

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003720.D
 Acq On : 05 Jul 2018 14:51
 Operator : SY/AP
 Sample : J3814-01
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:35:38 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	181509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	301825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	142757	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	108388	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	7.88	113	94367	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.33	98	313716	40.60	ug/l	0.00
Spiked Amount			Recovery	=	81.20%	
62) 4-Bromofluorobenzene	12.63	95	113908	41.03	ug/l	0.00
Spiked Amount			Recovery	=	82.06%	

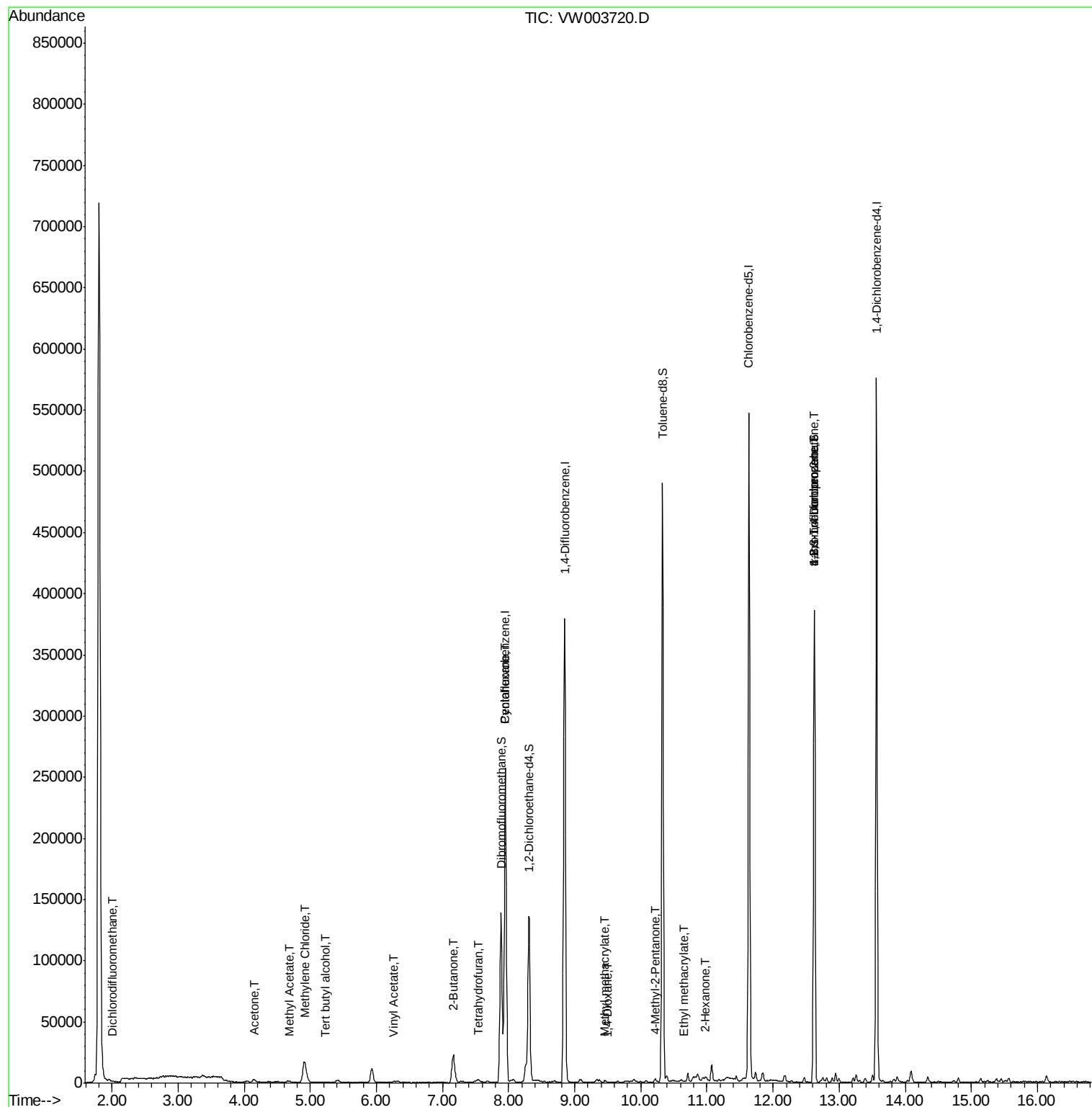
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	259	5.107	ug/l #	43
11) Tert butyl alcohol	5.23	59	261	1.928	ug/l #	71
16) Acetone	4.16	43	4857	9.403	ug/l	97
18) Methyl Acetate	4.68	43	1834	2.338	ug/l	95
20) Methylene Chloride	4.92	84	15403	4.765	ug/l	97
23) Vinyl Acetate	6.27	43	1490	14.204	ug/l #	92
25) 2-Butanone	7.17	43	2687	4.062	ug/l #	78
29) Tetrahydrofuran	7.54	42	1600	4.035	ug/l	99
31) Cyclohexane	7.95	56	5254	1.588	ug/l #	36
48) Methyl methacrylate	9.45	41	649	3.777	ug/l #	82
49) 1,4-Dioxane	9.49	88	60	3.334	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	2218	1.515	ug/l	92
56) Ethyl methacrylate	10.65	69	439	3.762	ug/l #	46
59) 2-Hexanone	10.98	43	1667	1.593	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	62571	48.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62571	103.291	ug/l #	9

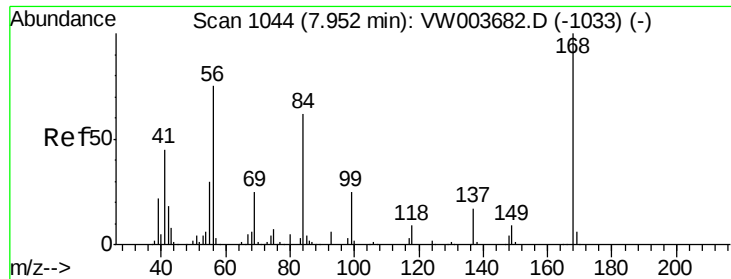
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003720.D

Acq: 05 Jul 2018 14:51

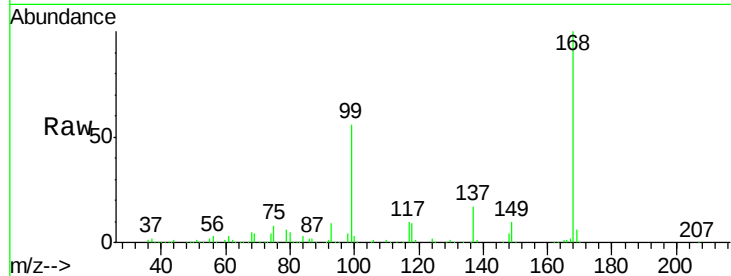
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 181509

Ion Ratio Lower Upper

168 100

99 56.3 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

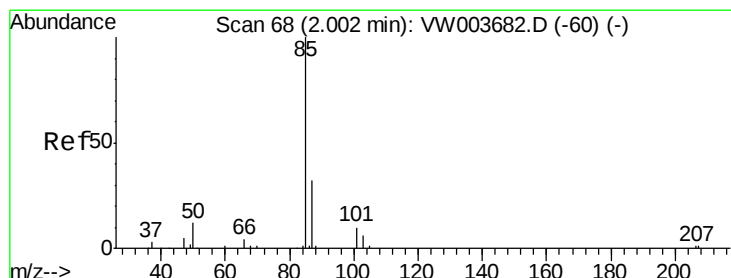
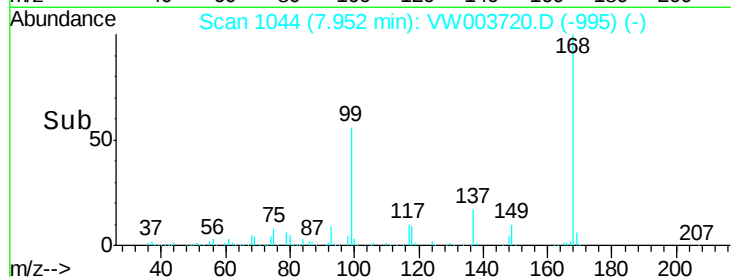
40000

20000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 5.107 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003720.D

