

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003617.D
 Acq On : 27 Jun 2018 16:49
 Operator : SY/AP
 Sample : J3665-02
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 05:33:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107762	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	71048	44.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.66%	
35) Dibromofluoromethane	7.89	113	63760	41.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.76%	
50) Toluene-d8	10.33	98	207859	34.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.86%	
62) 4-Bromofluorobenzene	12.62	95	74904	35.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.12%	

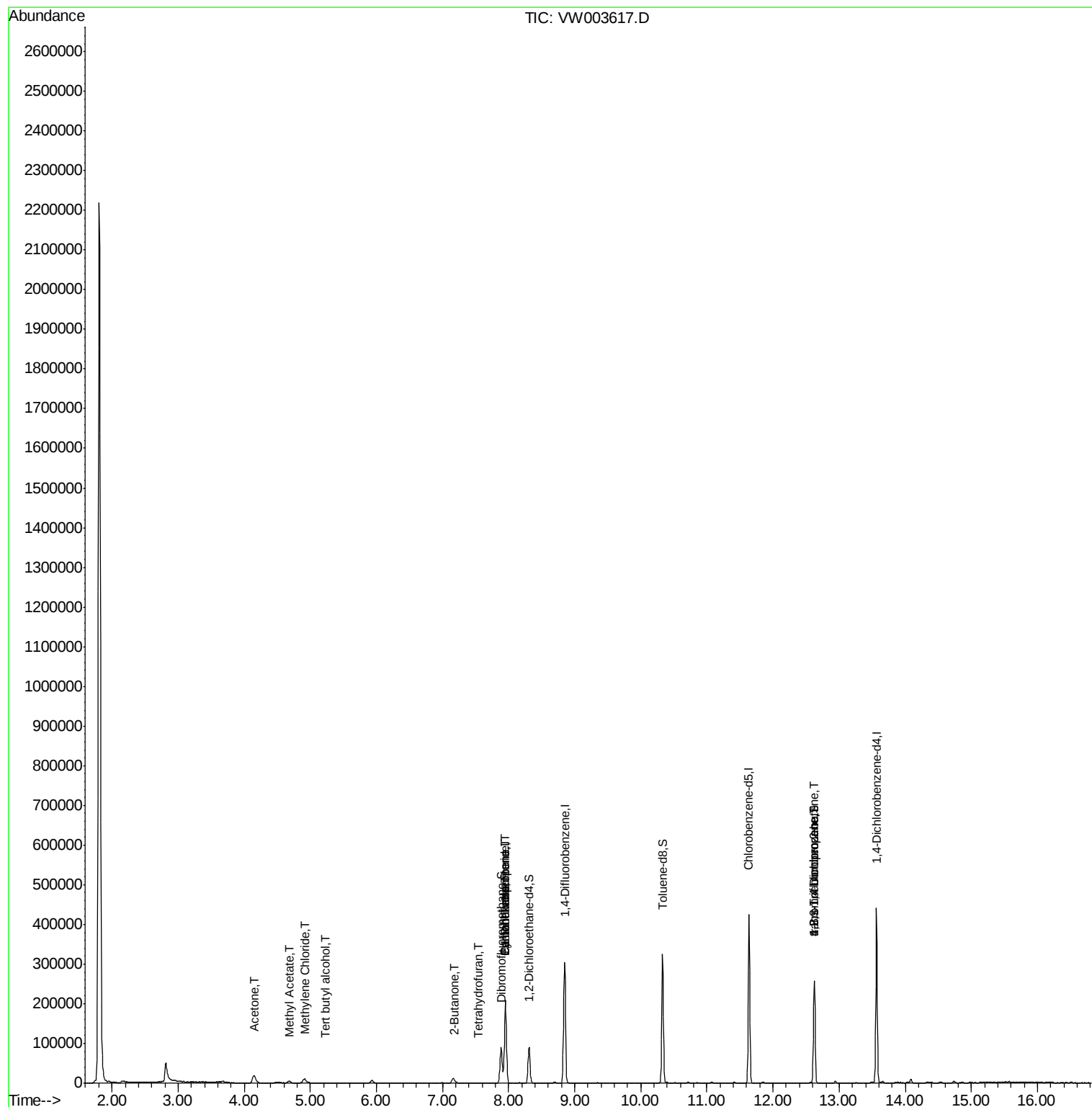
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	908	10.684	ug/l #	84
16) Acetone	4.15	43	40902	123.064	ug/l	96
18) Methyl Acetate	4.68	43	8591	10.896	ug/l	100
20) Methylene Chloride	4.92	84	7909	2.084	ug/l #	92
25) 2-Butanone	7.18	43	1393	3.371	ug/l #	86
29) Tetrahydrofuran	7.54	42	420	1.663	ug/l #	35
31) Cyclohexane	7.95	56	3818	1.491	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12661	5.350	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14527	6.258	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	40778	44.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	40778	101.854	ug/l #	9

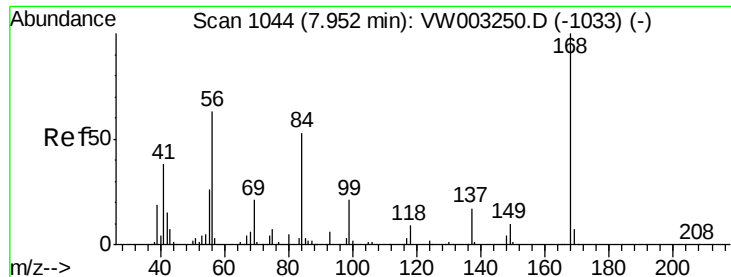
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003617.D

Acq: 27 Jun 2018 16:49

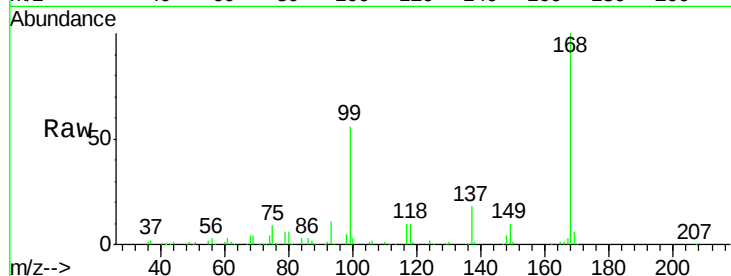
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 146306

