

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003697.D
 Acq On : 03 Jul 2018 14:32
 Operator : SY/AP
 Sample : J3245-17
 Misc : 5.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-062918-A

Quant Time: Jul 03 23:48:42 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	184319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	307960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	109044	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	107550	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.88%		
35) Dibromofluoromethane	7.88	113	91629	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.24%		
50) Toluene-d8	10.33	98	291689	36.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	73.98%		
62) 4-Bromofluorobenzene	12.62	95	92891	32.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	65.58%		

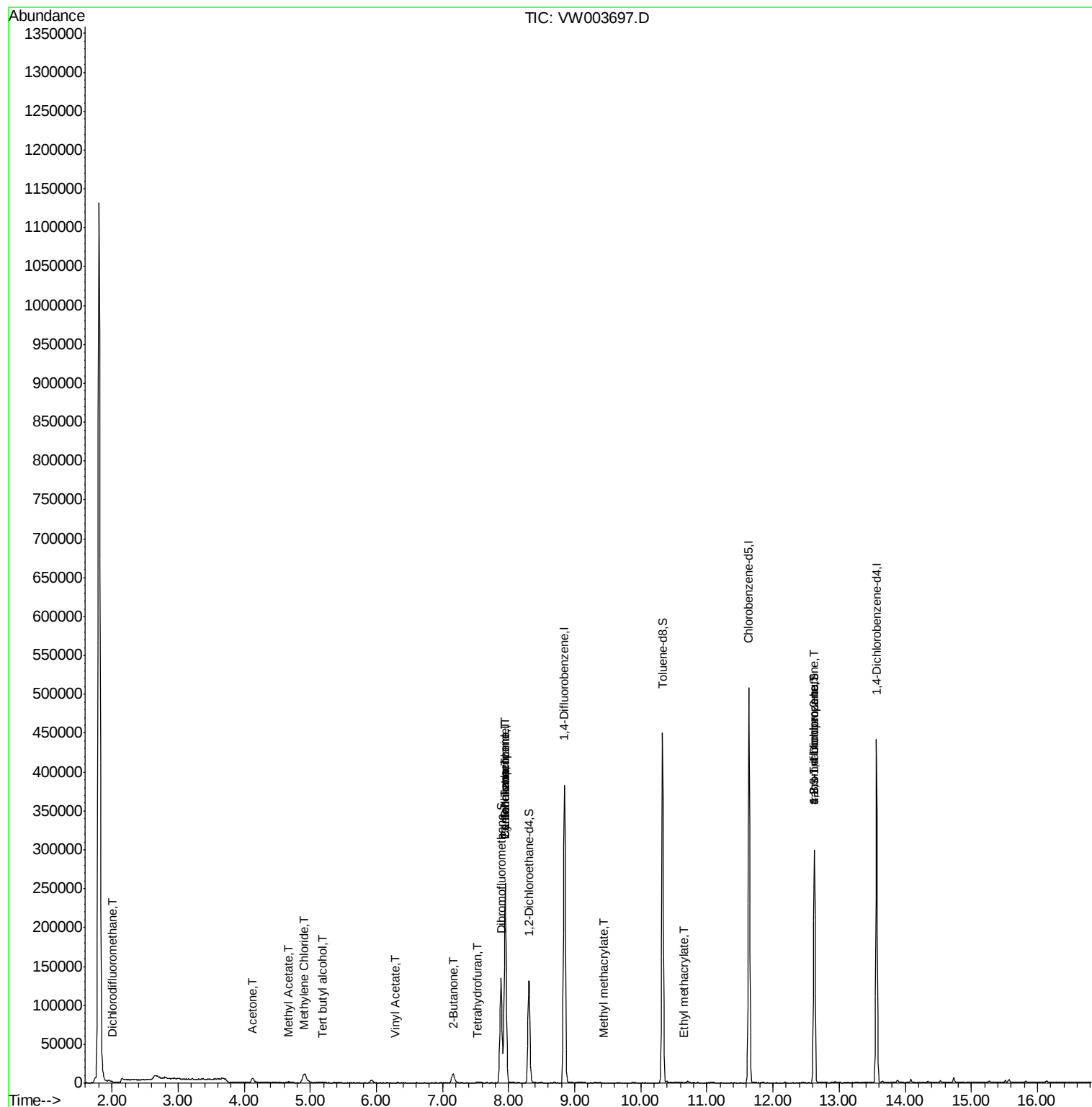
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	40	4.905	ug/l #	43
11) Tert butyl alcohol	5.20	59	646	4.698	ug/l #	71
16) Acetone	4.12	43	9888	18.850	ug/l	96
18) Methyl Acetate	4.67	43	3010	3.330	ug/l #	89
20) Methylene Chloride	4.91	84	11026	2.304	ug/l	93
23) Vinyl Acetate	6.29	43	63	13.878	ug/l #	74
25) 2-Butanone	7.15	43	980	1.459	ug/l #	50
29) Tetrahydrofuran	7.53	42	836	2.076	ug/l #	73
31) Cyclohexane	7.95	56	4502	1.340	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15690	5.075	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18890	6.423	ug/l #	20
48) Methyl methacrylate	9.45	41	47	3.393	ug/l #	13
56) Ethyl methacrylate	10.65	69	78	3.616	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	50189	51.189	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50189	108.466	ug/l #	9

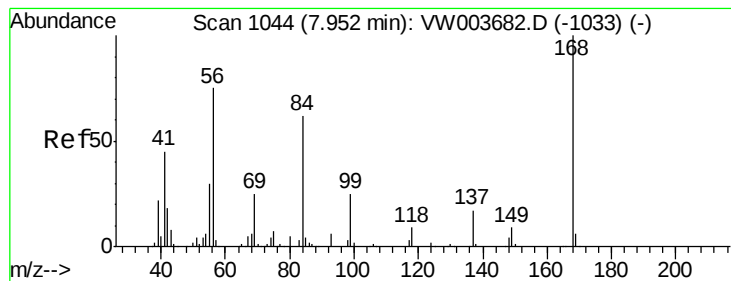
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

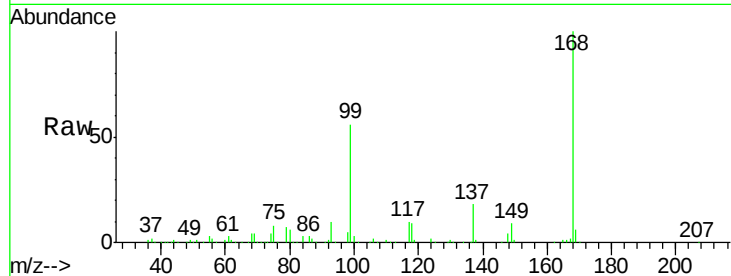
CL-01-062918-A

Tgt Ion:168 Resp: 184319

Ion Ratio Lower Upper

168 100

99 56.4 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

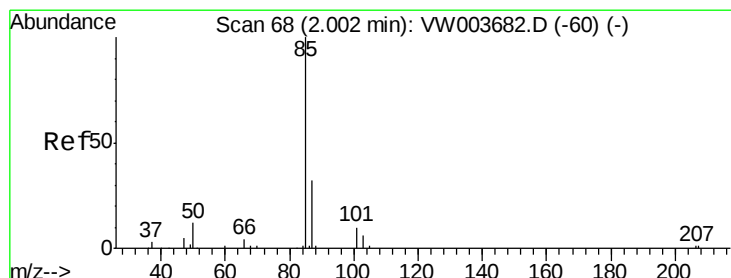
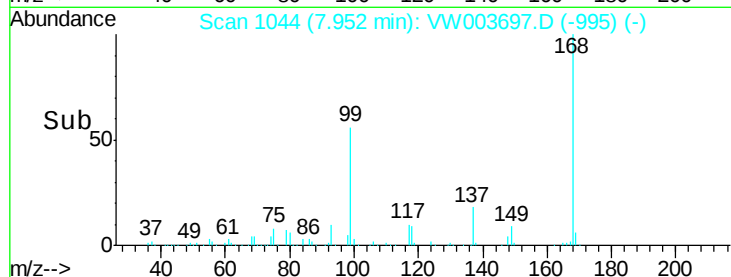
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.905 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003697.D

