

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003618.D
 Acq On : 27 Jun 2018 17:15
 Operator : SY/AP
 Sample : J3665-01
 Misc : 4.93g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 05:33:39 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	140211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	234134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	100217	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	3216	2.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	4.24%	
35) Dibromofluoromethane	7.88	113	2674	1.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3.68%	
50) Toluene-d8	10.33	98	7249	1.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	2.52%	
62) 4-Bromofluorobenzene	12.63	95	2971	1.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	2.92%	

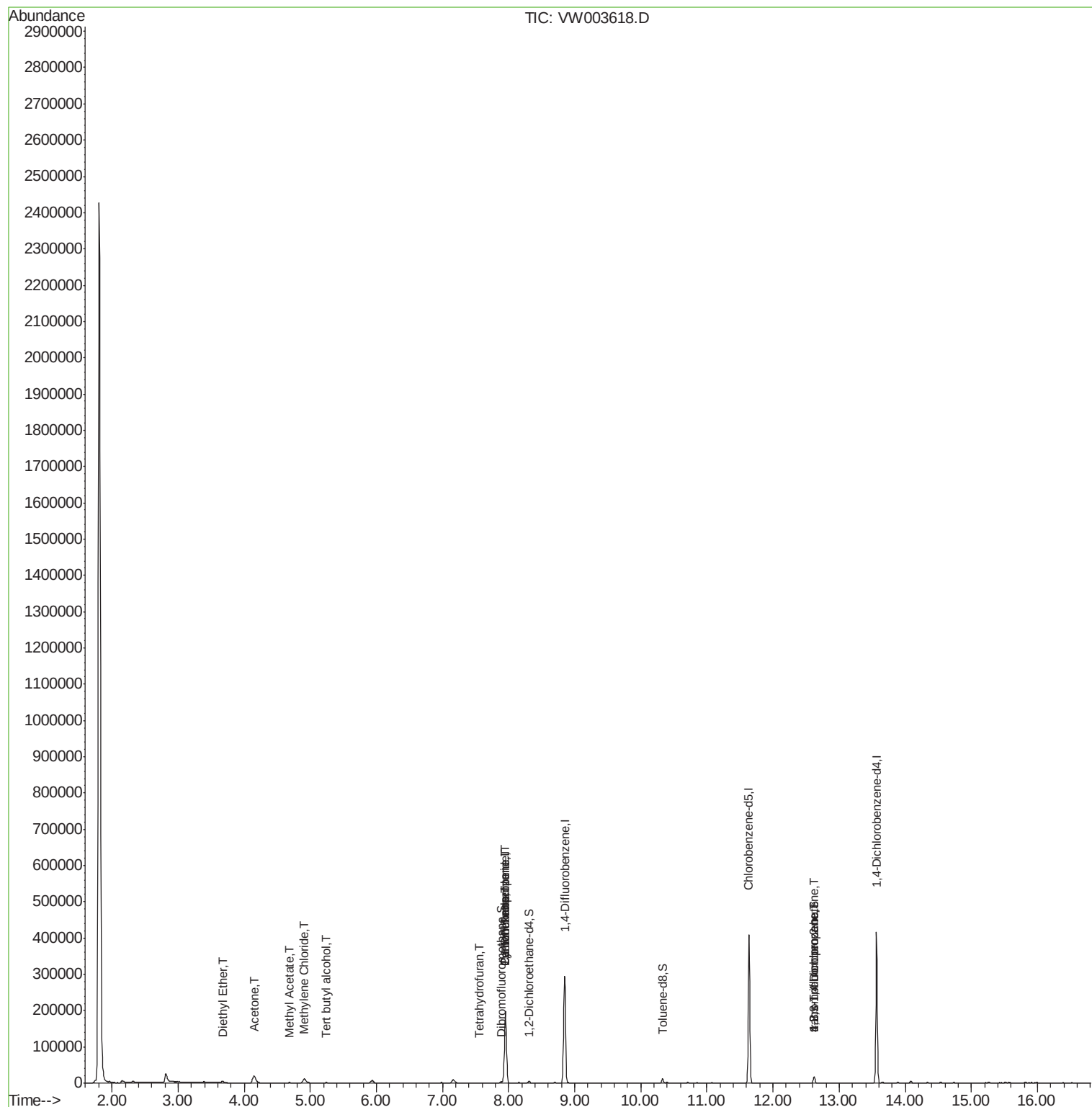
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	806	1.173	ug/l #	13
11) Tert butyl alcohol	5.25	59	1446	17.753	ug/l #	97
16) Acetone	4.15	43	41619	130.665	ug/l	99
18) Methyl Acetate	4.69	43	2366	3.131	ug/l #	87
20) Methylene Chloride	4.91	84	8519	2.833	ug/l	88
29) Tetrahydrofuran	7.54	42	412	1.702	ug/l #	60
31) Cyclohexane	7.95	56	4011	1.634	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	12178	5.386	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14342	6.466	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	1737	2.027	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1737	4.665	ug/l #	8

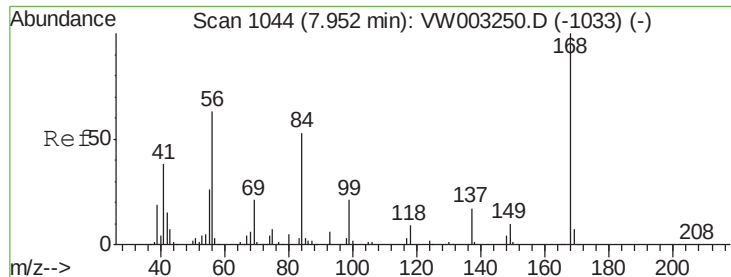
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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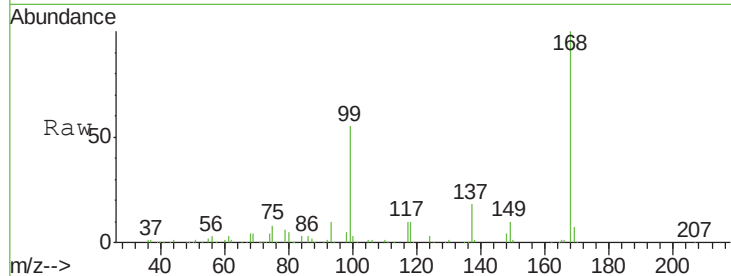