Ion Ratio Lower Upper

168 100

99 56.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

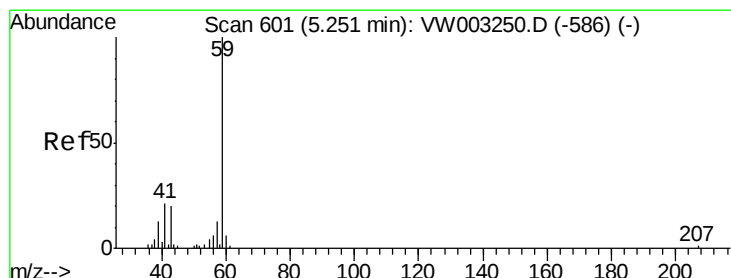
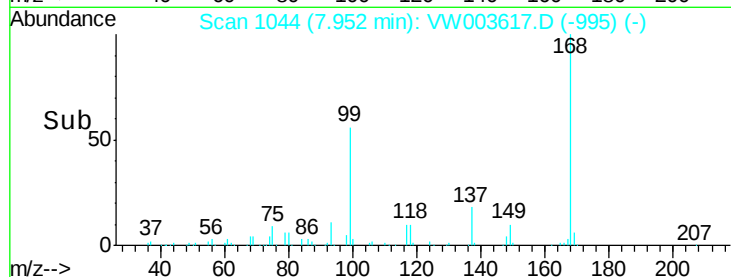
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 10.684 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003617.D

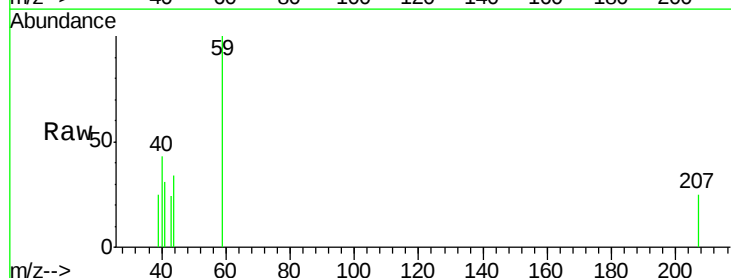
Acq: 27 Jun 2018 16:49

Tgt Ion: 59 Resp: 908

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

400

300

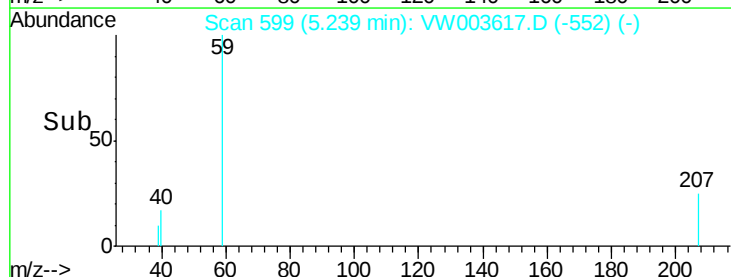
200

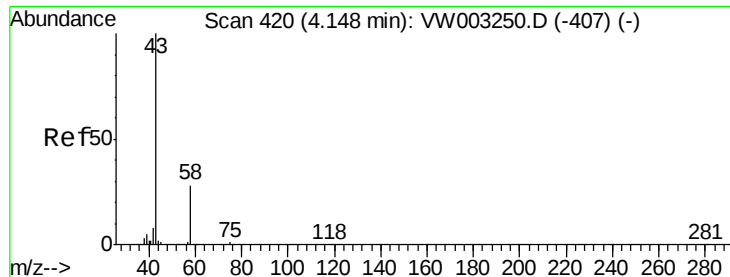
100

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 123.064 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003617.D

Acq: 27 Jun 2018 16:49

Instrument :

MSVOA_W

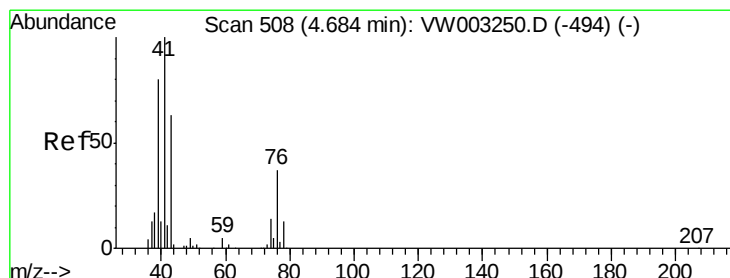
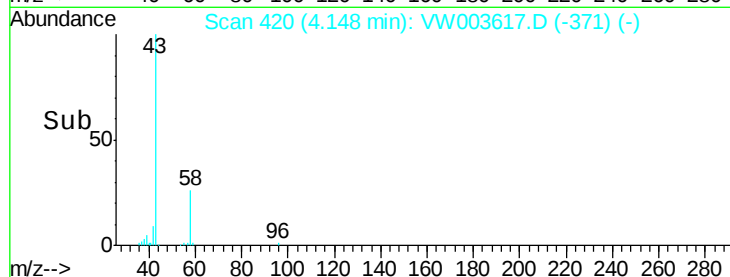
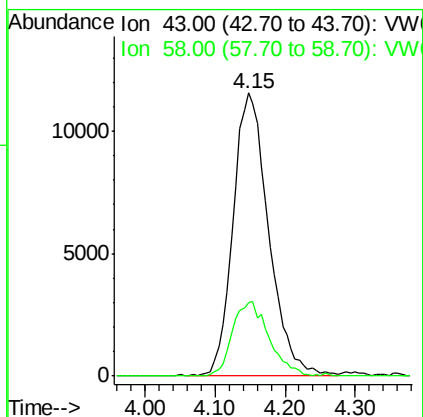
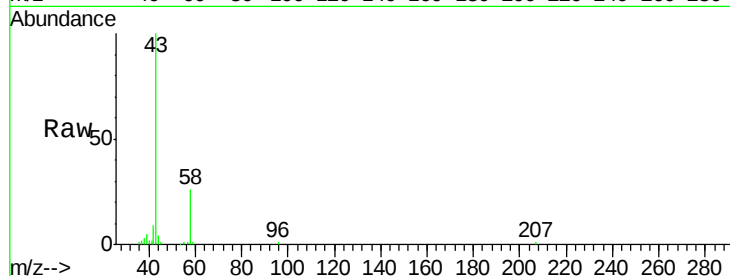
ClientSampleId :

