

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003992.D
 Acq On : 17 Jul 2018 18:21
 Operator : VA/AP
 Sample : J3829-03
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-071318-B

Quant Time: Jul 18 04:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	133694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	242379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45159	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	106919	71.55	ug/l	0.00
Spiked Amount			Recovery	=	143.10%	
35) Dibromofluoromethane	7.88	113	85257	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
50) Toluene-d8	10.33	98	220579	36.55	ug/l	0.00
Spiked Amount			Recovery	=	73.10%	
62) 4-Bromofluorobenzene	12.62	95	54563	25.07	ug/l	0.00
Spiked Amount			Recovery	=	50.14%	

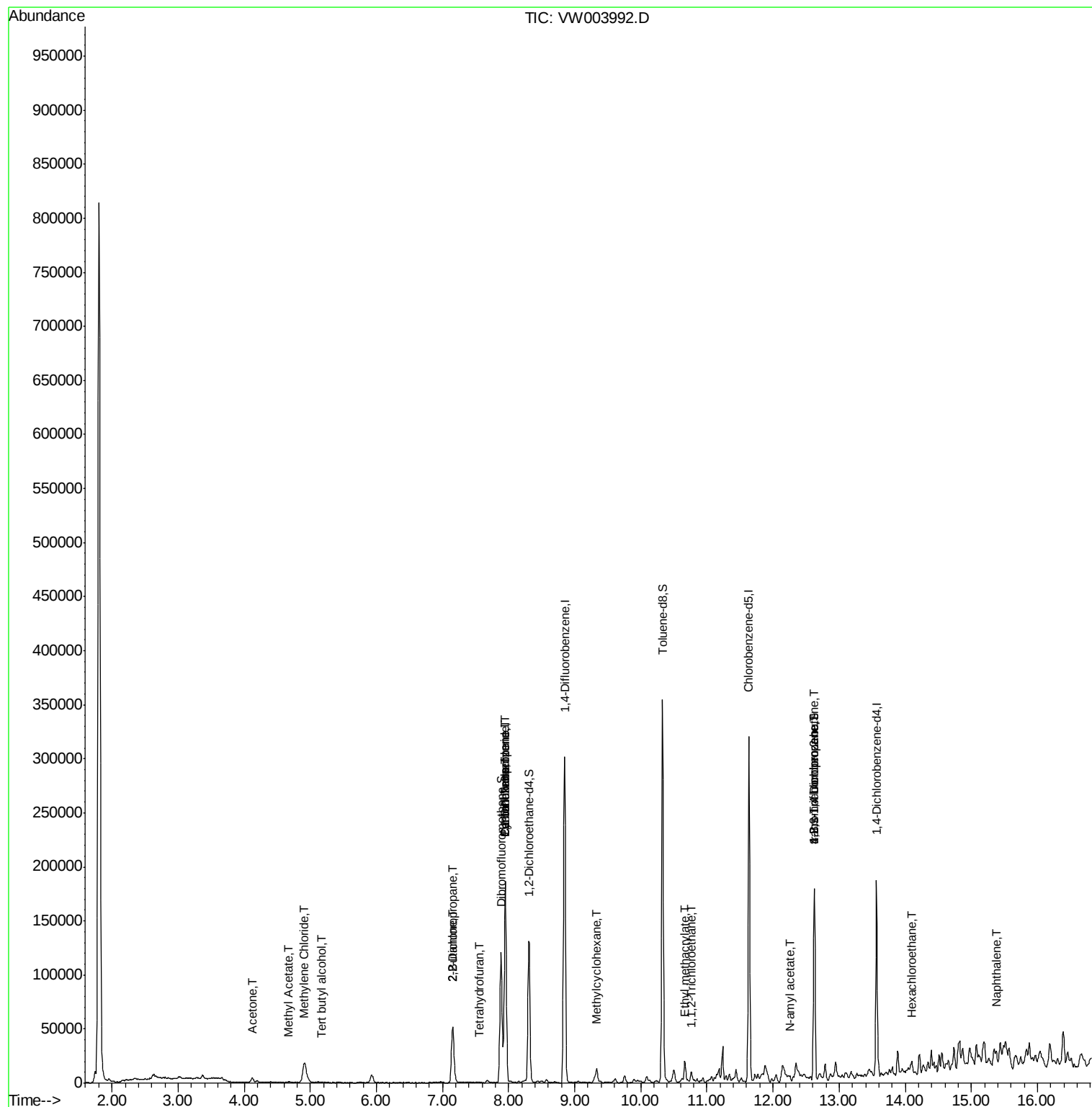
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	275	2.666	ug/l #	72
16) Acetone	4.13	43	6906	19.231	ug/l	93
18) Methyl Acetate	4.67	43	1825	2.117	ug/l #	69
20) Methylene Chloride	4.90	84	17117	3.484	ug/l	91
25) 2-Butanone	7.16	43	3251	6.727	ug/l #	67
26) 2,2-Dichloropropane	7.15	77	3385	2.230	ug/l #	52
29) Tetrahydrofuran	7.55	42	475	1.578	ug/l #	49
31) Cyclohexane	7.95	56	4349	1.754	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	11972	4.801	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13606	5.839	ug/l #	18
39) Methylcyclohexane	9.34	83	5113	1.751	ug/l	96
55) 1,1,2-Trichloroethane	10.77	97	2816	2.185	ug/l #	21
56) Ethyl methacrylate	10.66	69	1889	3.910	ug/l #	1
74) N-amyl acetate	12.26	43	1138	1.369	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	29616	66.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29616	146.121	ug/l #	11
90) Hexachloroethane	14.11	117	632	1.168	ug/l #	9
95) Naphthalene	15.38	128	7089	4.025	ug/l #	90

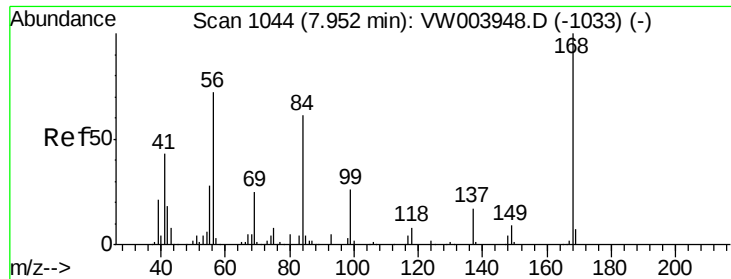
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

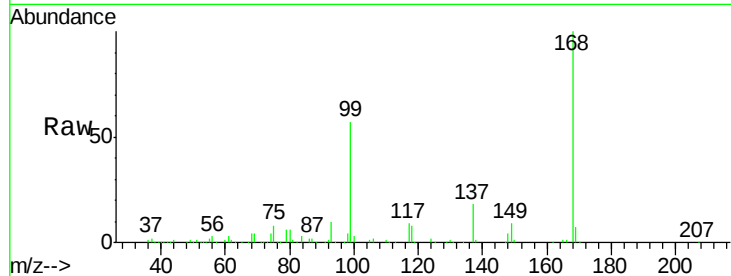
PL-01-071318-B

Tot Ion:168 Resp: 133694

Ion Ratio Lower Upper

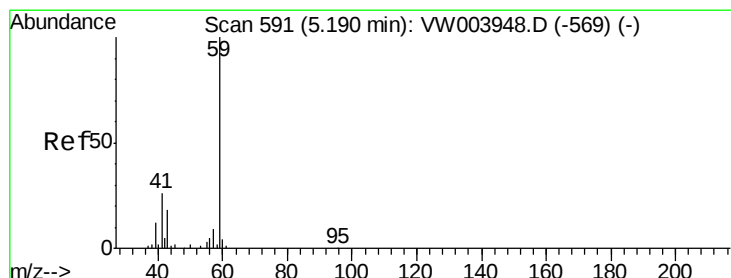
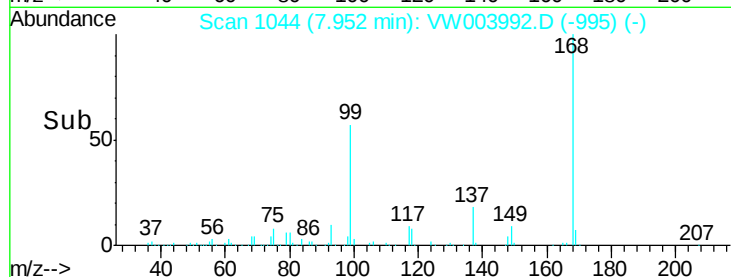
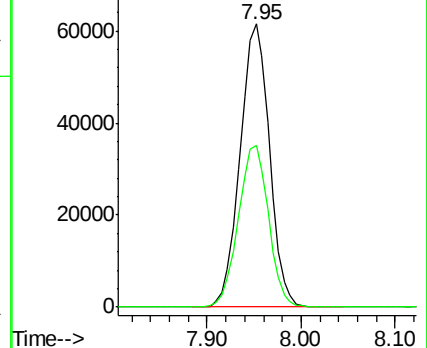
168 100

99 57.3 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.666 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW003992.D