#1

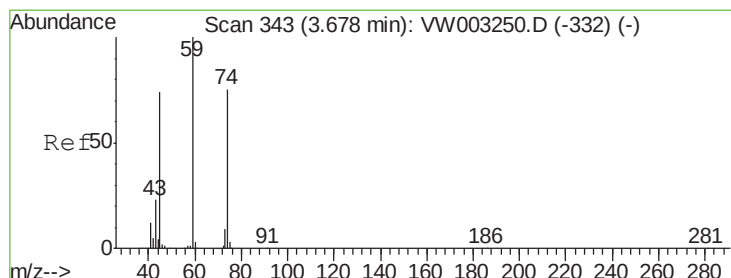
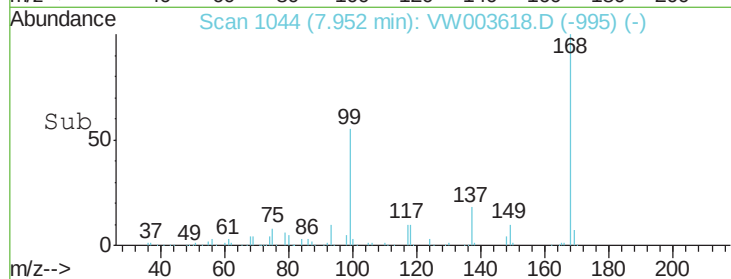
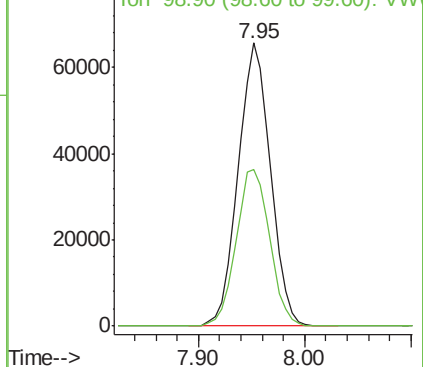
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:168 Resp: 140211
 Ion Ratio Lower Upper
 168 100
 99 55.3 45.5 68.3



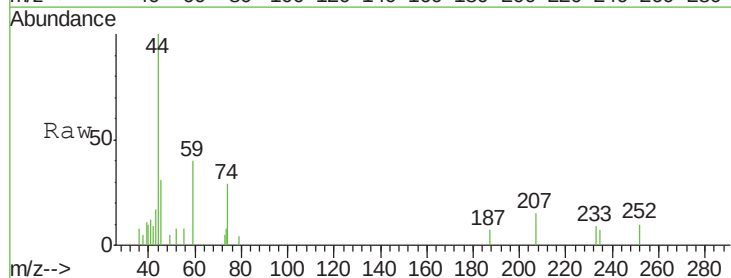
Abundance Ion 167.90 (167.60 to 168.60): V



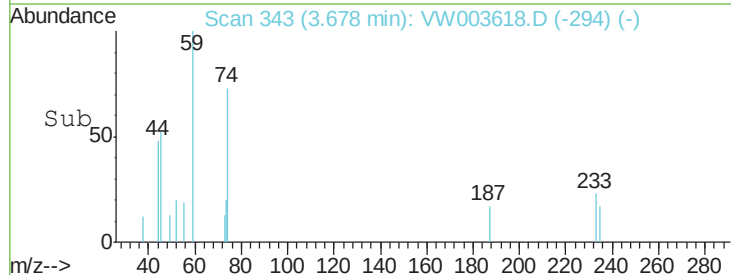
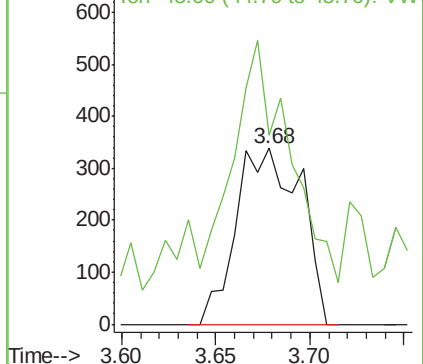
#8

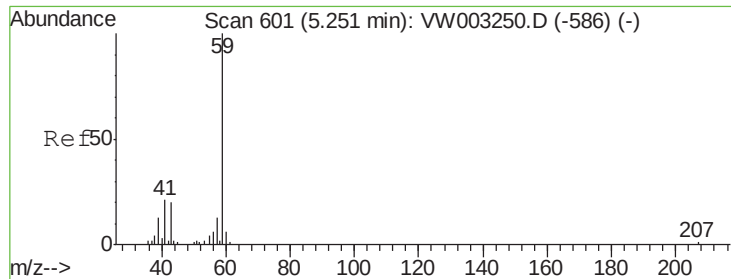
Diethyl Ether
 Concen: 1.173 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Tgt Ion: 74 Resp: 806
 Ion Ratio Lower Upper
 74 100
 45 190.9 51.4 154.2#



Abundance Ion 74.00 (73.70 to 74.70): VW



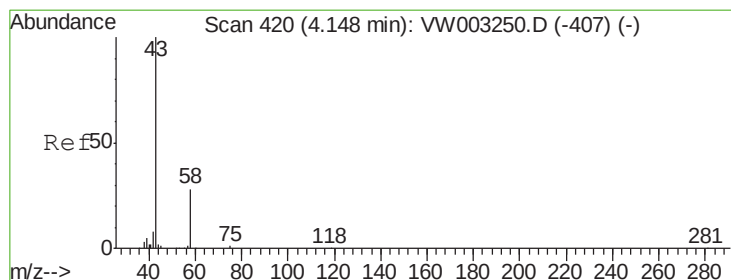
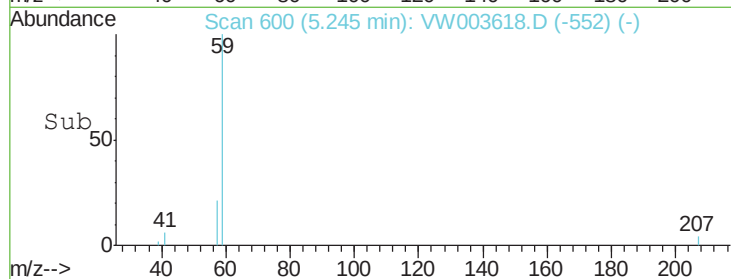
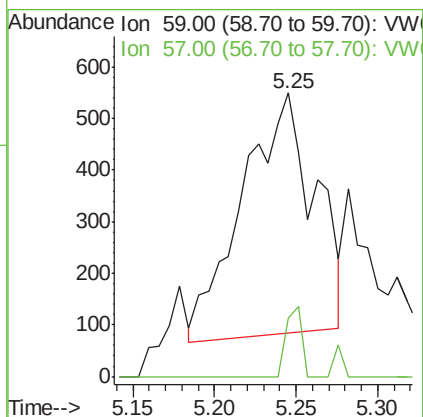
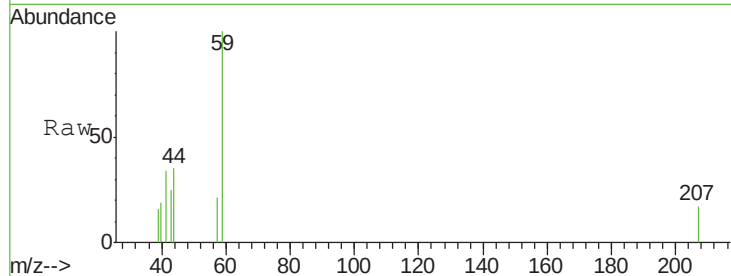