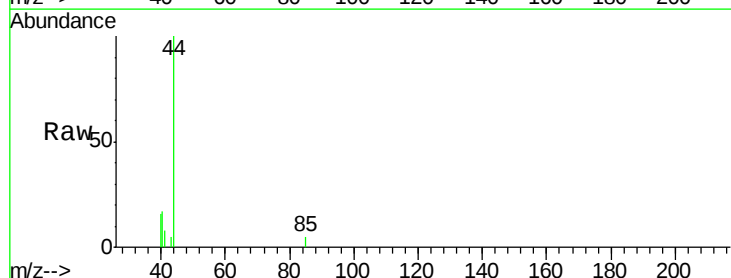
Acq: 03 Jul 2018 14:32

Tgt Ion: 85 Resp: 40

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

2.01

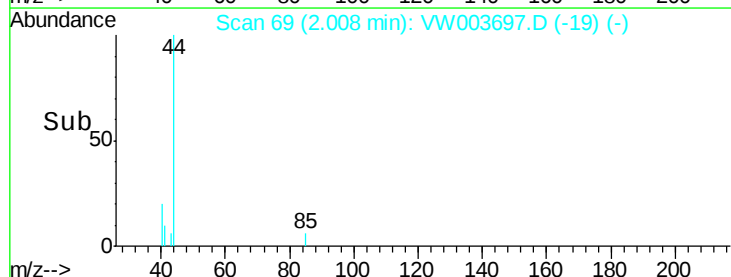
60

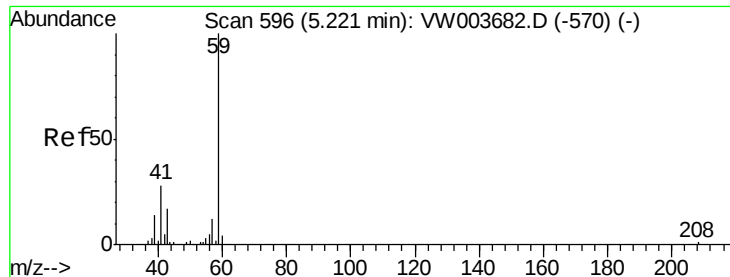
40

20

0

Time-->

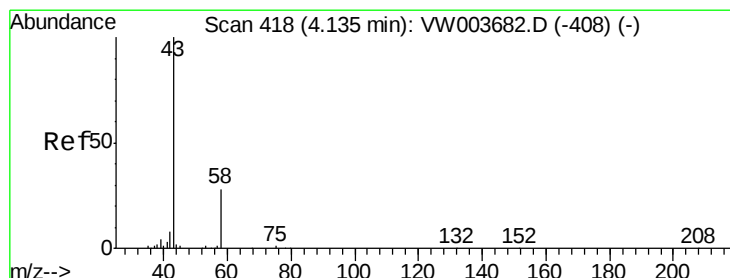
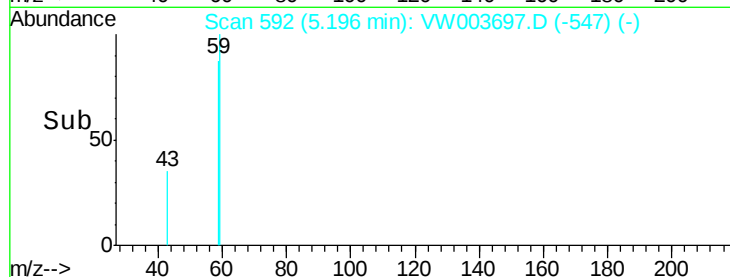
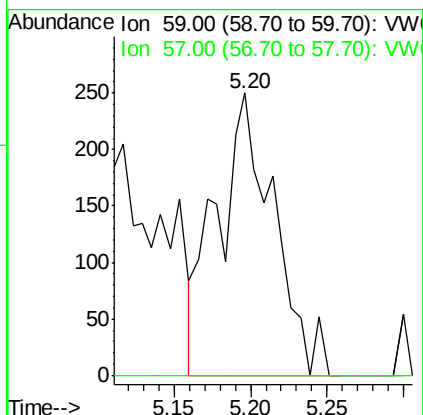
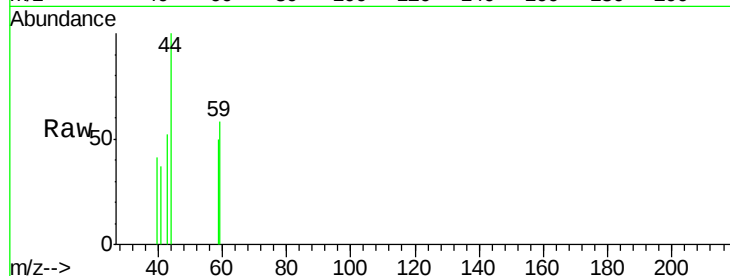




#11
Tert butyl alcohol
Concen: 4.698 ug/l
RT: 5.20 min Scan# 592
Delta R.T. -0.02 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

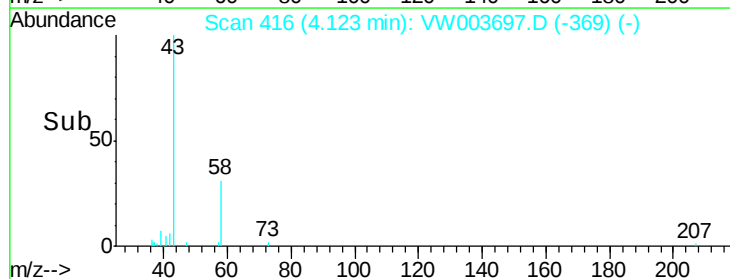
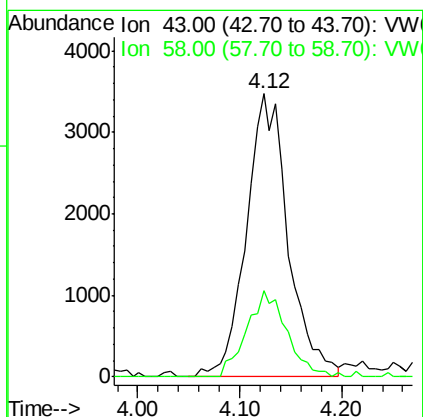
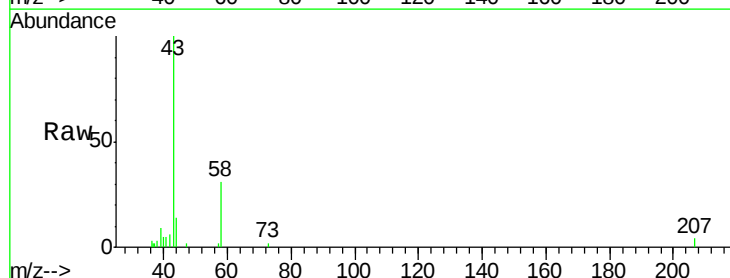
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-A

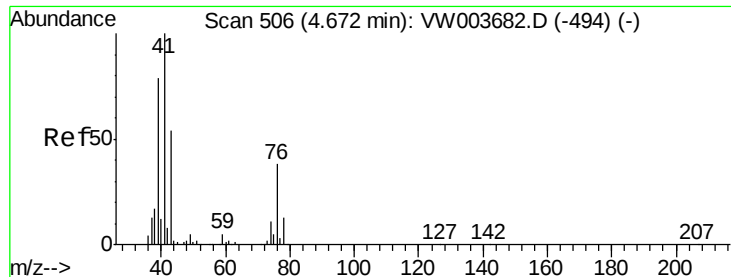
Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 18.850 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

