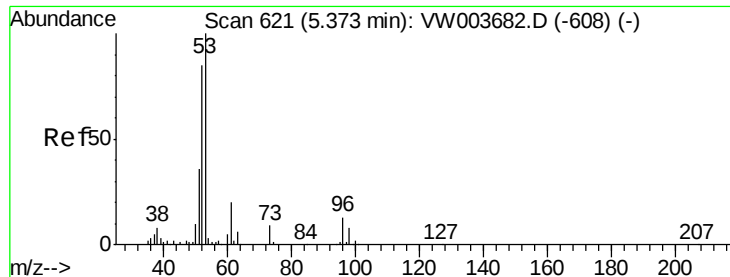


#13

Acrolein
Concen: 6.005 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.01 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

Tgt Ion: 56 Resp: 366
Ion Ratio Lower Upper
56 100
55 78.4 54.7 82.1





#15

Acrylonitrile

Concen: 2.608 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

I2-60-SRI3

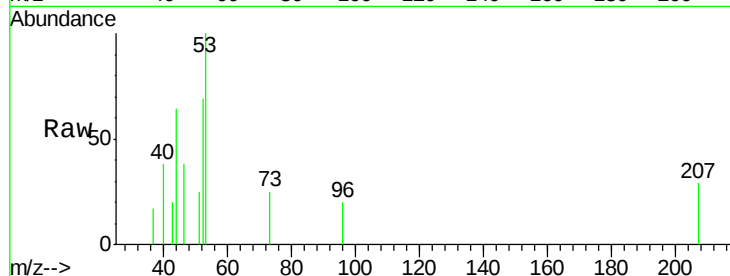
Tgt Ion: 53 Resp: 1089

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

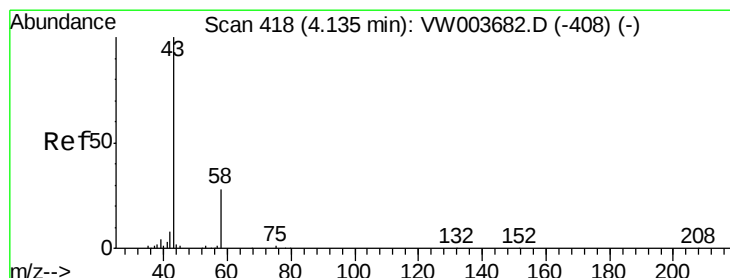
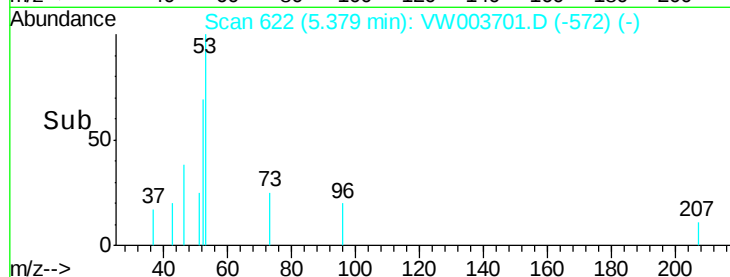
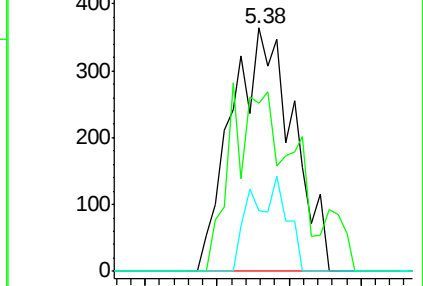
51 22.3 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 19.916 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003701.D

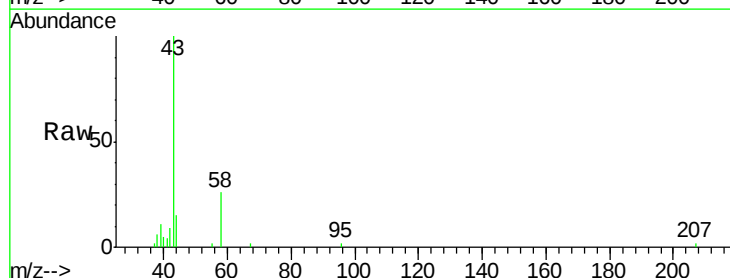
Acq: 03 Jul 2018 16:17

Tgt Ion: 43 Resp: 9543

Ion Ratio Lower Upper

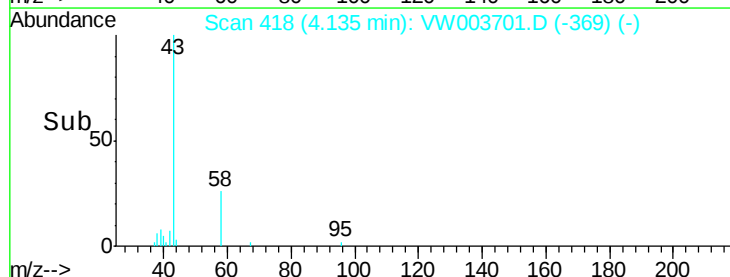
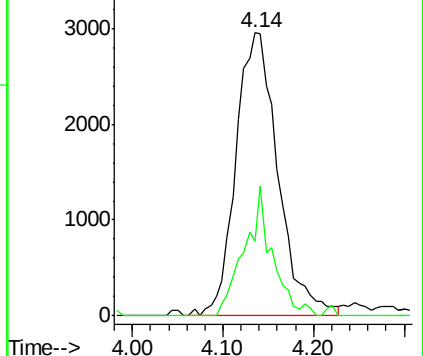
43 100

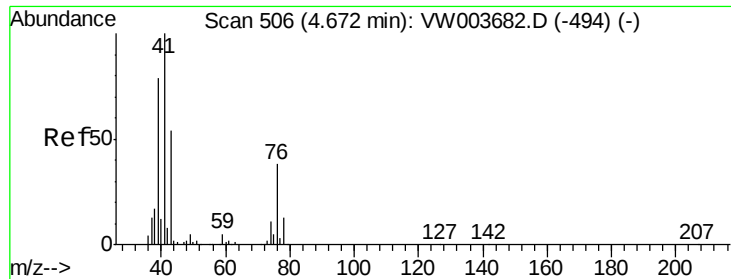
58 26.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

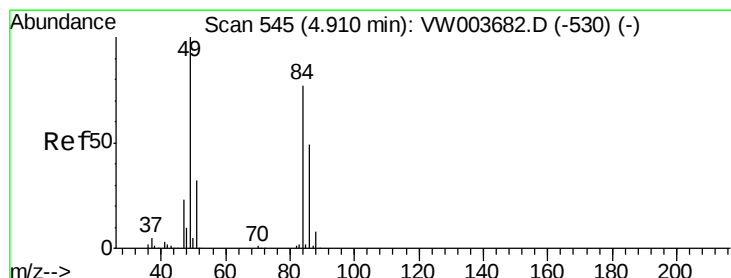
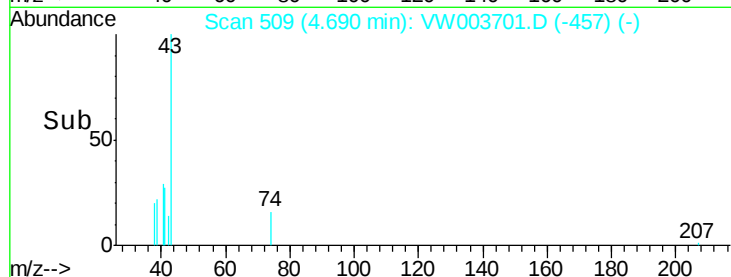
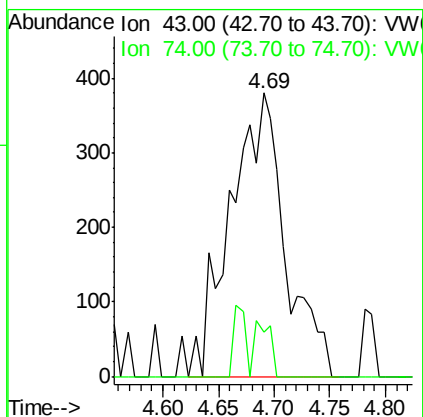
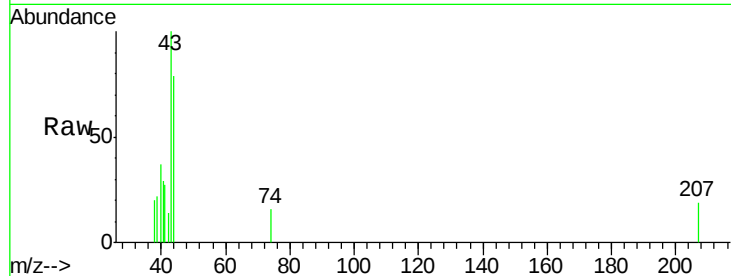