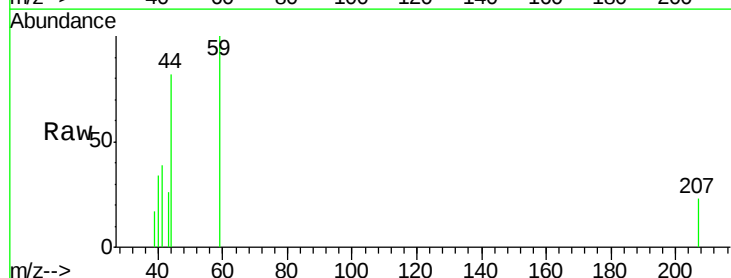
Acq: 17 Jul 2018 18:21

Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

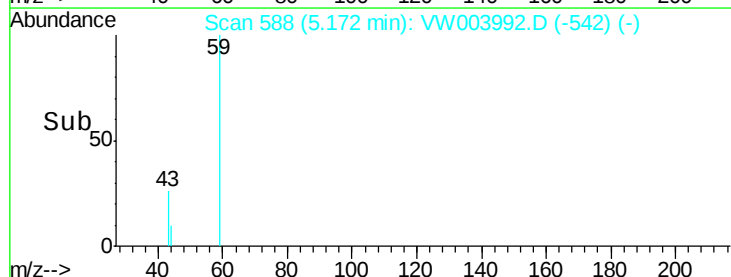
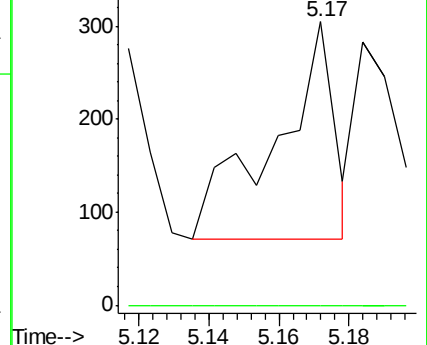
59 100

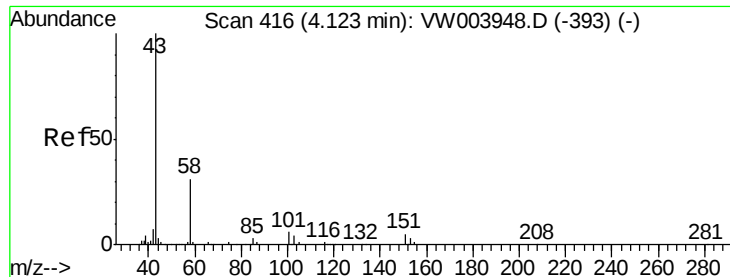
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 19.231 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

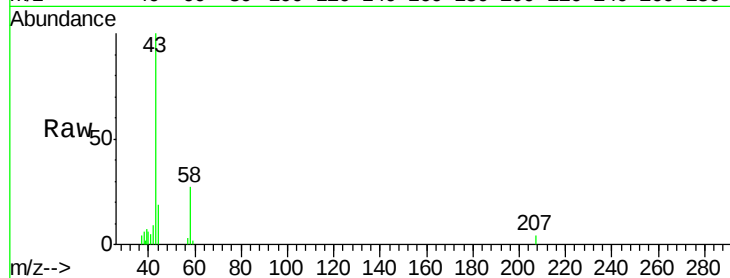
PL-01-071318-B

Tot Ion: 43 Resp: 6906

Ion Ratio Lower Upper

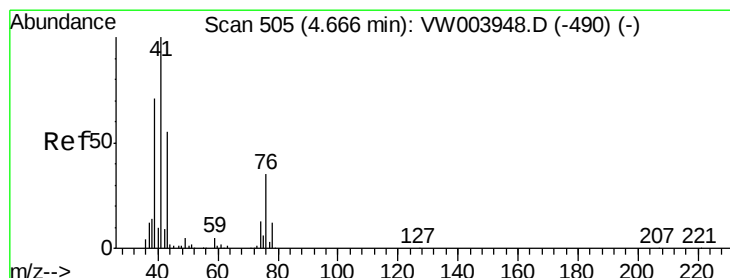
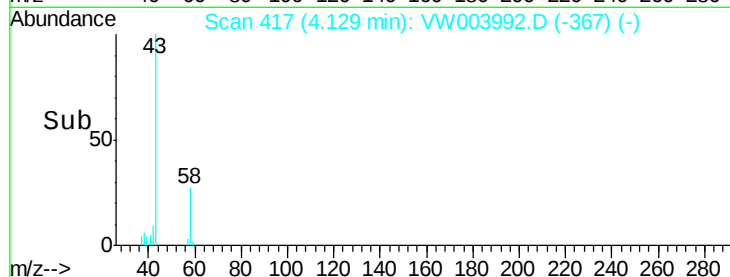
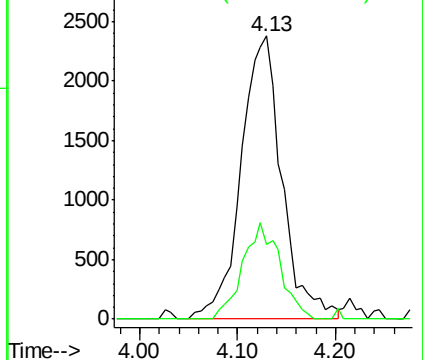
43 100

58 26.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.117 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003992.D

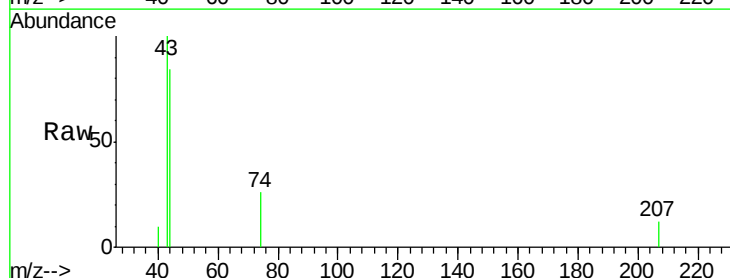
Acq: 17 Jul 2018 18:21

Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

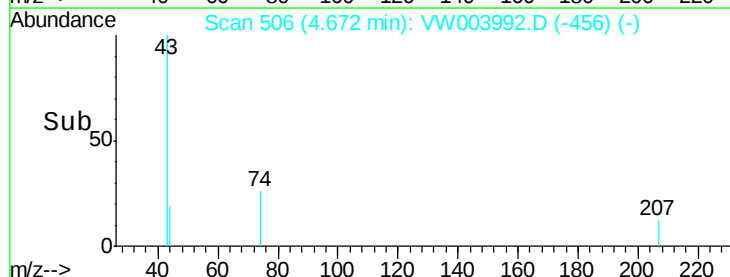
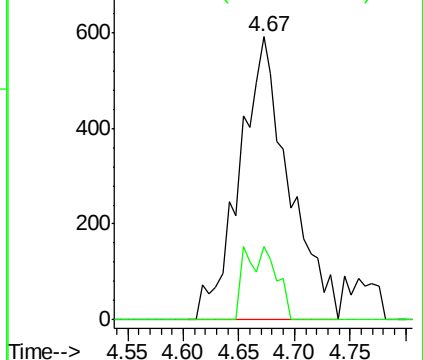
43 100

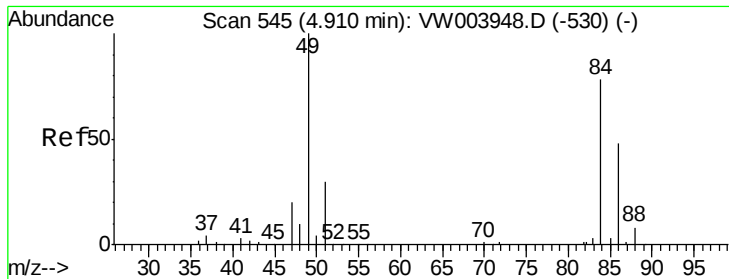
74 7.5 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

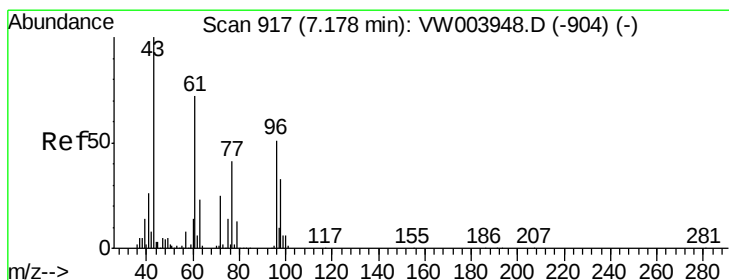
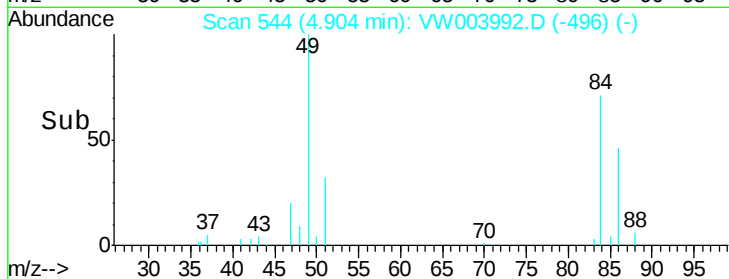
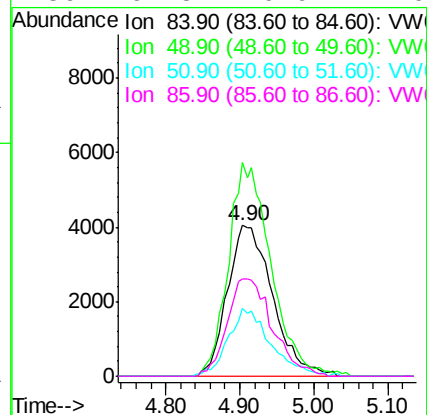
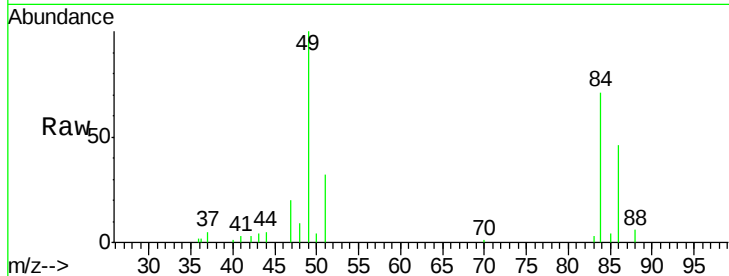