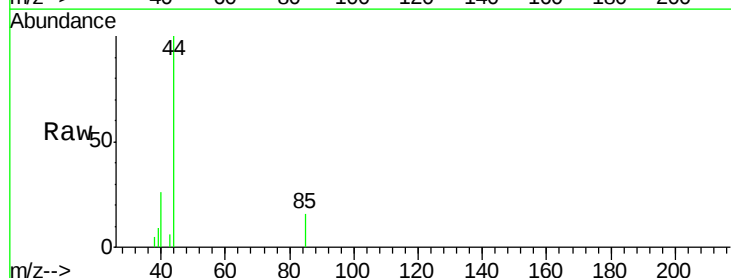
Acq: 05 Jul 2018 14:51

Tgt Ion: 85 Resp: 259

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

2.00

200

150

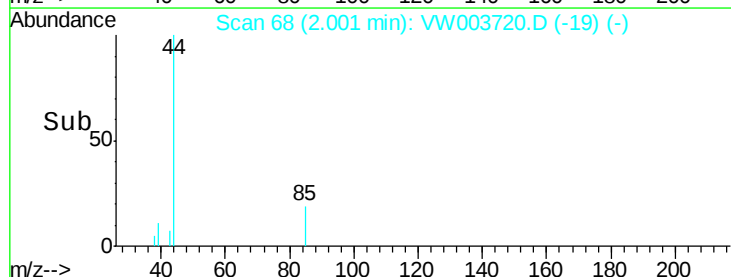
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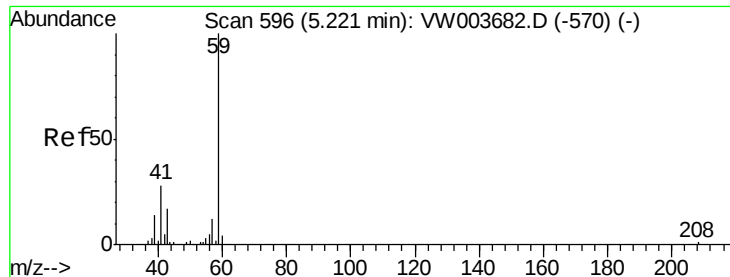
50

0

Time-->

1.96 1.98 2.00 2.02 2.04



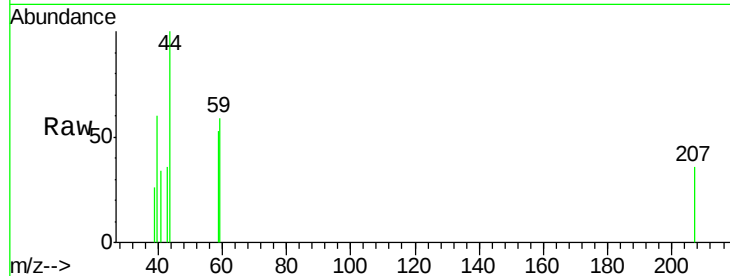


#11

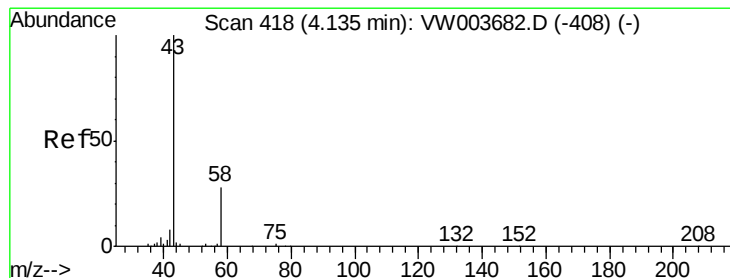
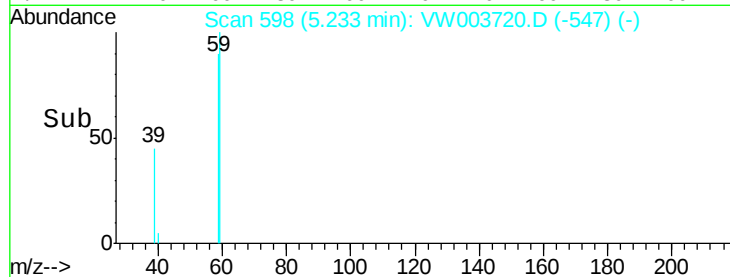
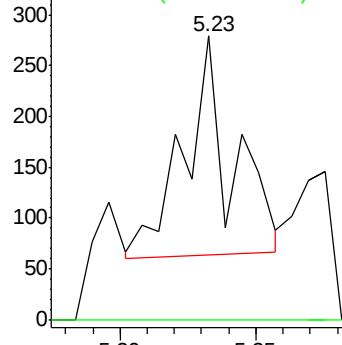
Tert butvl alcohol
 Concen: 1.928 ug/l
 RT: 5.23 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 59 Resp: 261
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#



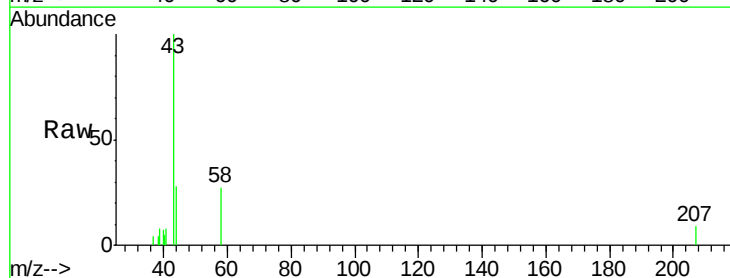
Abundance Ion 59.00 (58.70 to 59.70): VW
 Ion 57.00 (56.70 to 57.70): VW



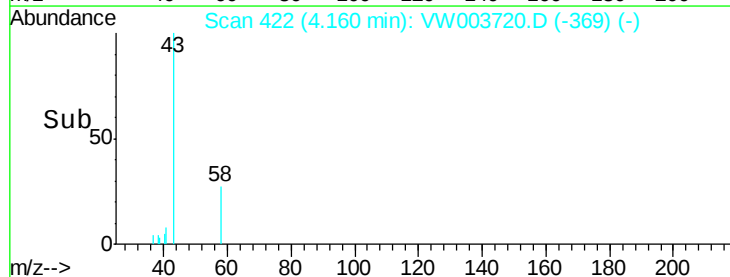
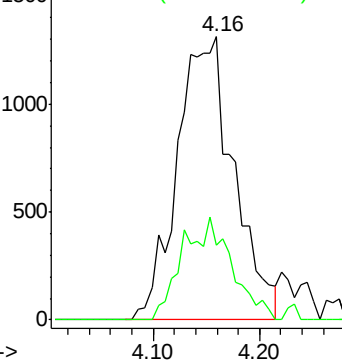
#16

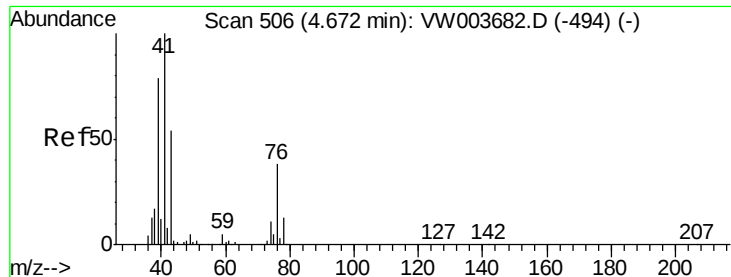
Acetone
 Concen: 9.403 ug/l
 RT: 4.16 min Scan# 422
 Delta R.T. 0.02 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

Tgt Ion: 43 Resp: 4857
 Ion Ratio Lower Upper
 43 100
 58 26.6 22.7 34.1



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

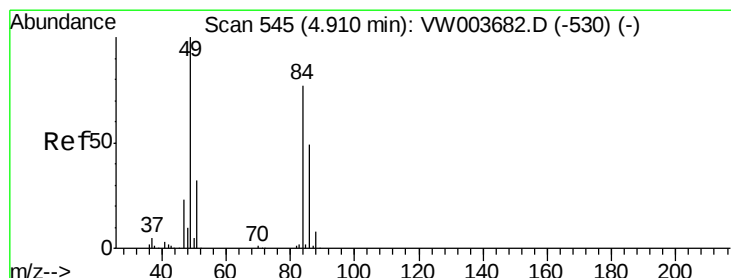
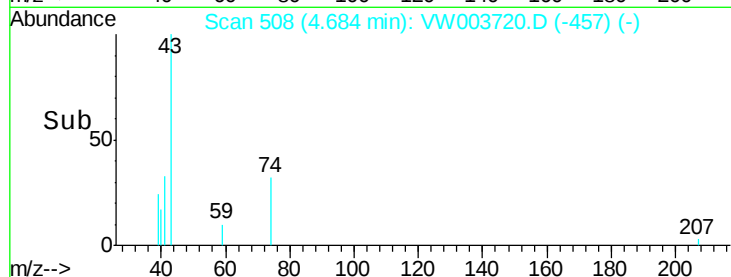
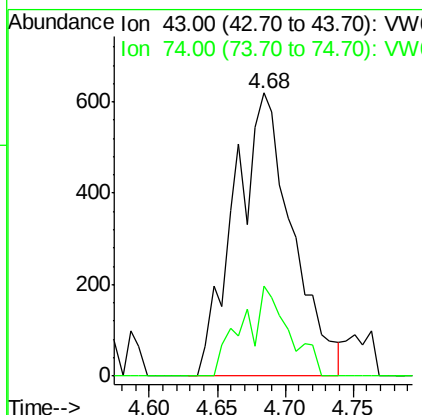
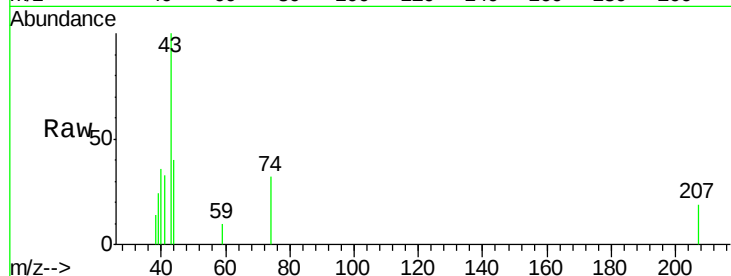