#18
Methyl Acetate
Concen: 1.963 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.02 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

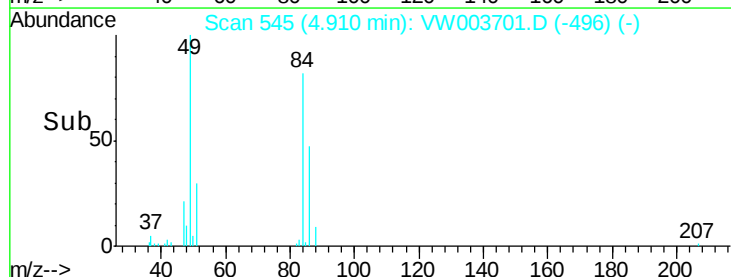
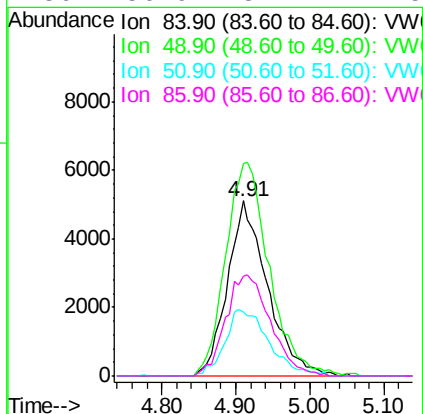
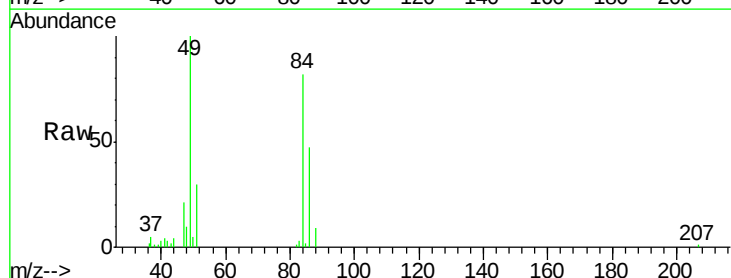
Instrument :
MSVOA_W
ClientSampleId :
I2-60-SRI3

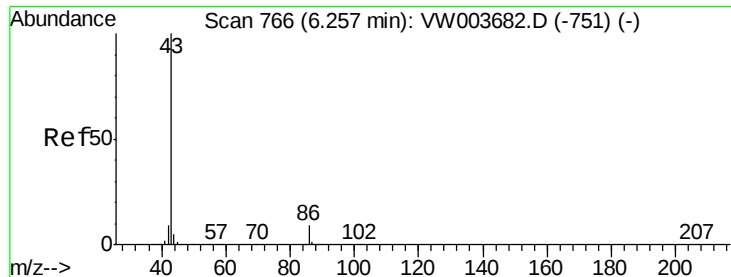
Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
74 5.7 18.2 27.2#



#20
Methylene Chloride
Concen: 7.620 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

Tgt Ion: 84 Resp: 19179
Ion Ratio Lower Upper
84 100
49 121.4 104.6 156.8
51 36.3 33.2 49.8
86 56.9 51.7 77.5





#23

Vinyl Acetate

Concen: 14.218 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

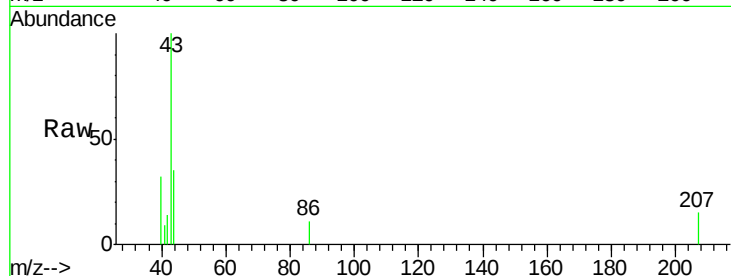
I2-60-SRI3

Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

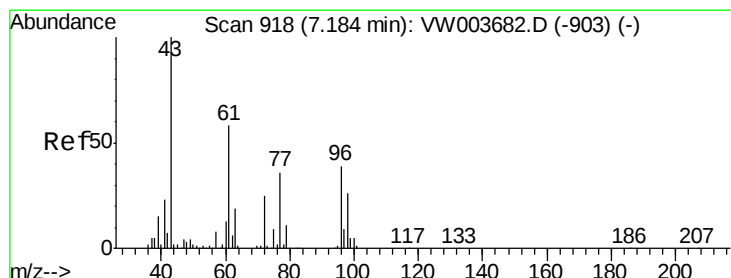
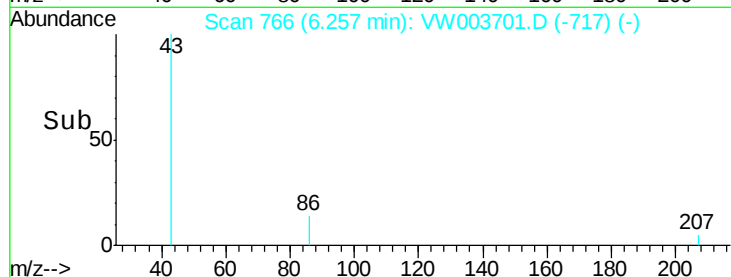
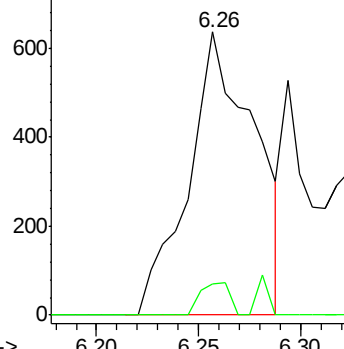
43 100

86 11.1 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#25

2-Butanone

Concen: 3.473 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003701.D

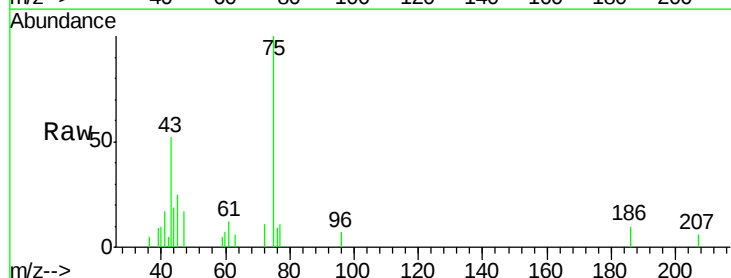
Acq: 03 Jul 2018 16:17

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

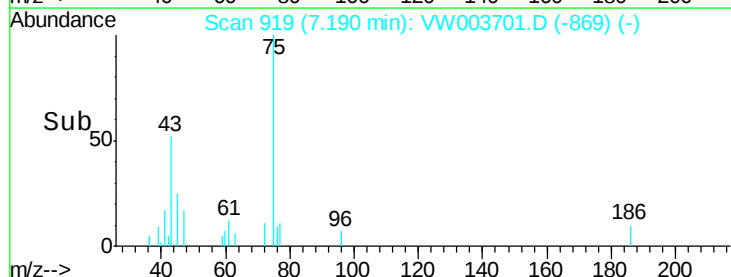
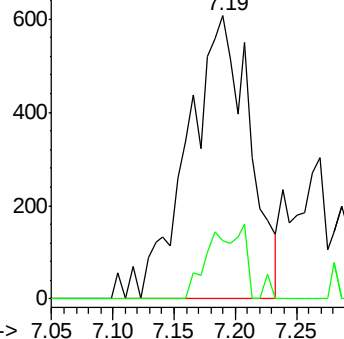
43 100

