

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003591.D
 Acq On : 27 Jun 2018 01:49
 Operator : SY/AP
 Sample : J3582-09
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSP-C-3-GRABRE

Quant Time: Jun 27 07:56:46 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	94136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	150710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	21677	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	69073	67.74	ug/l	0.00
Spiked Amount			Recovery	=	135.48%	
35) Dibromofluoromethane	7.88	113	59152	63.16	ug/l	0.00
Spiked Amount			Recovery	=	126.32%	
50) Toluene-d8	10.33	98	163178	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	
62) 4-Bromofluorobenzene	12.62	95	30018	22.84	ug/l	0.00
Spiked Amount			Recovery	=	45.68%	

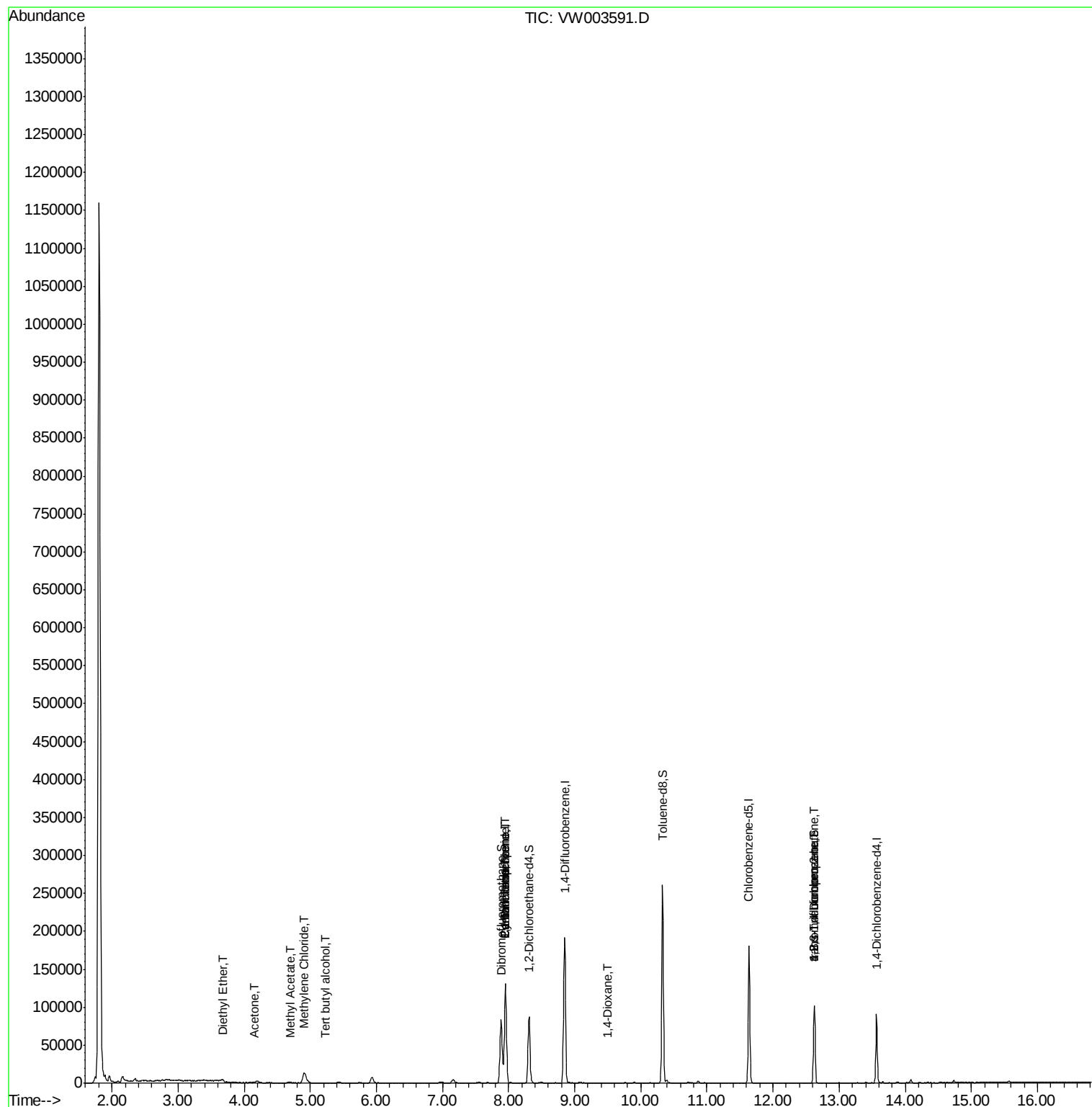
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	570	1.236	ug/l #	1
11) Tert butyl alcohol	5.23	59	168	3.072	ug/l #	84
16) Acetone	4.15	43	717	3.353	ug/l #	46
18) Methyl Acetate	4.68	43	1060	2.089	ug/l #	87
20) Methylene Chloride	4.90	84	10133	8.077	ug/l	93
31) Cyclohexane	7.95	56	2601	1.579	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	8003	5.499	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9586	6.714	ug/l #	16
49) 1,4-Dioxane	9.49	88	27	3.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	16782	90.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16782	208.384	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

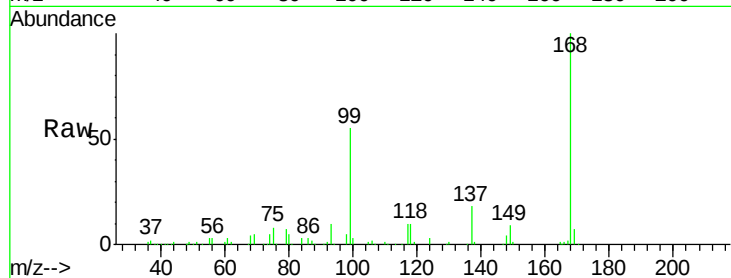
SSP-C-3-GRABRE

Tgt Ion:168 Resp: 94136

Ion Ratio Lower Upper

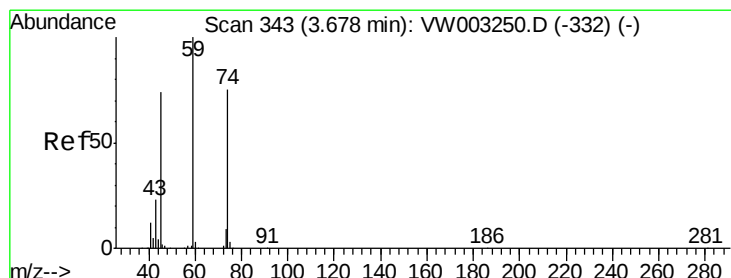
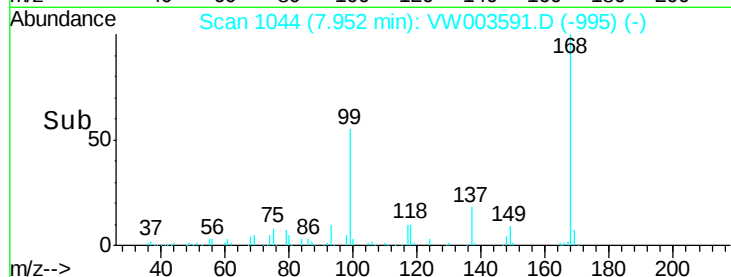
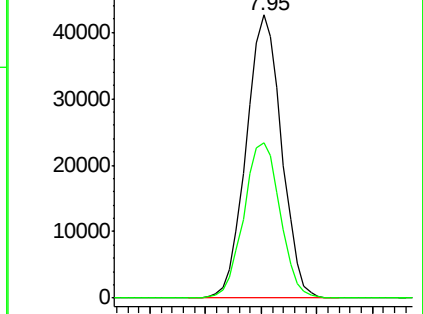
168 100