#18
Methyl Acetate
Concen: 2.338 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

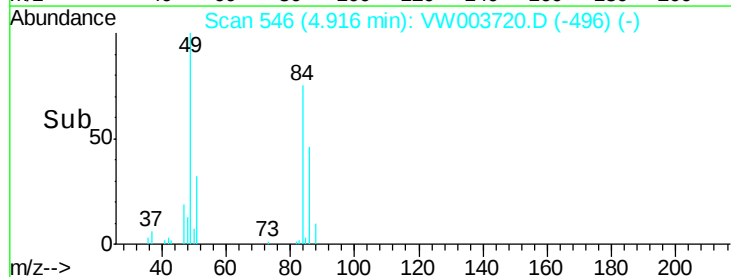
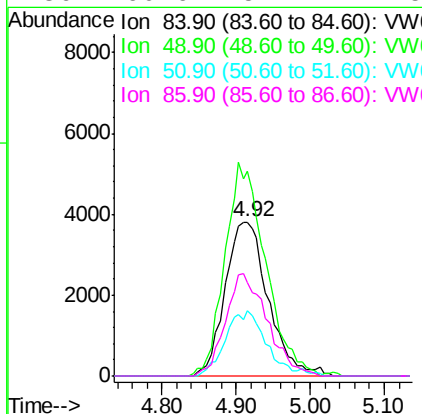
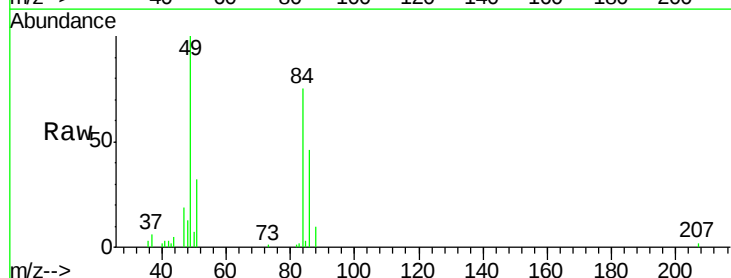
Instrument :
MSVOA_W
ClientSampleId :

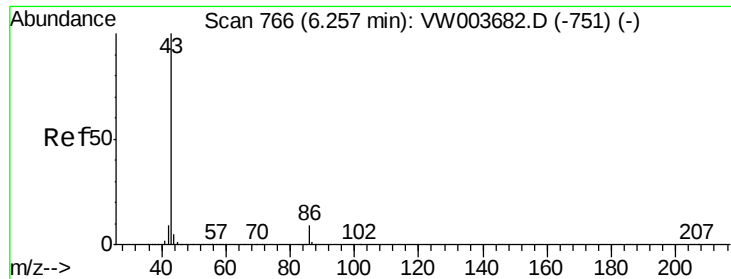
Tot Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 25.2 18.2 27.2



#20
Methylene Chloride
Concen: 4.765 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

Tgt Ion: 84 Resp: 15403
Ion Ratio Lower Upper
84 100
49 133.0 104.6 156.8
51 42.8 33.2 49.8
86 60.6 51.7 77.5

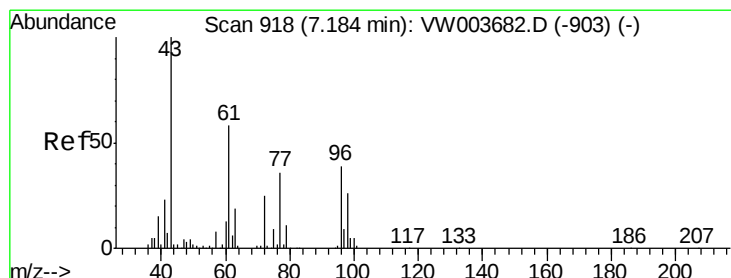
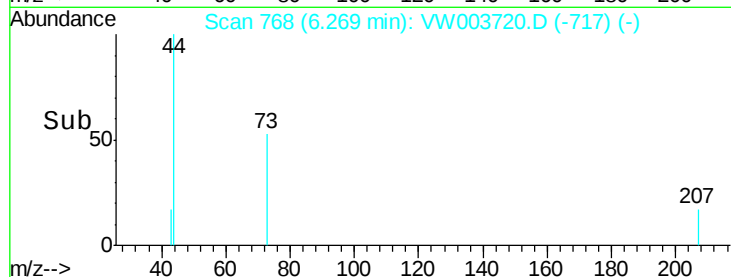
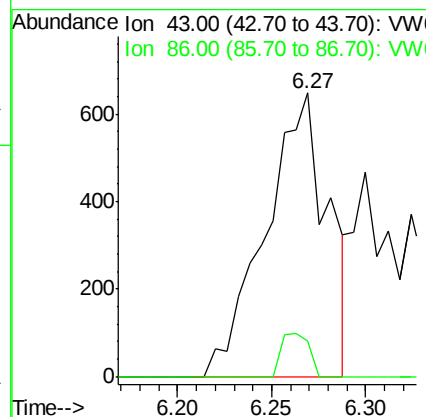
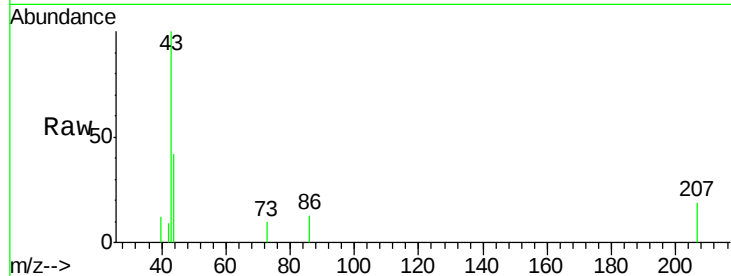




#23
 Vinyl Acetate
 Concen: 14.204 ug/l
 RT: 6.27 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

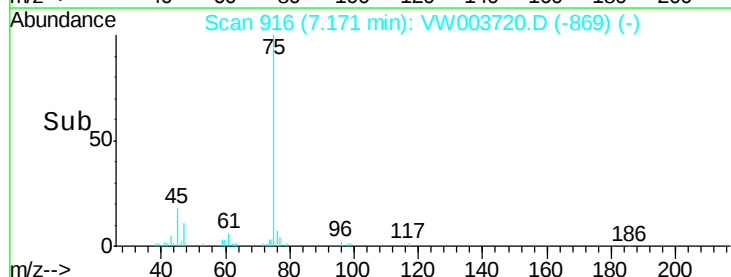
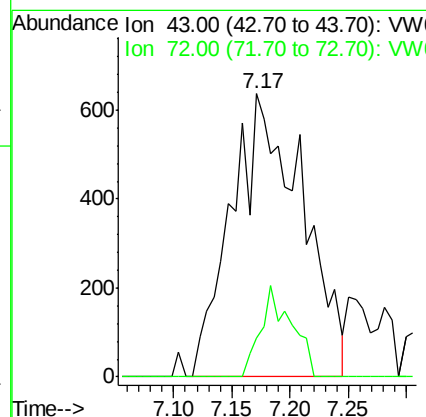
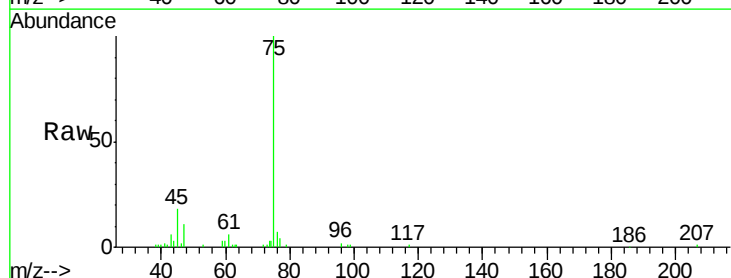
Instrument :
 MSVOA_W
 ClientSampled :