#20
Methvlene Chloride
Concen: 3.484 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

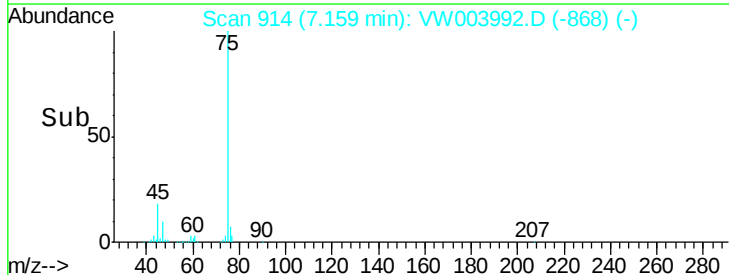
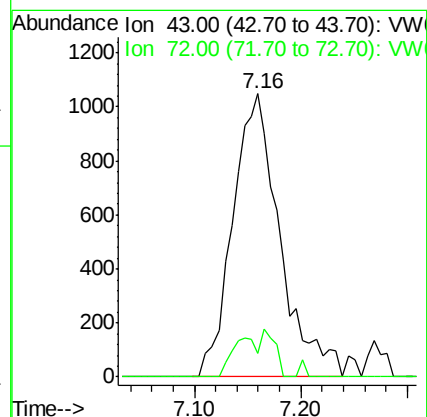
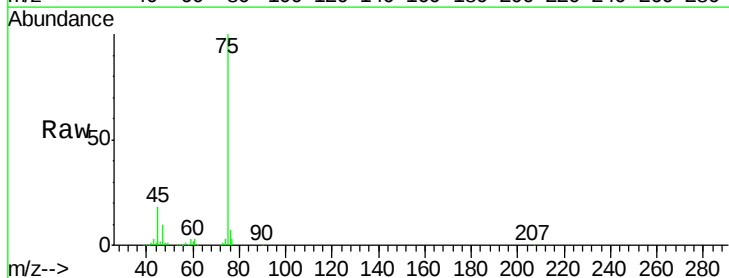
Instrument :
MSVOA_W
ClientSampleId :
PL-01-071318-B

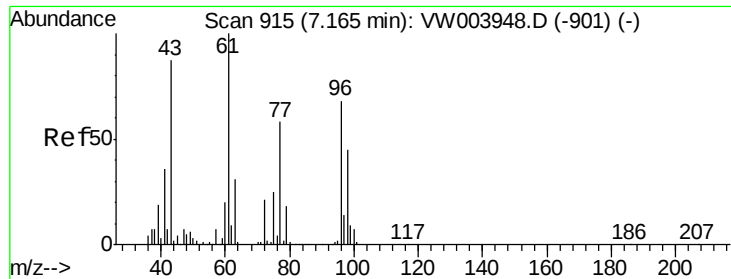
Tot Ion: 84 Resp: 17117
Ion Ratio Lower Upper
84 100
49 141.5 102.9 154.3
51 44.9 30.9 46.3
86 64.8 49.9 74.9



#25
2-Butanone
Concen: 6.727 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
72 8.3 19.8 29.6#





#26

2,2-Dichloropropane

Concen: 2.230 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

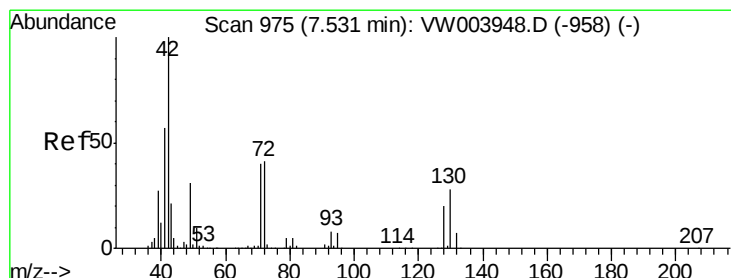
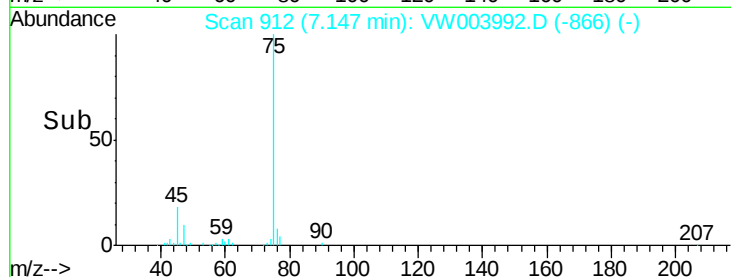
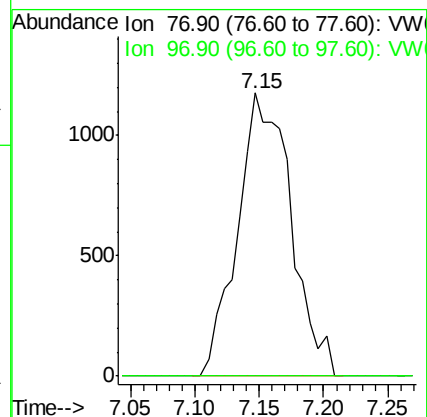
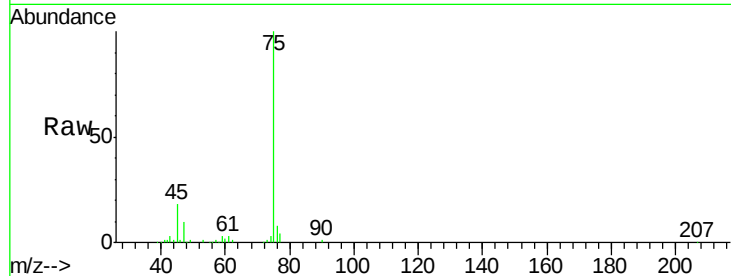
PL-01-071318-B

Tot Ion: 77 Resp: 3385

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#29

Tetrahydrofuran

Concen: 1.578 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

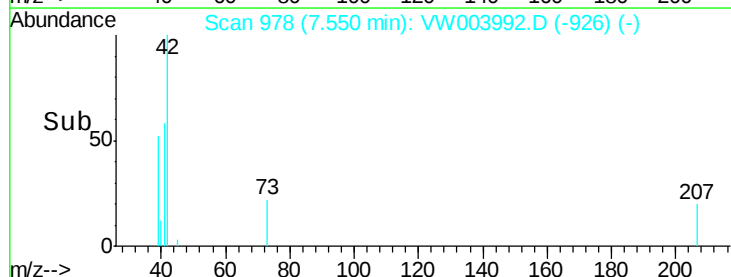
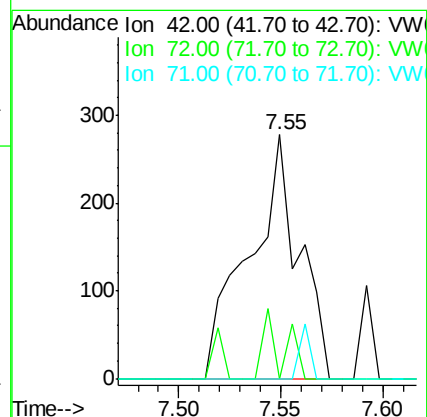
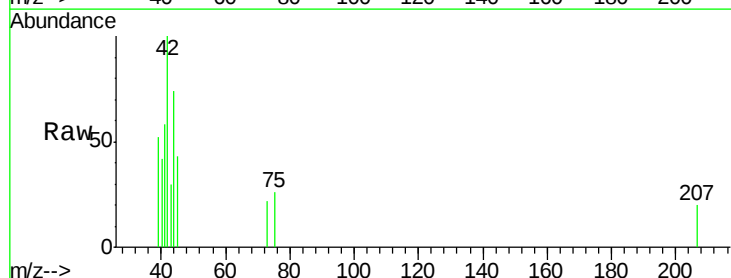
Tgt Ion: 42 Resp: 475