99 54.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW003250.D (-1033) (-)

Ion 98.90 (98.60 to 99.60): VW003250.D (-1033) (-)



#8

Diethyl Ether

Concen: 1.236 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003591.D

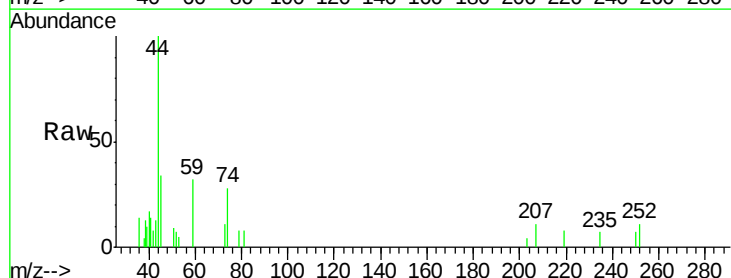
Acq: 27 Jun 2018 01:49

Tgt Ion: 74 Resp: 570

Ion Ratio Lower Upper

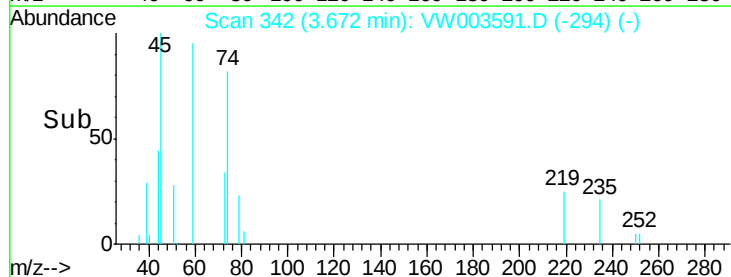
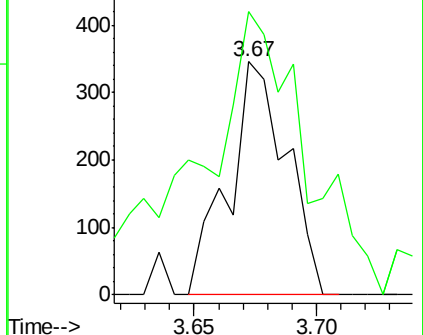
74 100

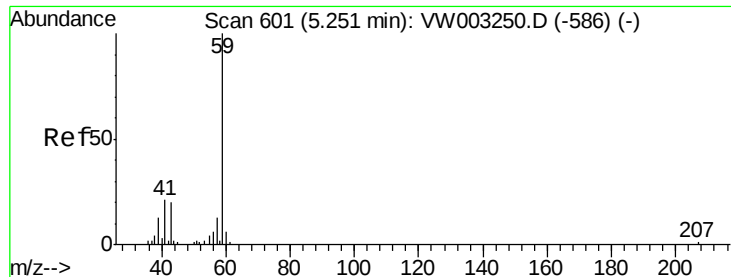
45 227.2 51.4 154.2#



Abundance Ion 74.00 (73.70 to 74.70): VW003250.D (-332) (-)

Ion 45.00 (44.70 to 45.70): VW003250.D (-332) (-)



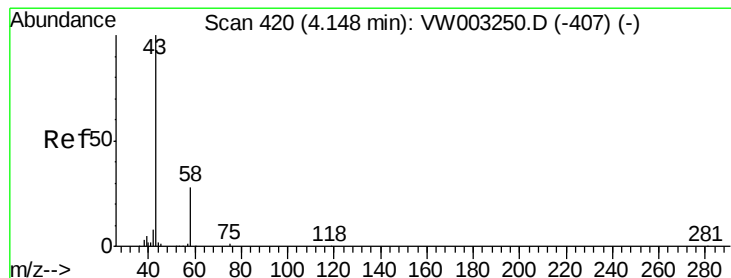
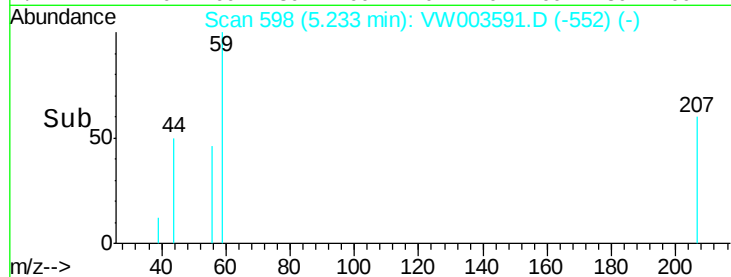
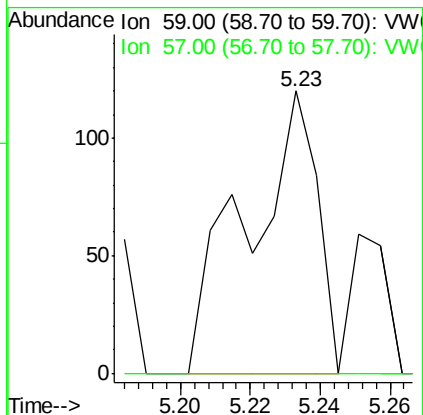
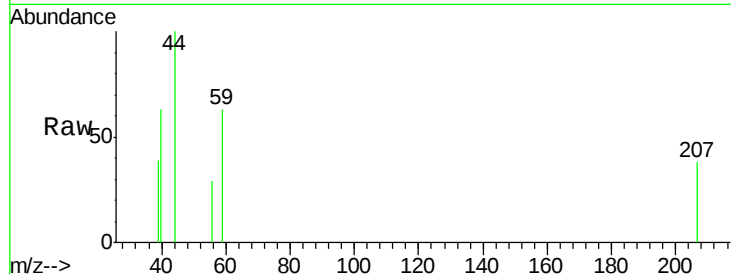


#11

Tert butyl alcohol
Concen: 3.072 ug/l
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003591.D
Acq: 27 Jun 2018 01:49