Tot Ion: 43 Resp: 40902

Ion Ratio Lower Upper

43 100

58 26.0 22.6 34.0



#18

Methyl Acetate

Concen: 10.896 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003617.D

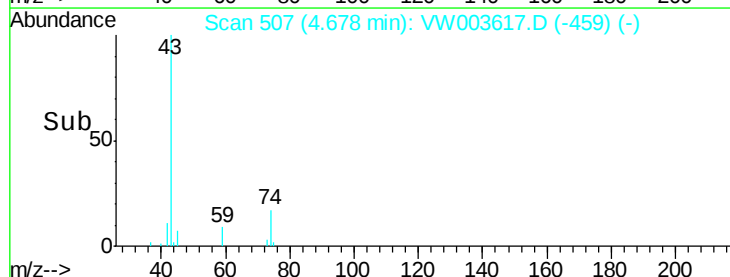
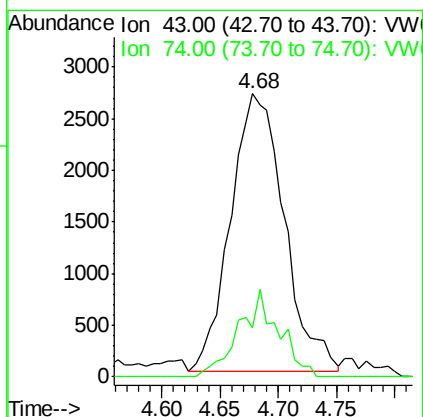
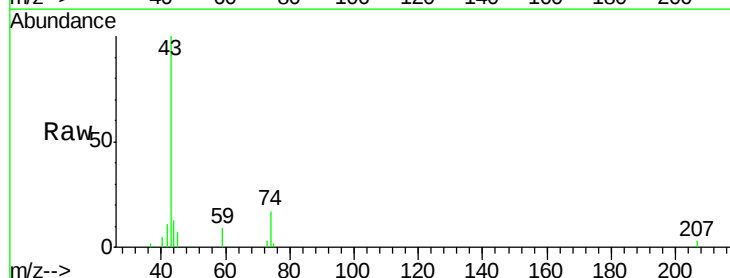
Acq: 27 Jun 2018 16:49

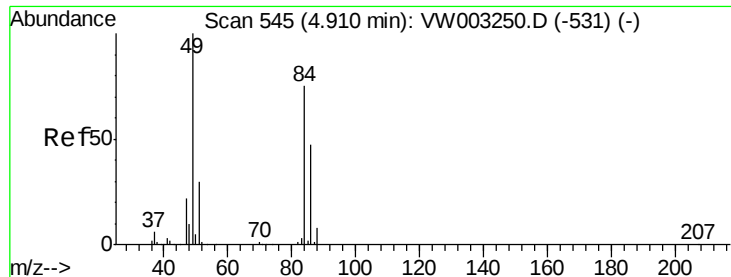
Tgt Ion: 43 Resp: 8591

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1

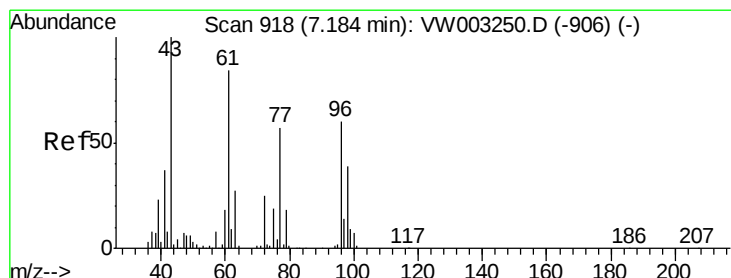
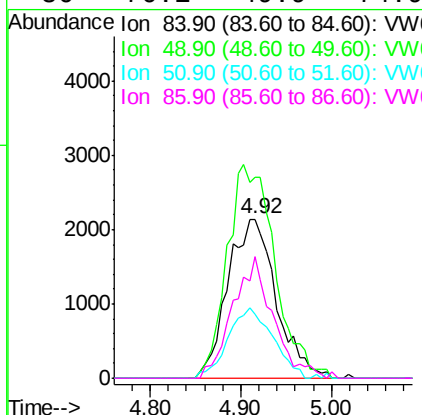
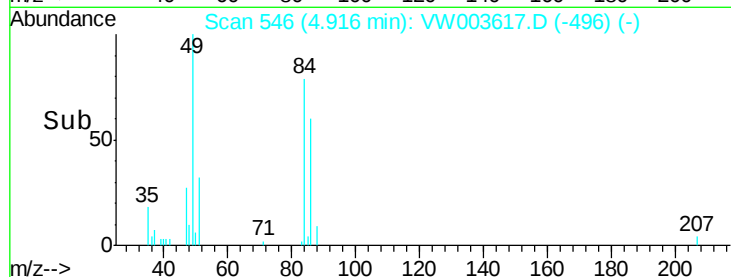
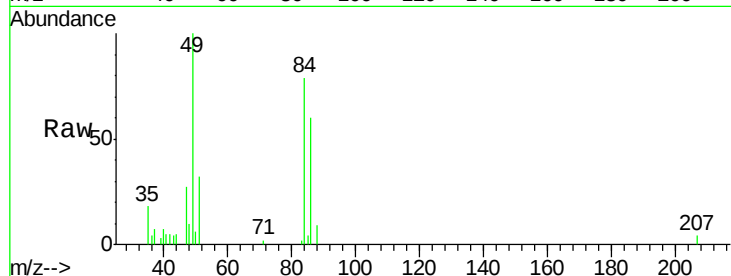




#20
Methvlene Chloride
Concen: 2.084 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

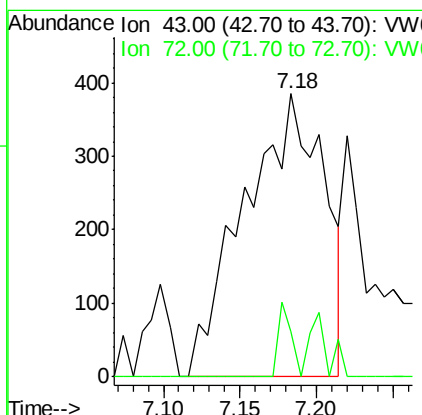
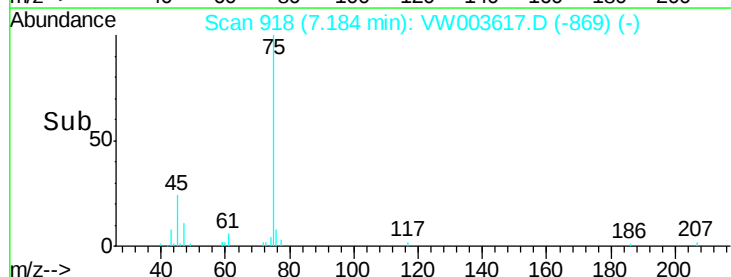
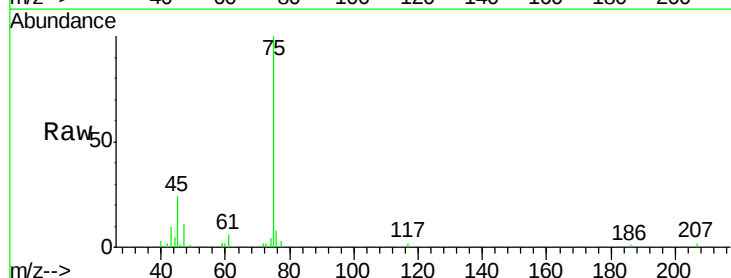
Instrument :
MSVOA_W
ClientSampled :