#11

Tert butyl alcohol
 Concen: 17.753 ug/l
 RT: 5.25 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Instrument :
 MSVOA_W
 ClientSampled :

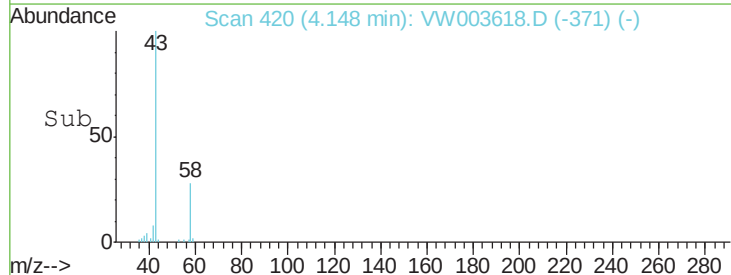
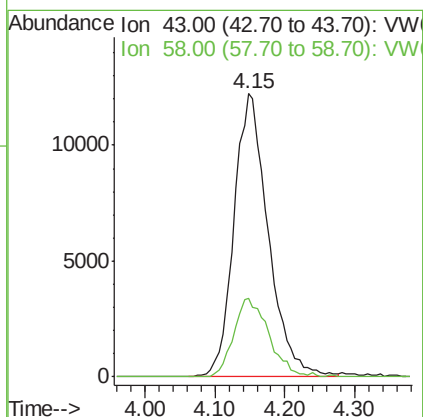
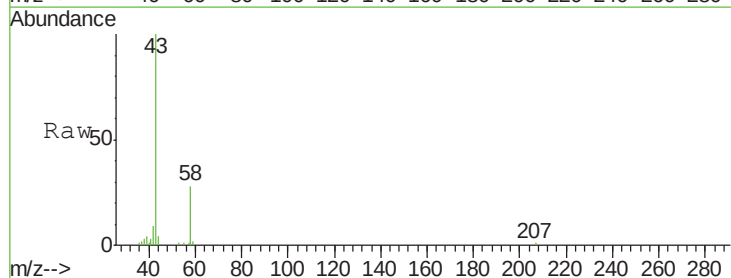
Tot Ion: 59 Resp: 1446
 Ion Ratio Lower Upper
 59 100
 57 6.3 4.2 6.2#

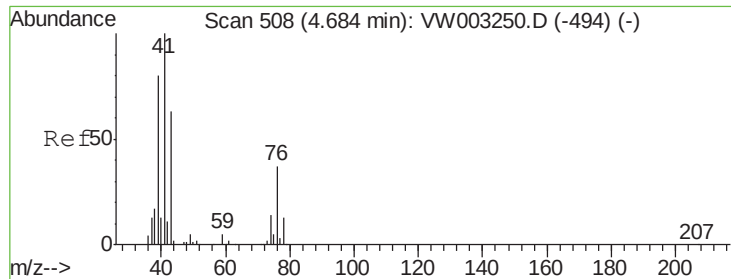


#16

Acetone
 Concen: 130.665 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Tgt Ion: 43 Resp: 41619
 Ion Ratio Lower Upper
 43 100
 58 27.7 22.6 34.0





#18

Methyl Acetate

Concen: 3.131 ug/l

RT: 4.69 min Scan# 509

Delta R.T. 0.01 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :

MSVOA_W

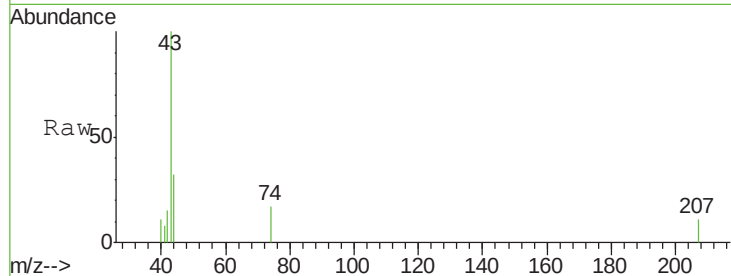
ClientSampleId :

Tot Ion: 43 Resp: 2366

Ion Ratio Lower Upper

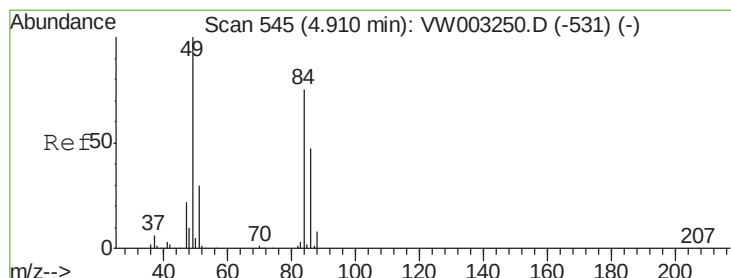
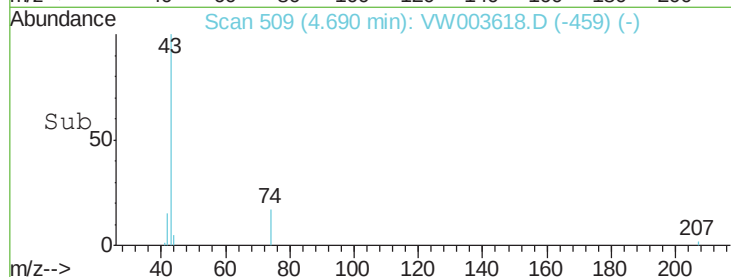
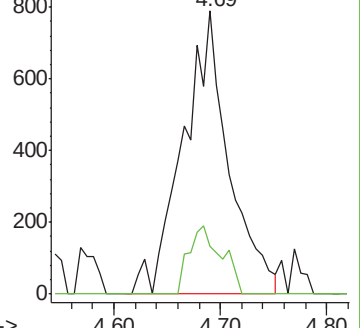
43 100

74 17.3 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: 2.833 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Tgt Ion: 84 Resp: 8519

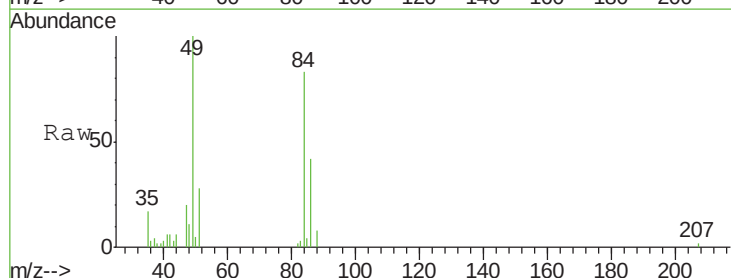
Ion Ratio Lower Upper

84 100

49 121.0 106.3 159.5

51 33.3 32.0 48.0

86 50.6 49.9 74.9

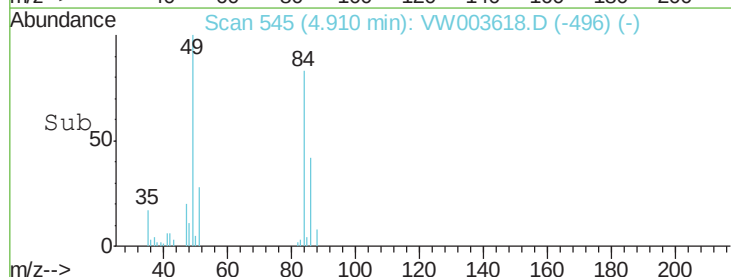
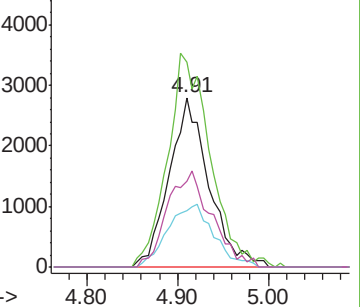