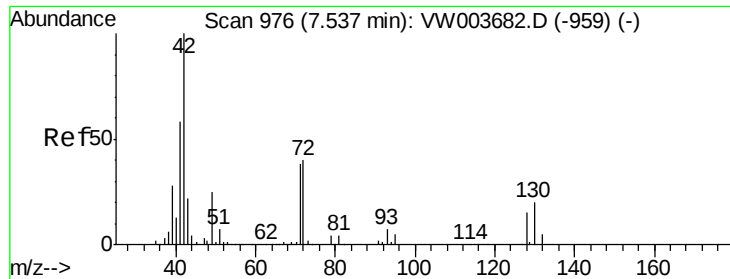
Tot Ion: 43 Resp: 1490
 Ion Ratio Lower Upper
 43 100
 86 12.5 7.5 11.3#



#25
 2-Butanone
 Concen: 4.062 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

Tgt Ion: 43 Resp: 2687
 Ion Ratio Lower Upper
 43 100
 72 14.0 20.2 30.4#

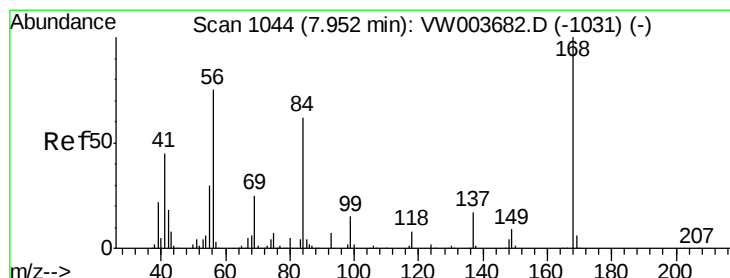
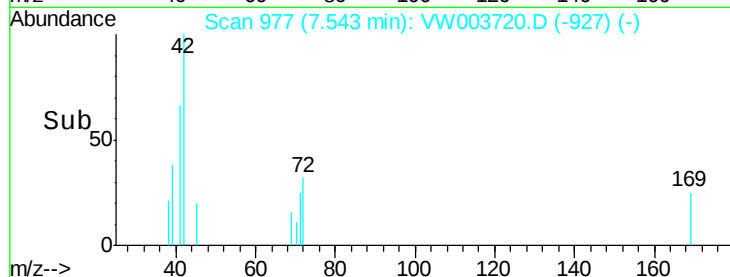
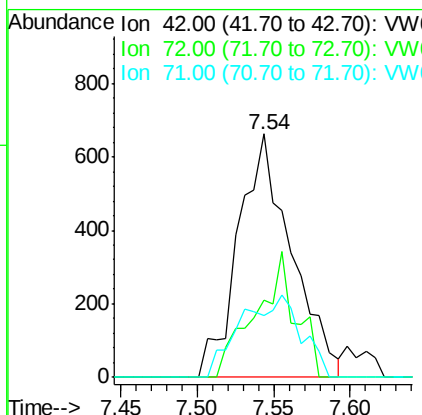
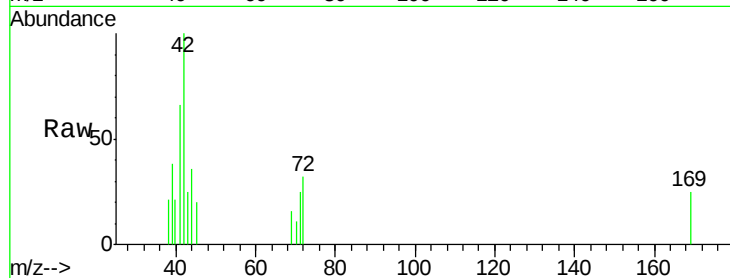




#29
Tetrahydrofuran
Concen: 4.035 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

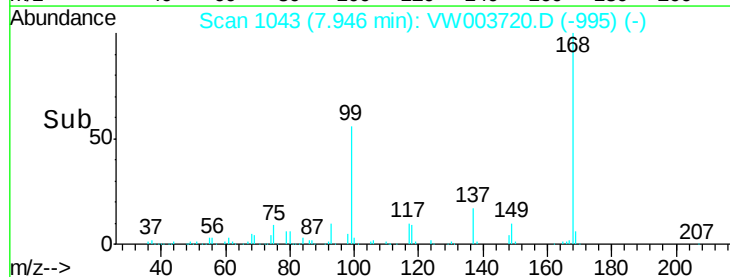
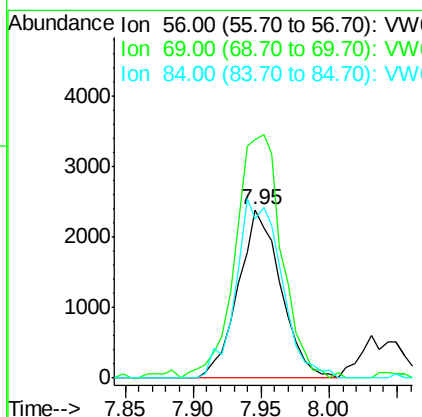
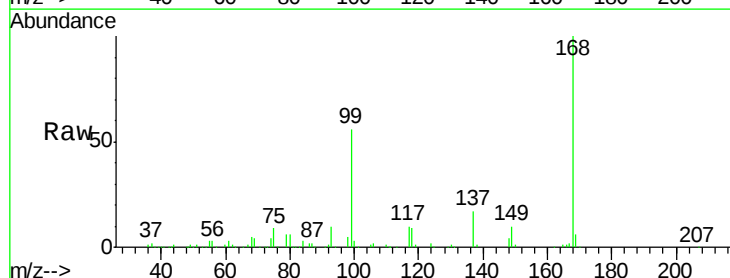
Instrument :
MSVOA_W
ClientSampleId :

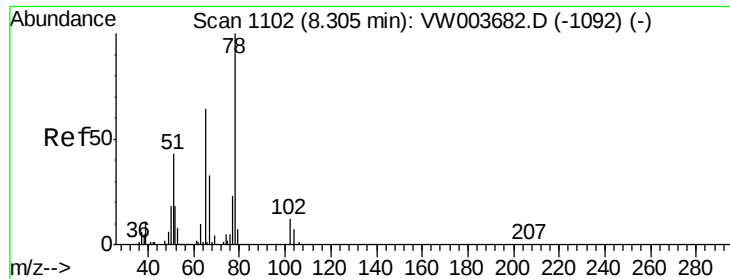
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.0	48.0
71	38.3	30.2	45.2



#31
Cyclohexane
Concen: 1.588 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	138.3	27.0	40.4#
84	94.6	65.4	98.0

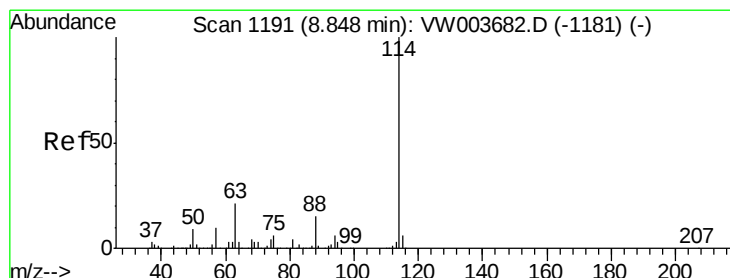
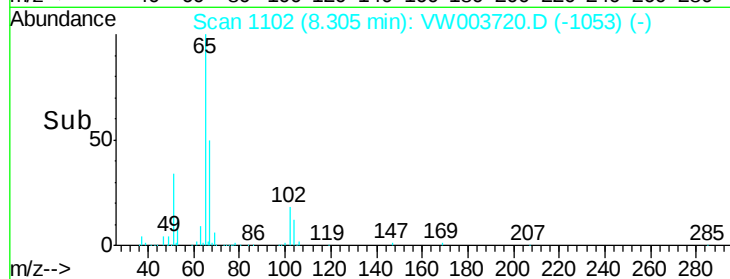
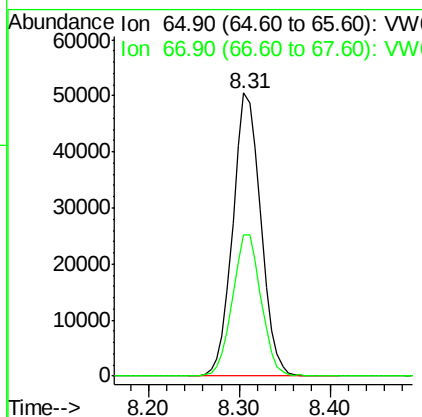
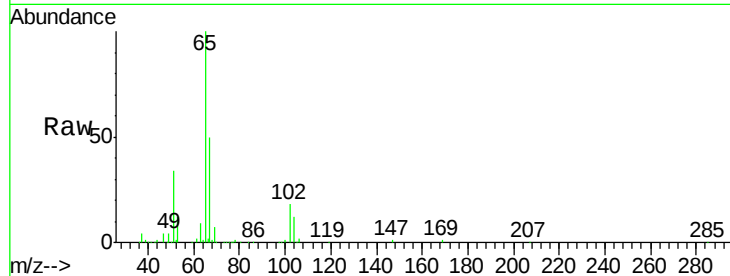