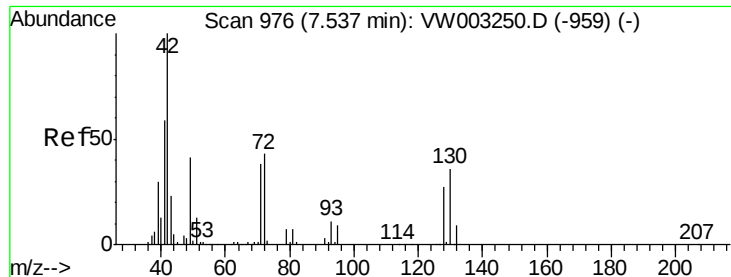
Tot Ion: 84 Resp: 7909
Ion Ratio Lower Upper
84 100
49 126.2 106.3 159.5
51 40.4 32.0 48.0
86 76.1 49.9 74.9#



#25
2-Butanone
Concen: 3.371 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
72 32.5 20.3 30.5#

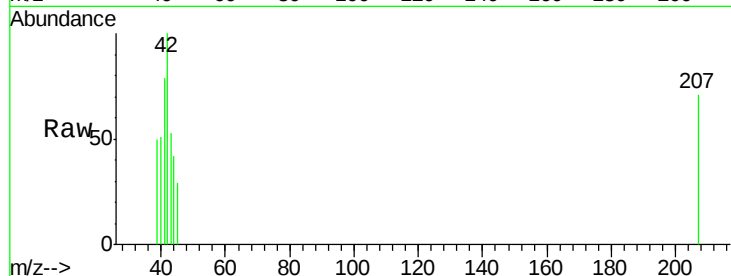




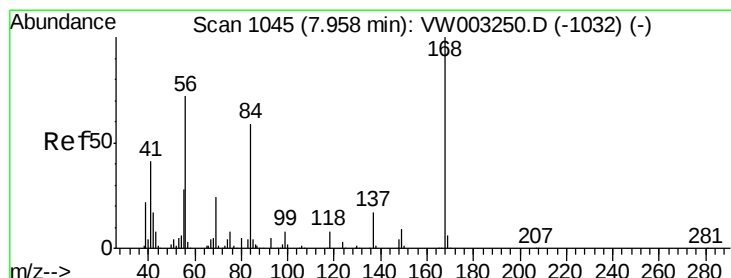
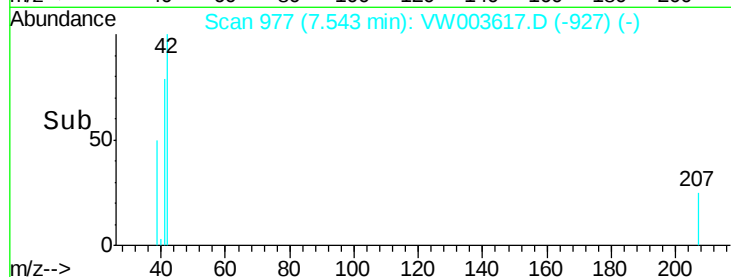
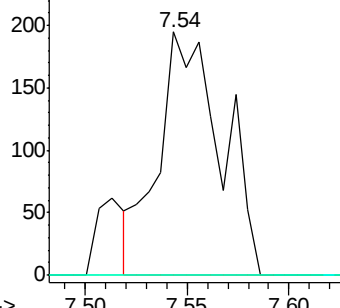
#29
Tetrahydrofuran
Concen: 1.663 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 420
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.2 46.8#

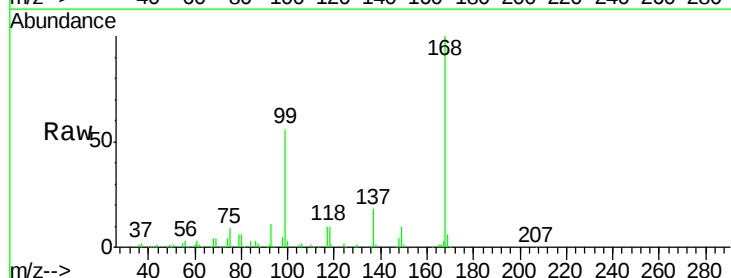


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

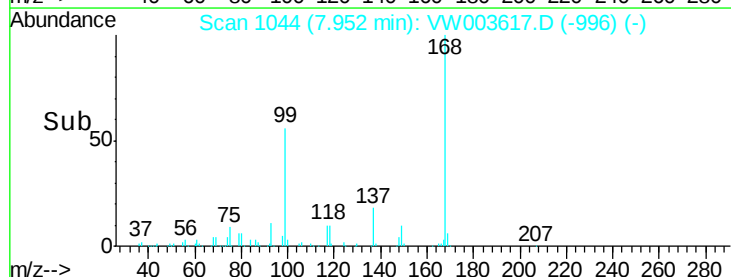
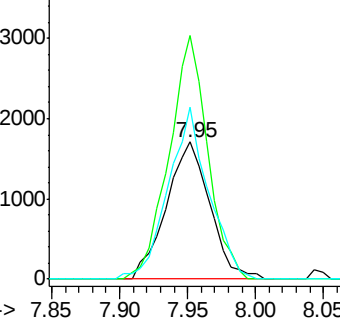


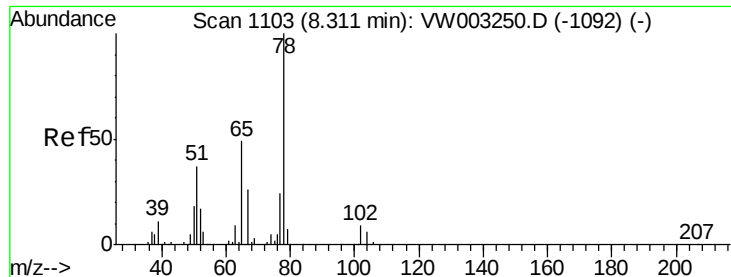
#31
Cyclohexane
Concen: 1.491 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Tgt Ion: 56 Resp: 3818
Ion Ratio Lower Upper
56 100
69 177.5 26.3 39.5#
84 125.3 65.7 98.5#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