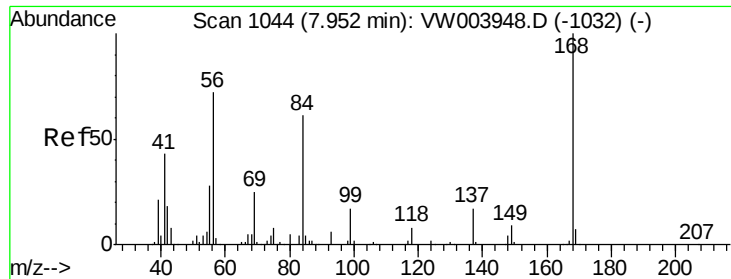
Ion Ratio Lower Upper

42 100

72 10.9 32.6 48.8#

71 4.8 30.5 45.7#

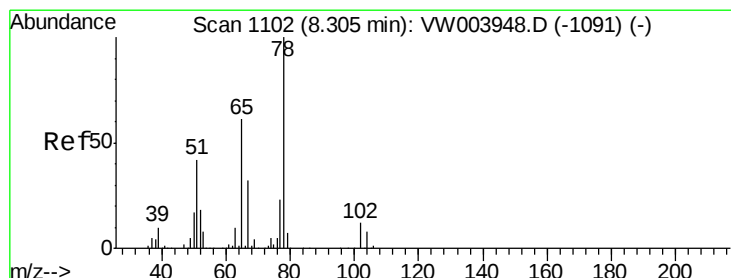
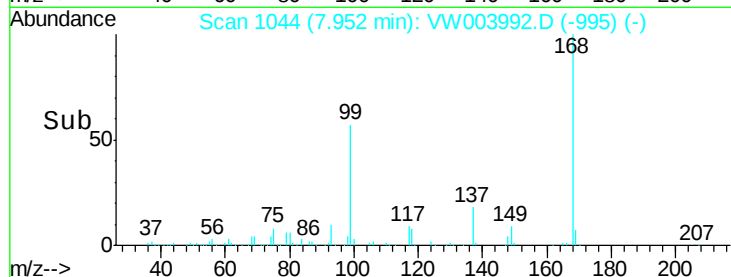
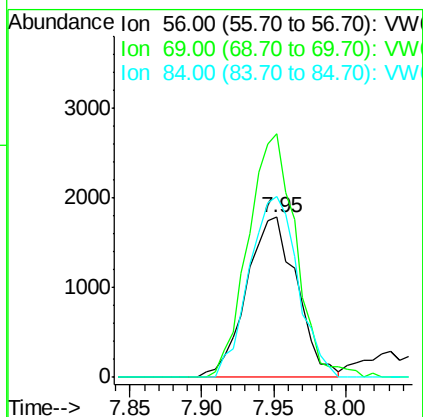
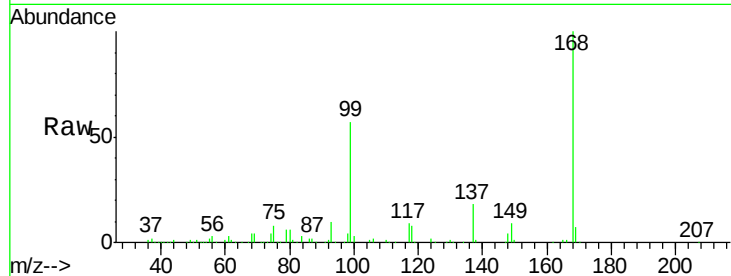




#31
Cyclohexane
Concen: 1.754 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

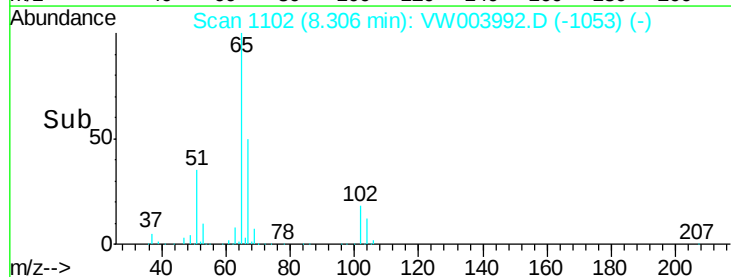
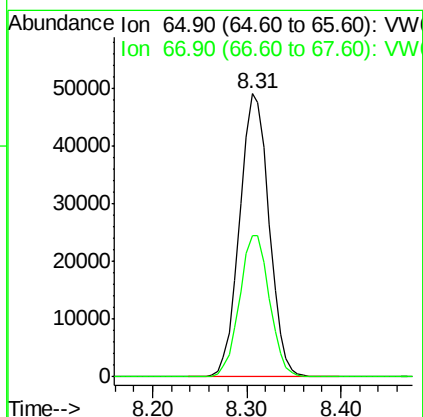
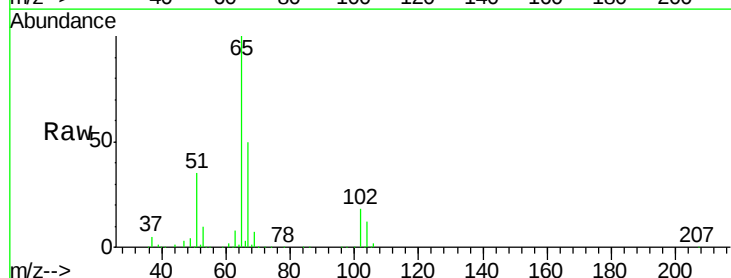
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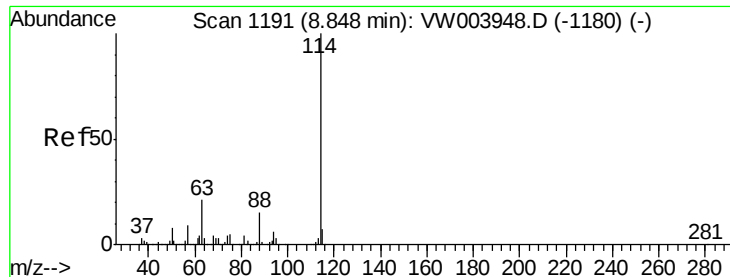
Tot Ion: 56 Resp: 4349
Ion Ratio Lower Upper
56 100
69 152.2 27.8 41.8#
84 113.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 71.545 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

Tgt Ion: 65 Resp: 106919
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.0

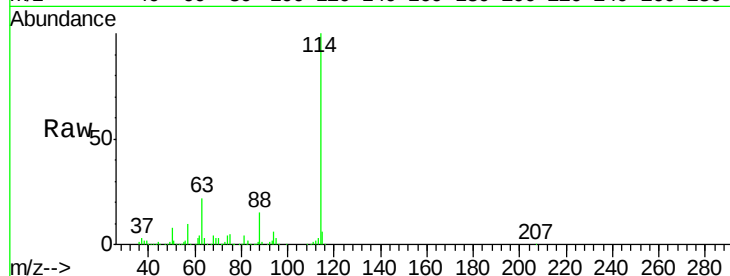




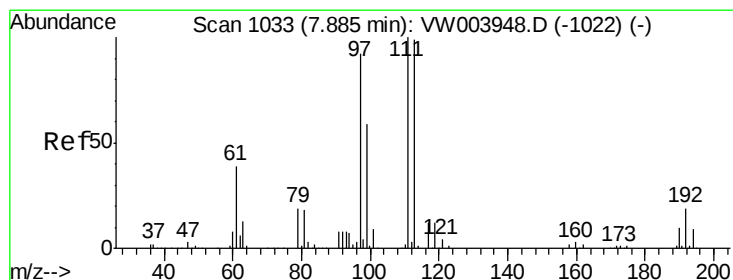
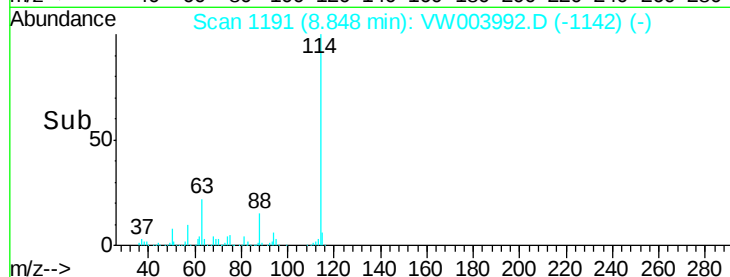
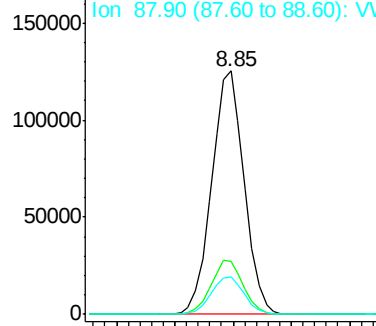
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

Instrument :
MSVOA_W
ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.8
88	15.3	0.0	30.4

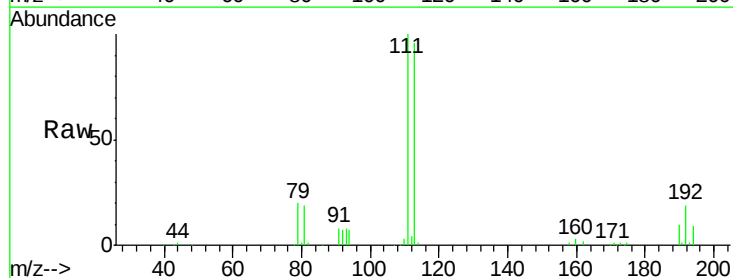


Abundance Ion 113.90 (113.60 to 114.60): V

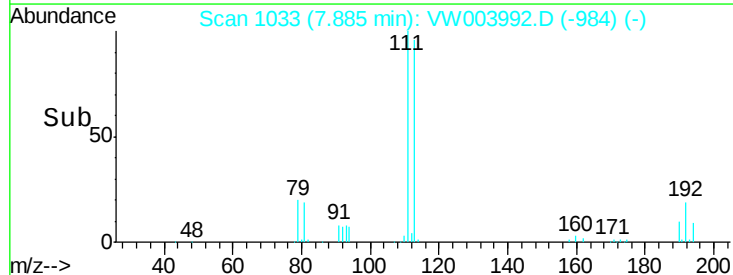
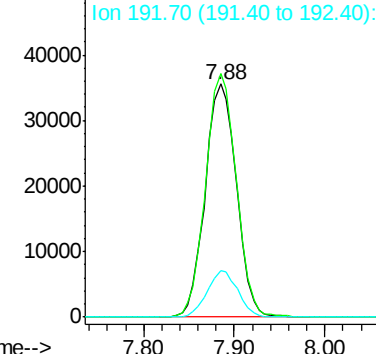