#33
 1,2-Dichloroethane-d4
 Concen: 50.088 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

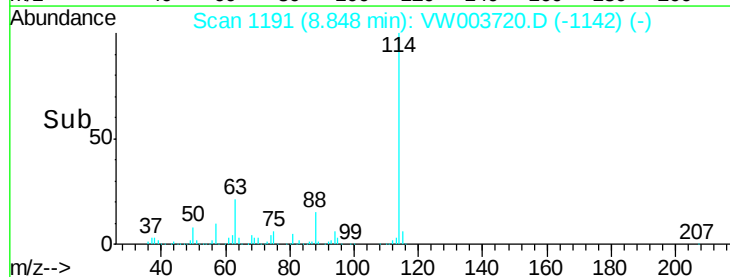
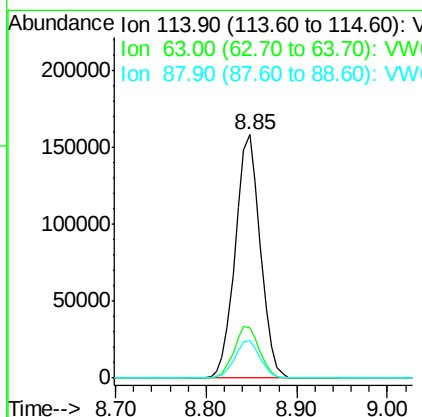
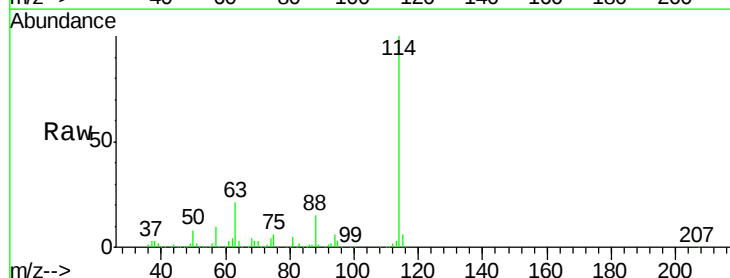
Instrument :
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 ClientSampleId :

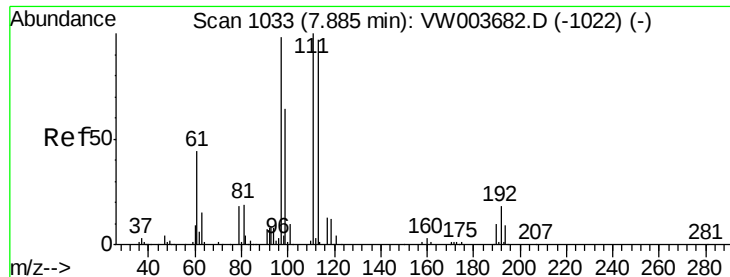
Tot Ion: 65 Resp: 108388
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

Tgt Ion: 114 Resp: 301825
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.2 0.0 29.8

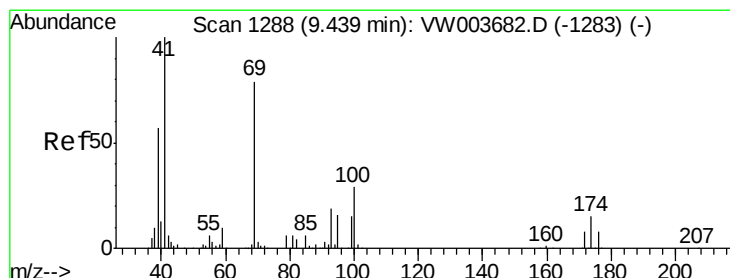
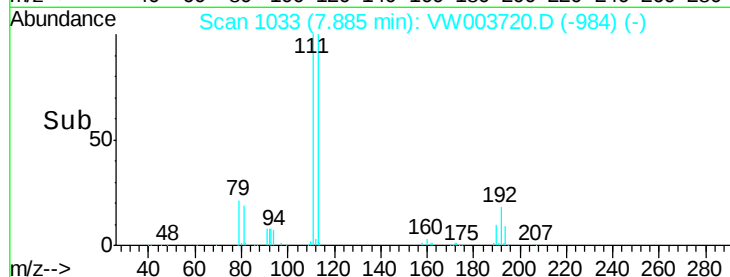
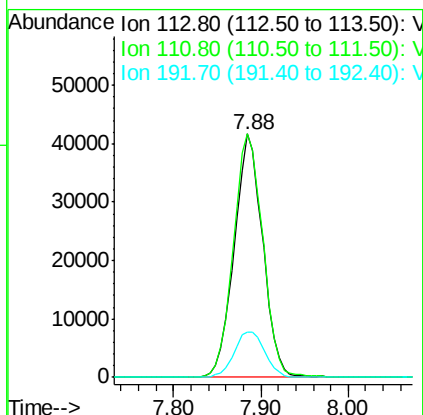
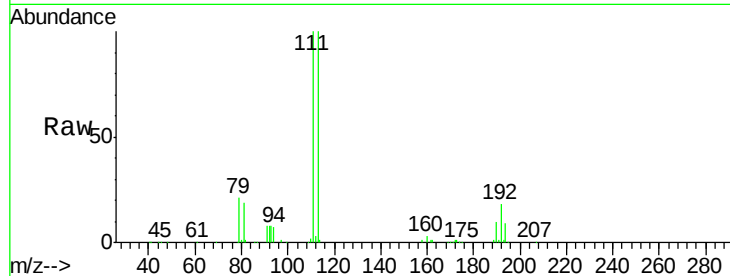




#35
 Dibromofluoromethane
 Concen: 47.938 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

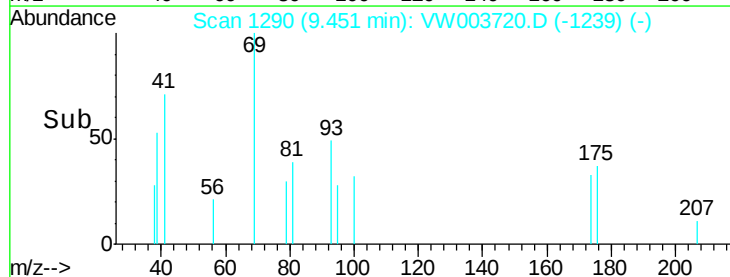
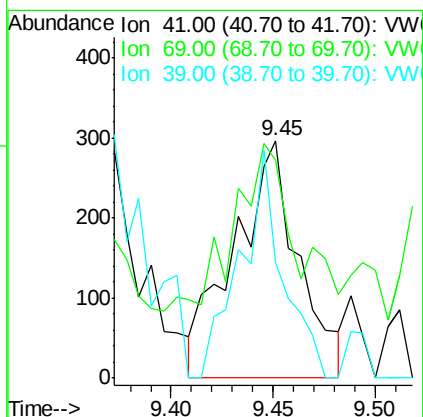
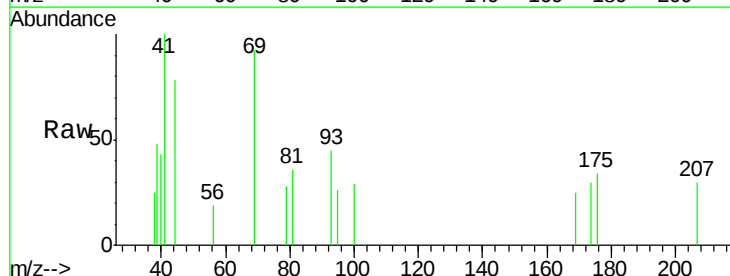
Instrument :
 MSVOA_W
 ClientSampled :

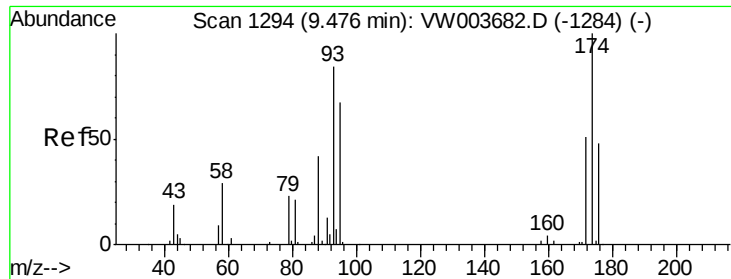
Tot Ion:113 Resp: 94367
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 20.1 15.8 23.6