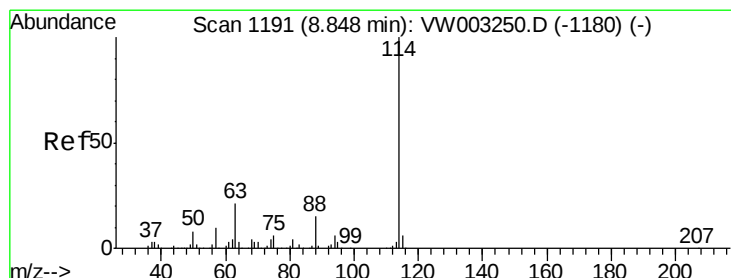
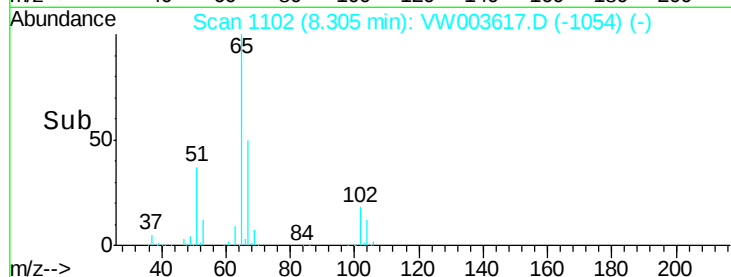
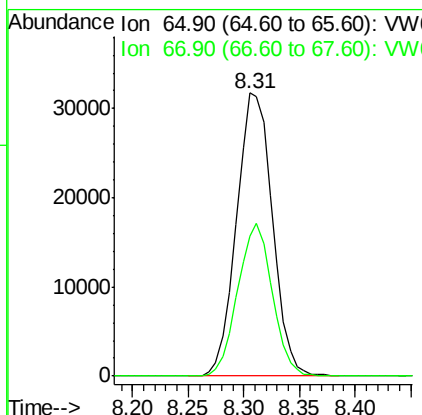
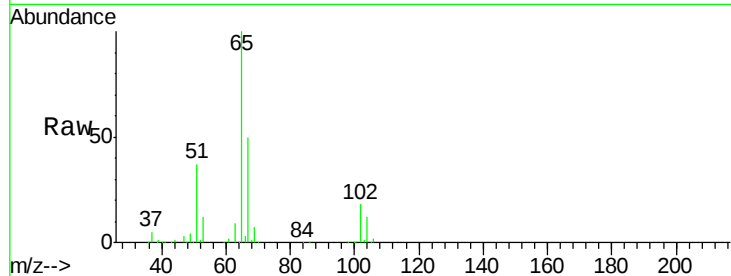




#33
 1,2-Dichloroethane-d4
 Concen: 44.833 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW003617.D
 Acq: 27 Jun 2018 16:49

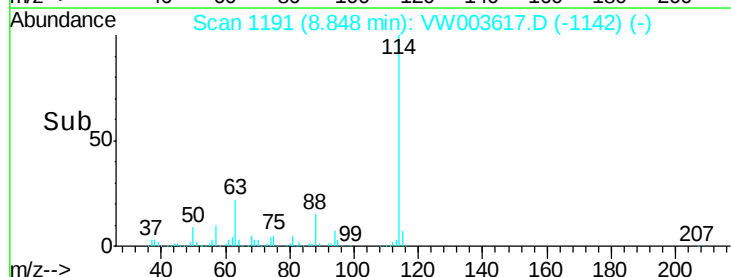
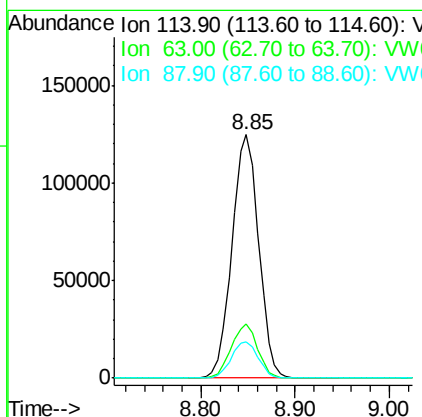
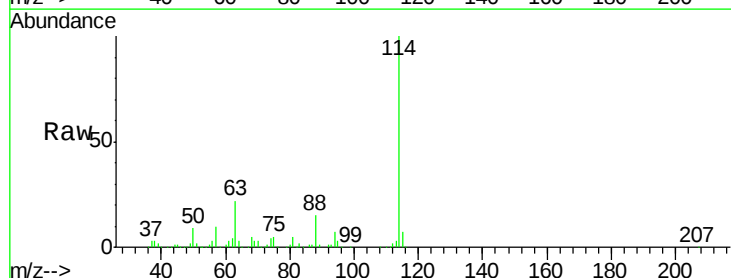
Instrument :
 MSVOA_W
 ClientSampleId :

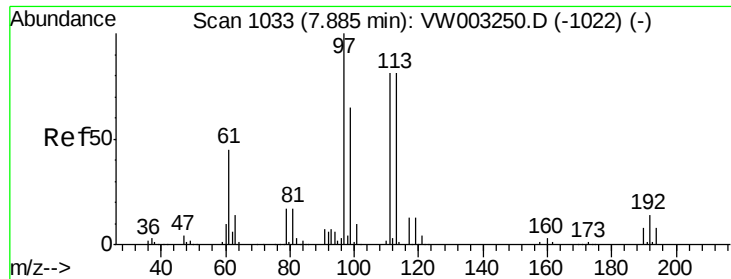
Tot Ion: 65 Resp: 71048
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003617.D
 Acq: 27 Jun 2018 16:49

Tgt Ion: 114 Resp: 245040
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.0
 88 15.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 41.876 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003617.D

Acq: 27 Jun 2018 16:49

Instrument :
MSVOA_W
ClientSampleId :

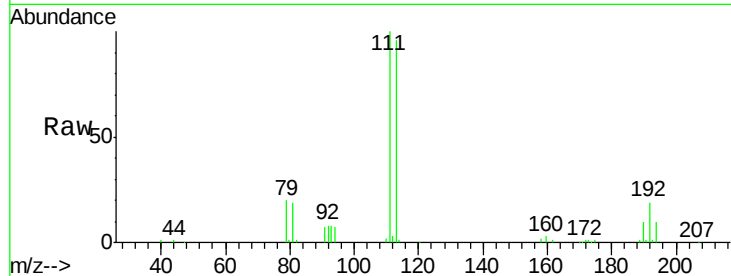
Tot Ion:113 Resp: 63760

Ion Ratio Lower Upper

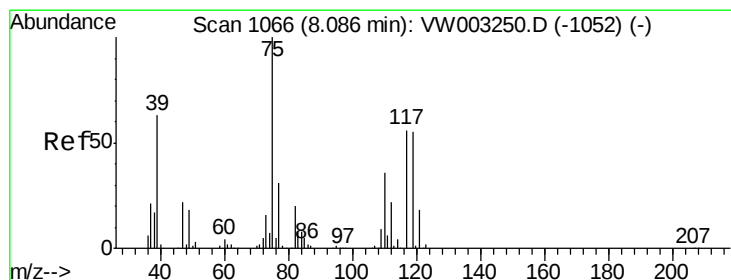
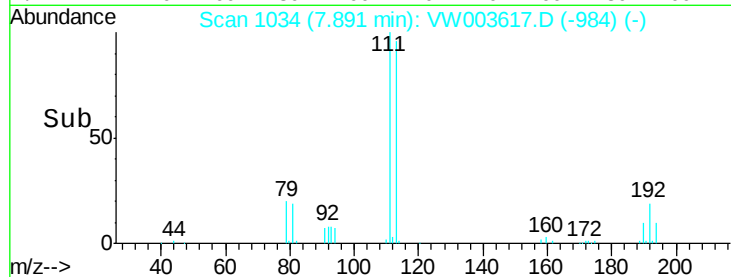
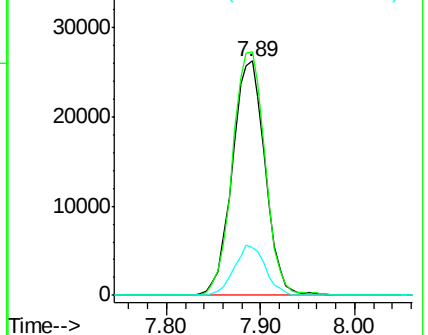
113 100