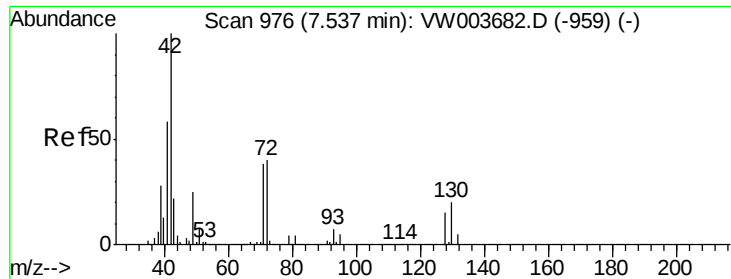
72 20.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

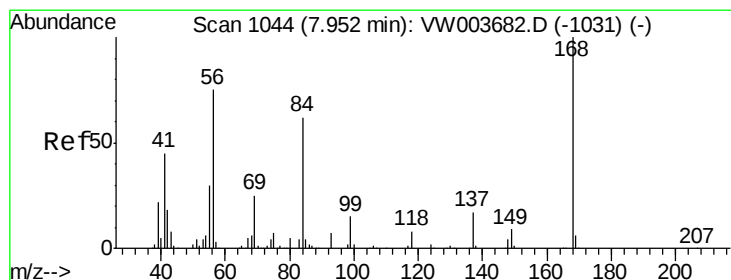
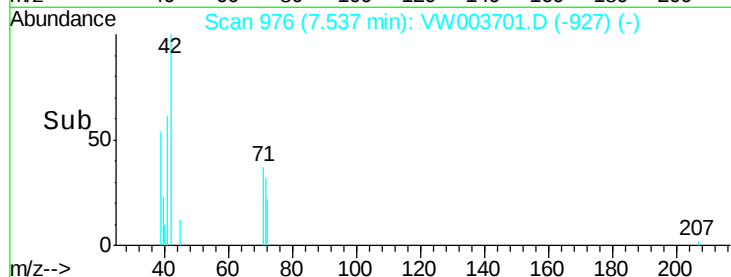
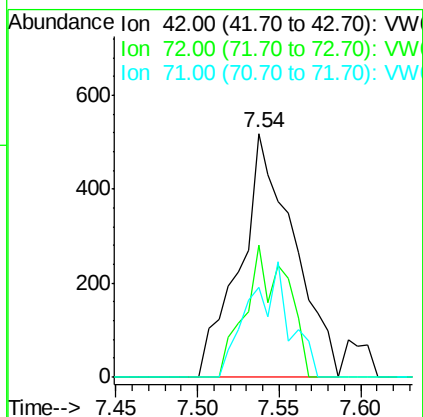
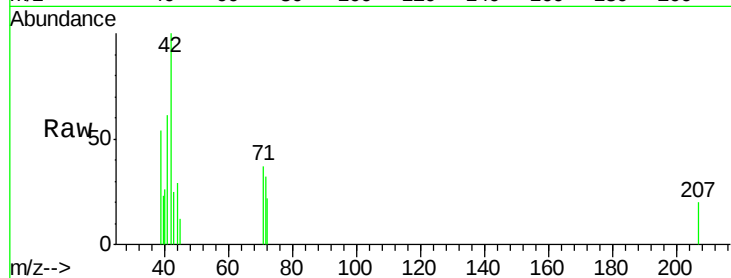




#29
Tetrahydrofuran
Concen: 3.233 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

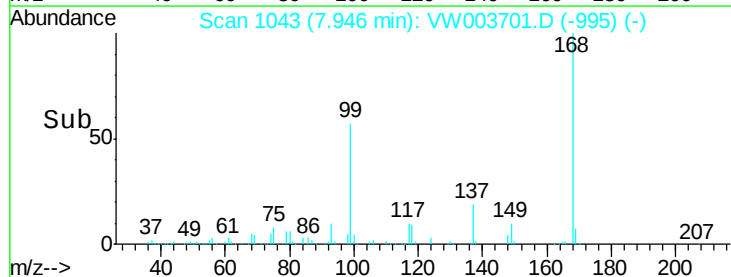
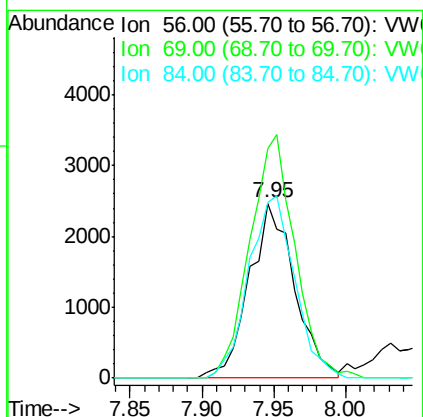
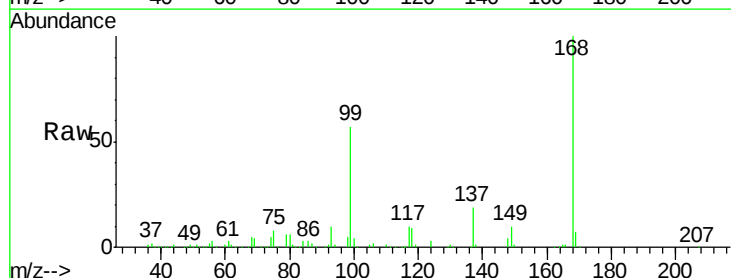
Instrument :
MSVOA_W
ClientSampleId :
I2-60-SRI3

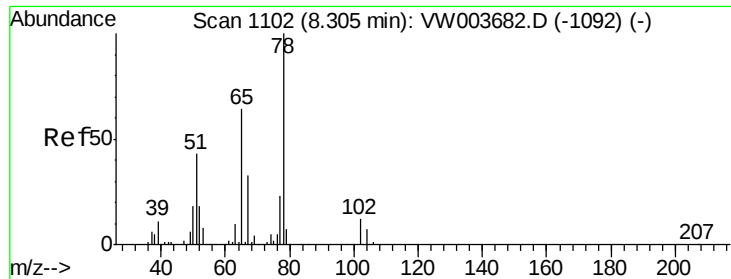
Tgt Ion: 42 Resp: 1189
Ion Ratio Lower Upper
42 100
72 41.7 32.0 48.0
71 35.2 30.2 45.2



#31
Cyclohexane
Concen: 1.753 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003701.D
Acq: 03 Jul 2018 16:17

Tgt Ion: 56 Resp: 5380
Ion Ratio Lower Upper
56 100
69 130.9 27.0 40.4#
84 100.4 65.4 98.0#