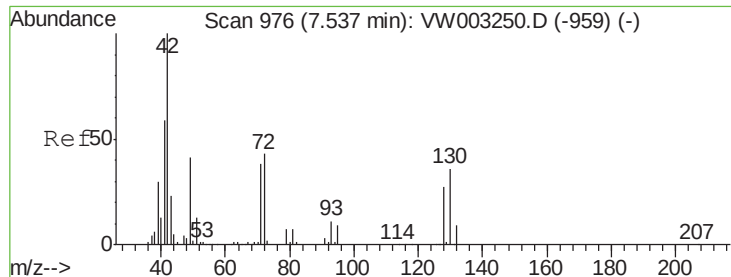
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#29

Tetrahydrofuran

Concen: 1.702 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

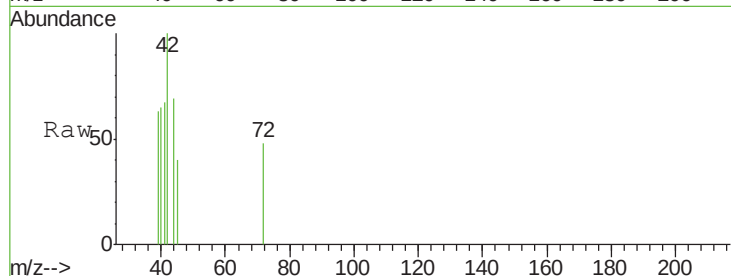
Tot Ion: 42 Resp: 412

Ion Ratio Lower Upper

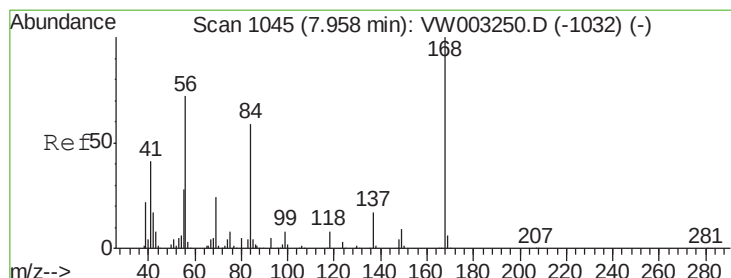
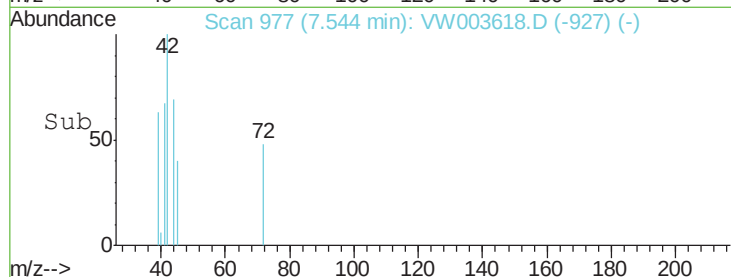
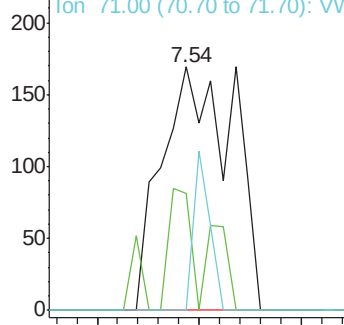
42 100

72 14.8 32.4 48.6#

71 15.0 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: 1.634 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

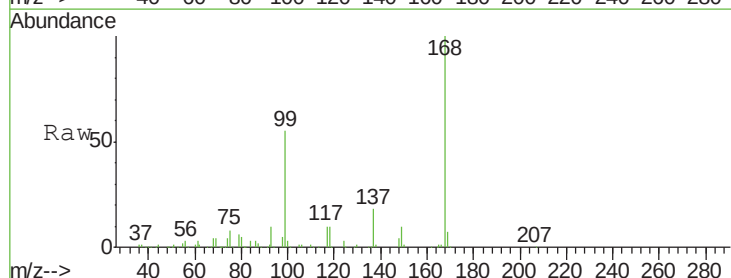
Tgt Ion: 56 Resp: 4011

Ion Ratio Lower Upper

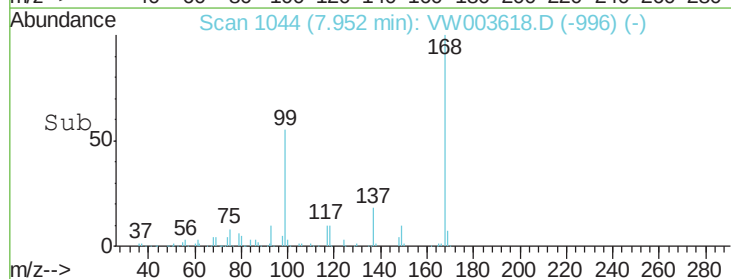
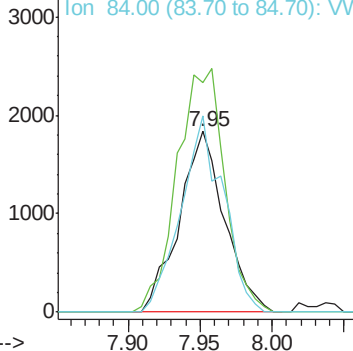
56 100

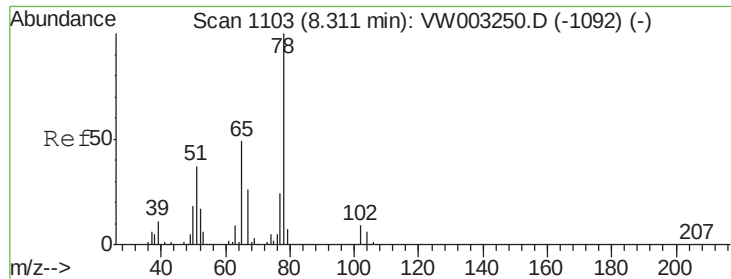
69 126.9 26.3 39.5#

84 108.5 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: 2.118 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :

MSVOA_W

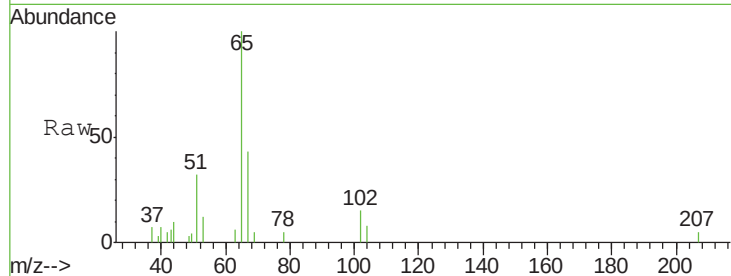
ClientSampleId :

Tot Ion: 65 Resp: 3216

Ion Ratio Lower Upper

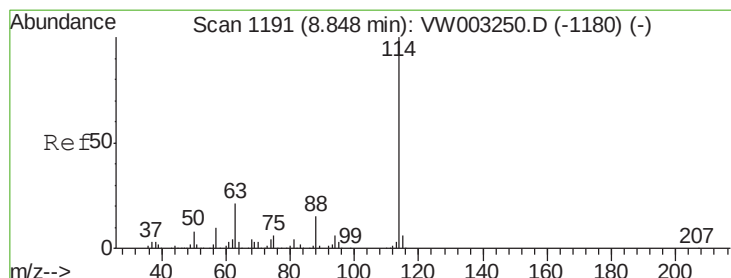
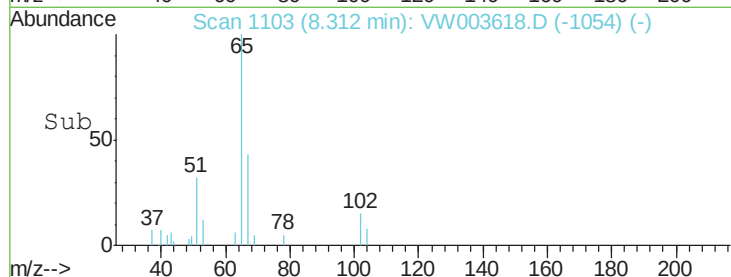
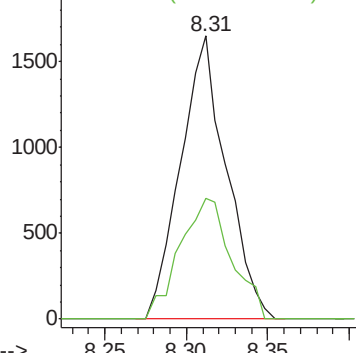
65 100

67 48.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

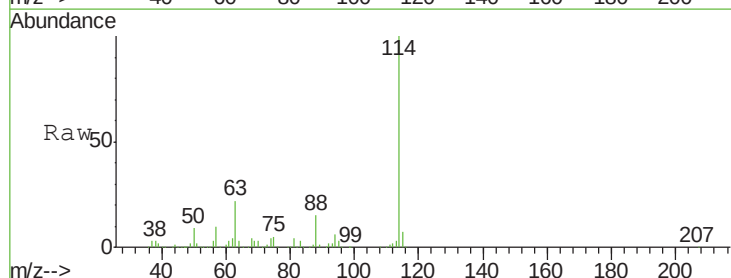
Tgt Ion: 114 Resp: 234134

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

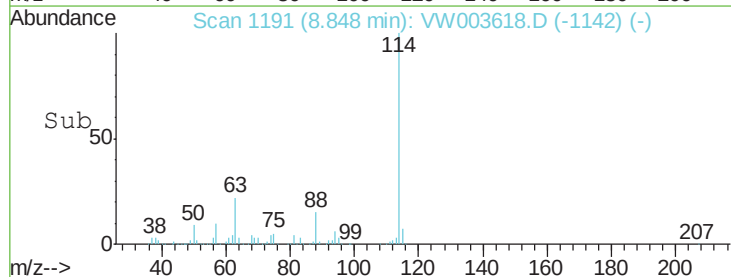
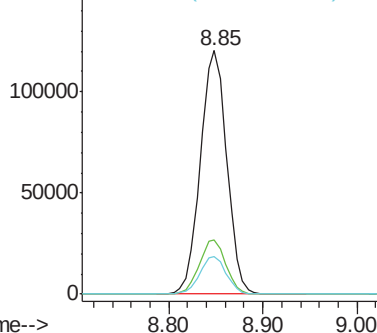
88 15.2 0.0 29.6

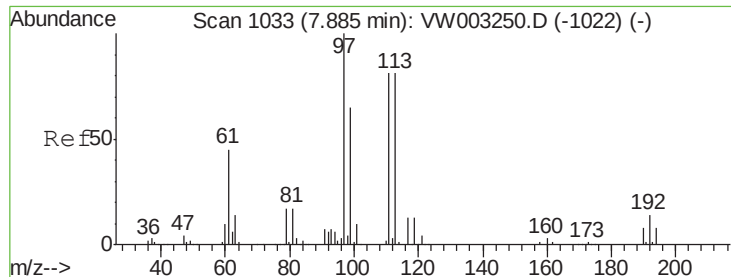


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 1.838 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :

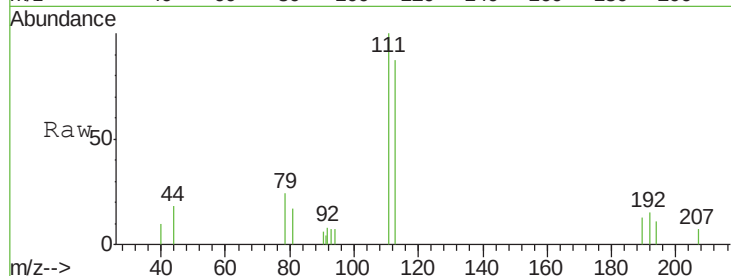
Tot Ion:113 Resp: 2674

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

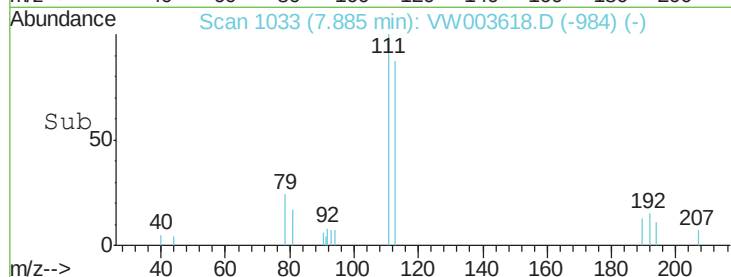
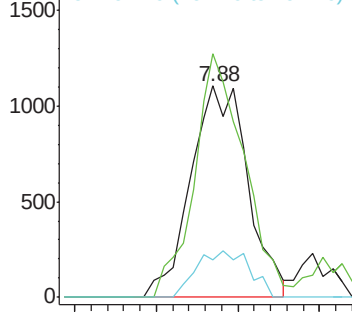
192 20.3 16.2 24.2