111 103.4 82.2 123.2

192 20.1 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.350 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003617.D

Acq: 27 Jun 2018 16:49

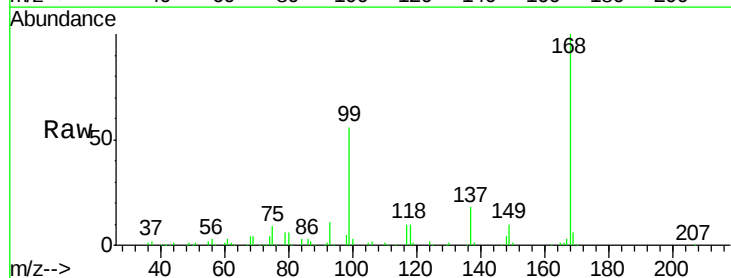
Tgt Ion: 75 Resp: 12661

Ion Ratio Lower Upper

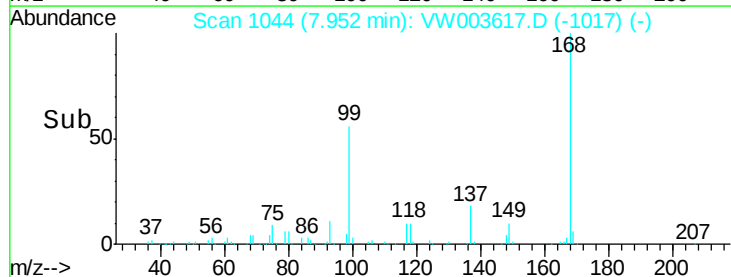
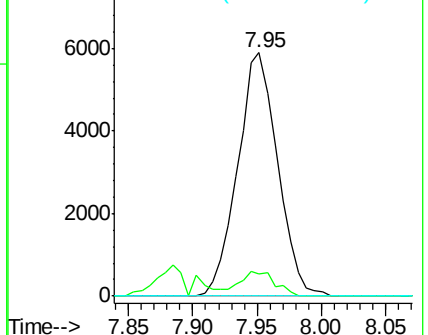
75 100

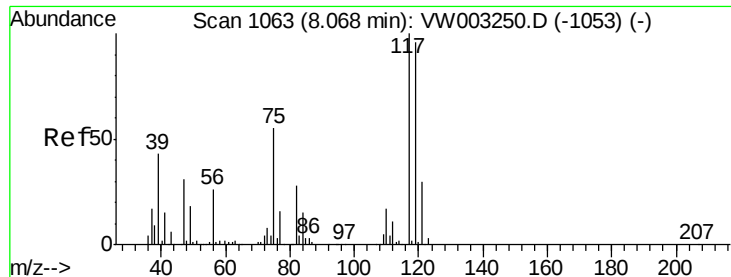
110 9.0 17.1 51.3#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.258 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003617.D

Acq: 27 Jun 2018 16:49

Instrument :

MSVOA_W

ClientSampleId :

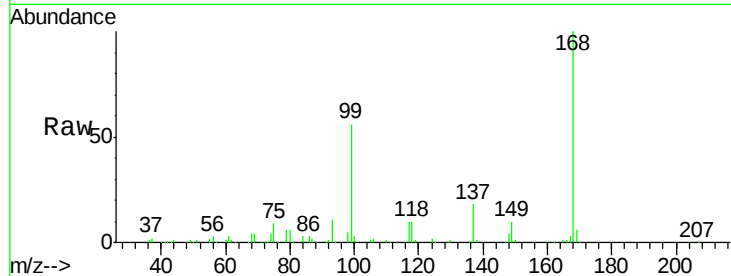
Tot Ion:117 Resp: 14527

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

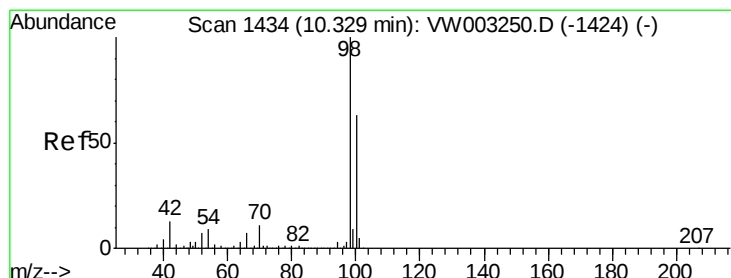
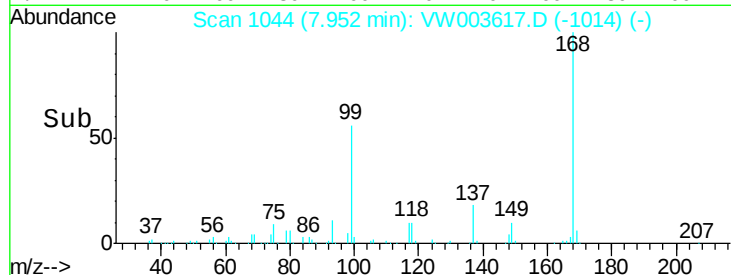
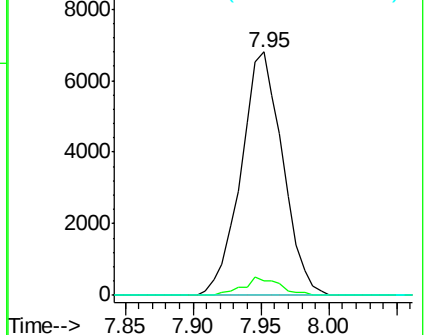
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 34.428 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003617.D