Tgt Ion: 43 Resp: 9888
Ion Ratio Lower Upper
43 100
58 30.5 22.7 34.1

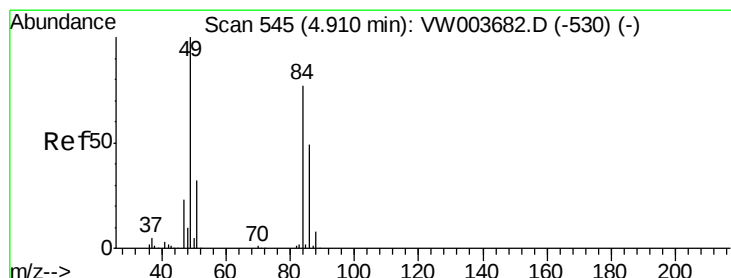
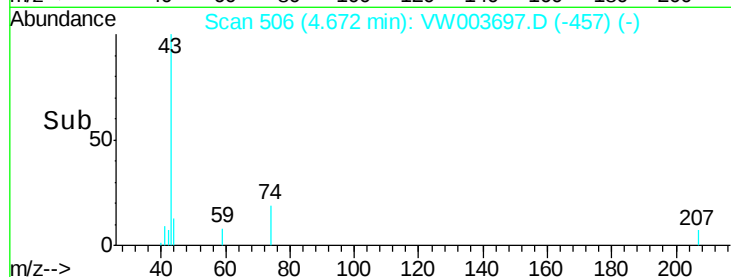
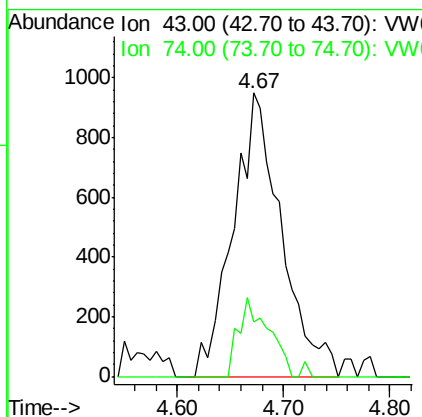
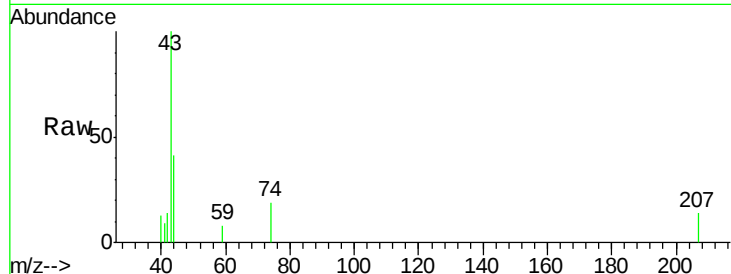




#18
Methyl Acetate
Concen: 3.330 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

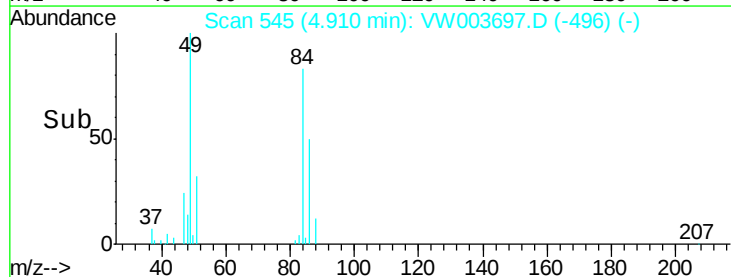
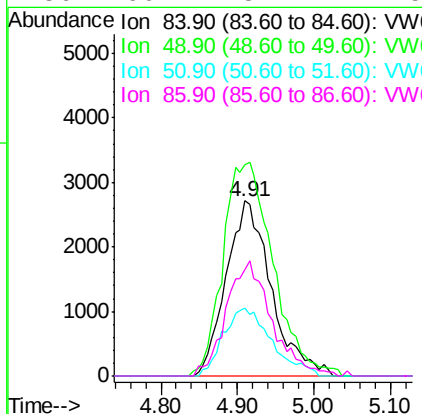
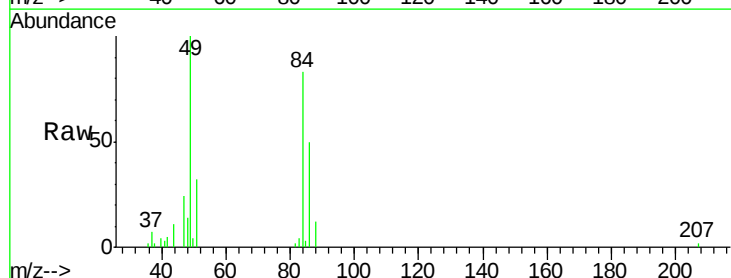
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-A

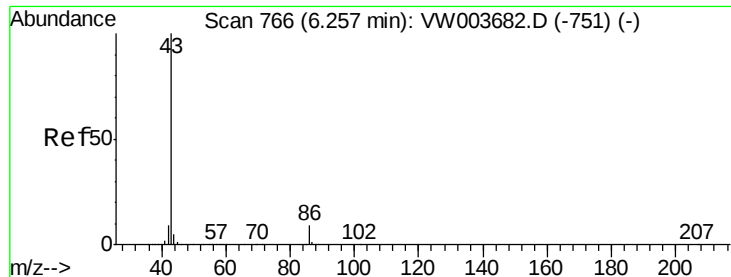
Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
74 17.4 18.2 27.2#



#20
Methylene Chloride
Concen: 2.304 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

Tgt Ion: 84 Resp: 11026
Ion Ratio Lower Upper
84 100
49 120.4 104.6 156.8
51 38.6 33.2 49.8
86 60.4 51.7 77.5





#23

Vinyl Acetate

Concen: 13.878 ug/l

RT: 6.29 min Scan# 772

Delta R.T. 0.04 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

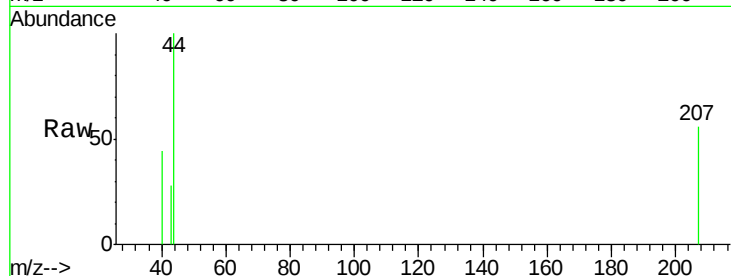
CL-01-062918-A

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

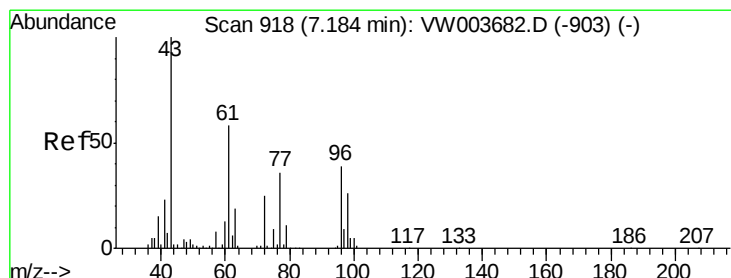
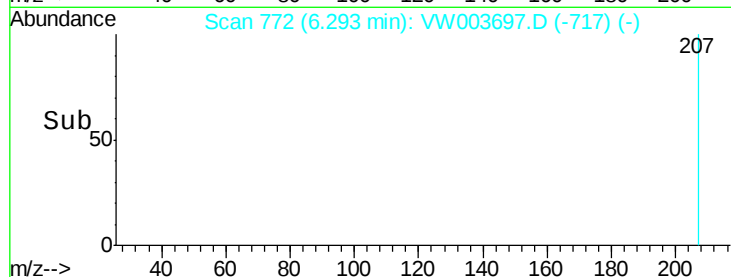
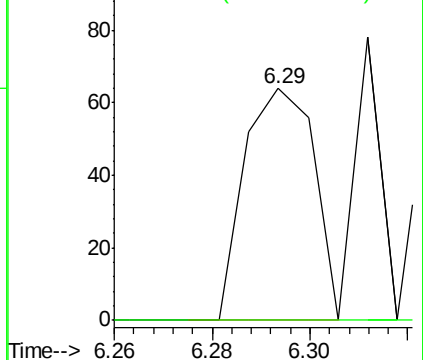
43 100

86 0.0 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: 1.459 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003697.D