#48
 Methyl methacrylate
 Concen: 3.777 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VW003720.D
 Acq: 05 Jul 2018 14:51

Tgt Ion: 41 Resp: 649
 Ion Ratio Lower Upper
 41 100
 69 54.7 65.4 98.2#
 39 63.6 50.0 75.0





#49

1,4-Dioxane

Concen: 3.334 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VW003720.D

Acq: 05 Jul 2018 14:51

Instrument :
MSVOA_W
ClientSampled :

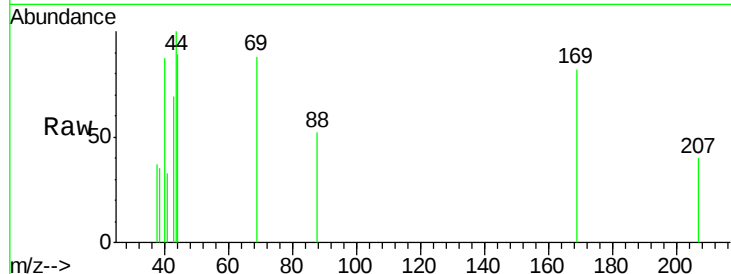
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

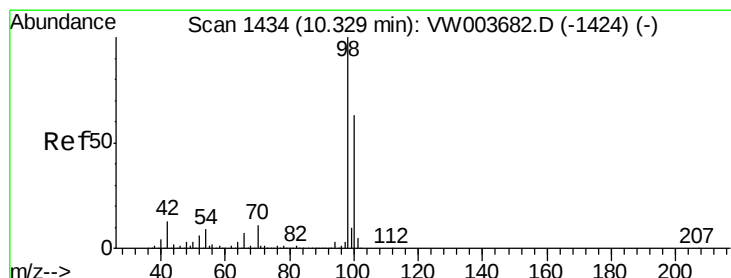
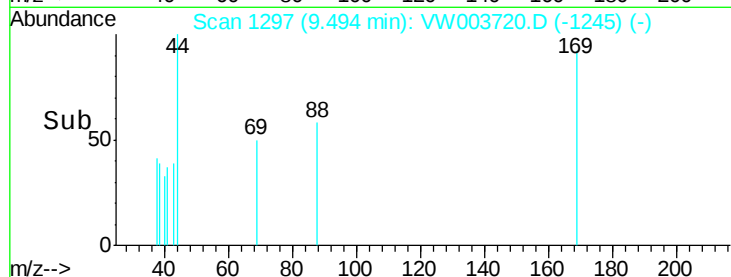
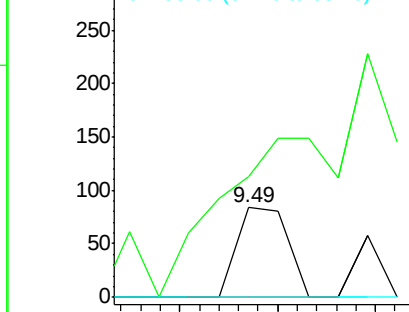
88 100

43 0.0 0.0 0.0

58 0.0 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: 40.596 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003720.D

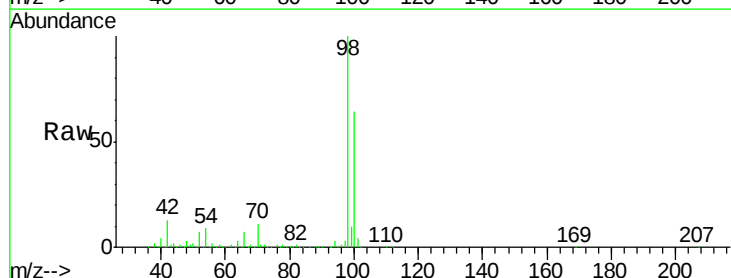
Acq: 05 Jul 2018 14:51

Tgt Ion: 98 Resp: 313716

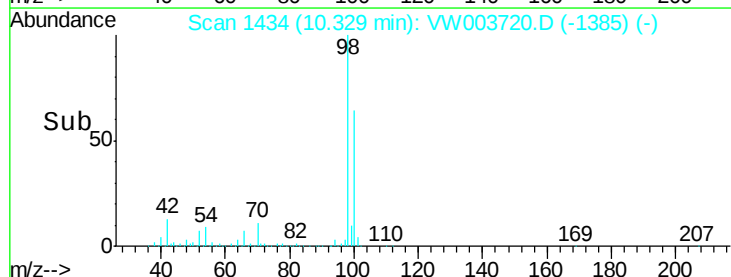
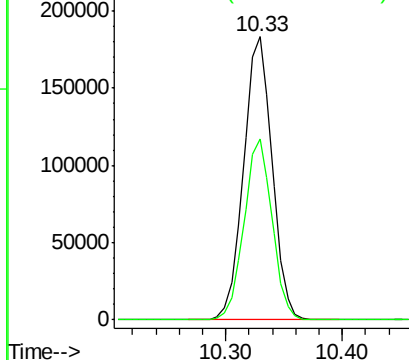
Ion Ratio Lower Upper

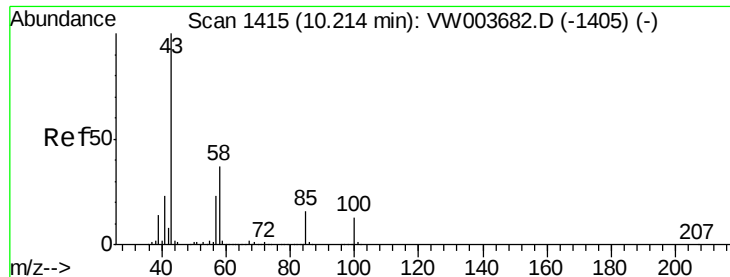
98 100

100 62.9 50.8 76.2



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

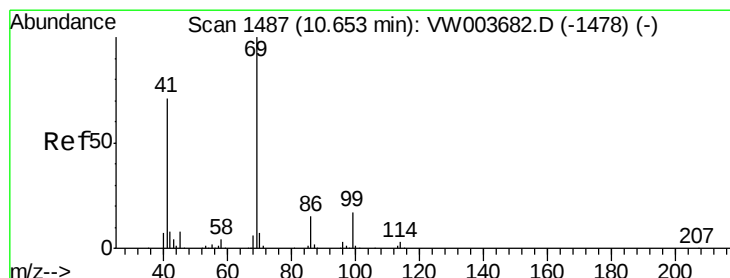
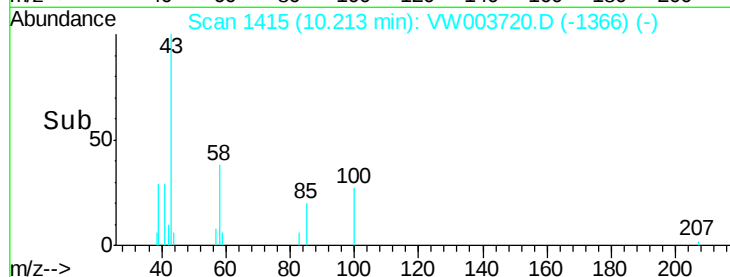
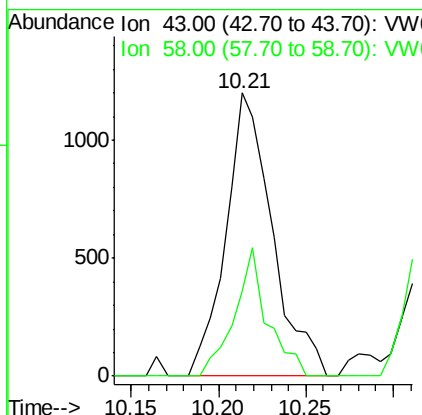
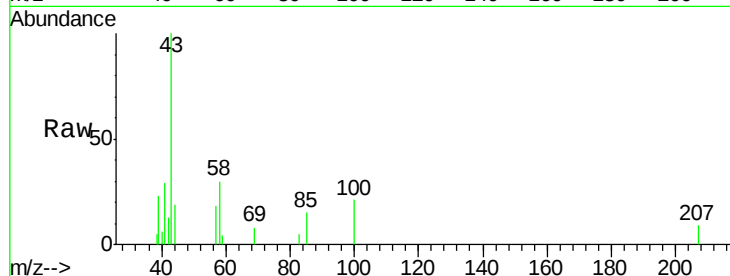




#51
4-Methyl-2-Pentanone
Concen: 1.515 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