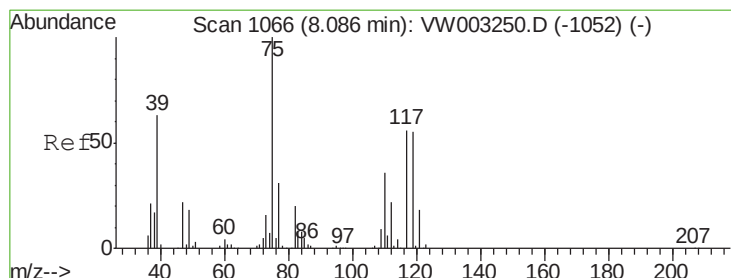
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 5.386 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

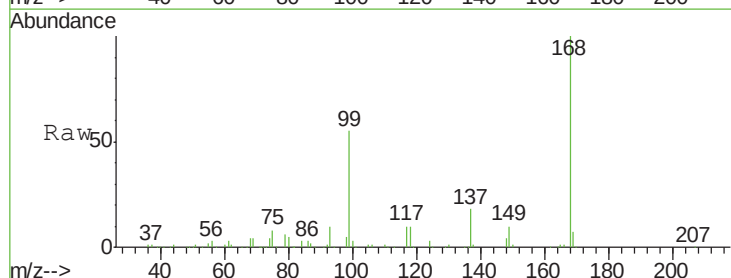
Tgt Ion: 75 Resp: 12178

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.3#

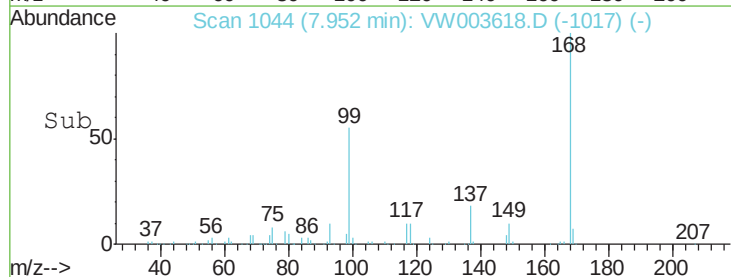
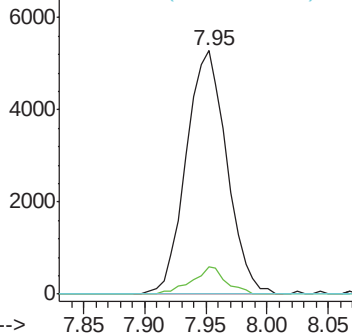
77 0.0 24.9 37.3#



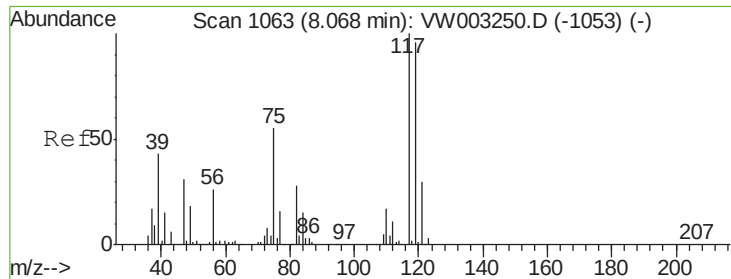
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->

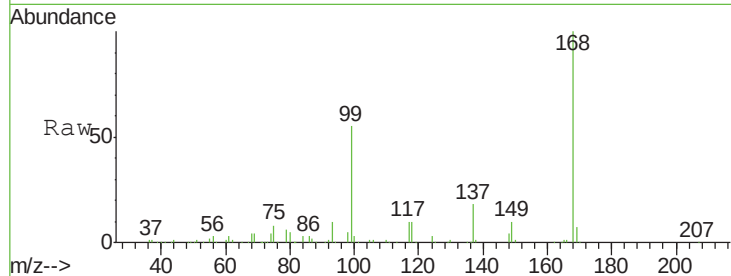


#38

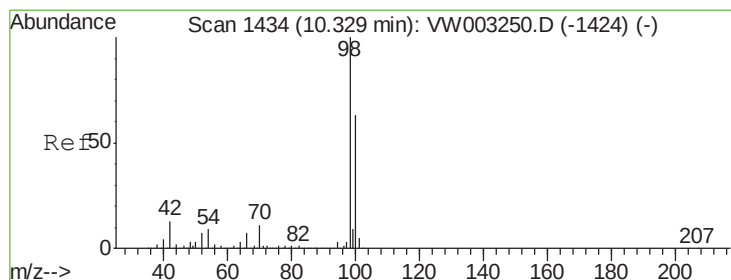
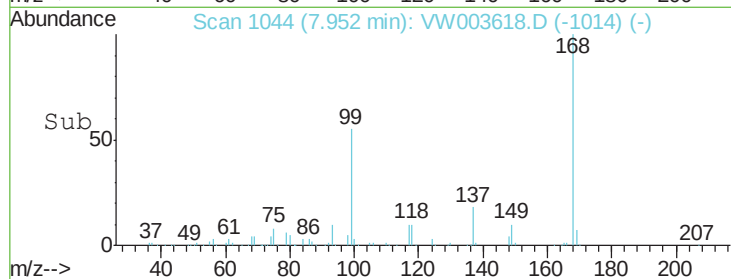
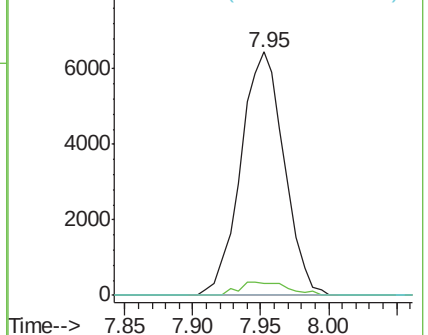
Carbon Tetrachloride
Concen: 6.466 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003618.D
Acq: 27 Jun 2018 17:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 14342
Ion Ratio Lower Upper
117 100
119 4.9 76.6 115.0#
121 0.0 23.9 35.9#



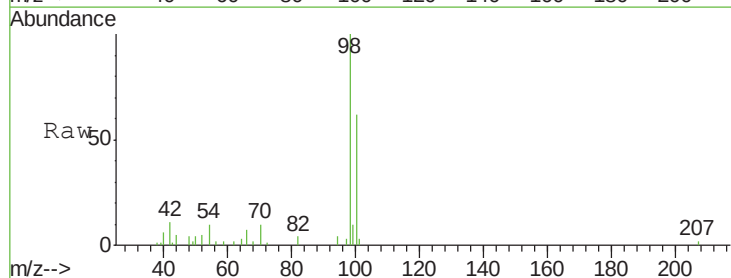
Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