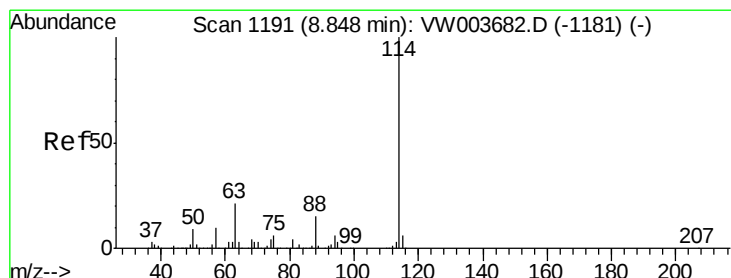
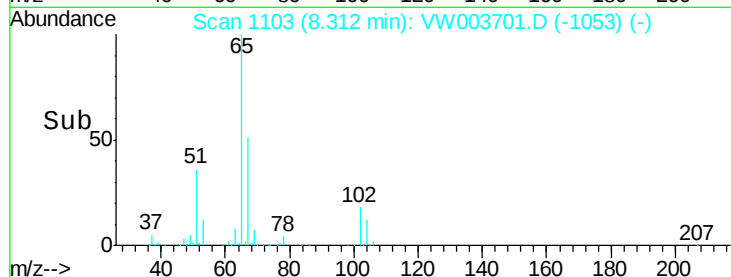
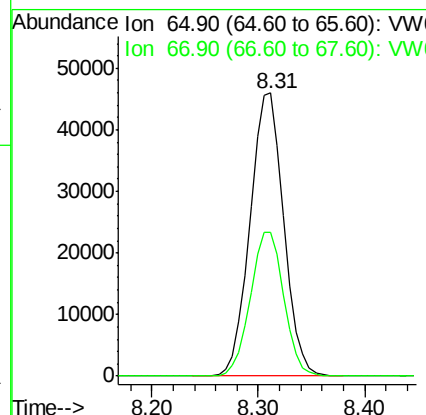
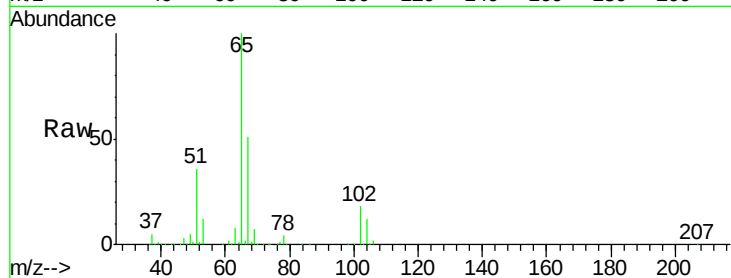




#33
 1,2-Dichloroethane-d4
 Concen: 50.859 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003701.D
 Acq: 03 Jul 2018 16:17

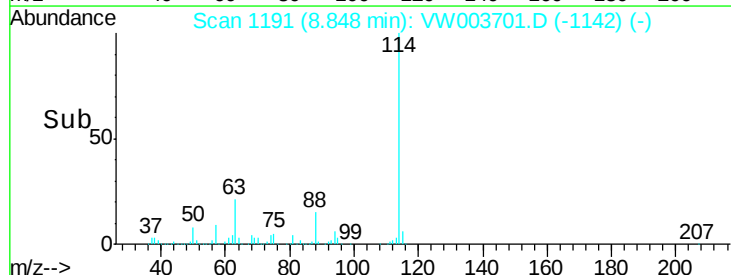
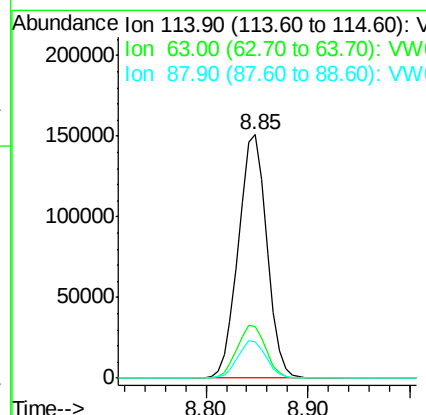
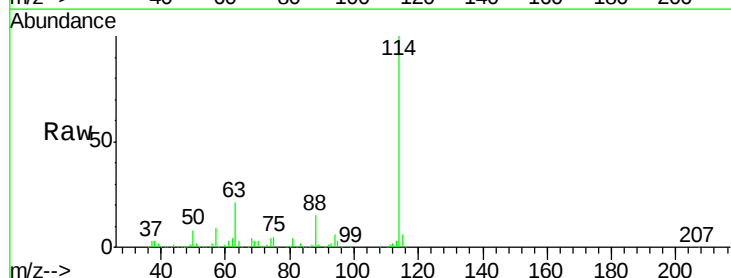
Instrument :
 MSVOA_W
 ClientSampleId :
 I2-60-SRI3

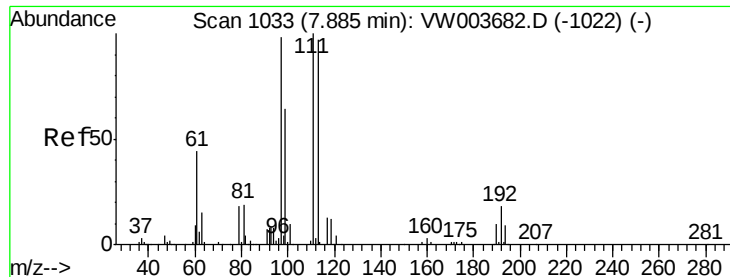
Tgt Ion: 65 Resp: 102092
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003701.D
 Acq: 03 Jul 2018 16:17

Tgt Ion: 114 Resp: 291394
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 15.0 0.0 29.8

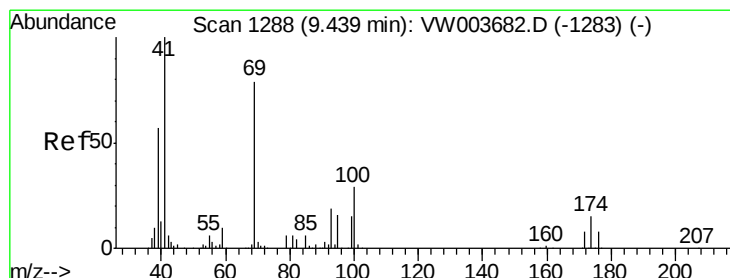
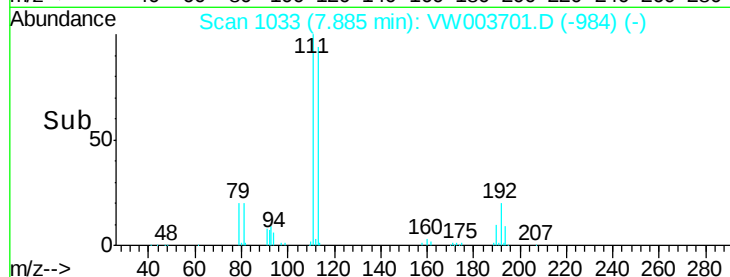
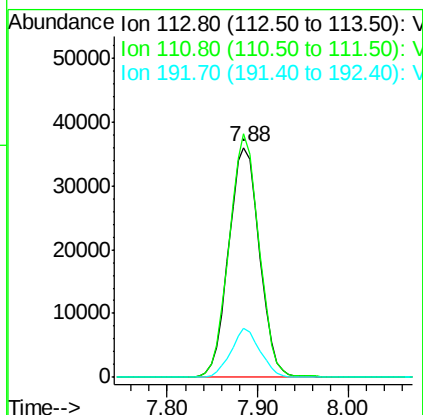
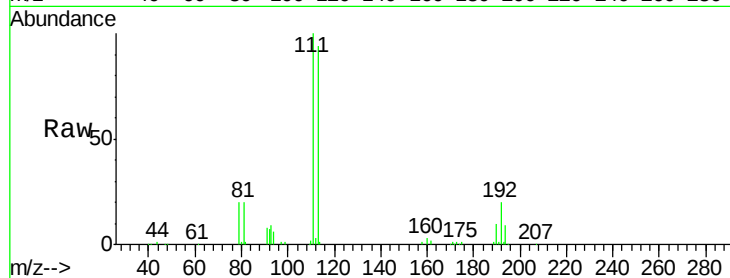