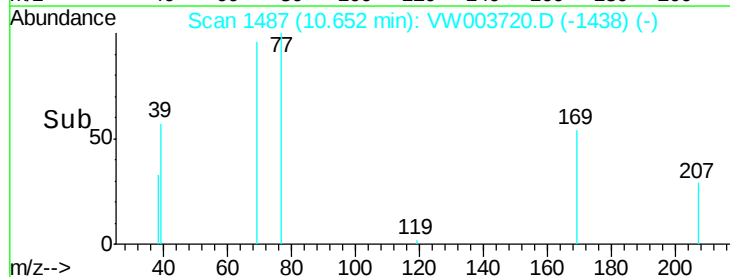
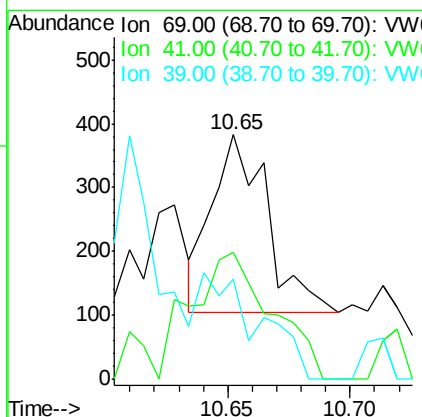
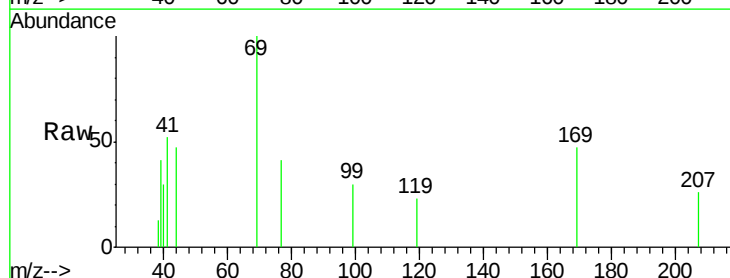
Instrument :
MSVOA_W
ClientSampled :

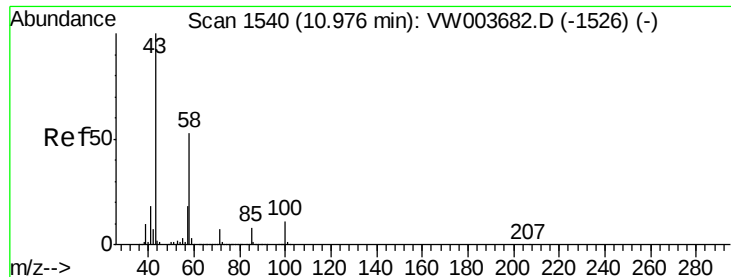
Tot Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 32.1 29.6 44.4



#56
Ethyl methacrylate
Concen: 3.762 ug/l
RT: 10.65 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

Tgt Ion: 69 Resp: 439
Ion Ratio Lower Upper
69 100
41 113.2 57.5 86.3#
39 0.0 29.4 44.0#

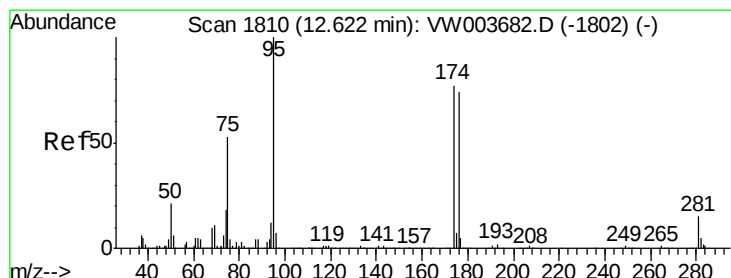
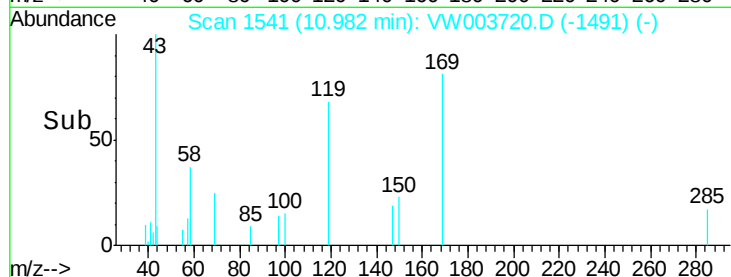
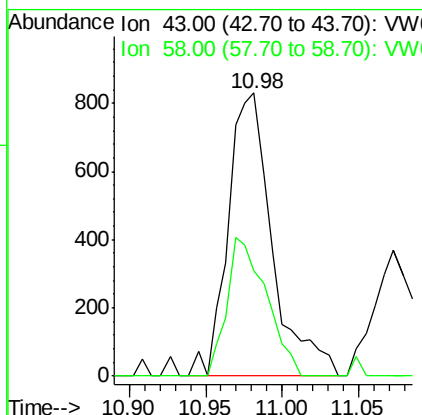
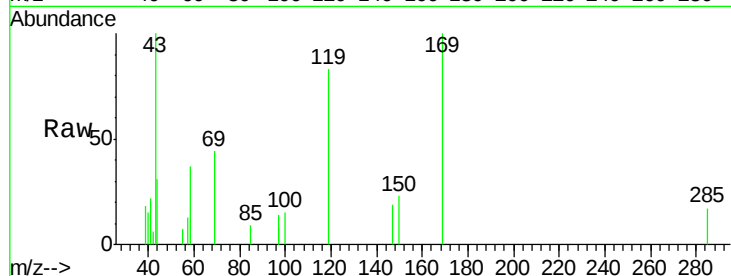




#59
2-Hexanone
Concen: 1.593 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

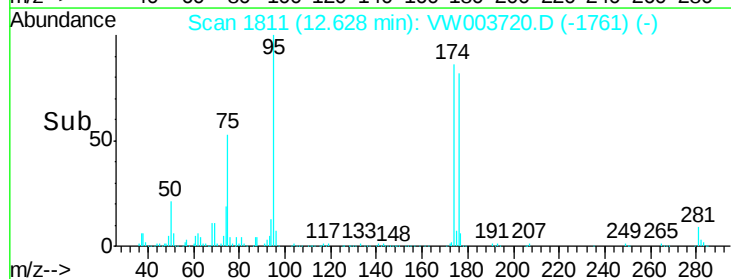
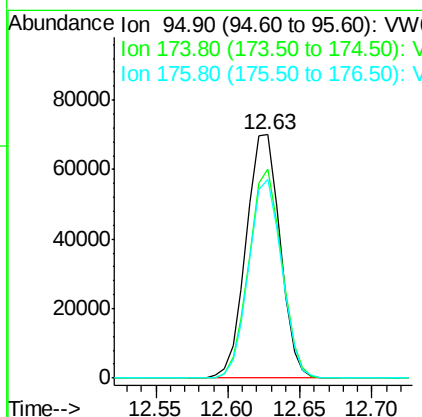
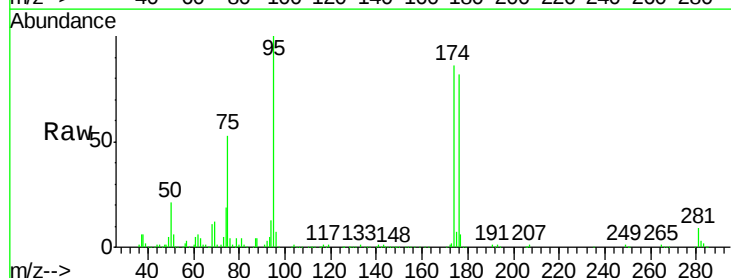
Instrument :
MSVOA_W
ClientSampleId :

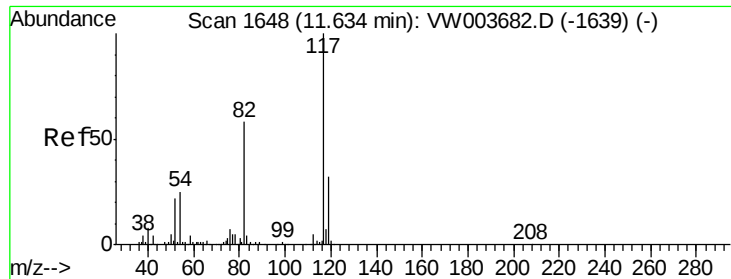
Tot Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 43.6 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 41.029 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

Tgt Ion: 95 Resp: 113908
Ion Ratio Lower Upper
95 100
174 83.2 0.0 161.2
176 79.4 0.0 155.0