Instrument :
MSVOA_W
ClientSampleId :
SSP-C-3-GRABRE

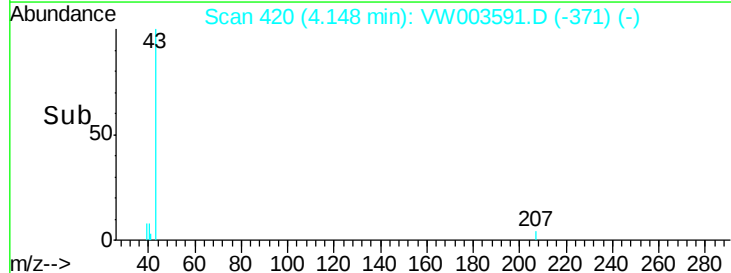
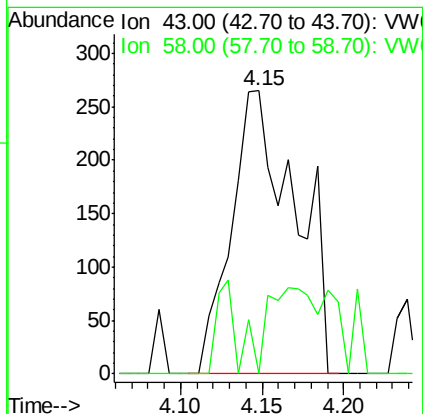
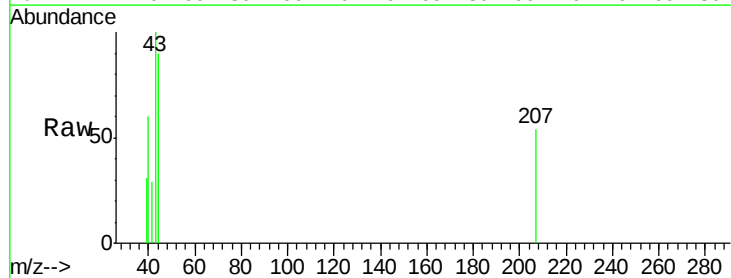
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

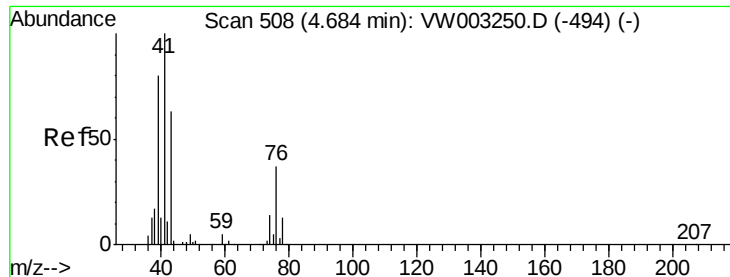


#16

Acetone
Concen: 3.353 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003591.D
Acq: 27 Jun 2018 01:49

Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
58 0.0 22.6 34.0#

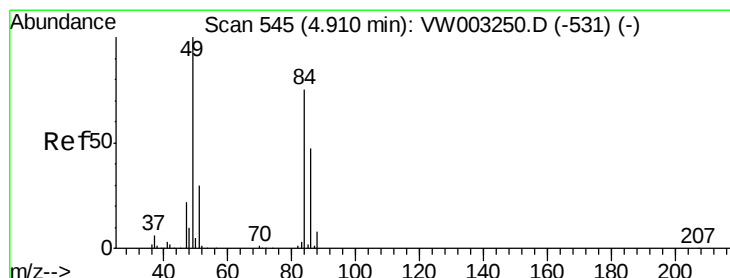
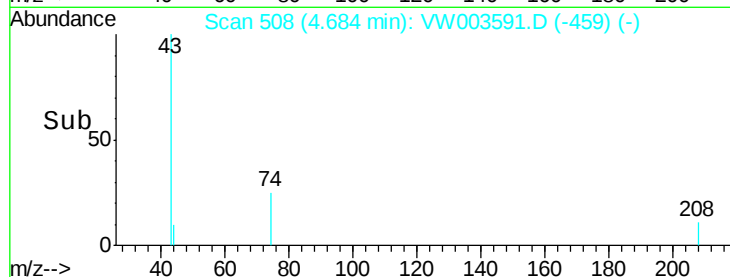
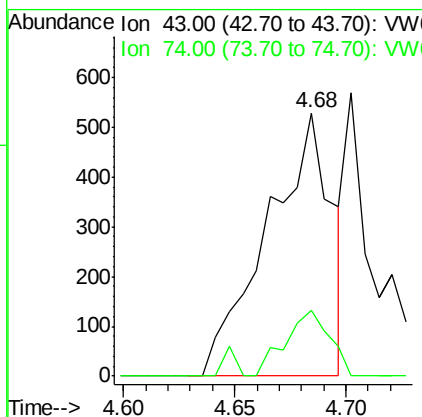
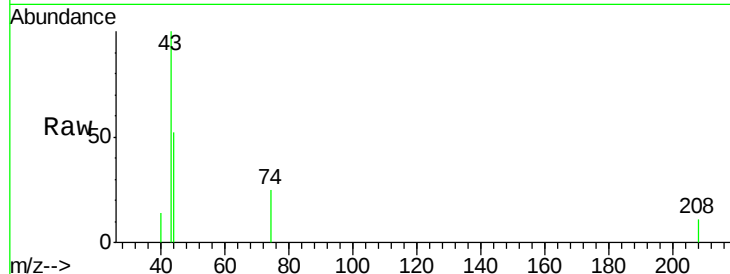




#18
Methyl Acetate
Concen: 2.089 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW003591.D
Acq: 27 Jun 2018 01:49

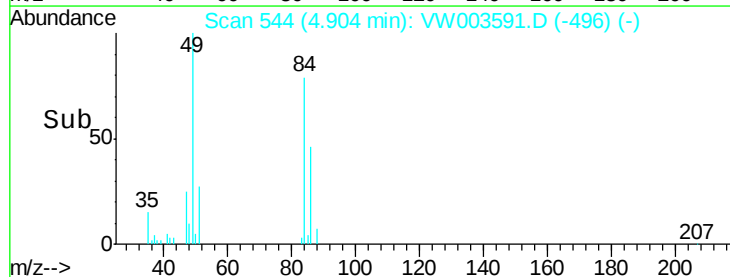
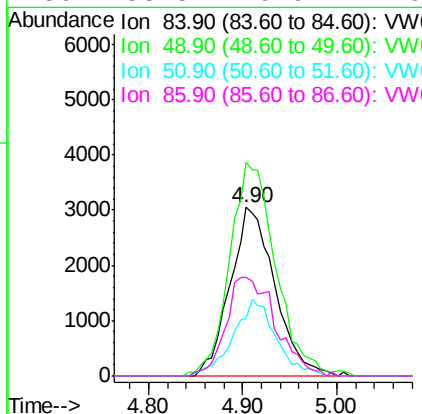
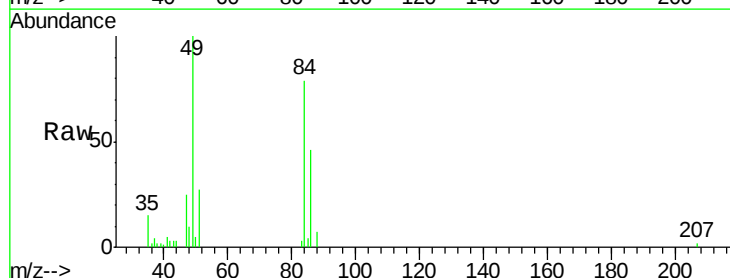
Instrument :
MSVOA_W
ClientSampleId :
SSP-C-3-GRABRE