#35
 Dibromofluoromethane
 Concen: 44.904 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003701.D
 Acq: 03 Jul 2018 16:17

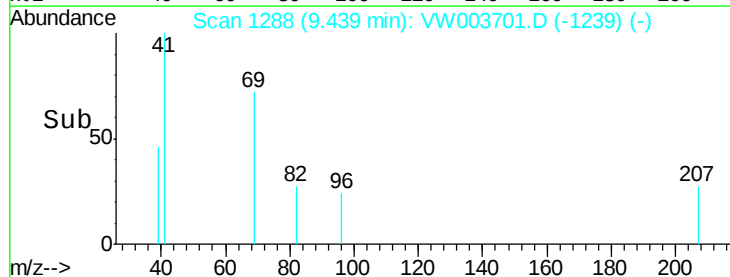
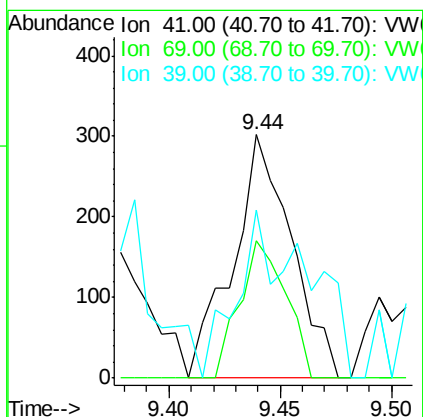
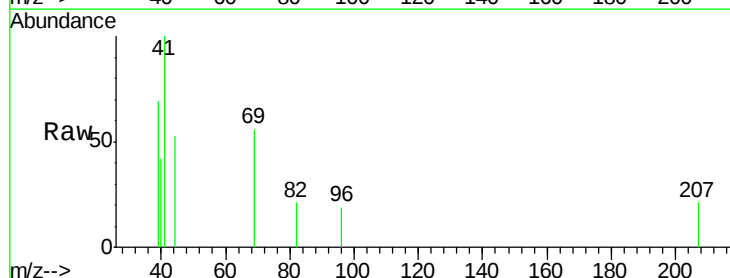
Instrument :
 MSVOA_W
 ClientSampleId :
 I2-60-SRI3

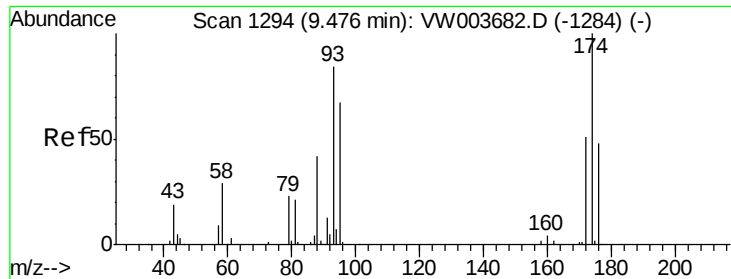
Tgt Ion: 113 Resp: 85340
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 20.0 15.8 23.6



#48
 Methyl methacrylate
 Concen: 3.728 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW003701.D
 Acq: 03 Jul 2018 16:17

Tgt Ion: 41 Resp: 553
 Ion Ratio Lower Upper
 41 100
 69 44.5 65.4 98.2#
 39 47.6 50.0 75.0#





#49

1,4-Dioxane

Concen: 1.554 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

I2-60-SRI3

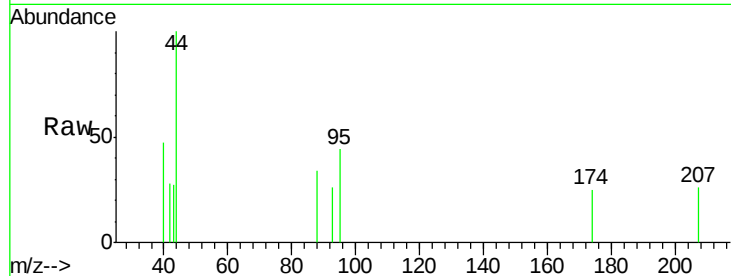
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

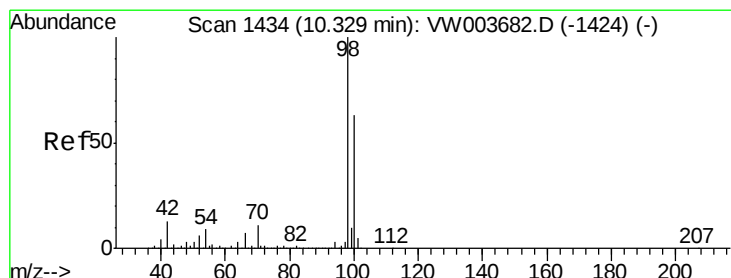
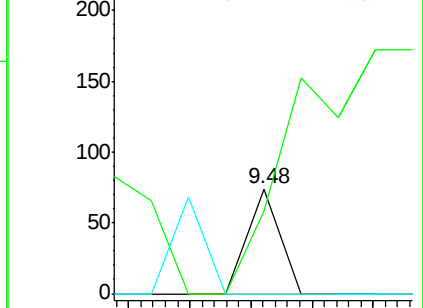
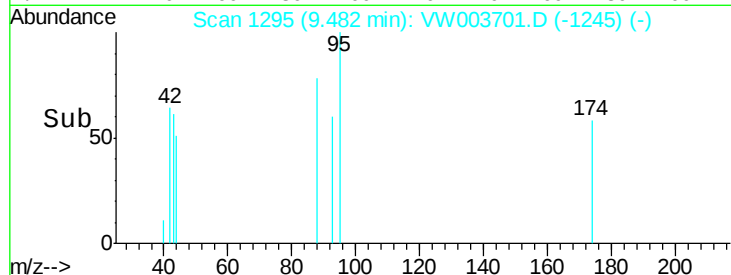
58 92.6 61.8 92.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 37.169 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003701.D

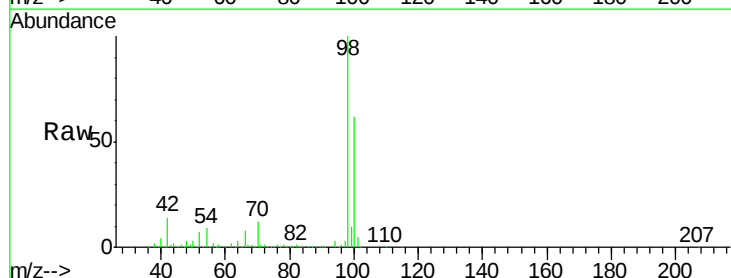
Acq: 03 Jul 2018 16:17

Tgt Ion: 98 Resp: 277308

Ion Ratio Lower Upper

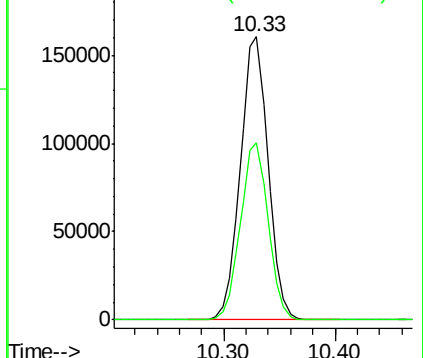
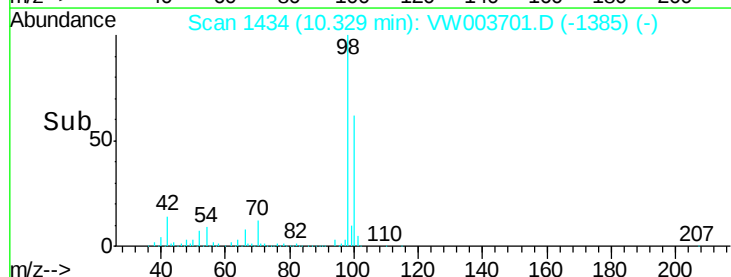
98 100