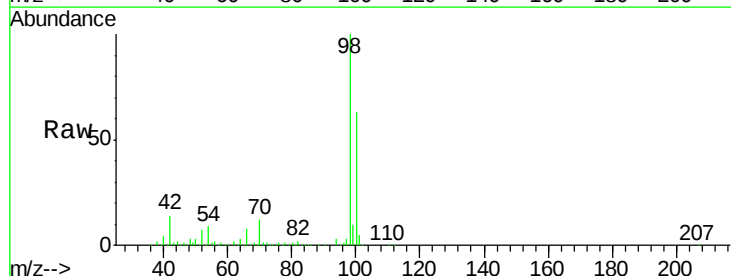
Acq: 27 Jun 2018 16:49

Tgt Ion: 98 Resp: 207859

Ion Ratio Lower Upper

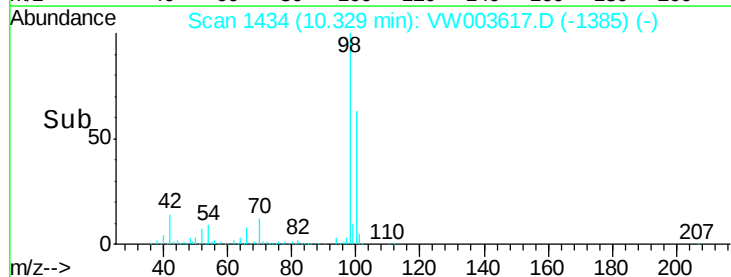
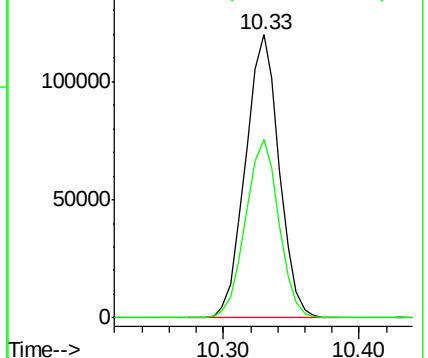
98 100

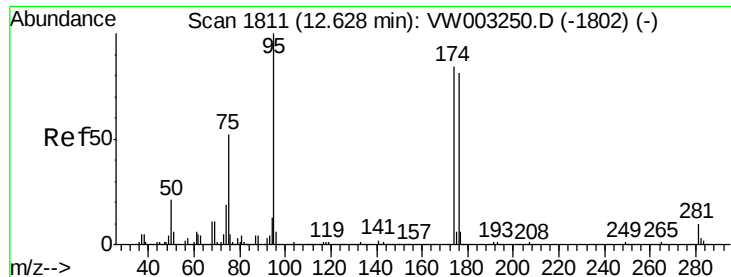
100 62.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

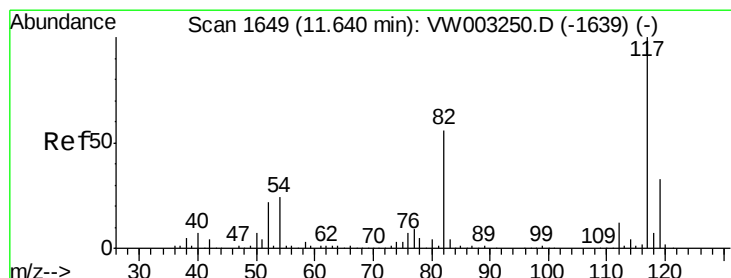
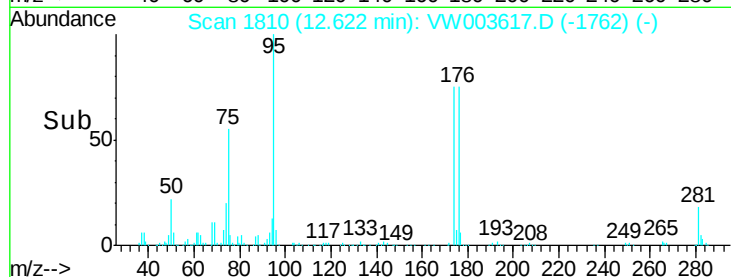
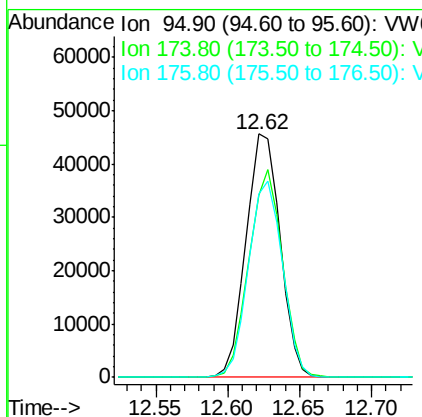
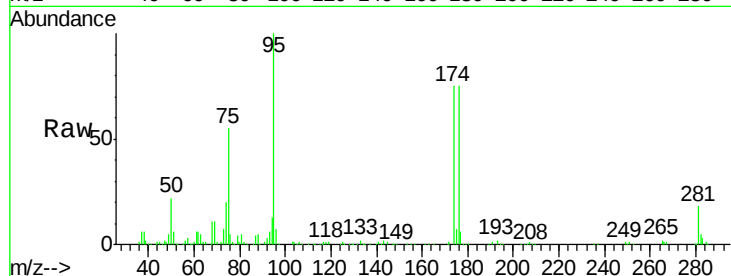




#62
4-Bromofluorobenzene
Concen: 35.057 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

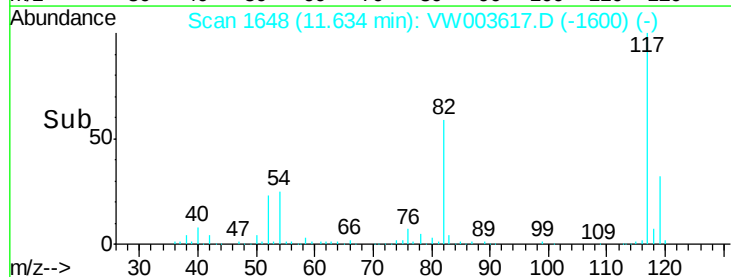
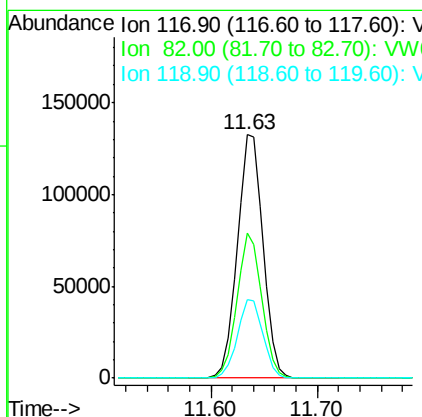
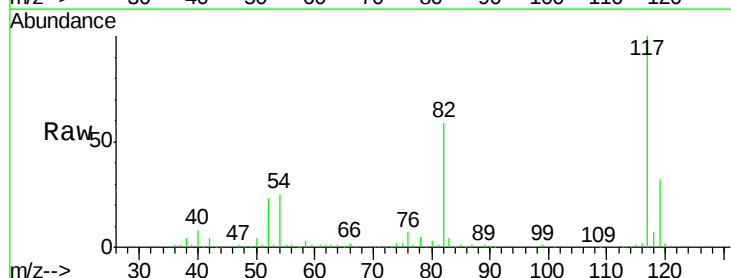
Instrument :
MSVOA_W
ClientSampleId :