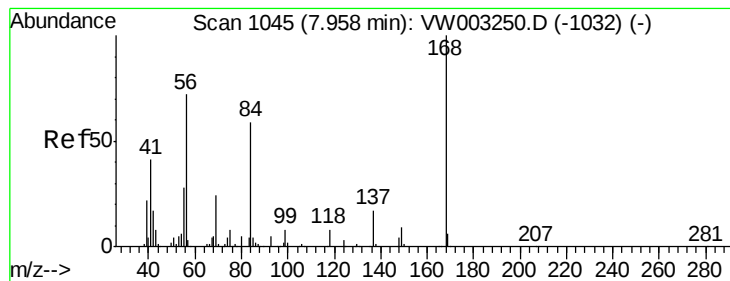
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 17.3 18.7 28.1#



#20
Methylene Chloride
Concen: 8.077 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003591.D
Acq: 27 Jun 2018 01:49

Tgt Ion: 84 Resp: 10133
Ion Ratio Lower Upper
84 100
49 124.4 106.3 159.5
51 34.2 32.0 48.0
86 58.5 49.9 74.9





#31

Cyclohexane

Concen: 1.579 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

SSP-C-3-GRABRE

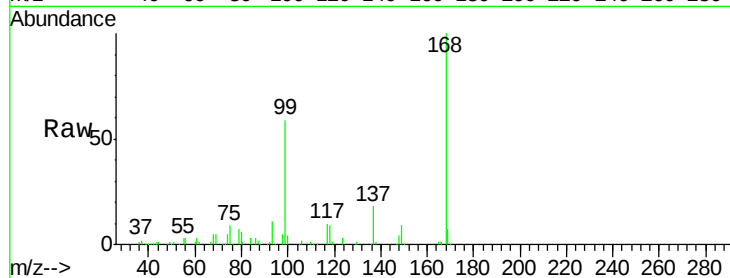
Tgt Ion: 56 Resp: 2601

Ion Ratio Lower Upper

56 100

69 159.9 26.3 39.5#

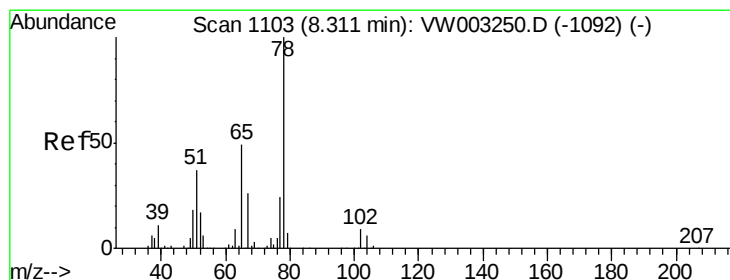
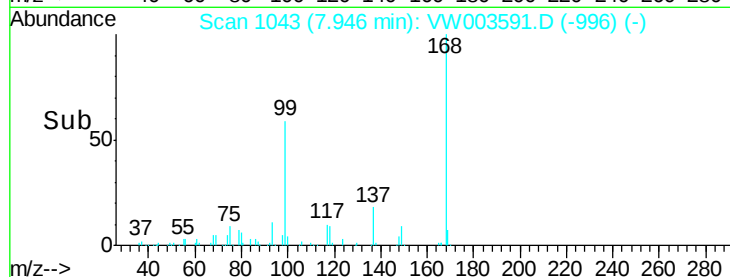
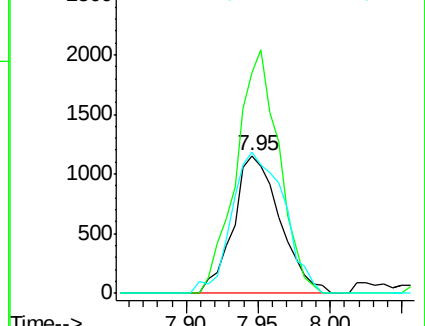
84 102.3 65.7 98.5#



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: 67.743 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003591.D

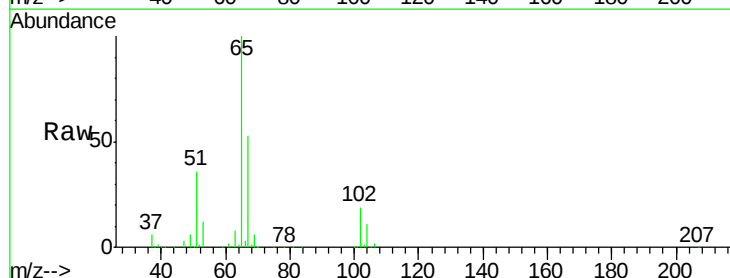
Acq: 27 Jun 2018 01:49

Tgt Ion: 65 Resp: 69073

Ion Ratio Lower Upper

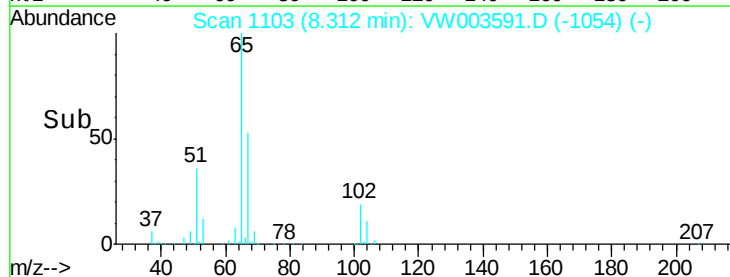
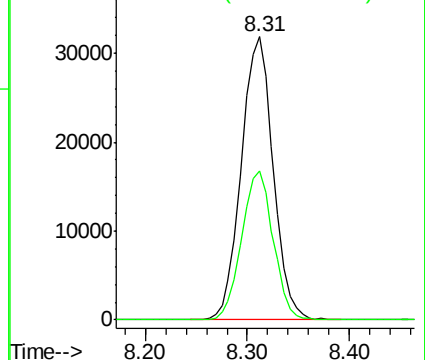
65 100

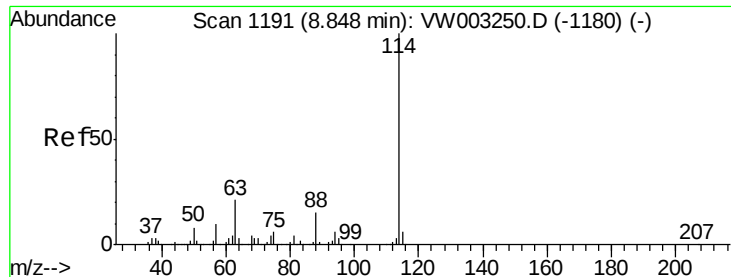
67 52.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