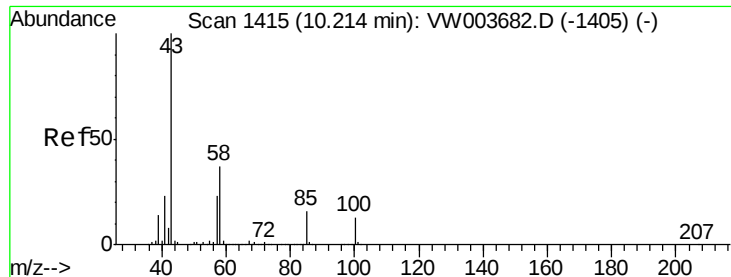
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.549 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampled :

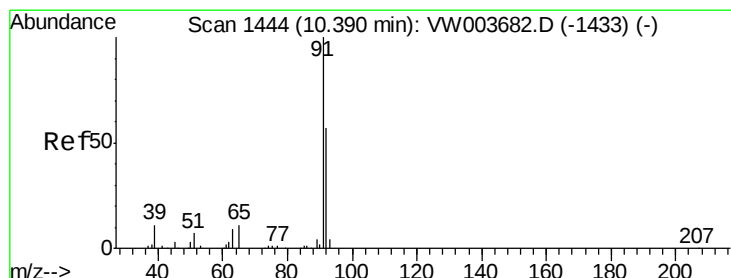
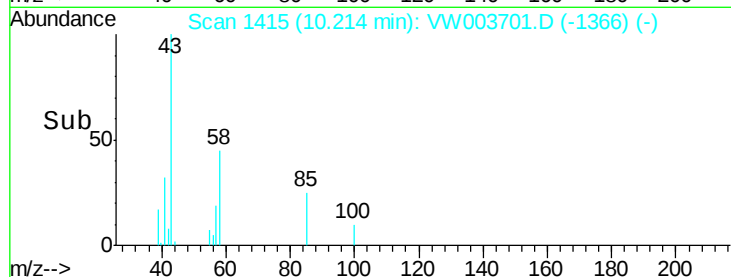
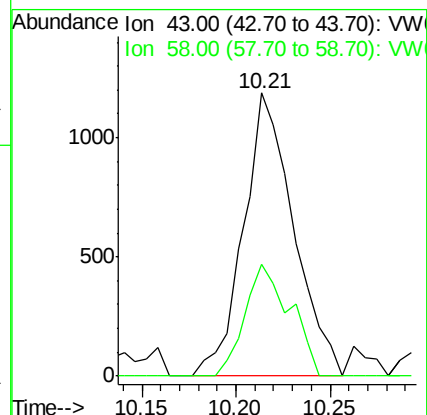
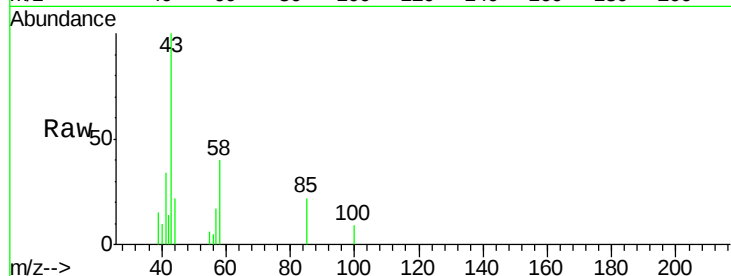
I2-60-SRI3

Tgt Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

58 35.6 29.6 44.4



#52

Toluene

Concen: 3.352 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003701.D

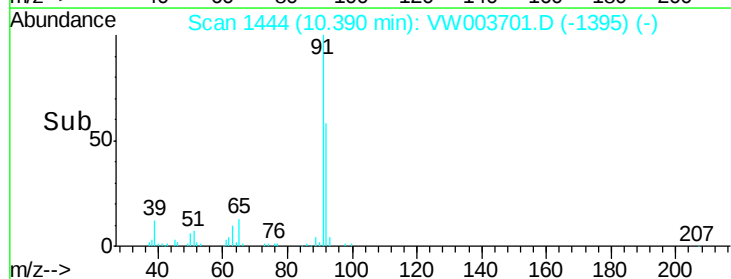
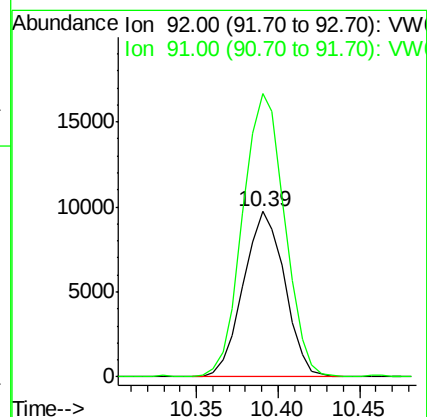
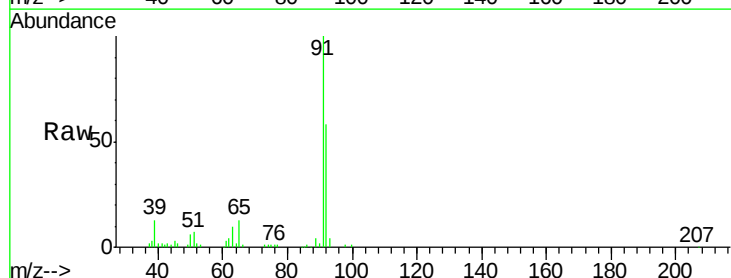
Acq: 03 Jul 2018 16:17

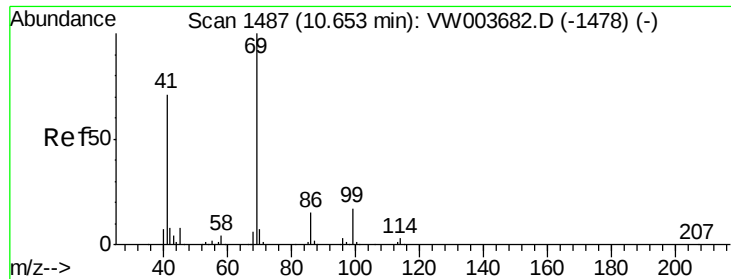
Tgt Ion: 92 Resp: 17196

Ion Ratio Lower Upper

92 100

91 173.8 140.2 210.2





#56

Ethyl methacrylate

Concen: 3.783 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampled :