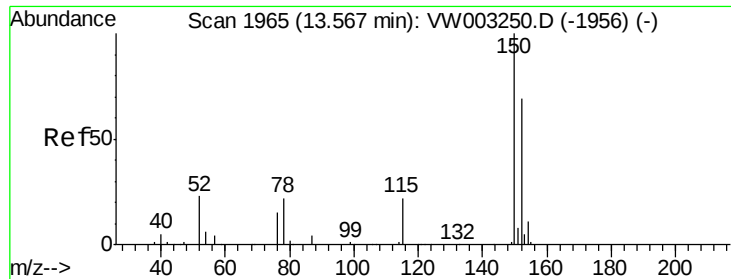
Tot Ion: 95 Resp: 74904
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.4
176 80.3 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Tgt Ion: 117 Resp: 224701
Ion Ratio Lower Upper
117 100
82 59.4 44.6 67.0
119 32.1 26.7 40.1



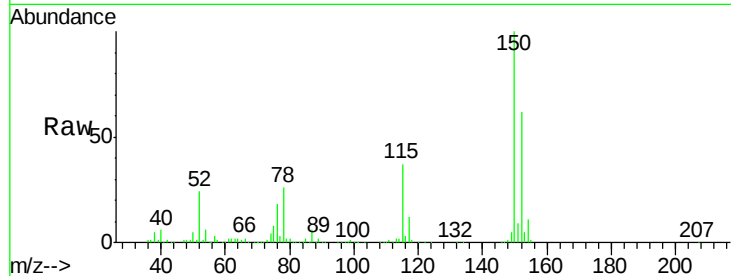


#72

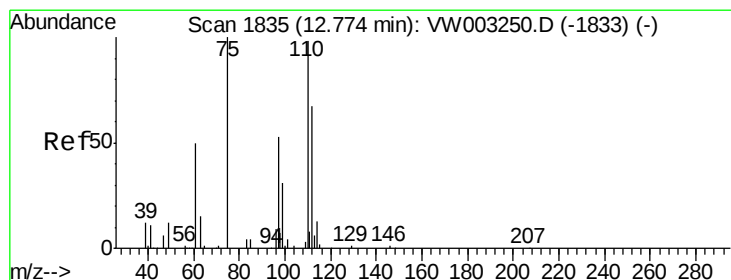
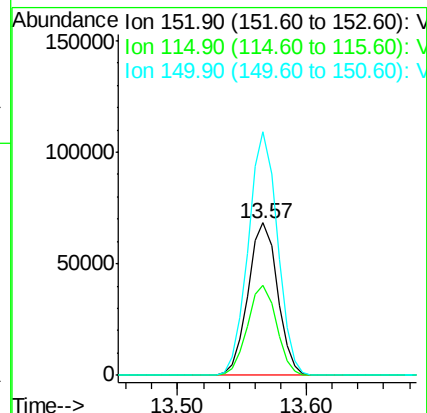
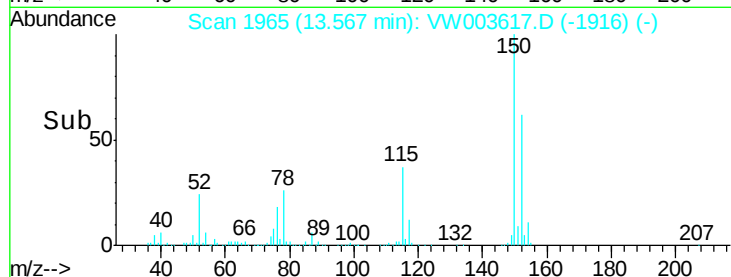
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 107762
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 158.3 0.0 349.6



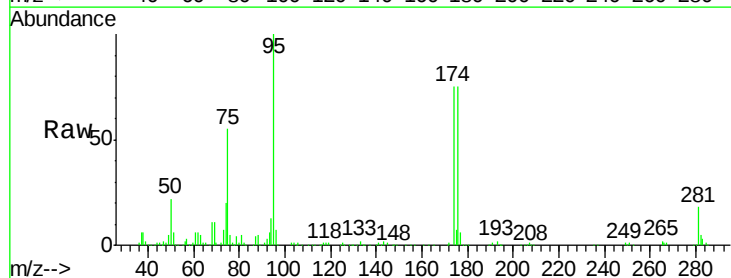
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



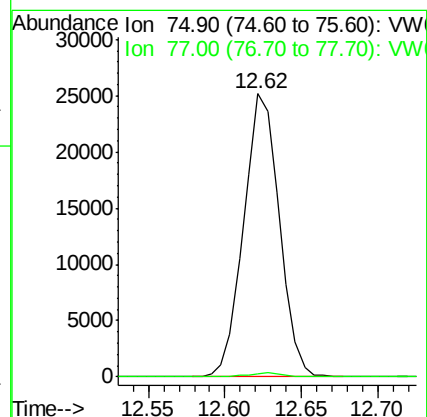
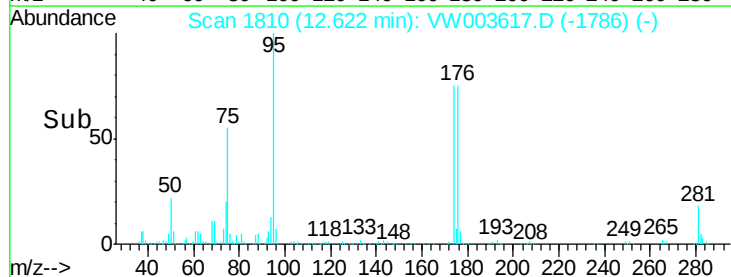
#76

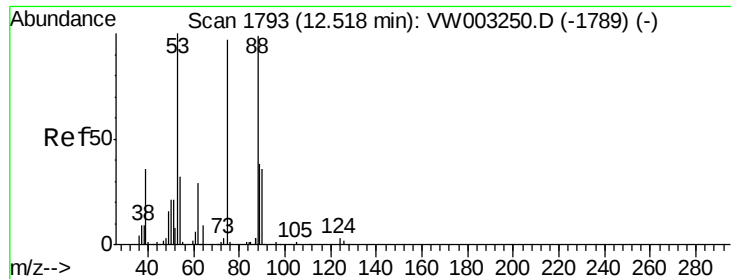
1,2,3-Trichloropropane
Concen: 44.264 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003617.D
Acq: 27 Jun 2018 16:49

Tgt Ion: 75 Resp: 40778
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: 101.854 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003617.D

Acq: 27 Jun 2018 16:49

Instrument :

MSVOA_W

ClientSampleId :

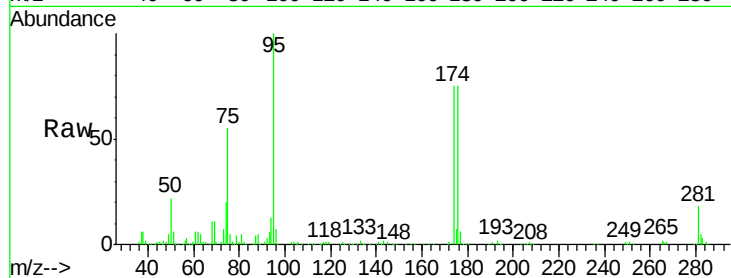
Tot Ion: 75 Resp: 40778

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.3 36.7 55.1#



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