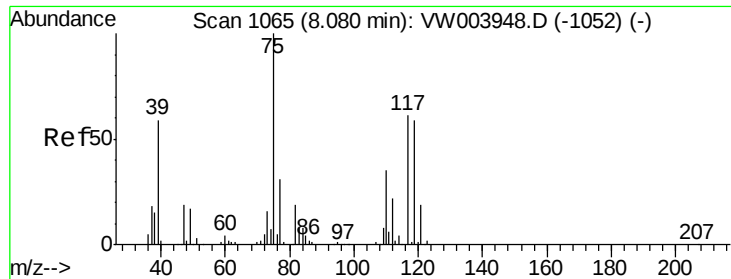
#35
Dibromofluoromethane
Concen: 54.822 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	19.4	15.8	23.6



Abundance Ion 112.80 (112.50 to 113.50): V

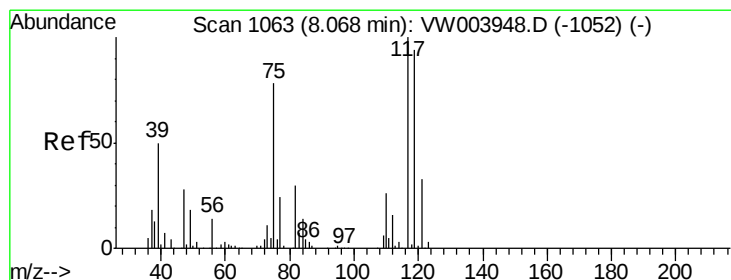
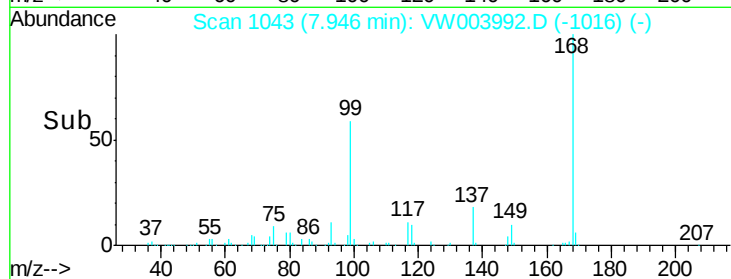
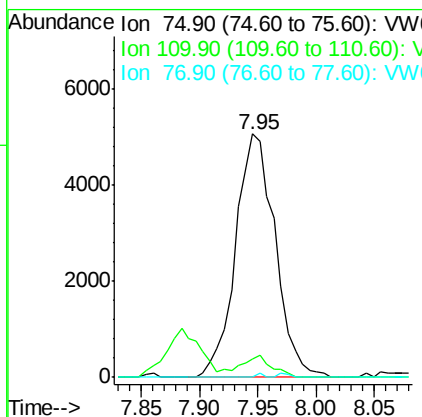
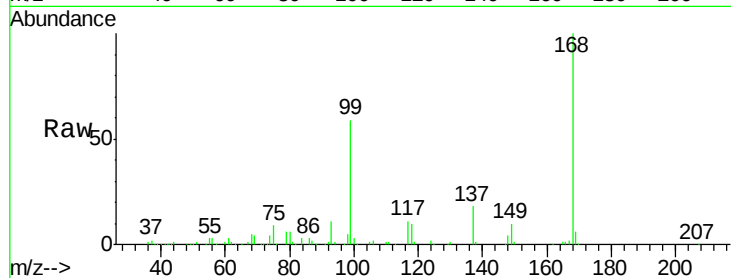




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

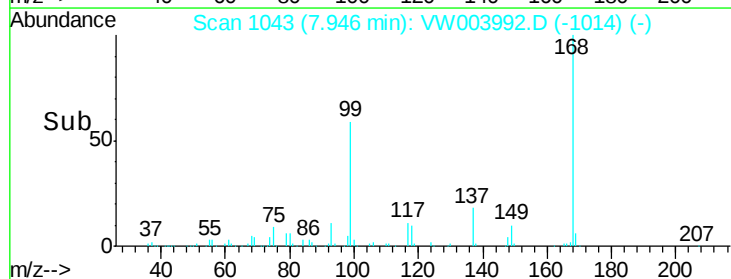
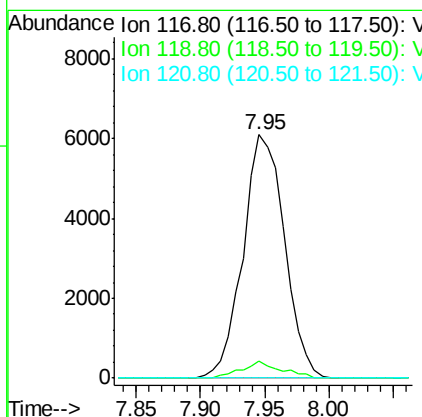
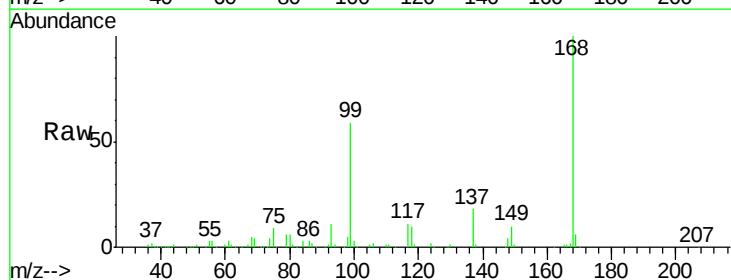
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-071318-B

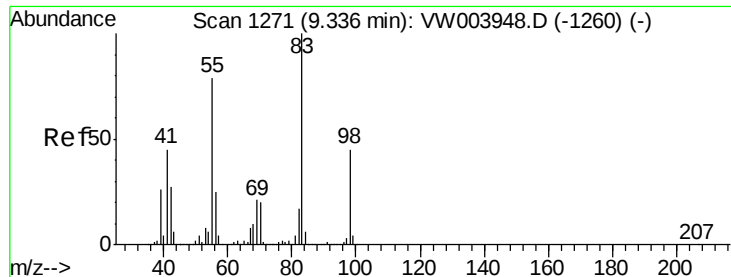
Tot Ion: 75 Resp: 11972
 Ion Ratio Lower Upper
 75 100
 110 6.5 17.0 51.0#
 77 0.3 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.839 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

Tgt Ion: 117 Resp: 13606
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.3 112.9#
 121 0.0 26.0 39.0#

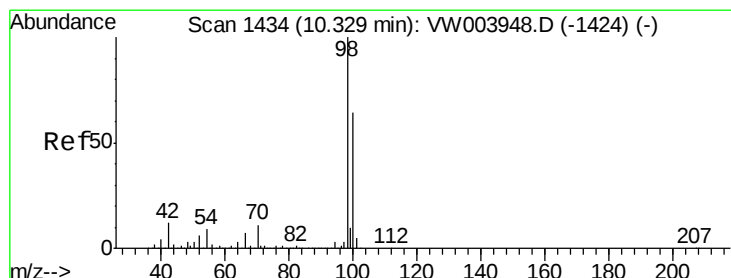
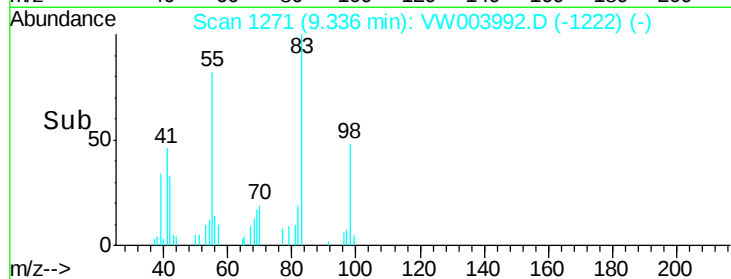
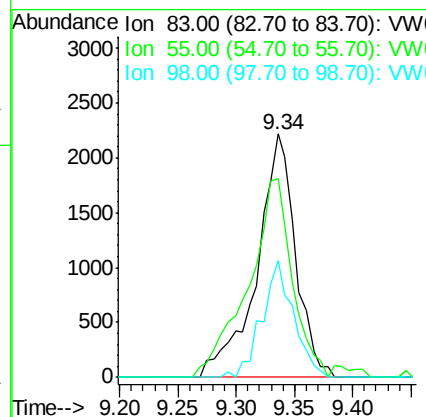
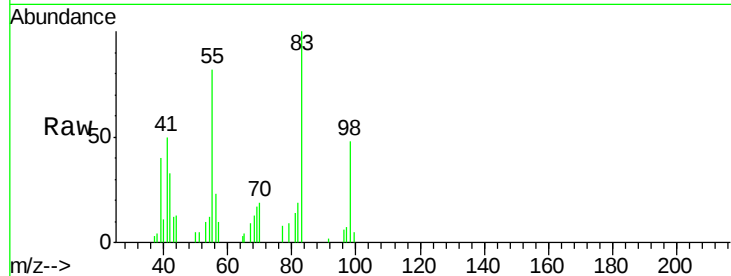




#39
Methylcyclohexane
Concen: 1.751 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