I2-60-SRI3

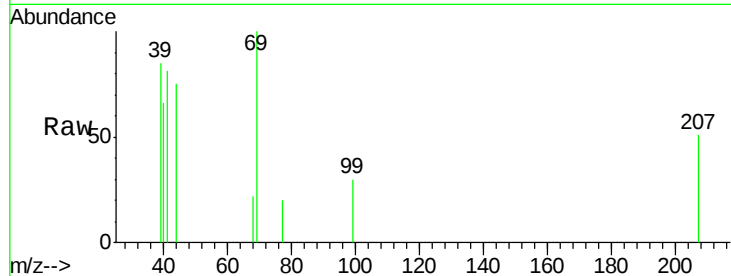
Tgt Ion: 69 Resp: 474

Ion Ratio Lower Upper

69 100

41 93.7 57.5 86.3#

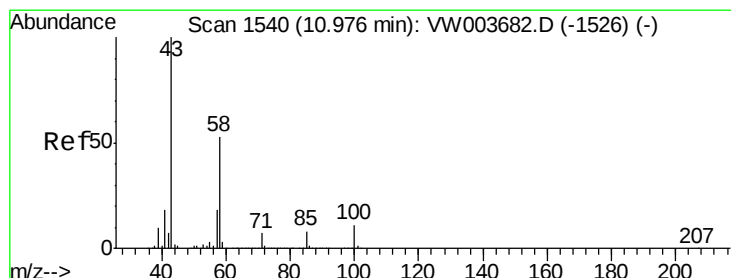
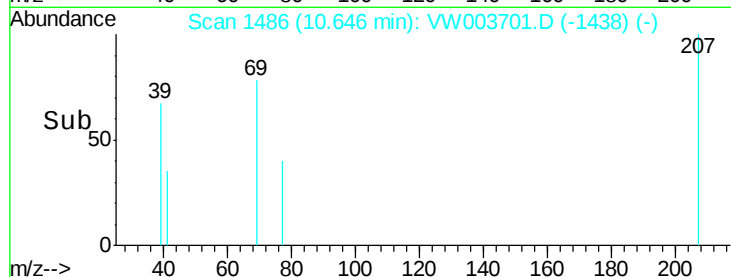
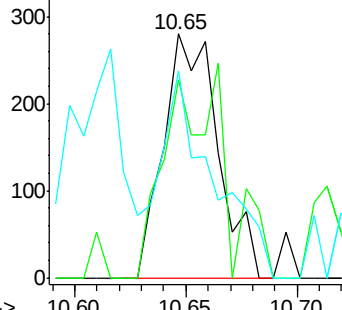
39 82.7 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#59

2-Hexanone

Concen: 1.983 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003701.D

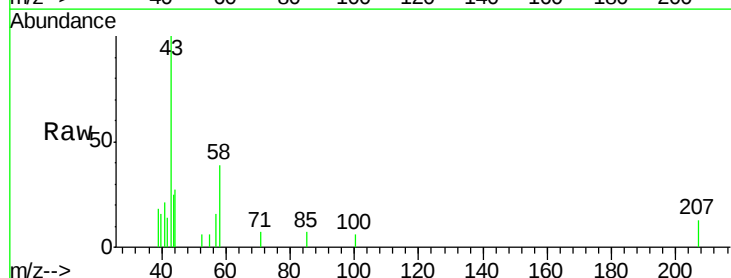
Acq: 03 Jul 2018 16:17

Tgt Ion: 43 Resp: 2003

Ion Ratio Lower Upper

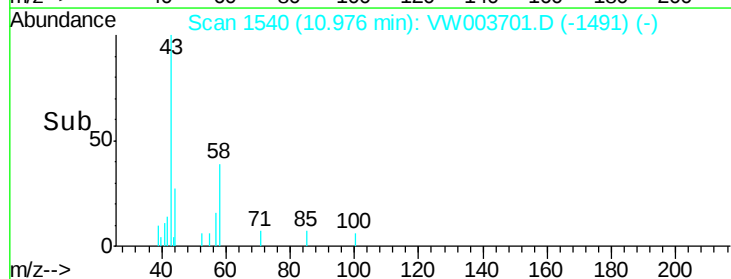
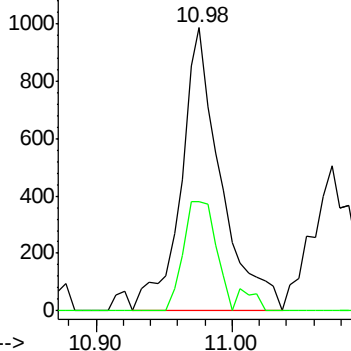
43 100

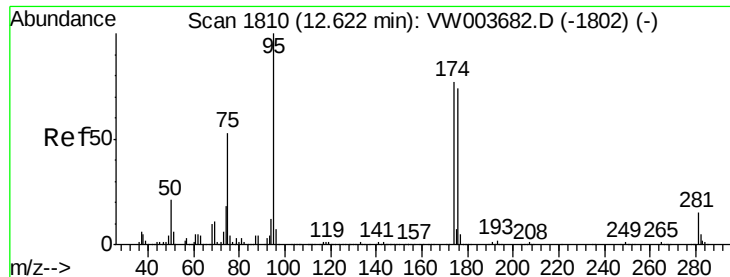
58 32.0 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 37.686 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

I2-60-SRI3

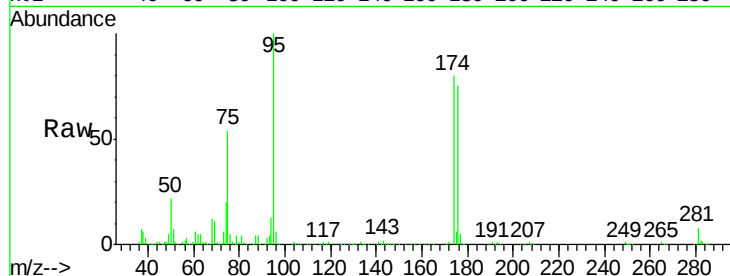
Tgt Ion: 95 Resp: 101010

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.2

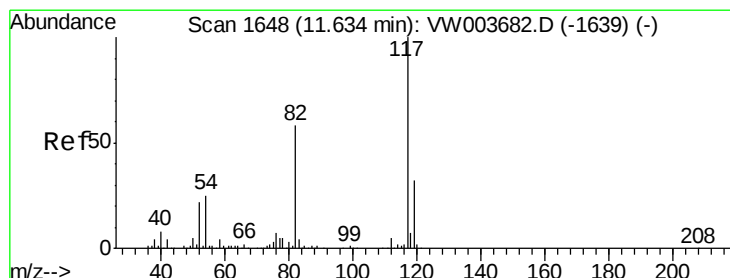
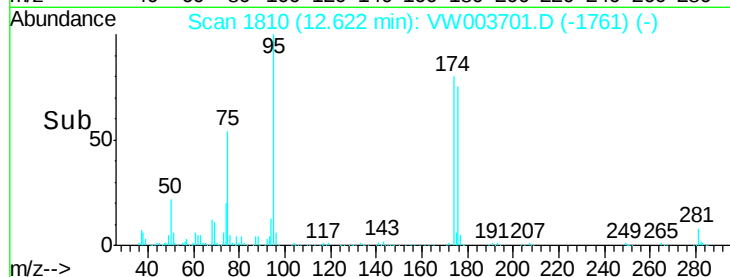
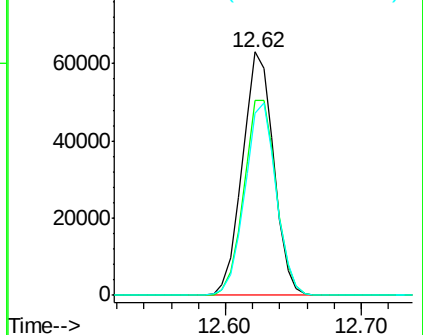
176 79.5 0.0 155.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

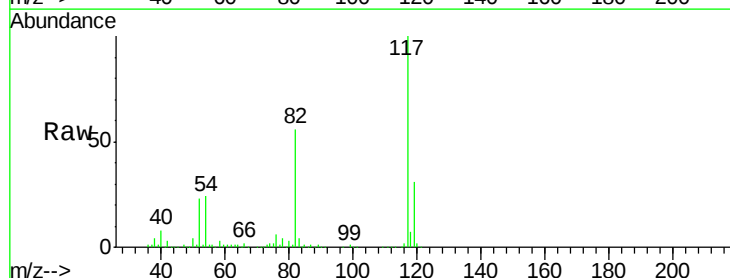
Tgt Ion: 117 Resp: 277780

Ion Ratio Lower Upper

117 100

82 56.2 46.0 69.0

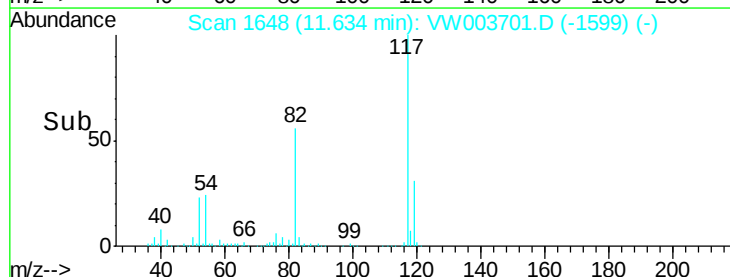
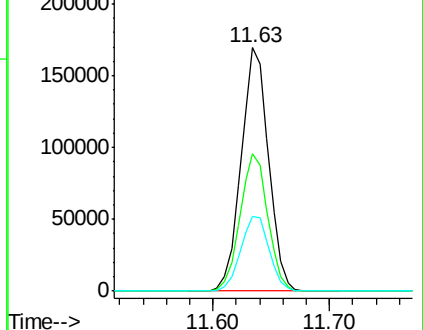
119 30.8 25.4 38.0