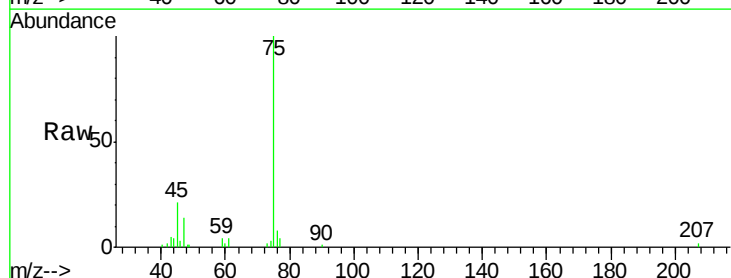
Acq: 03 Jul 2018 14:32

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

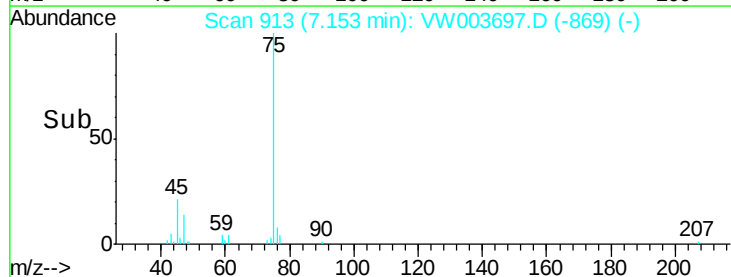
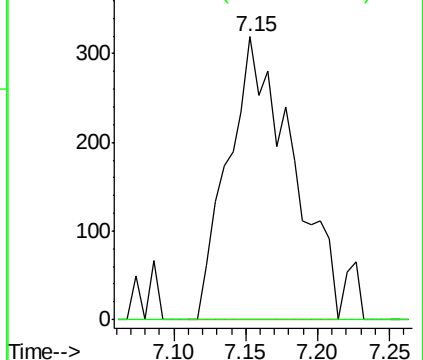
43 100

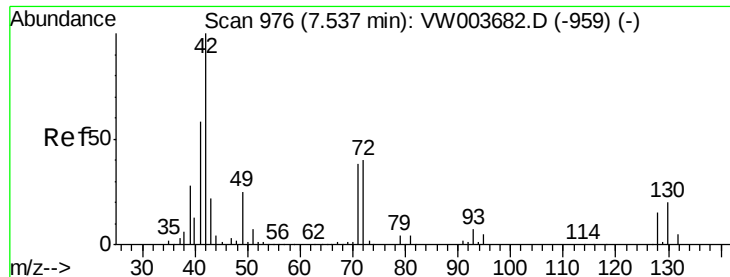
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.076 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

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ClientSampleId :

CL-01-062918-A

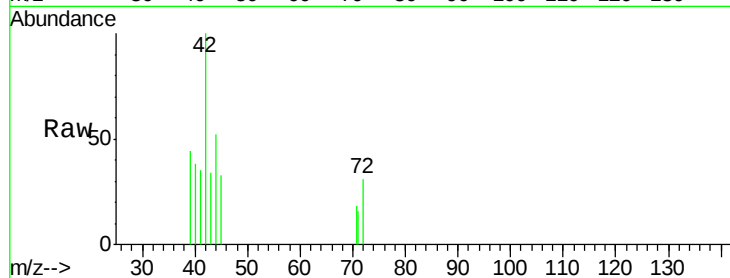
Tgt Ion: 42 Resp: 836

Ion Ratio Lower Upper

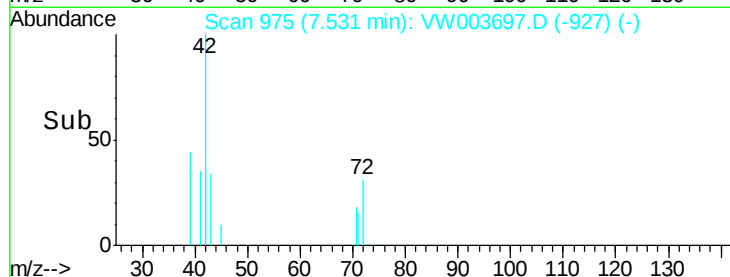
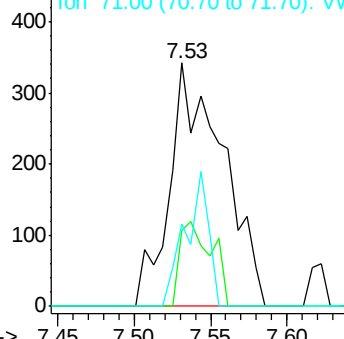
42 100

72 21.1 32.0 48.0#

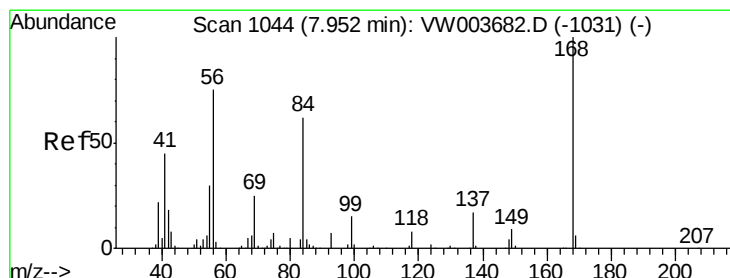
71 24.0 30.2 45.2#



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



Time-->



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

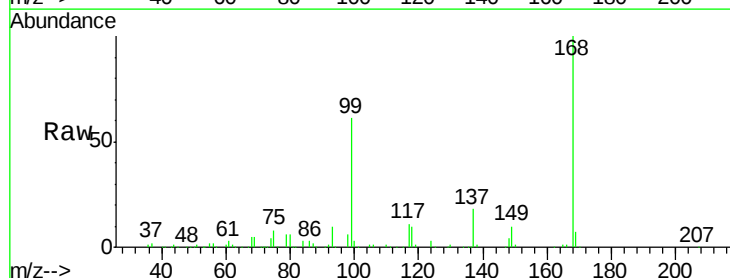
Tgt Ion: 56 Resp: 4502

Ion Ratio Lower Upper

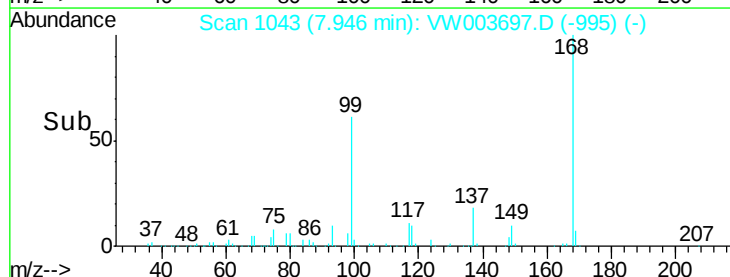
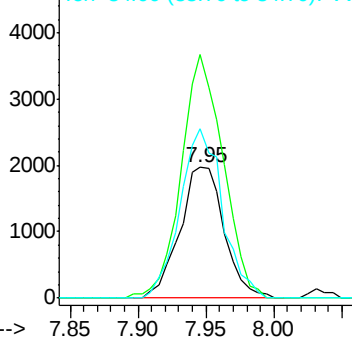
56 100