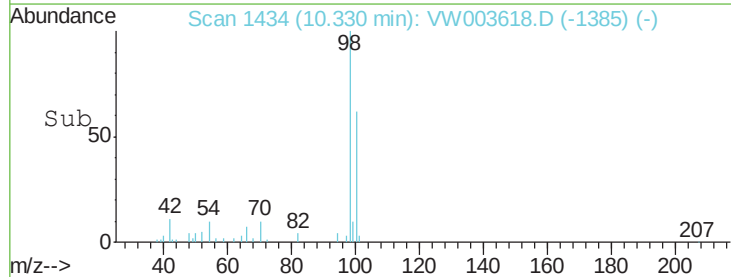
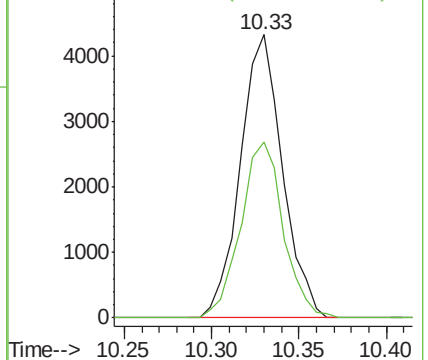
#50

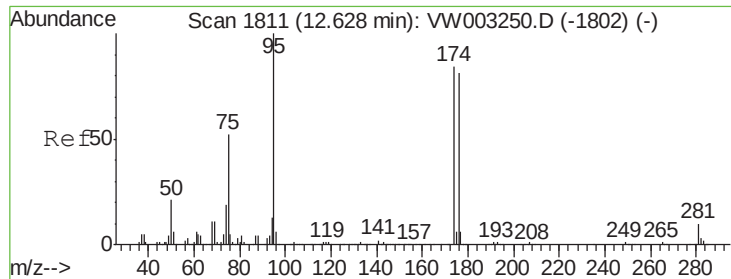
Toluene-d8
Concen: 1.257 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003618.D
Acq: 27 Jun 2018 17:15

Tgt Ion: 98 Resp: 7249
Ion Ratio Lower Upper
98 100
100 62.4 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: 1.455 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

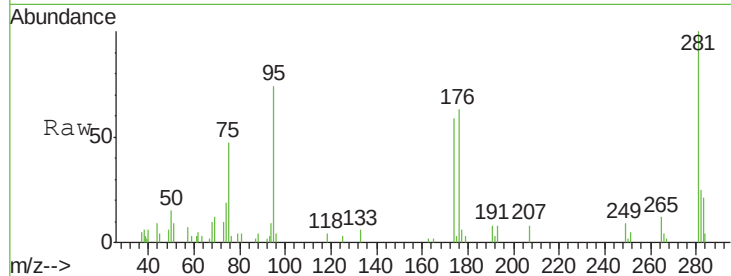
Tot Ion: 95 Resp: 2971

Ion Ratio Lower Upper

95 100

174 77.3 0.0 166.4

176 72.7 0.0 162.0

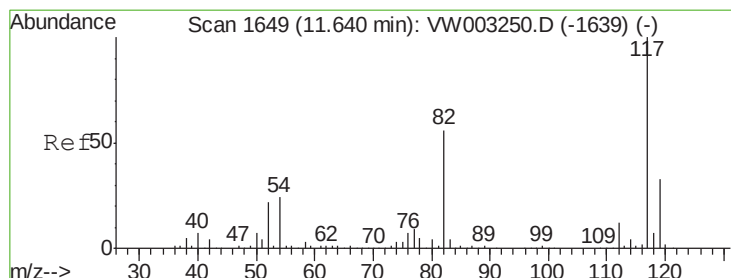
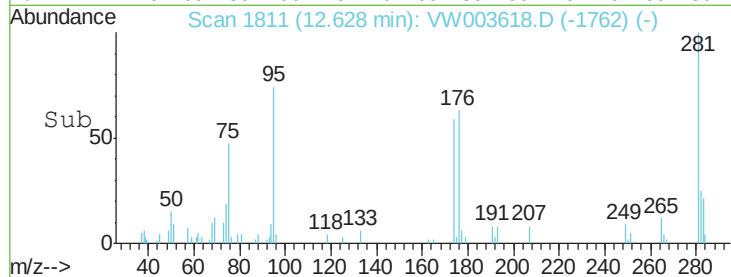
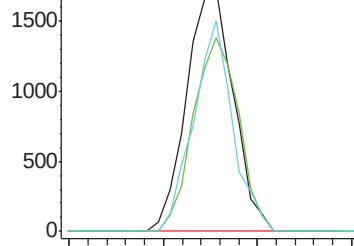


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.63



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

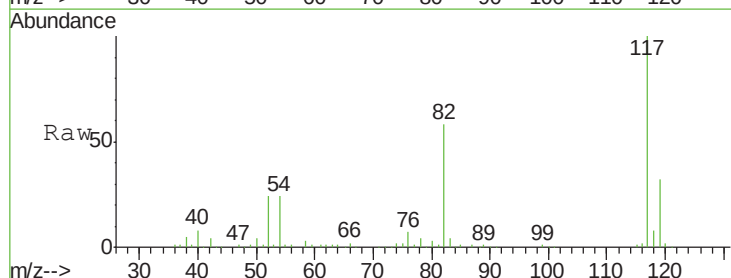
Tgt Ion: 117 Resp: 214820

Ion Ratio Lower Upper

117 100

82 58.4 44.6 67.0

119 32.4 26.7 40.1

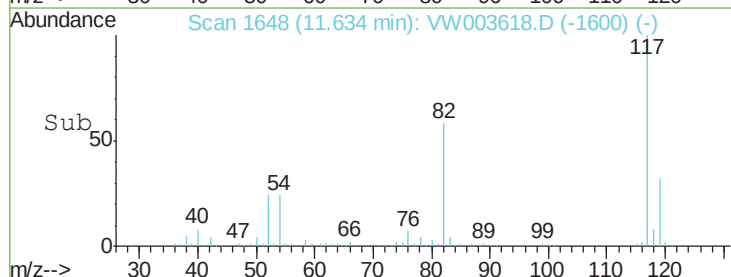
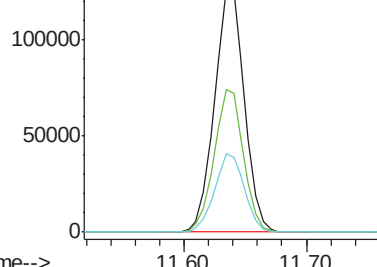


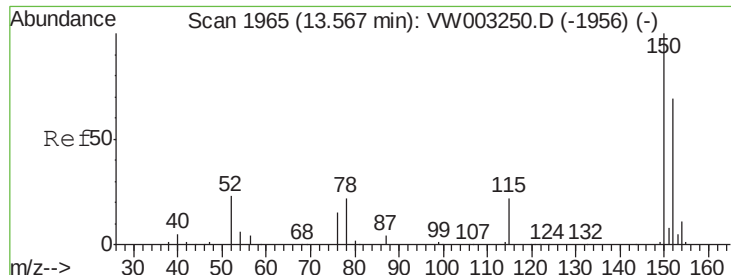
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