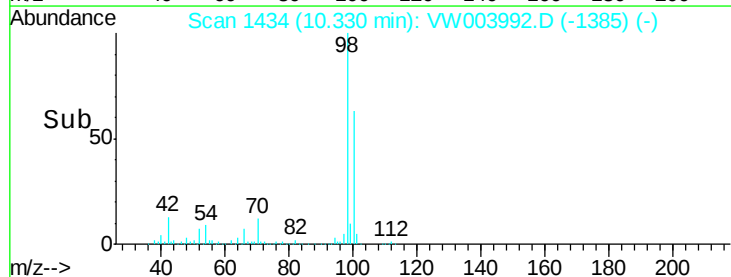
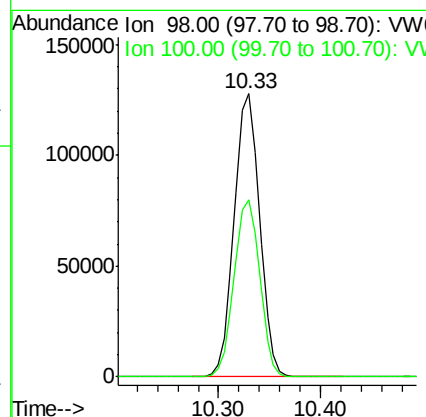
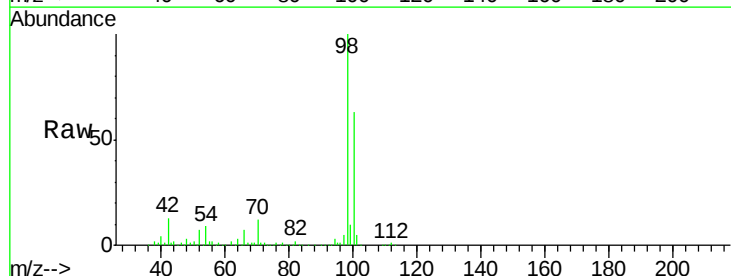
Instrument :
MSVOA_W
ClientSampleId :
PL-01-071318-B

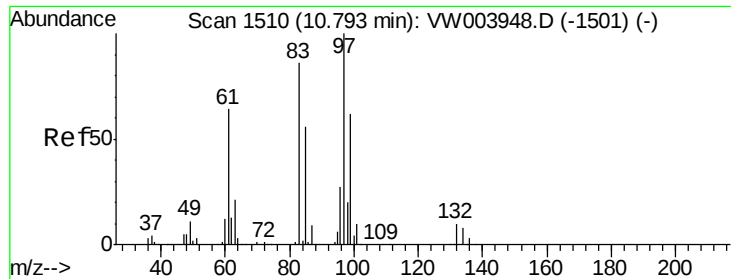
Tot Ion	83	Resp	5113
Ion	Ratio	Lower	Upper
83	100		
55	81.8	62.8	94.2
98	48.3	36.2	54.4



#50
Toluene-d8
Concen: 36.554 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003992.D
Acq: 17 Jul 2018 18:21

Tgt Ion	98	Resp	220579
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.2	76.8

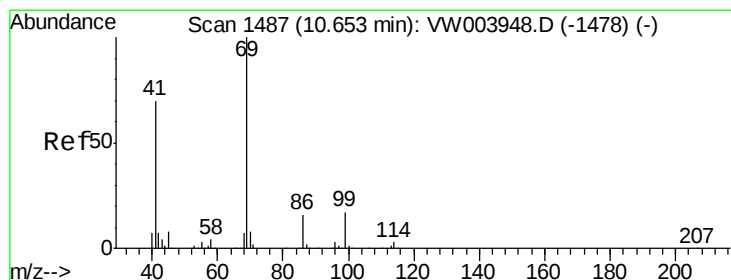
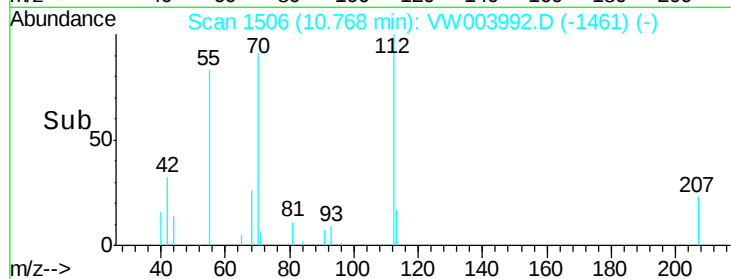
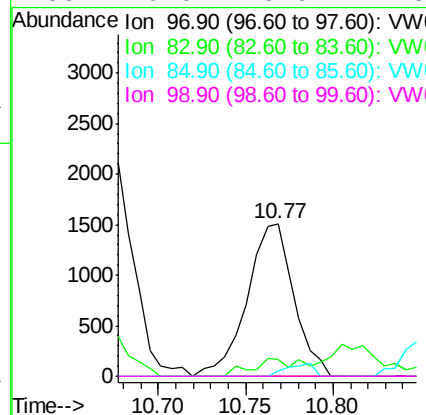
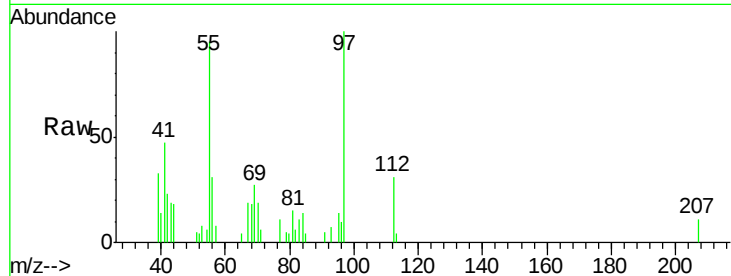




#55
 1,1,2-Trichloroethane
 Concen: 2.185 ug/l
 RT: 10.77 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

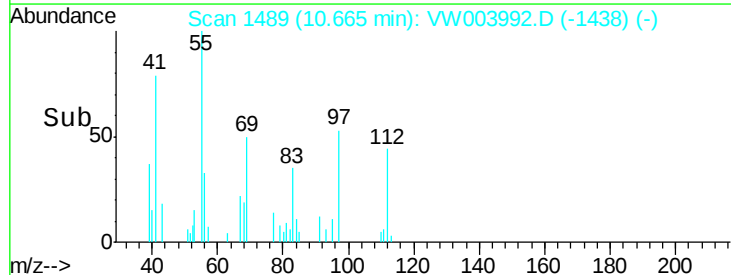
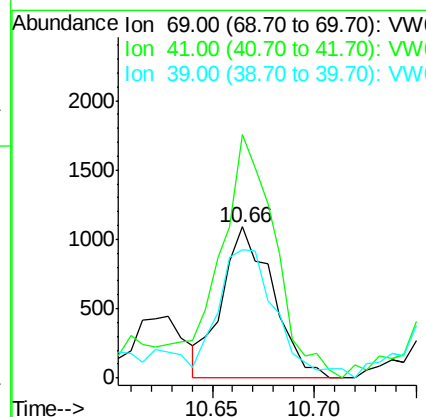
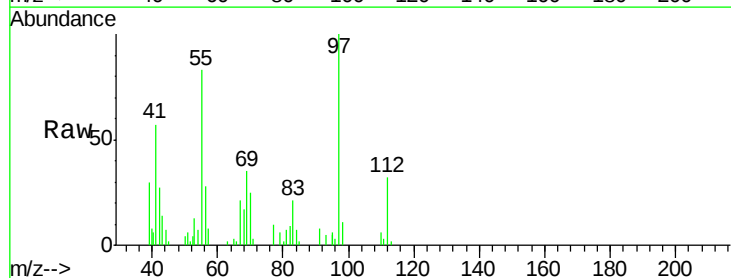
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-071318-B

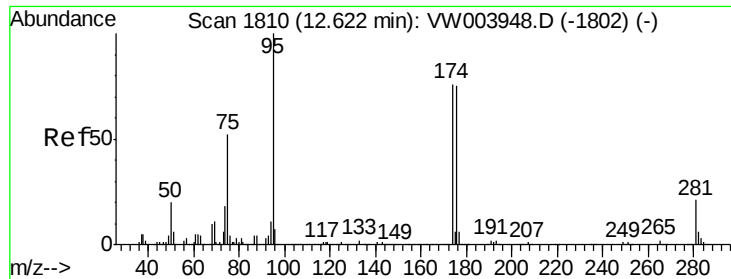
Tot Ion: 97 Resp: 2816
 Ion Ratio Lower Upper
 97 100
 83 10.9 69.0 103.4#
 85 3.6 45.0 67.6#
 99 0.0 49.9 74.9#



#56
 Ethyl methacrylate
 Concen: 3.910 ug/l
 RT: 10.66 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

Tgt Ion: 69 Resp: 1889
 Ion Ratio Lower Upper
 69 100
 41 175.7 56.5 84.7#
 39 96.3 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 25.075 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

