

Data File : VW003503.D
Acq On : 24 Jun 2018 11:53
Operator : SY/AP
Sample : VW0624SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBL01

Quant Time: Jun 24 23:23:35 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	239128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	384679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171011	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	141194	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
35) Dibromofluoromethane	7.88	113	122480	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	10.33	98	475453	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.63	95	157683	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	

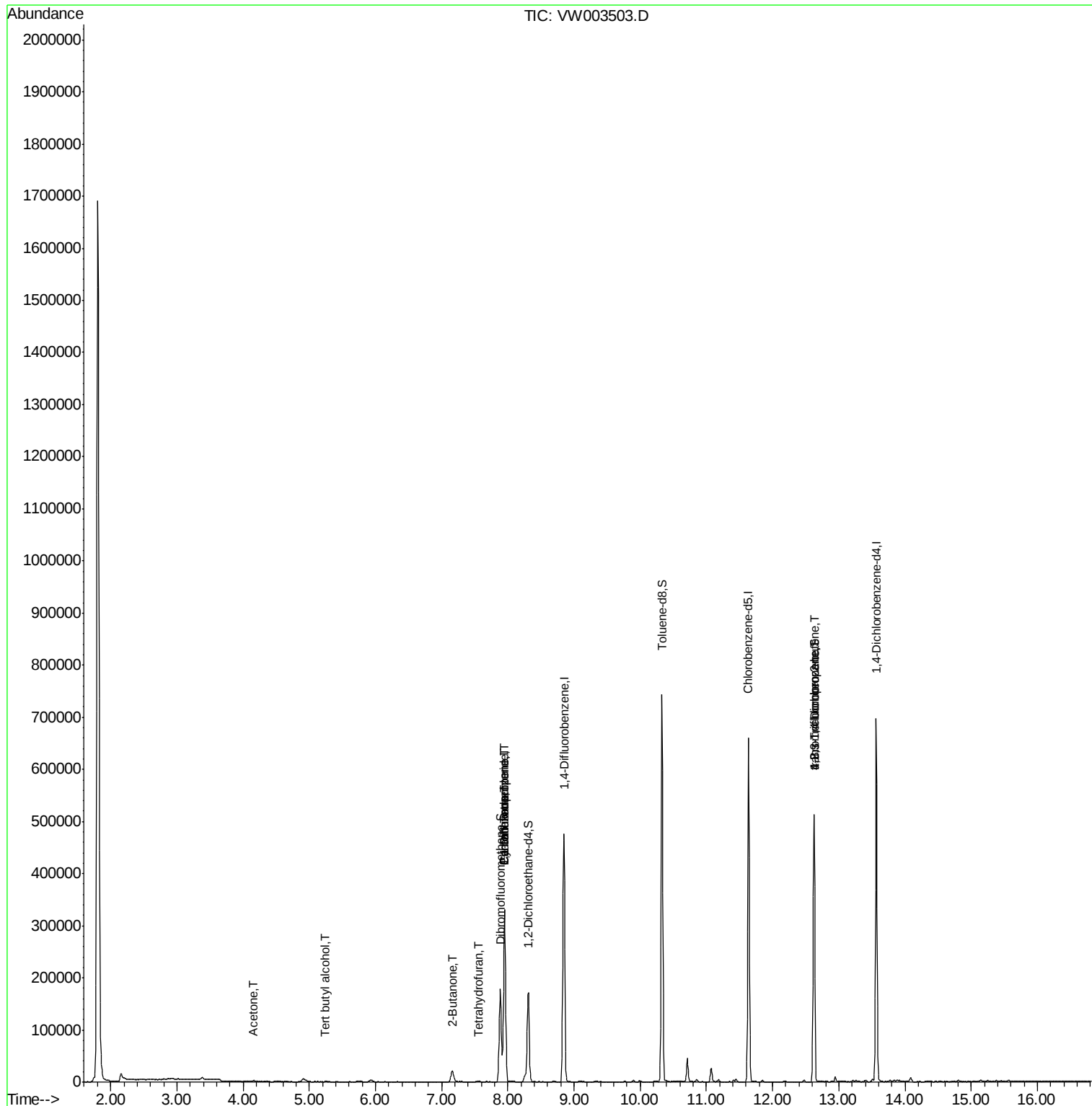
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	264	1.901	ug/l #	94
16) Acetone	4.15	43	4875	8.974	ug/l	93
20) Methylene Chloride	4.91	84	3709	Below Cal		93
25) 2-Butanone	7.15	43	1760	2.606	ug/l #	76
29) Tetrahydrofuran	7.56	42	591	1.432	ug/l #	80
31) Cyclohexane	7.95	56	6043	1.444	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	19821	5.335	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24162	6.631	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	86298	59.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86298	135.830	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