69 186.4 27.0 40.4#

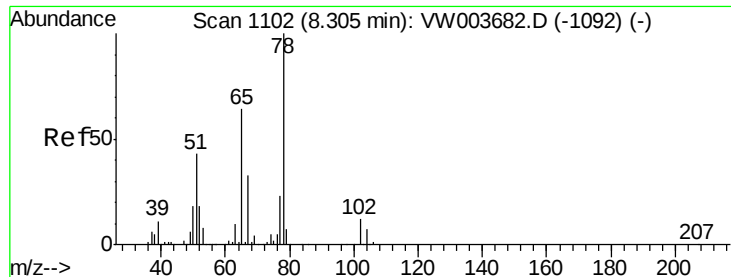
84 130.0 65.4 98.0#



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



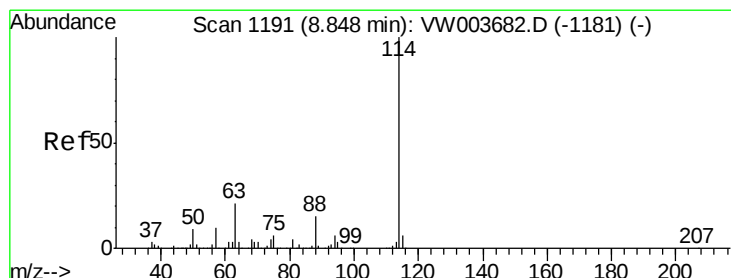
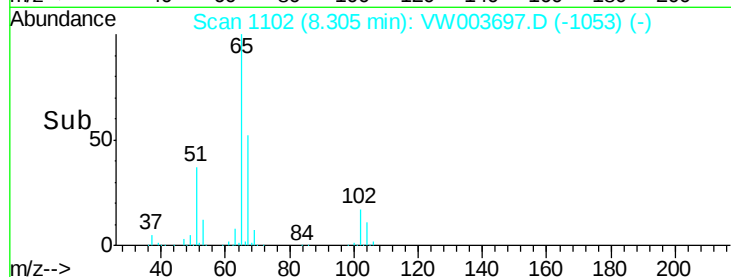
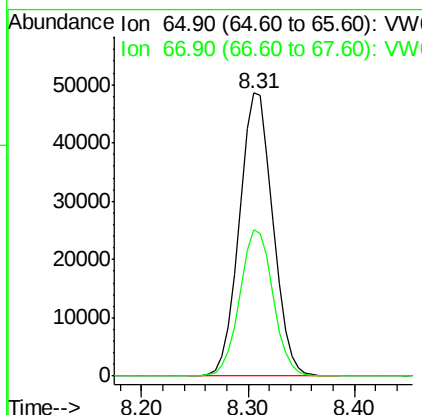
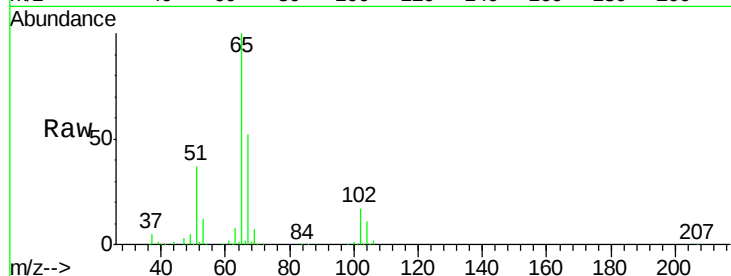
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.943 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003697.D
 Acq: 03 Jul 2018 14:32

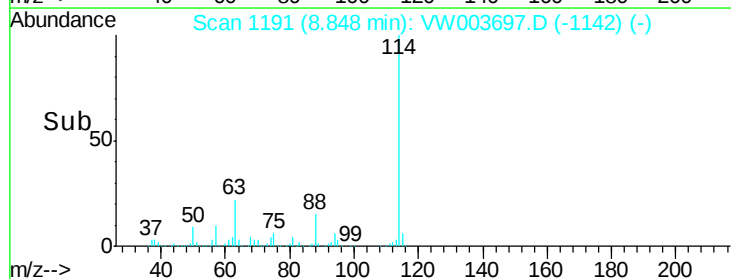
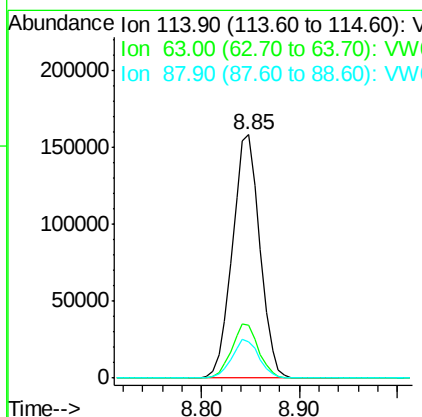
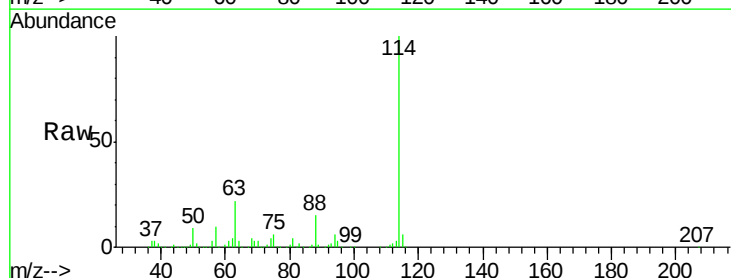
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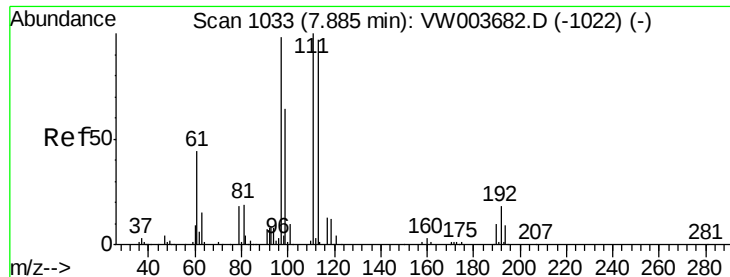
Tgt Ion: 65 Resp: 107550
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003697.D
 Acq: 03 Jul 2018 14:32

Tgt Ion: 114 Resp: 307960
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.6
 88 14.8 0.0 29.8

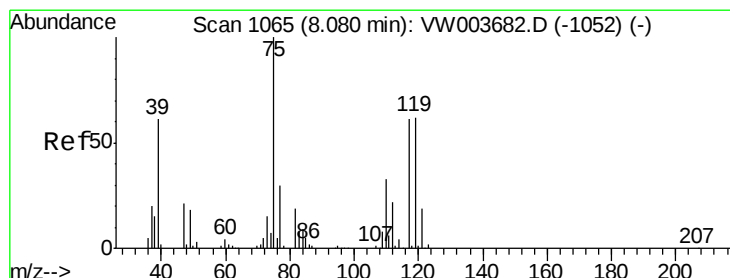
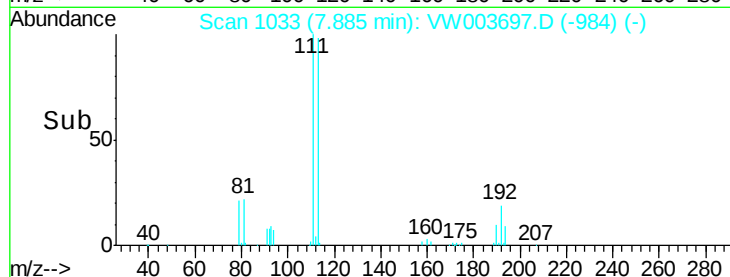
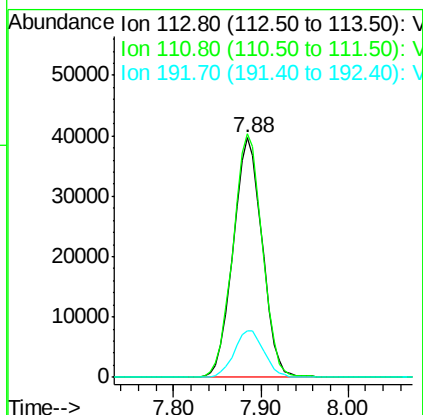
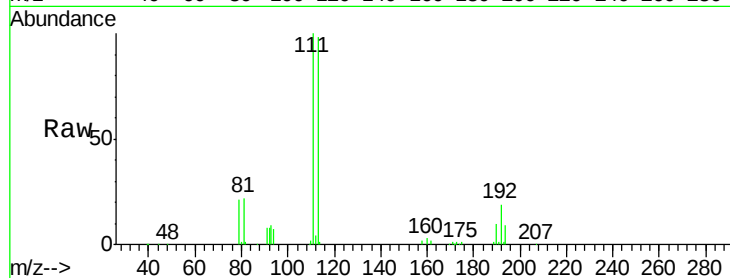




#35
 Dibromofluoromethane
 Concen: 45.620 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003697.D
 Acq: 03 Jul 2018 14:32