PL-01-071318-B

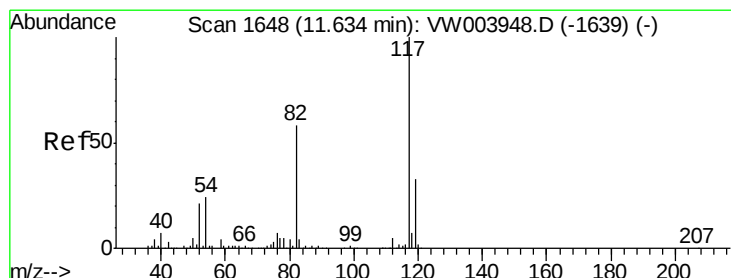
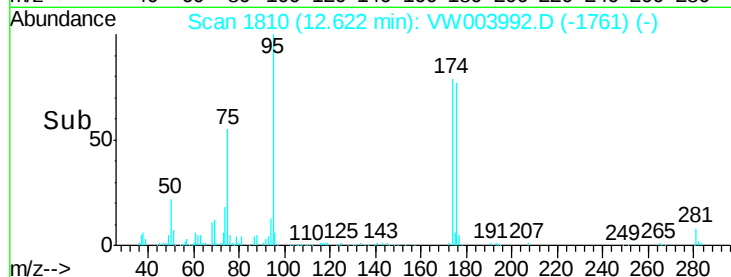
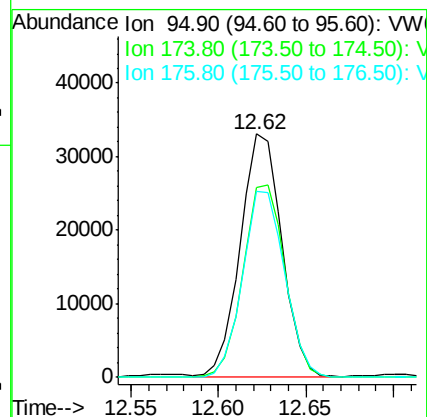
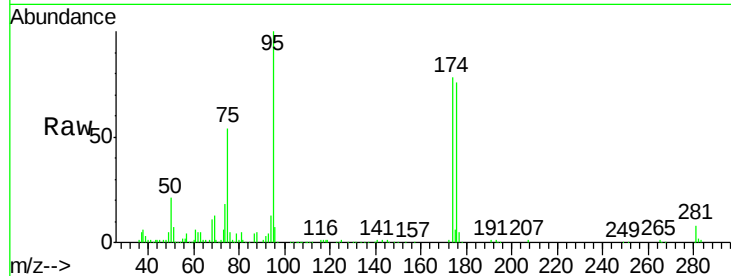
Tot Ion: 95 Resp: 54563

Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.2

176 77.7 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

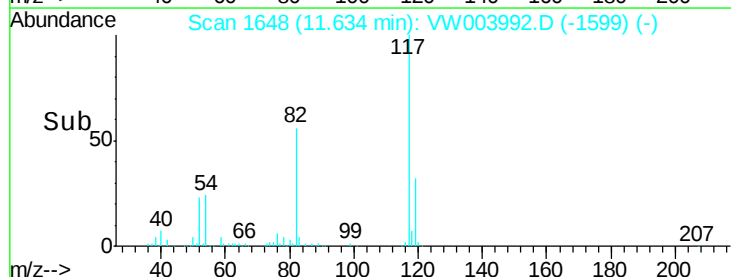
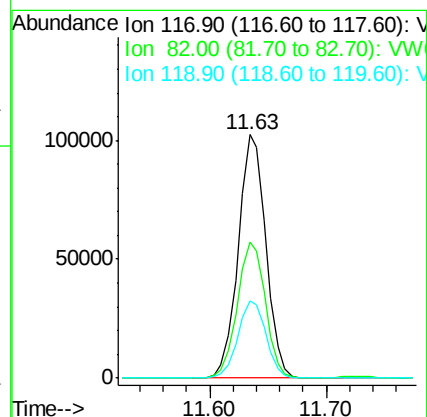
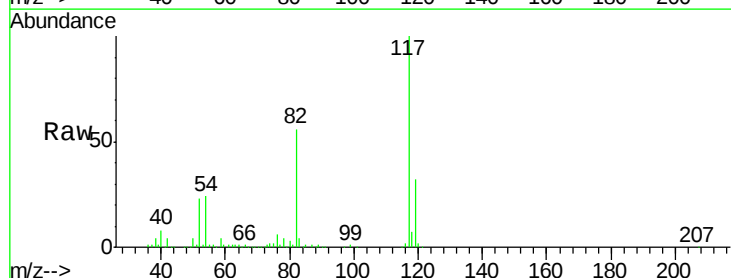
Tgt Ion: 117 Resp: 169132

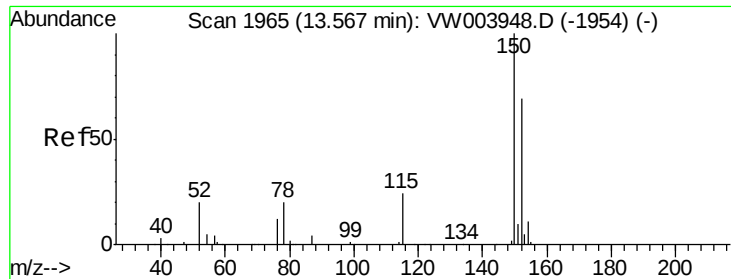
Ion Ratio Lower Upper

117 100

82 55.9 46.5 69.7

119 31.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

PL-01-071318-B

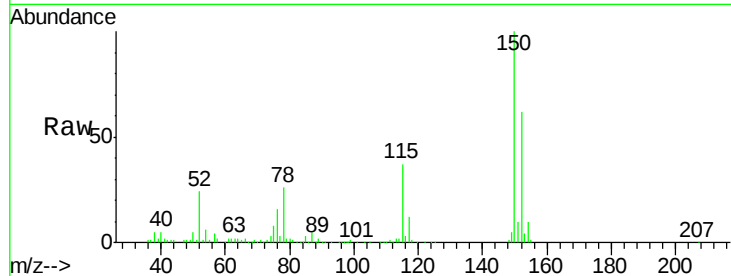
Tot Ion:152 Resp: 45159

Ion Ratio Lower Upper

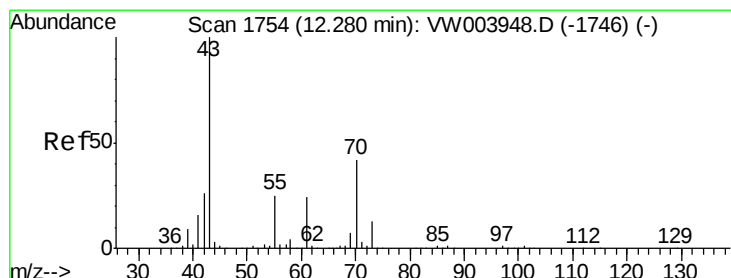
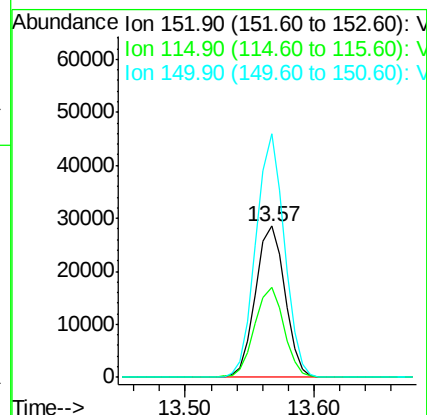
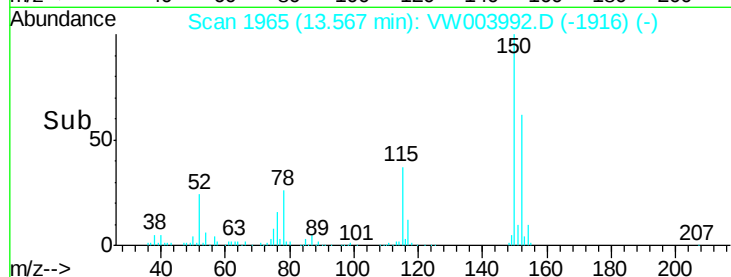
152 100

115 59.4 29.2 87.6

150 155.1 0.0 345.2



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



#74

N-ethyl acetate

Concen: 1.369 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Tgt Ion: 43 Resp: 1138

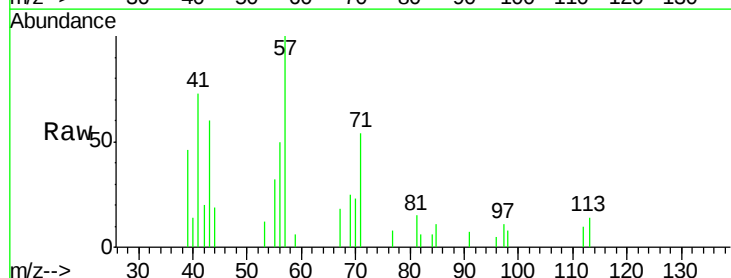
Ion Ratio Lower Upper

43 100

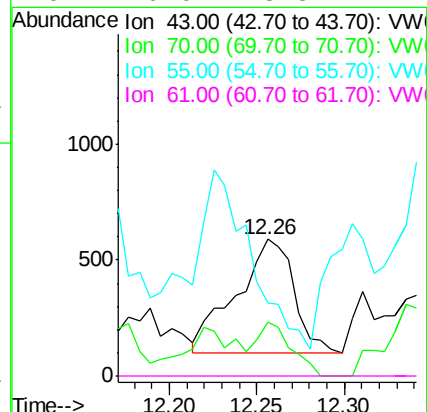
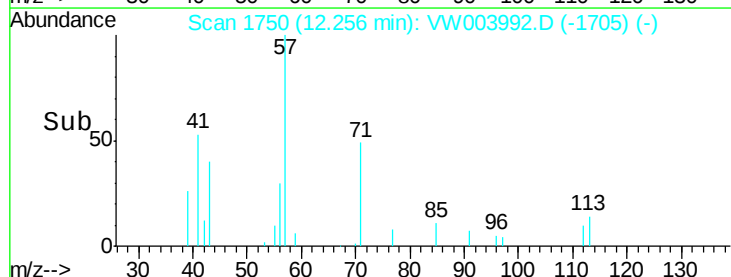
70 27.8 31.6 47.4#