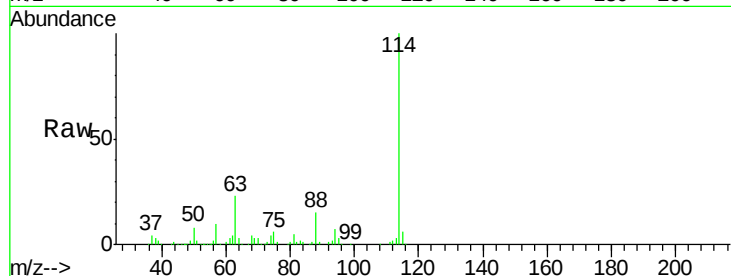




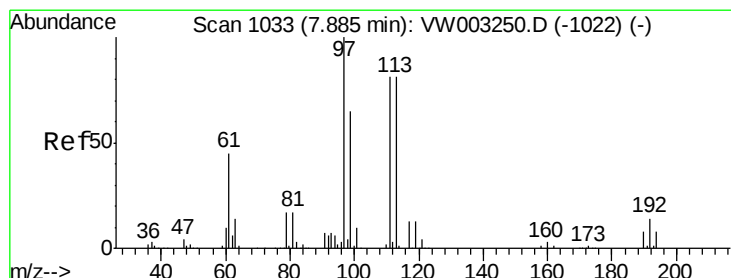
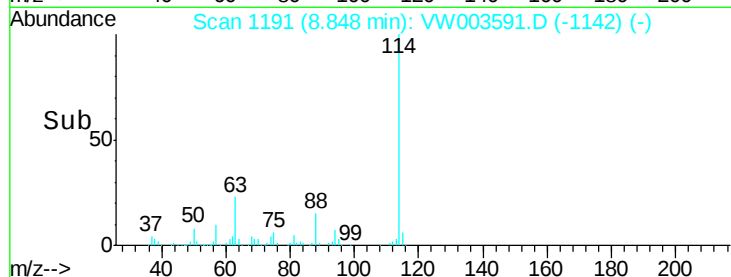
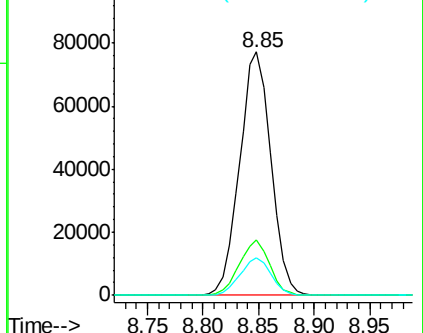
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003591.D
 Acq: 27 Jun 2018 01:49

Instrument :
 MSVOA_W
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 SSP-C-3-GRABRE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	43.0
88	15.3	0.0	29.6

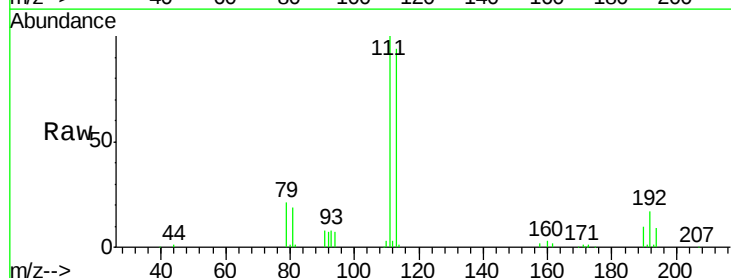


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

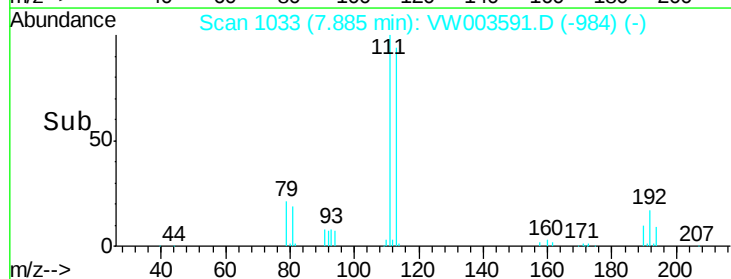
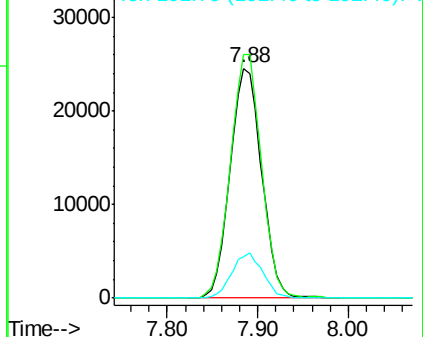


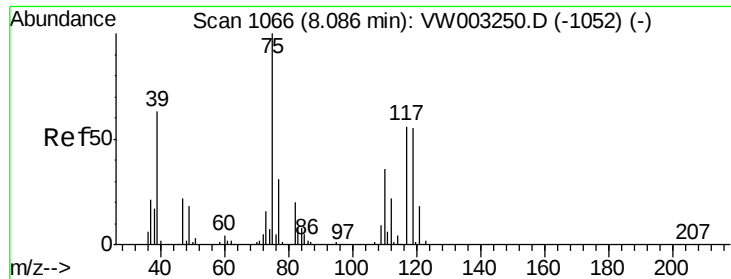
#35
 Dibromofluoromethane
 Concen: 63.165 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003591.D
 Acq: 27 Jun 2018 01:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.2	123.2
192	19.4	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

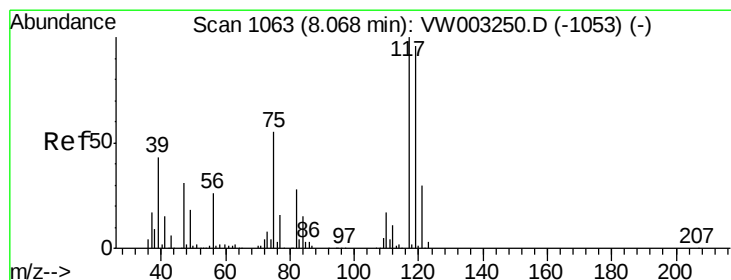
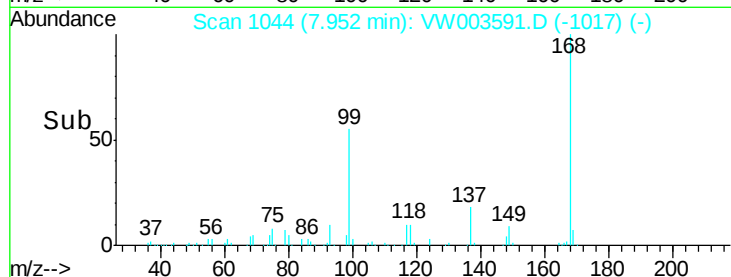
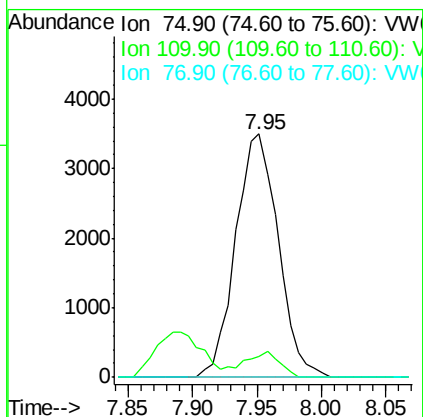
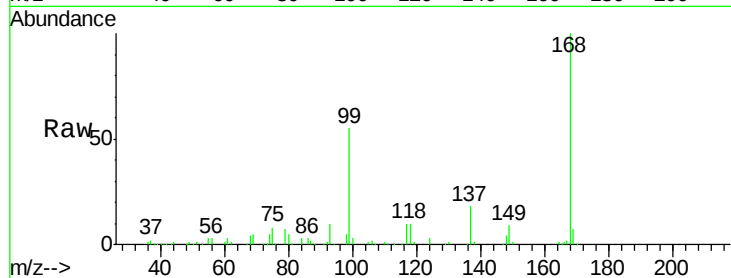