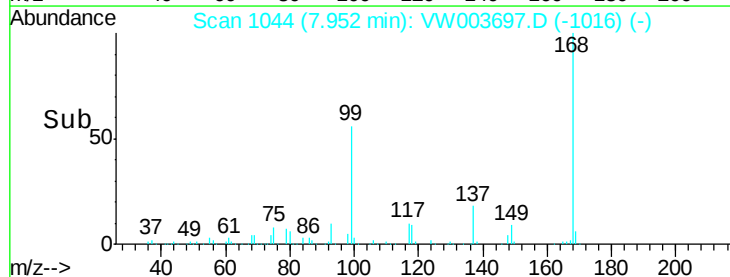
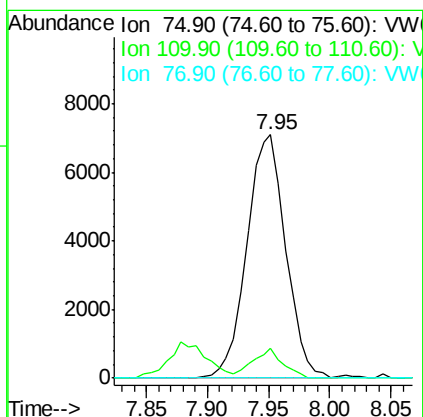
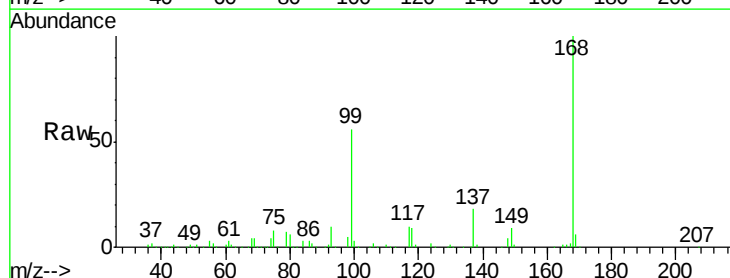
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 CL-01-062918-A

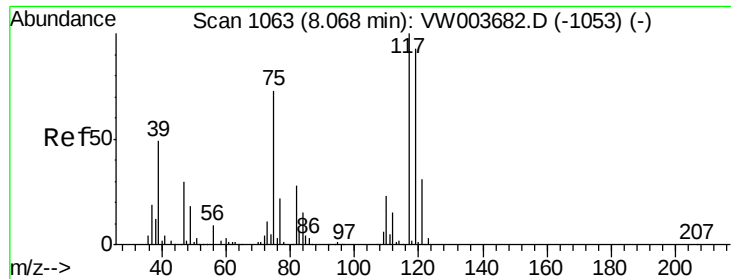
Tgt Ion: 113 Resp: 91629
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 20.1 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.075 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003697.D
 Acq: 03 Jul 2018 14:32

Tgt Ion: 75 Resp: 15690
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-A

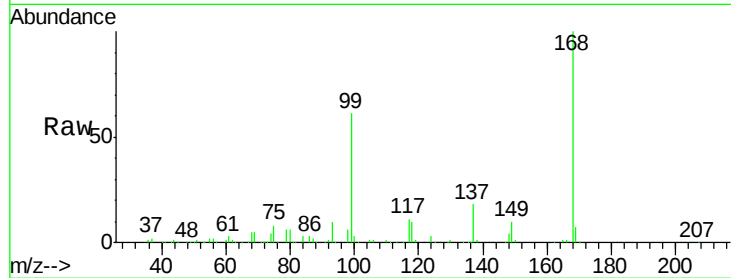
Tgt Ion:117 Resp: 18890

Ion Ratio Lower Upper

117 100

119 8.2 74.1 111.1#

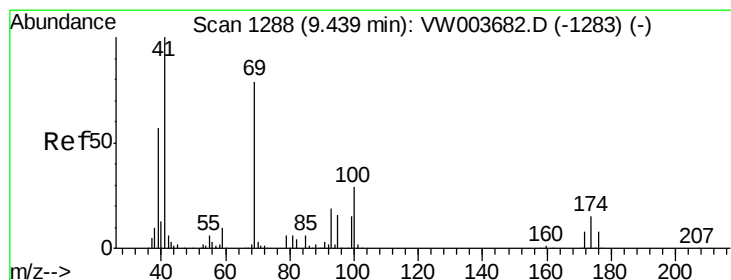
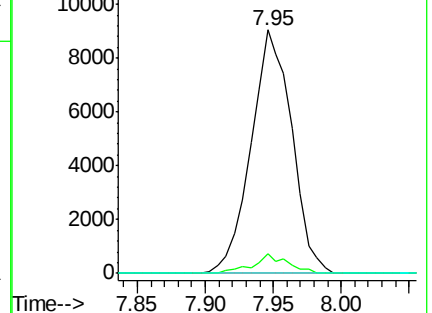
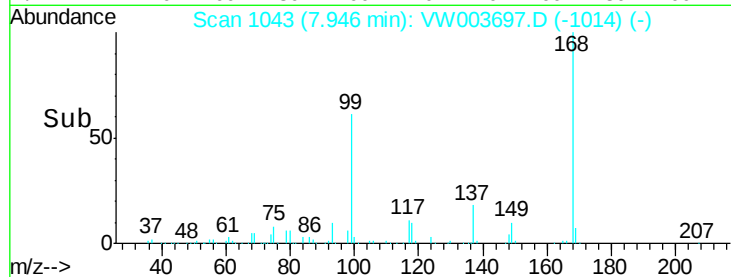
121 0.0 25.0 37.4#



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



#48

Methyl methacrylate

Concen: 3.393 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

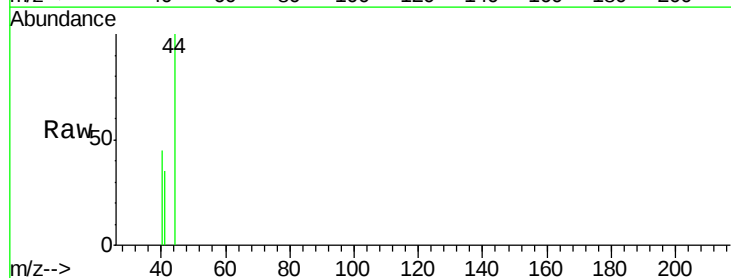
Tgt Ion: 41 Resp: 47

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.2#

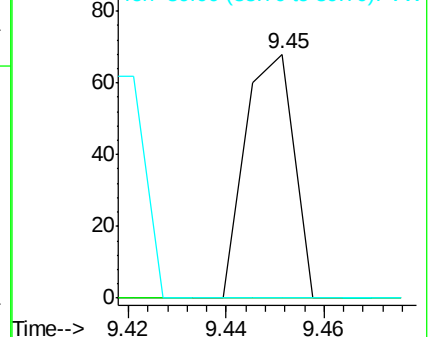
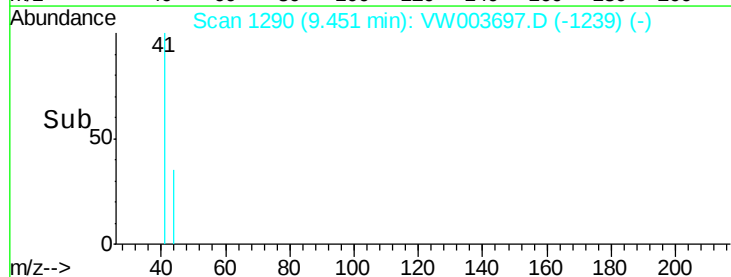
39 0.0 50.0 75.0#

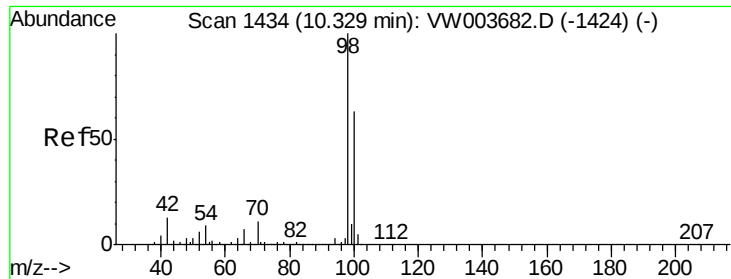


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 36.994 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