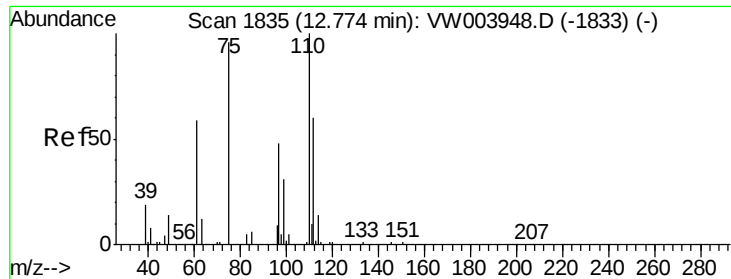
55 0.0 20.0 30.0#

61 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VV
Ion 70.00 (69.70 to 70.70): VV
Ion 55.00 (54.70 to 55.70): VV
Ion 61.00 (60.70 to 61.70): VV

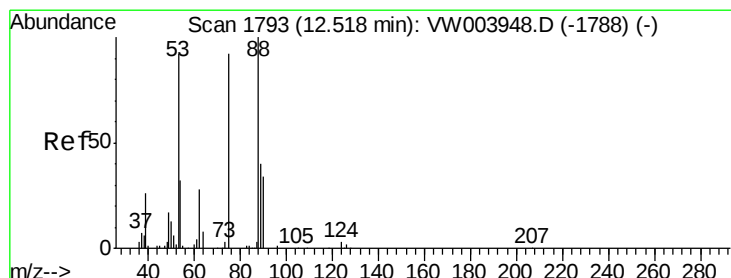
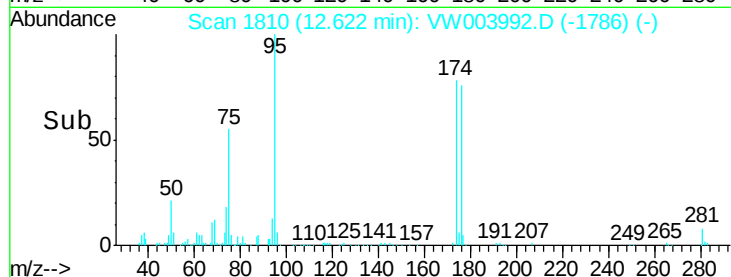
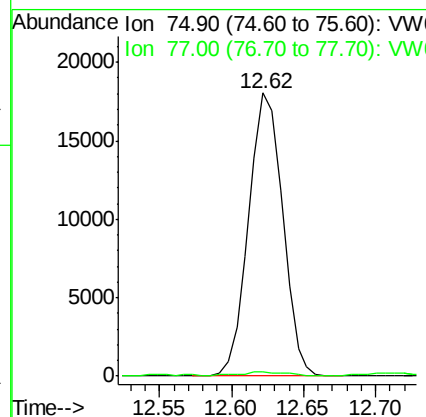
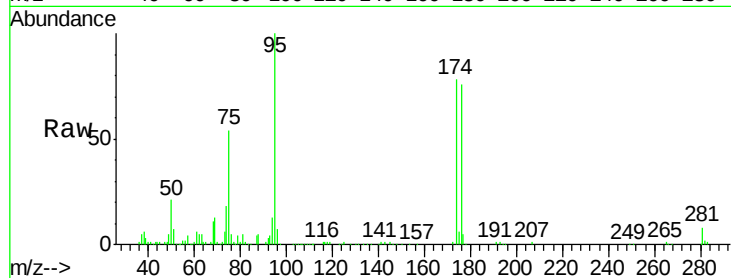




#76
 1,2,3-Trichloropropane
 Concen: 66.059 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

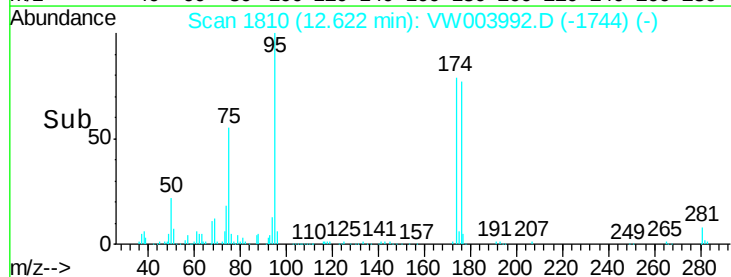
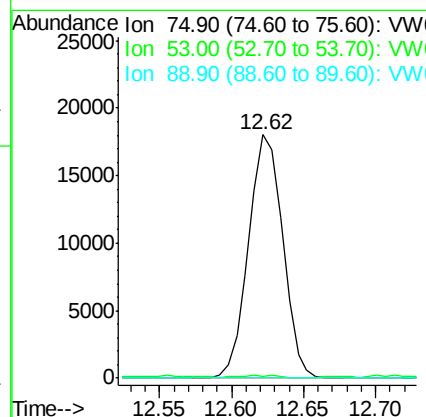
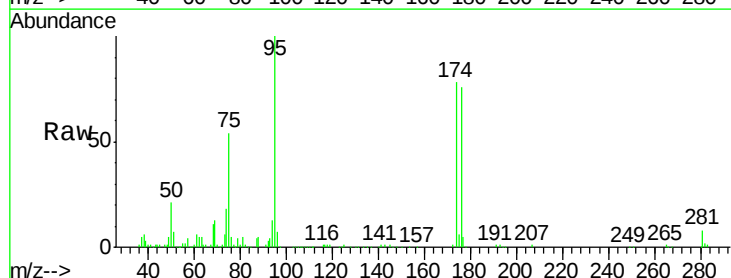
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-071318-B

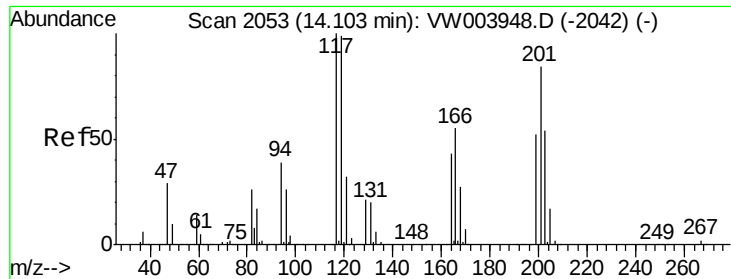
Tot Ion: 75 Resp: 29616
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.121 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003992.D
 Acq: 17 Jul 2018 18:21

Tgt Ion: 75 Resp: 29616
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.0 36.6 54.8#





#90

Hexachloroethane

Concen: 1.168 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Instrument :

MSVOA_W

ClientSampled :

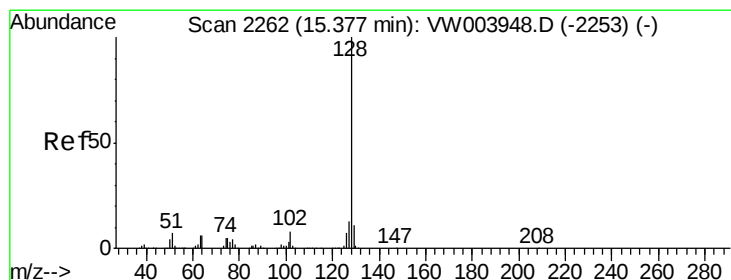
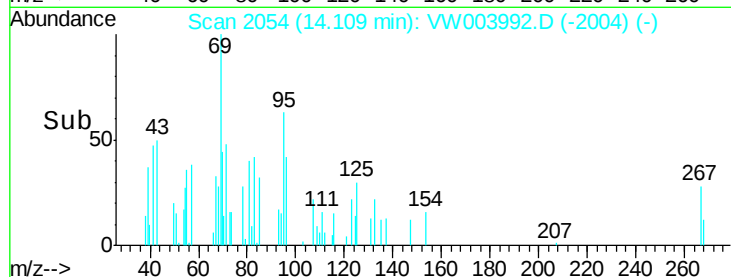
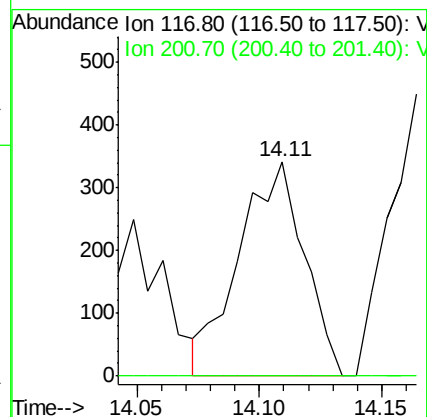
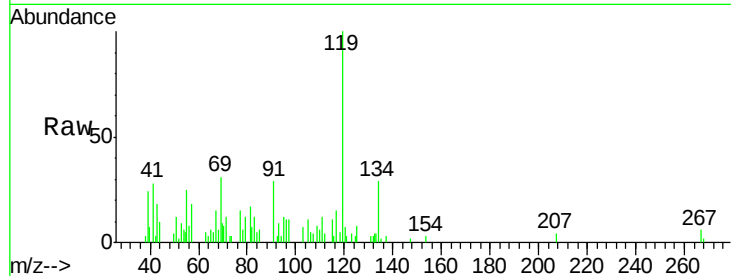
PL-01-071318-B

Tot Ion:117 Resp: 632

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.9#



#95

Naphthalene

Concen: 4.025 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003992.D

Acq: 17 Jul 2018 18:21

Tgt Ion:128 Resp: 7089

Ion Ratio Lower Upper

128 100

127 20.0 10.7 16.1#

129 10.4 8.7 13.1