#36
 1,1-Dichloropropene
 Concen: 5.499 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003591.D
 Acq: 27 Jun 2018 01:49

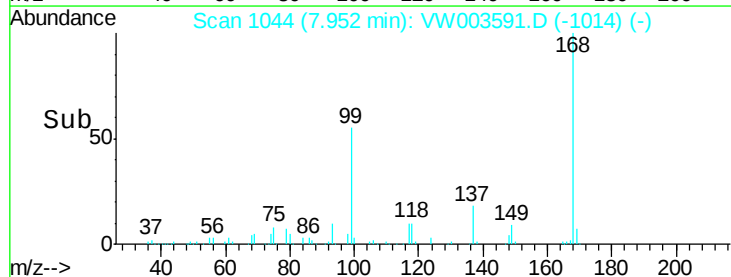
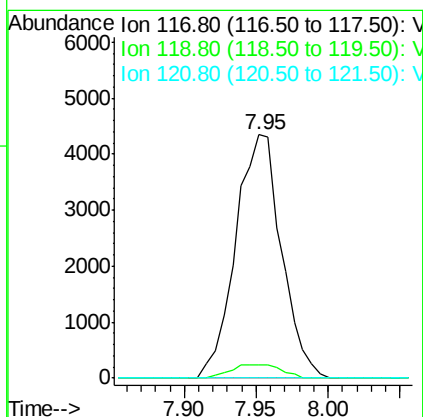
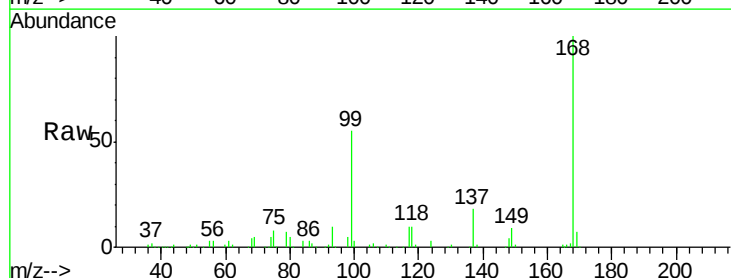
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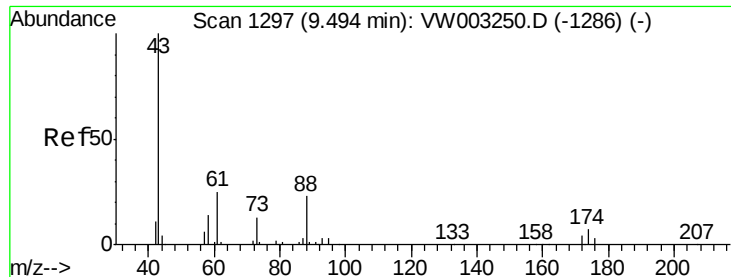
Tgt Ion: 75 Resp: 8003
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.714 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003591.D
 Acq: 27 Jun 2018 01:49

Tgt Ion: 117 Resp: 9586
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.6 115.0#
 121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 3.419 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

SSP-C-3-GRABRE

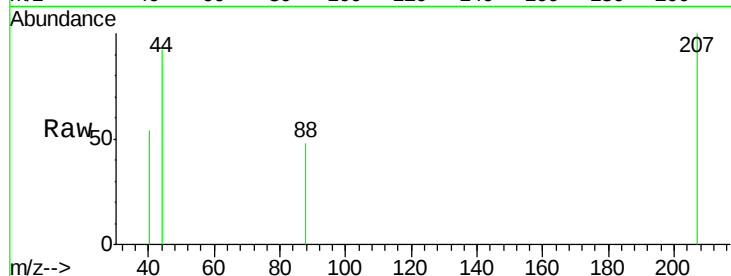
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 74.1 454.7 682.1#

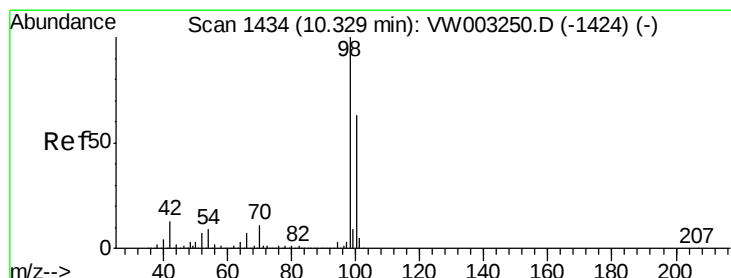
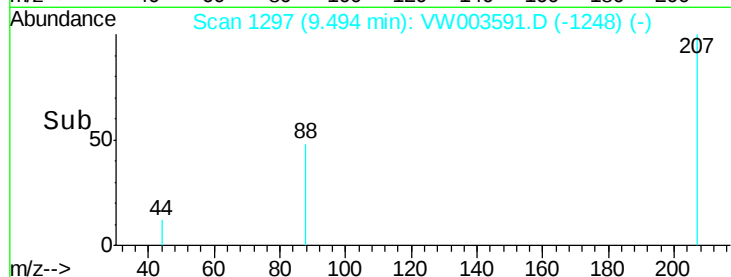
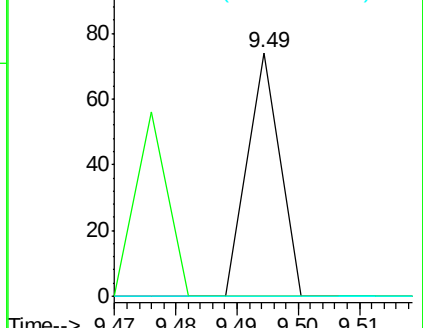
58 0.0 58.6 88.0#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 43.944 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003591.D