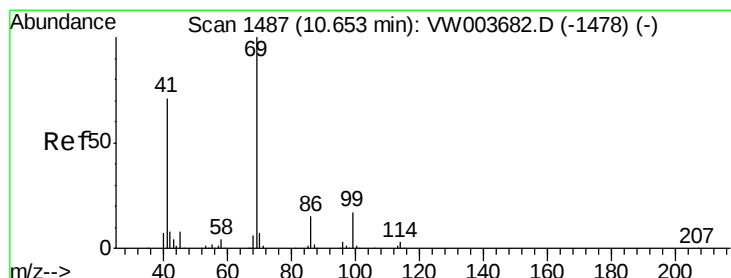
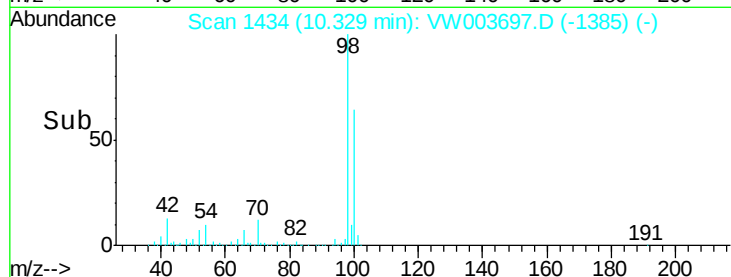
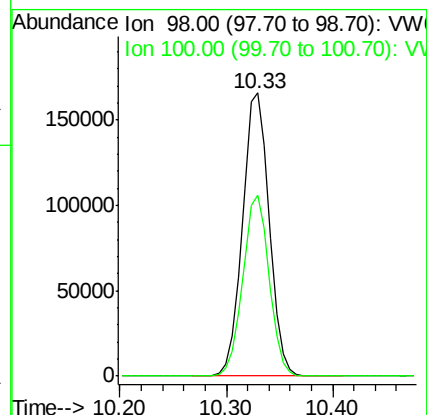
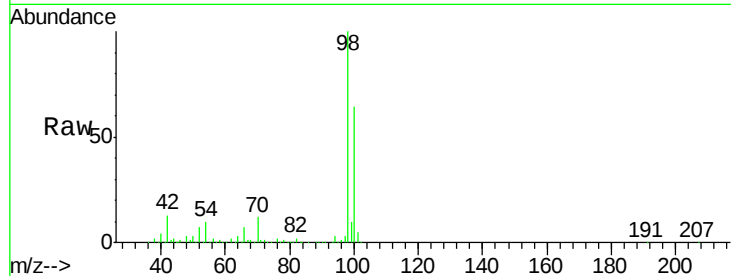
CL-01-062918-A

Tgt Ion: 98 Resp: 291689

Ion Ratio Lower Upper

98 100

100 62.8 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.616 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

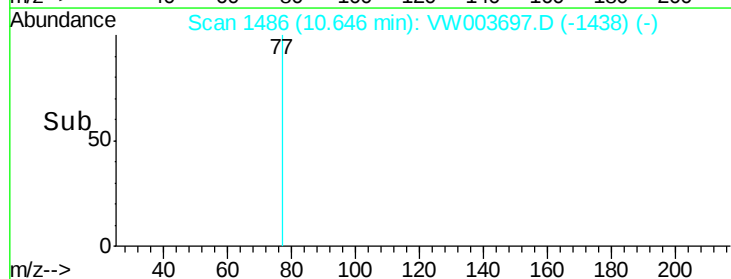
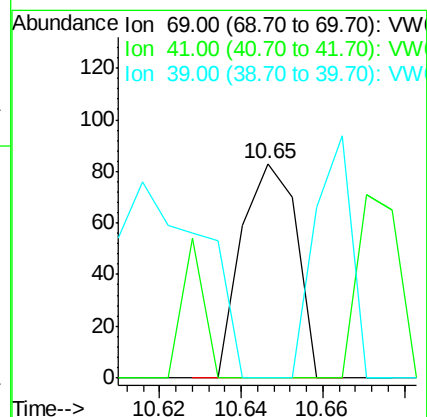
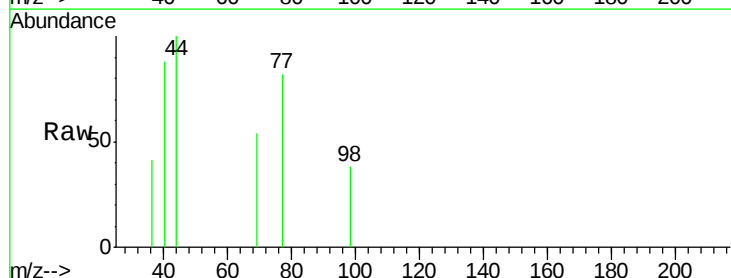
Tgt Ion: 69 Resp: 78

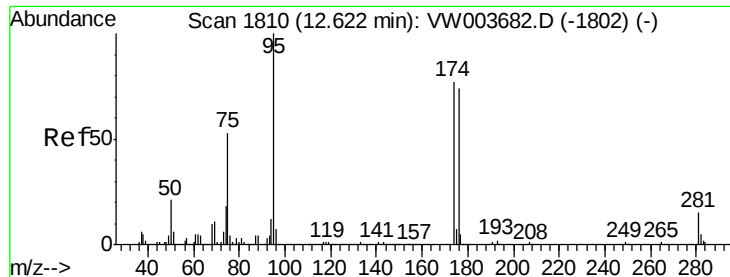
Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

39 0.0 29.4 44.0#

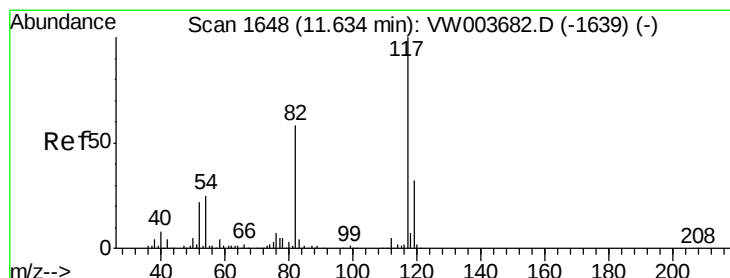
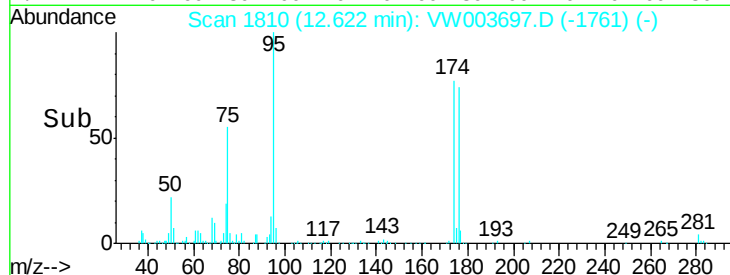
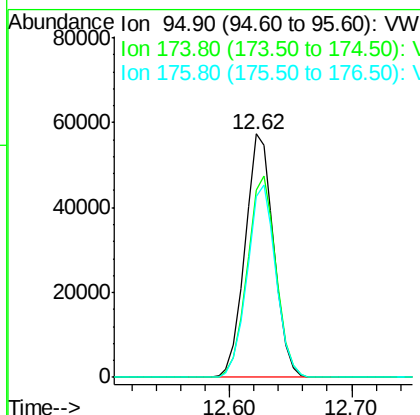
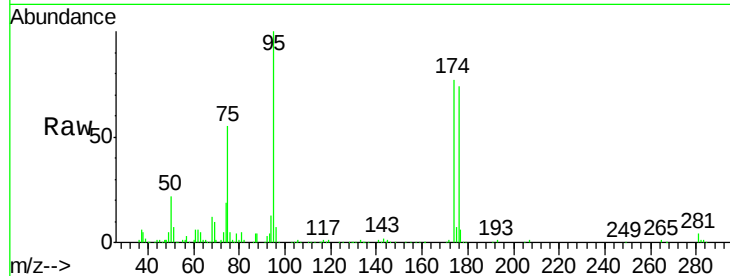




#62
4-Bromofluorobenzene
Concen: 32.793 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