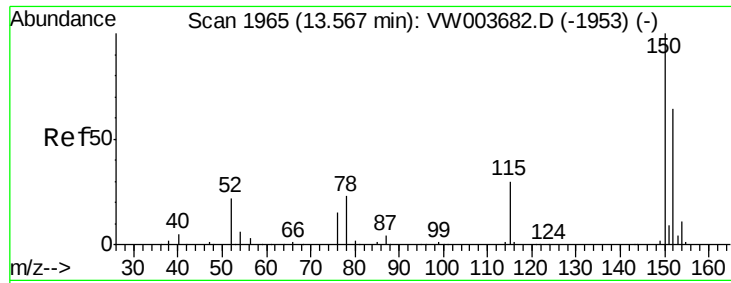


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

12-60-SRI3

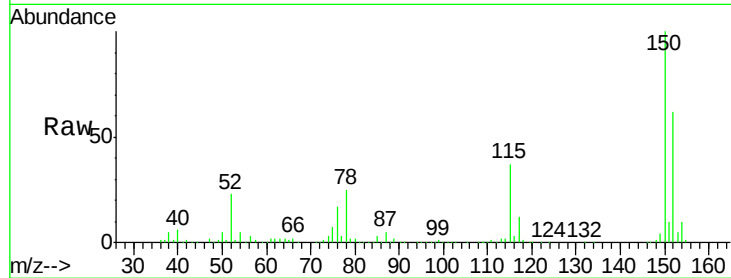
Tgt Ion: 152 Resp: 137289

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

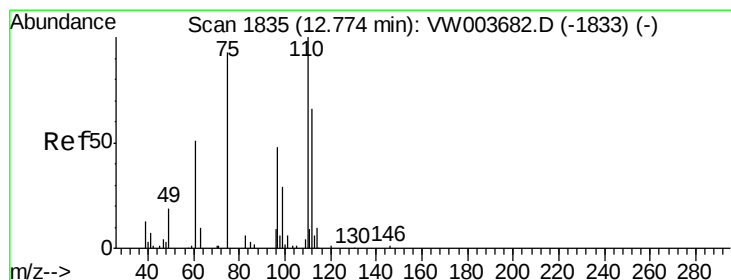
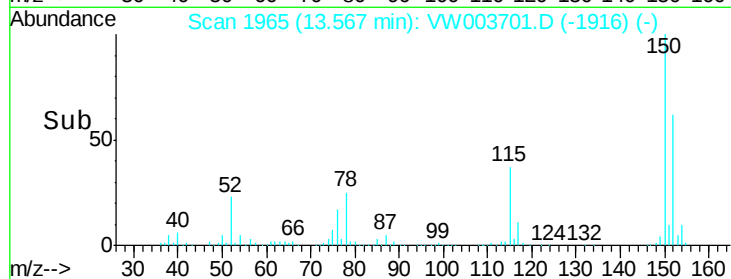
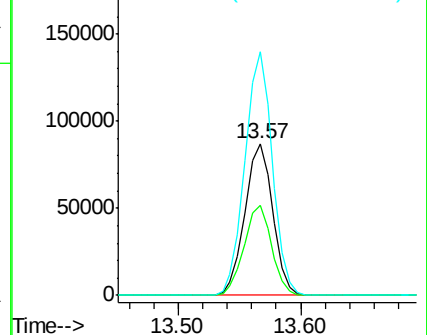
150 158.7 0.0 352.0



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: 43.838 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003701.D

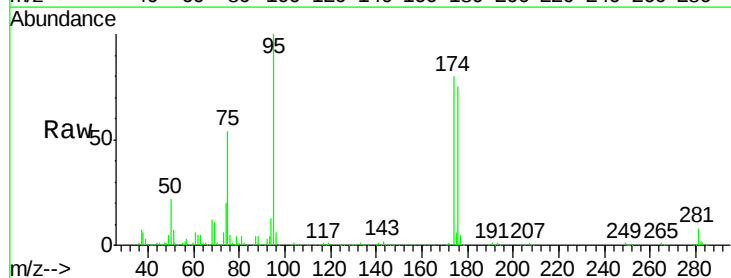
Acq: 03 Jul 2018 16:17

Tgt Ion: 75 Resp: 54115

Ion Ratio Lower Upper

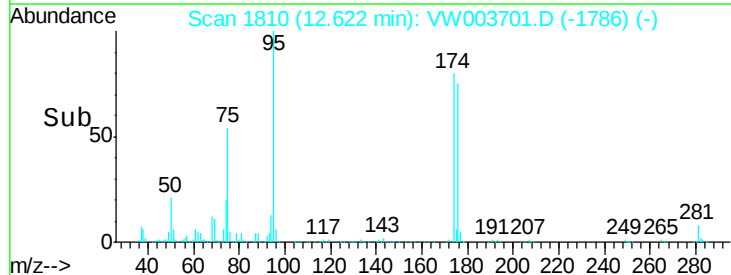
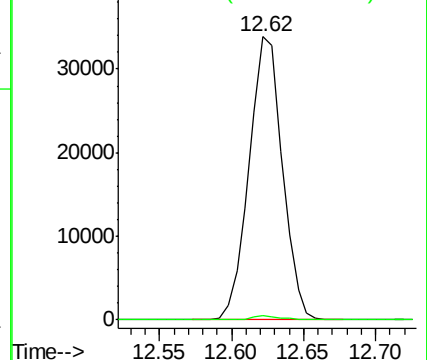
75 100

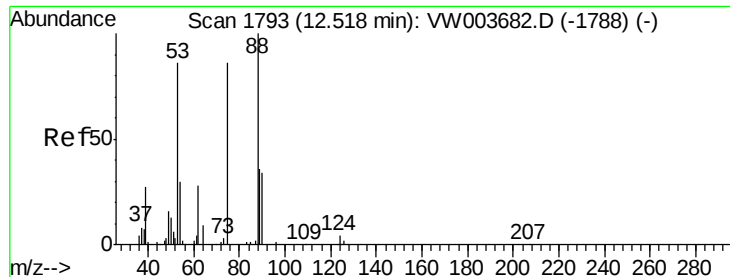
77 1.4 0.0 0.0#



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: 92.890 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003701.D

Acq: 03 Jul 2018 16:17

Instrument :

MSVOA_W

ClientSampleId :

12-60-SRI3

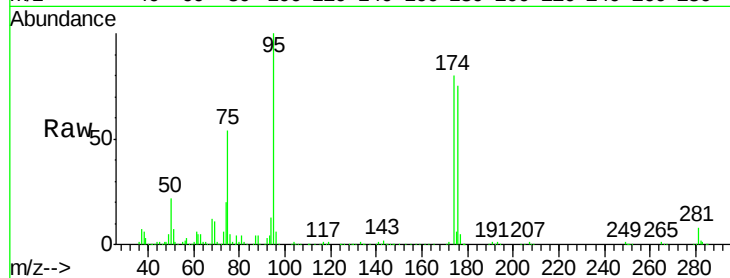
Tgt Ion: 75 Resp: 54115

Ion Ratio Lower Upper

75 100

53 0.5 82.4 123.6#

89 0.1 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