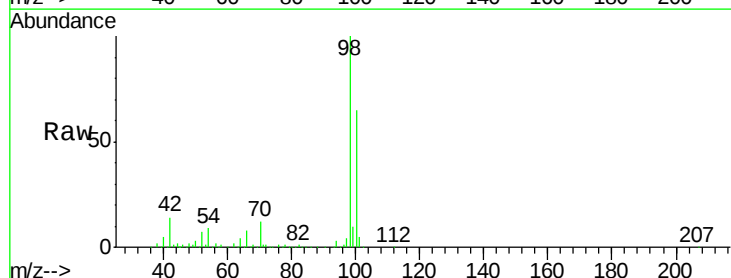
Acq: 27 Jun 2018 01:49

Tgt Ion: 98 Resp: 163178

Ion Ratio Lower Upper

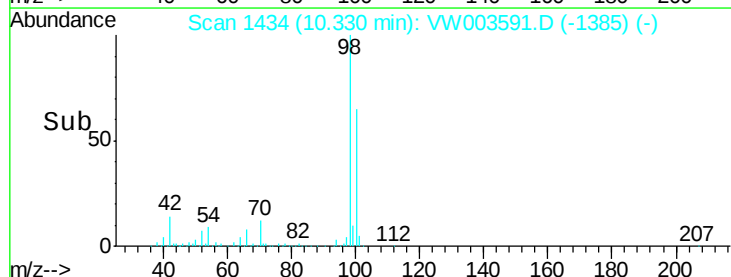
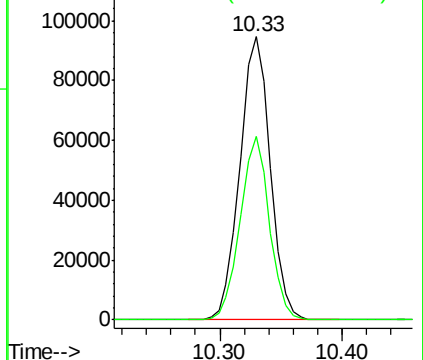
98 100

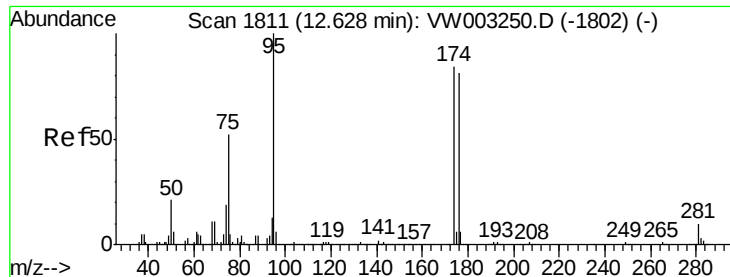
100 62.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 22.843 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

SSP-C-3-GRABRE

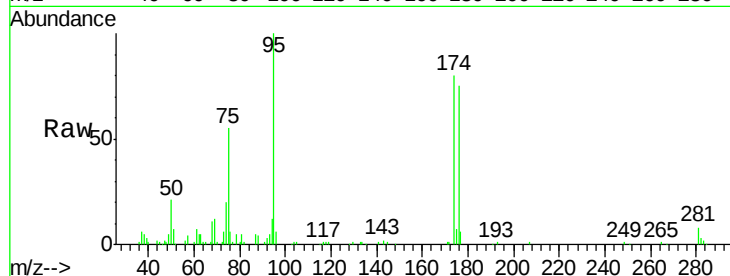
Tgt Ion: 95 Resp: 30018

Ion Ratio Lower Upper

95 100

174 85.3 0.0 166.4

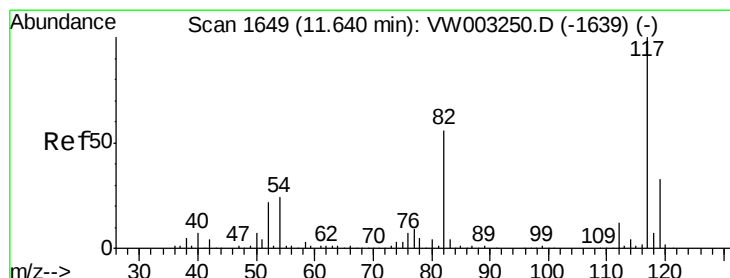
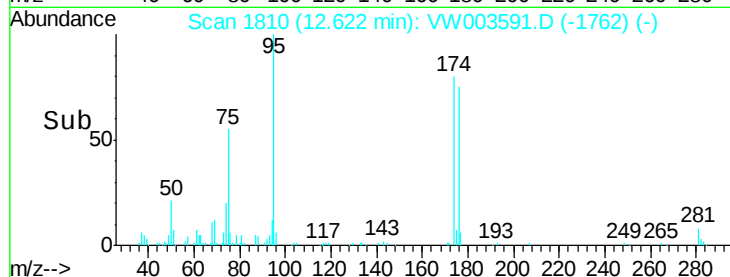
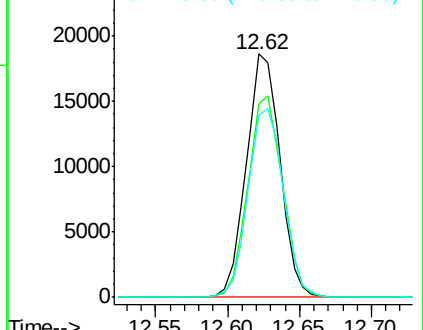
176 81.4 0.0 162.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

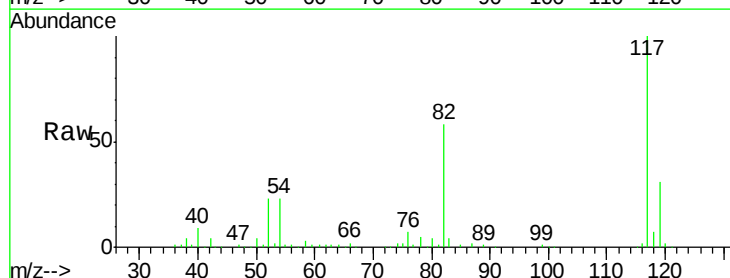
Tgt Ion: 117 Resp: 96671

Ion Ratio Lower Upper

117 100

82 58.2 44.6 67.0

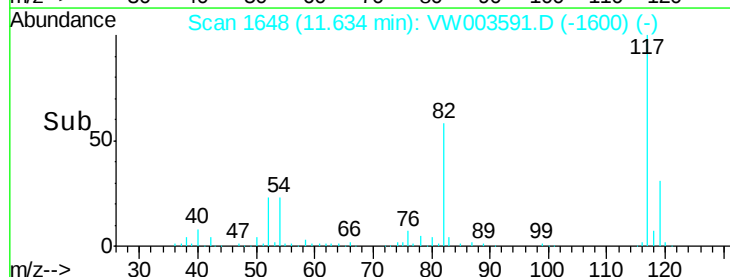
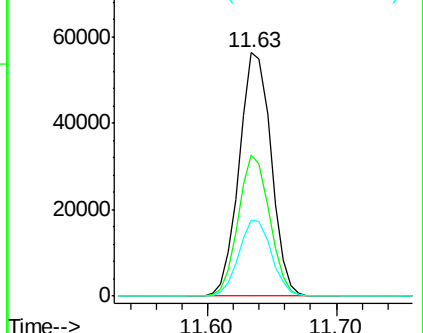
119 31.0 26.7 40.1