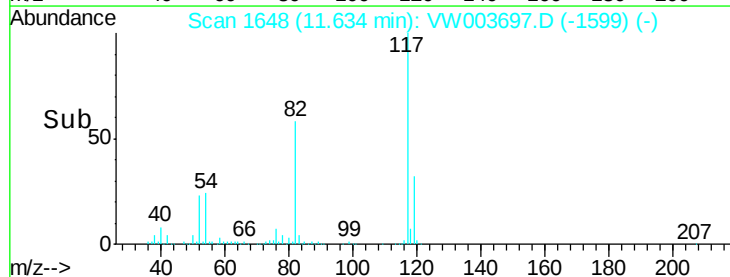
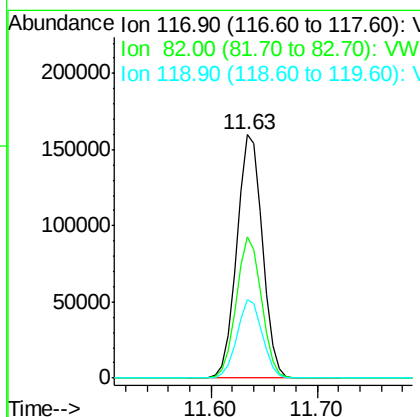
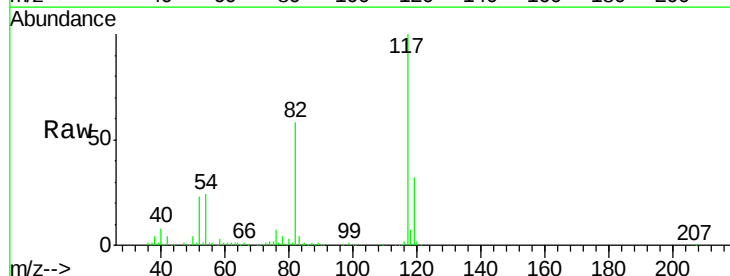
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-A

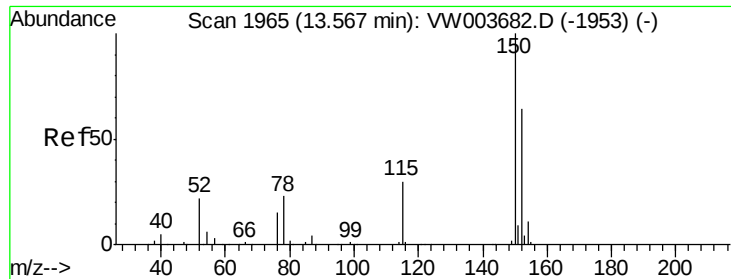
Tgt Ion: 95 Resp: 92891
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.2
176 79.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003697.D
Acq: 03 Jul 2018 14:32

Tgt Ion: 117 Resp: 269867
Ion Ratio Lower Upper
117 100
82 58.2 46.0 69.0
119 32.3 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: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-A

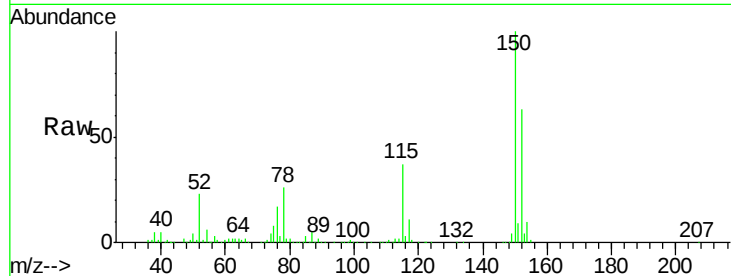
Tgt Ion:152 Resp: 109044

Ion Ratio Lower Upper

152 100

115 57.3 29.3 88.0

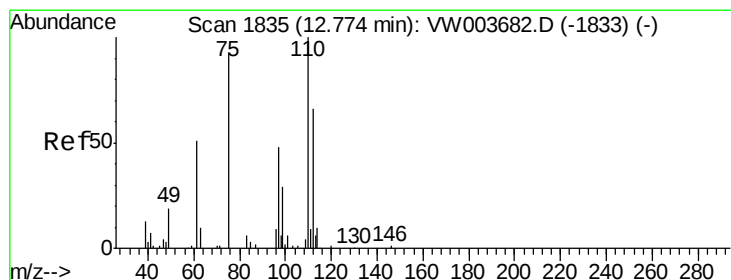
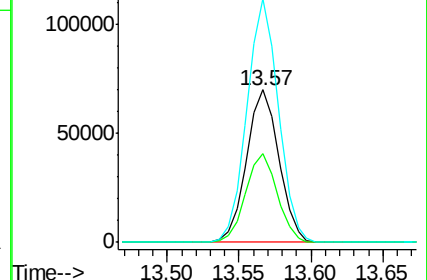
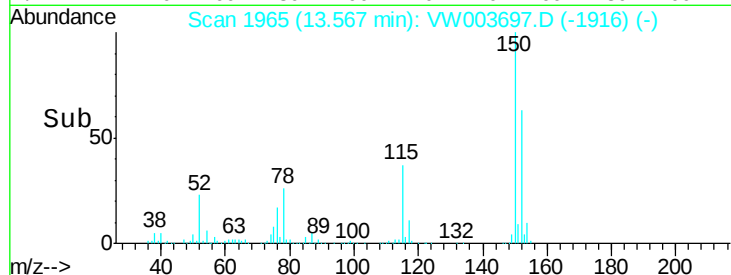
150 155.1 0.0 352.0



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: 51.189 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003697.D

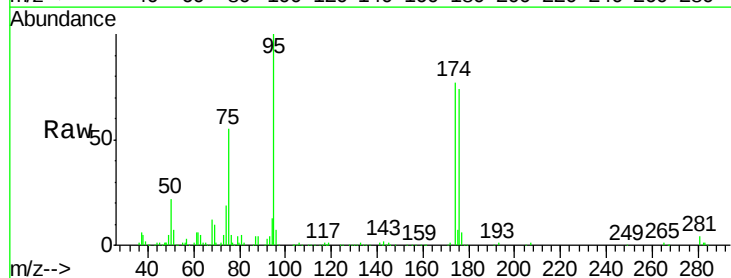
Acq: 03 Jul 2018 14:32

Tgt Ion: 75 Resp: 50189

Ion Ratio Lower Upper

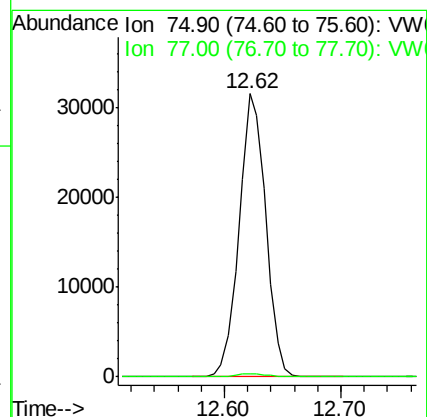
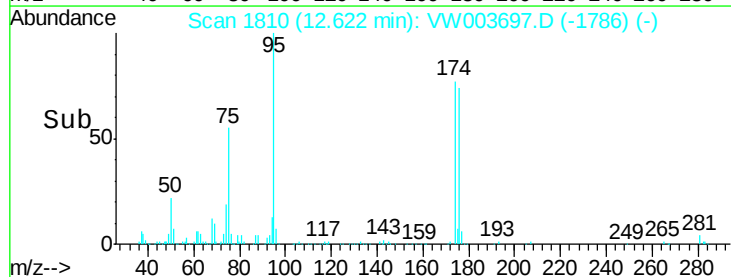
75 100

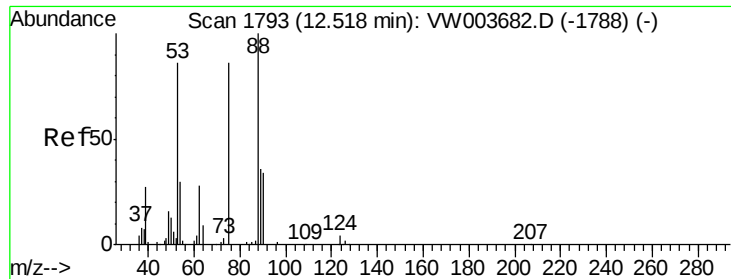
77 1.2 0.0 0.0#



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: 108.466 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003697.D

Acq: 03 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-A

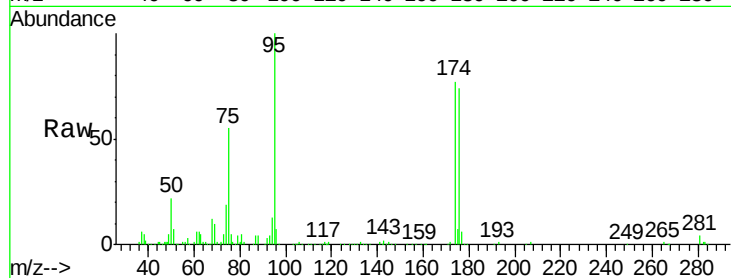
Tgt Ion: 75 Resp: 50189

Ion Ratio Lower Upper

75 100

53 0.4 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