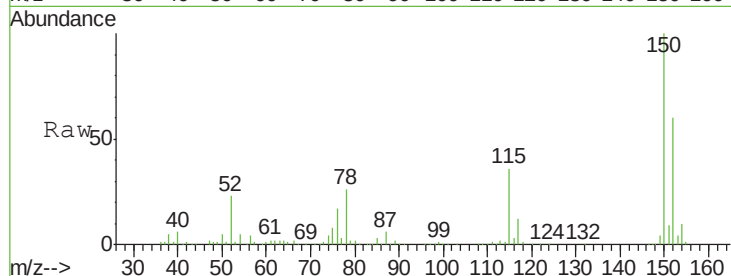




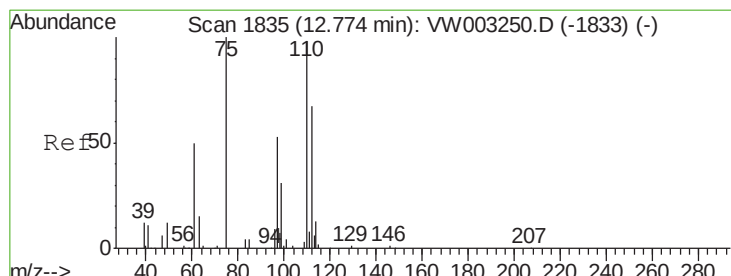
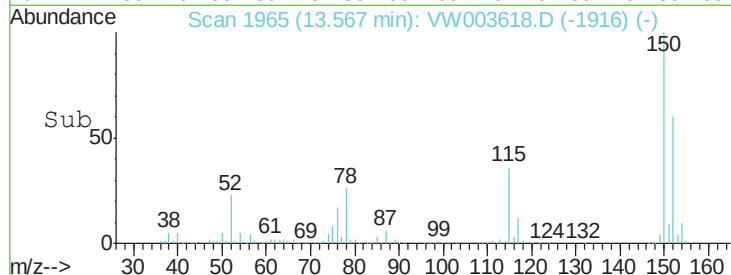
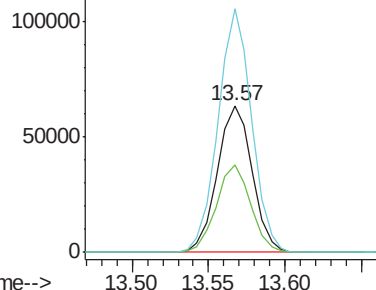
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 100217
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.3 88.0
 150 160.2 0.0 349.6

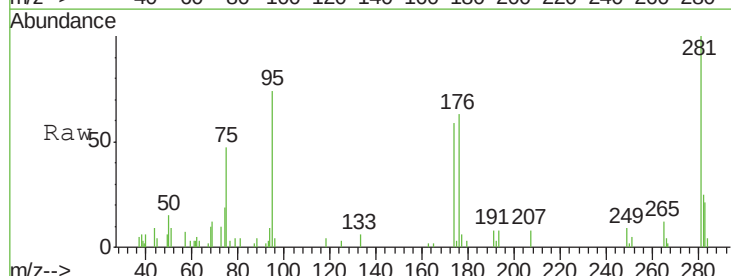


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

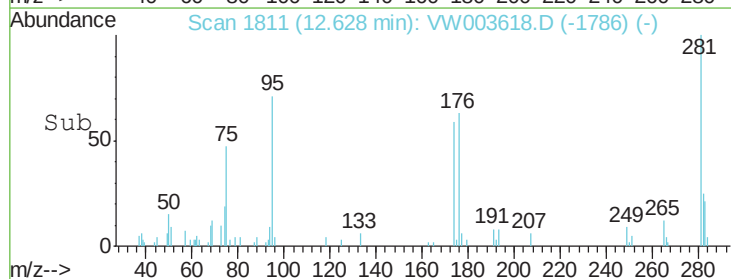
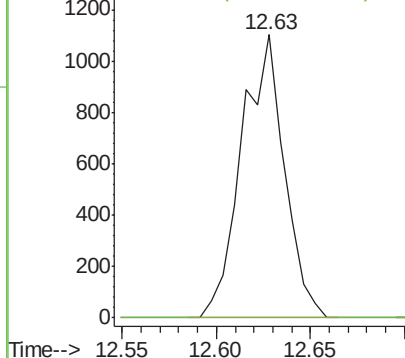


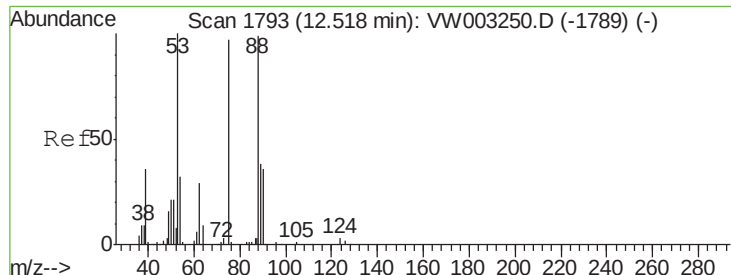
#76
 1,2,3-Trichloropropane
 Concen: 2.027 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003618.D
 Acq: 27 Jun 2018 17:15

Tgt Ion: 75 Resp: 1737
 Ion Ratio Lower Upper
 75 100
 77 0.0 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: 4.665 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

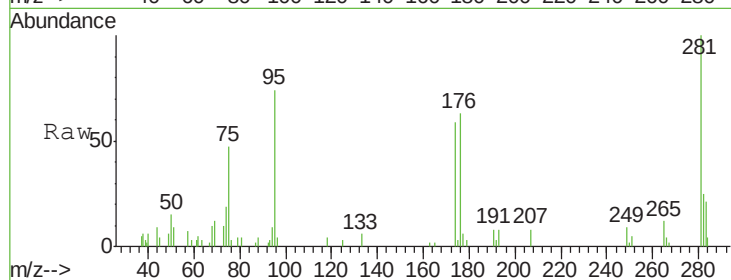
Lab File: VW003618.D

Acq: 27 Jun 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :



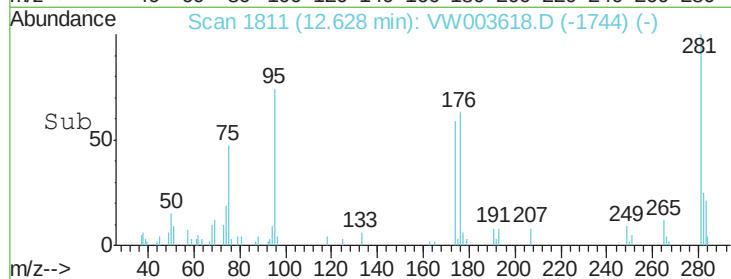
Tot Ion: 75 Resp: 1737

Ion Ratio Lower Upper

75 100

53 0.0 82.9 124.3#

89 0.0 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