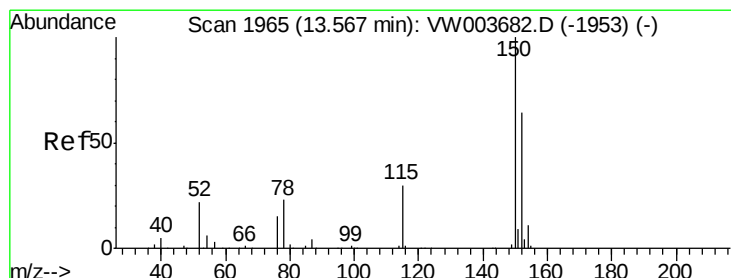
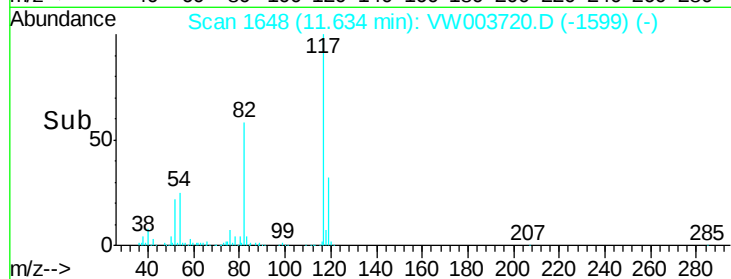
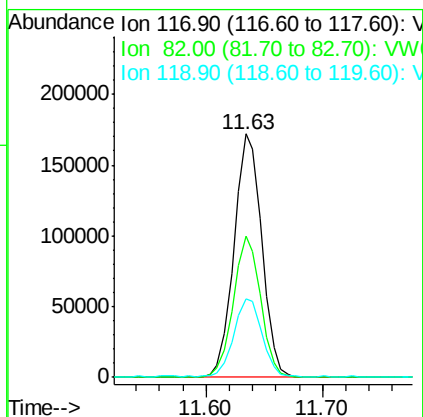
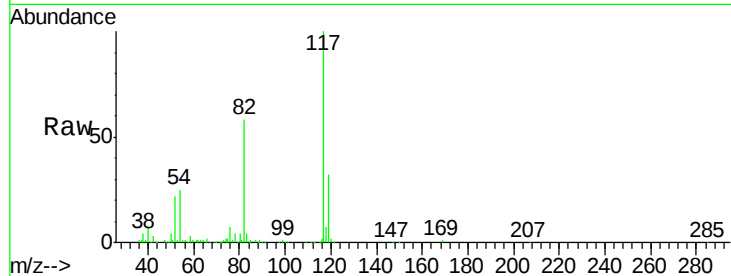




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

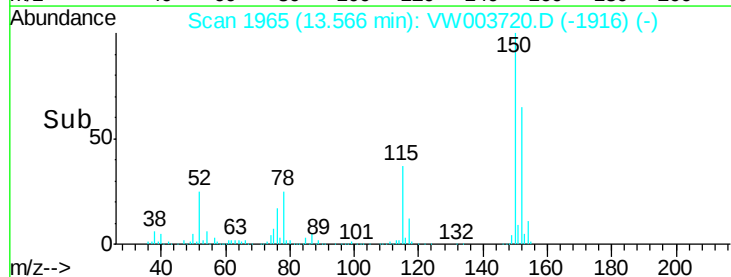
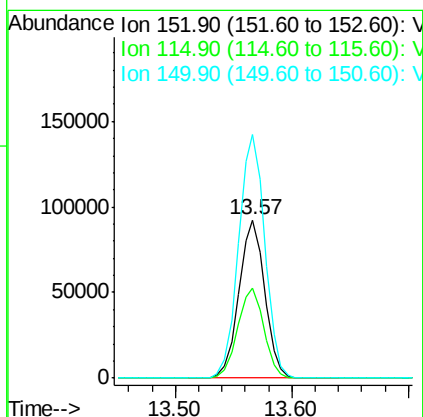
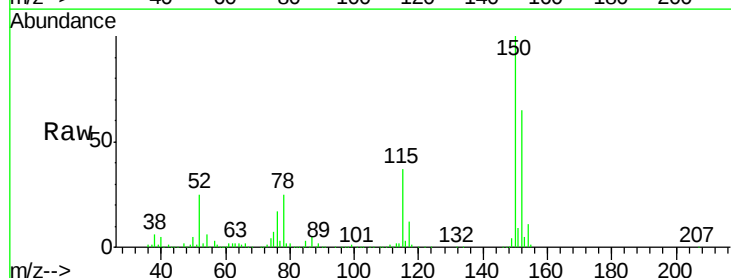
Instrument :
MSVOA_W
ClientSampled :

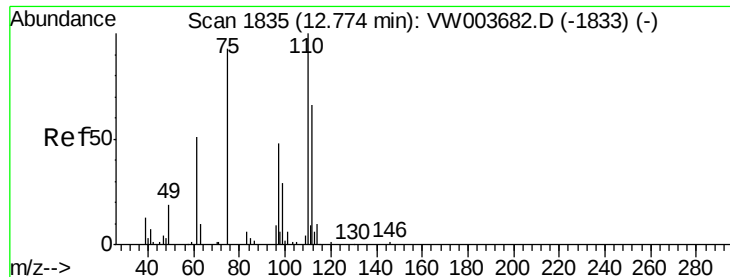
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.0	69.0
119	31.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003720.D
Acq: 05 Jul 2018 14:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.3	88.0
150	156.7	0.0	352.0





#76

1,2,3-Trichloropropane

Concen: 48.747 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003720.D

Acq: 05 Jul 2018 14:51

Instrument :

MSVOA_W

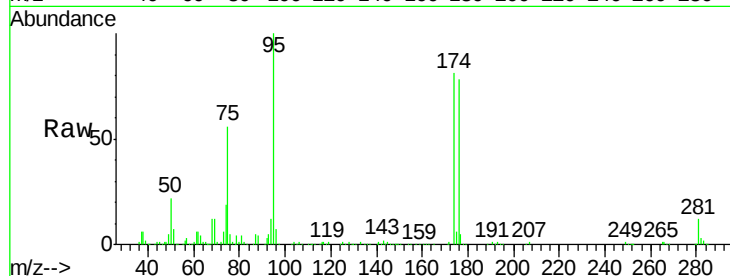
ClientSampleId :

Tot Ion: 75 Resp: 62571

Ion Ratio Lower Upper

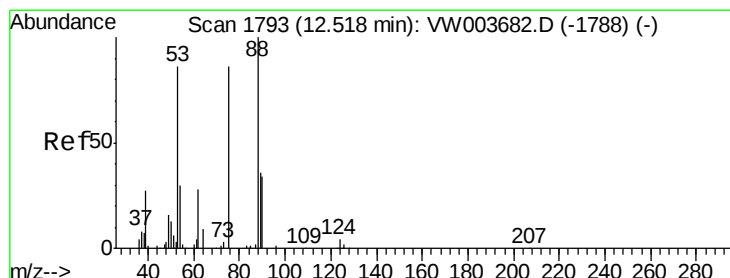
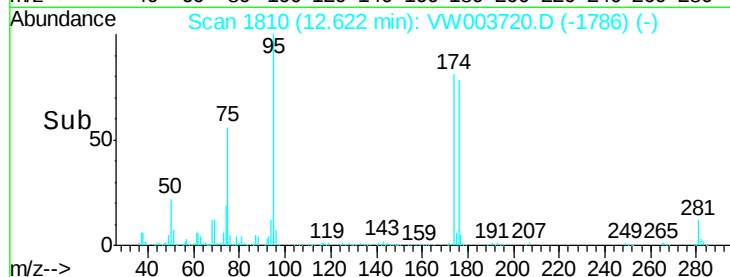
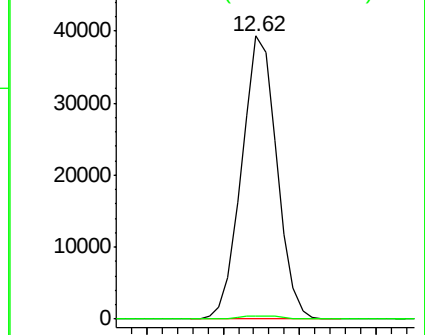
75 100

77 1.3 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: 103.291 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003720.D

Acq: 05 Jul 2018 14:51

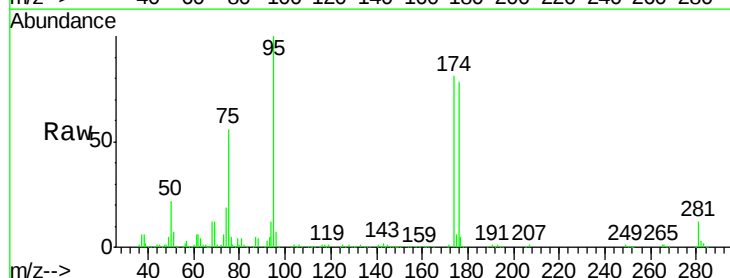
Tgt Ion: 75 Resp: 62571

Ion Ratio Lower Upper

75 100

53 0.2 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