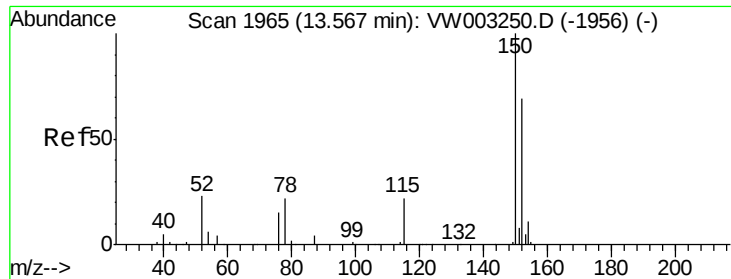


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

SSP-C-3-GRABRE

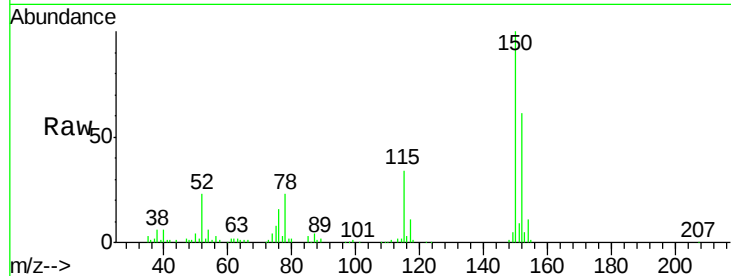
Tgt Ion:152 Resp: 21677

Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

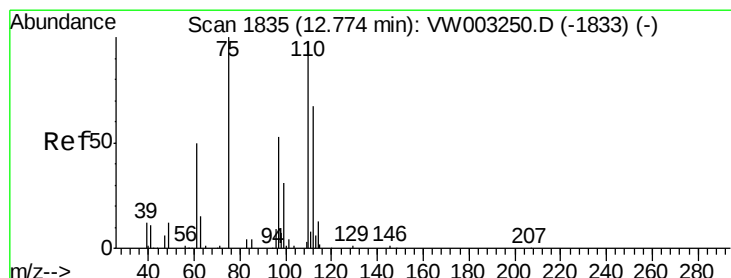
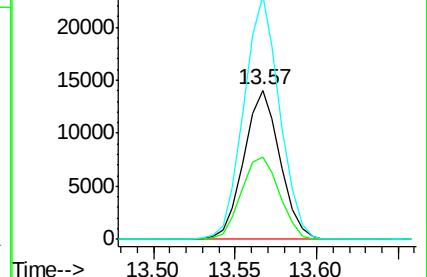
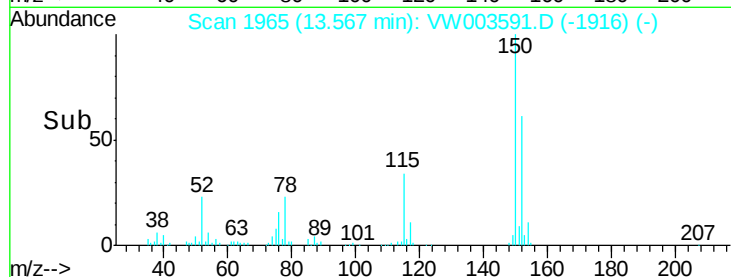
150 161.5 0.0 349.6



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: 90.560 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003591.D

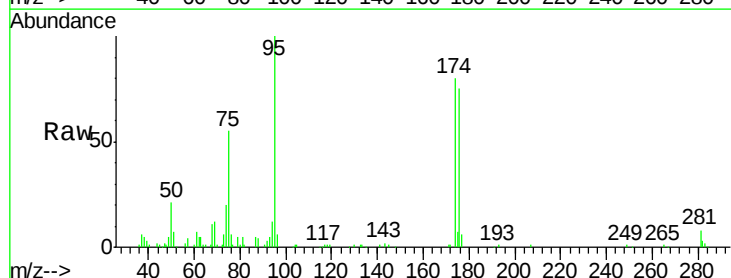
Acq: 27 Jun 2018 01:49

Tgt Ion: 75 Resp: 16782

Ion Ratio Lower Upper

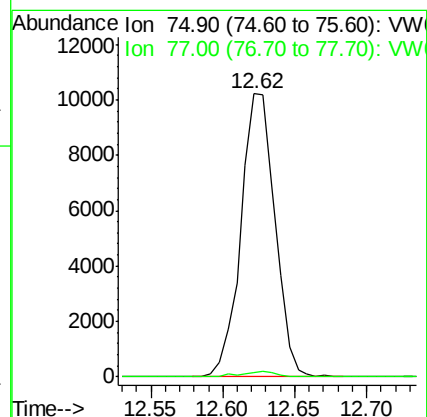
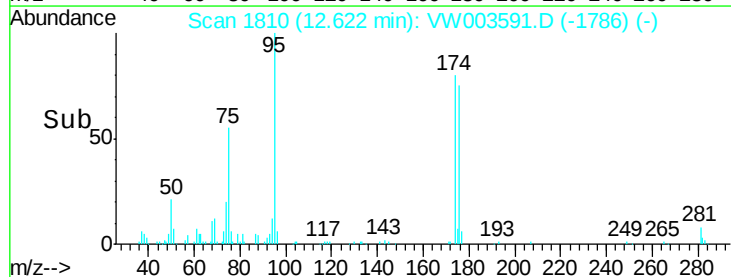
75 100

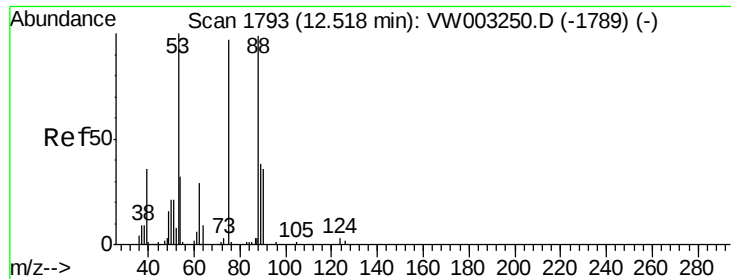
77 1.9 0.0 0.0#



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: 208.384 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003591.D

Acq: 27 Jun 2018 01:49

Instrument :

MSVOA_W

ClientSampleId :

SSP-C-3-GRABRE

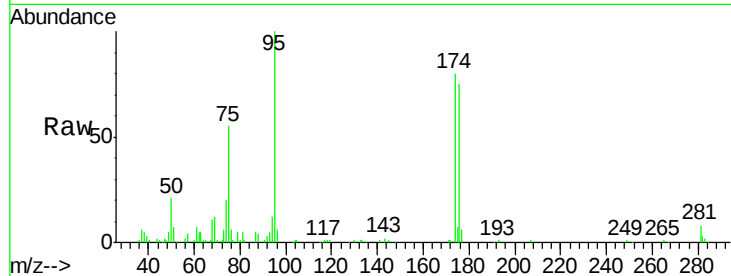
Tgt Ion: 75 Resp: 16782

Ion Ratio Lower Upper

75 100

53 0.3 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