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Instrument :

MSVOA_W

ClientSampleId :

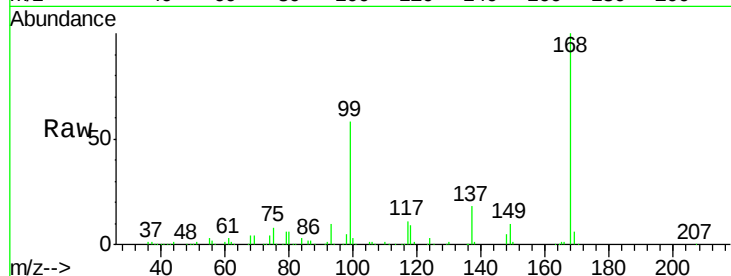
VW0624SBL01

Tgt Ion: 168 Resp: 239128

Ion Ratio Lower Upper

168 100

99 58.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

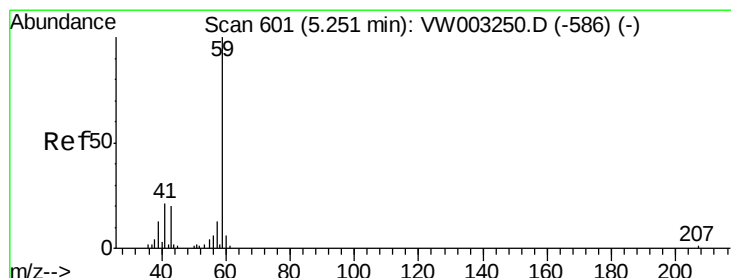
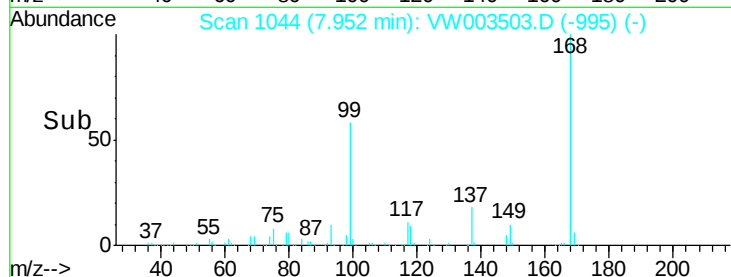
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.901 ug/l

RT: 5.25 min Scan# 601

Delta R.T. 0.00 min

Lab File: VW003503.D

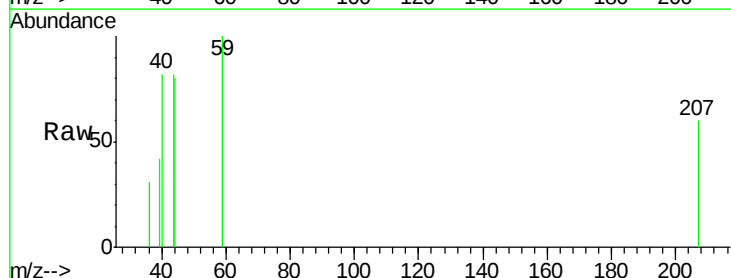
Acq: 24 Jun 2018 11:53

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 7.2 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.25

250

200

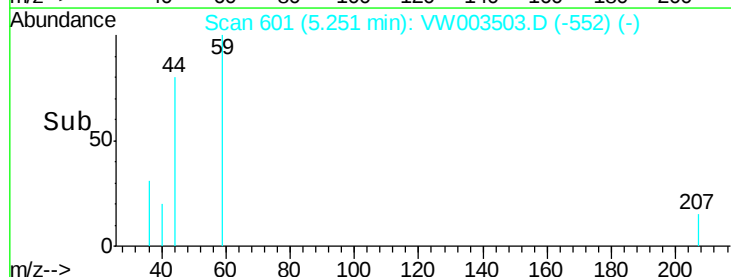
150

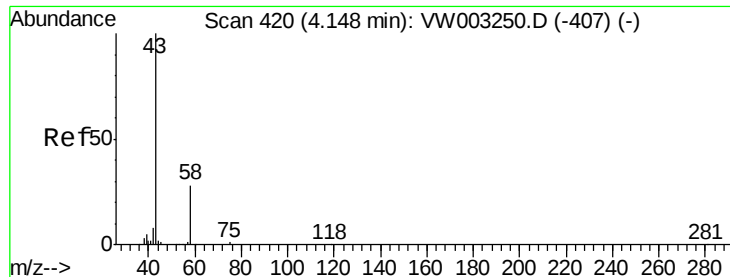
100

50

0

Time--> 5.22 5.24 5.26





#16

Acetone

Concen: 8.974 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

Instrument :

MSVOA_W

ClientSampleId :

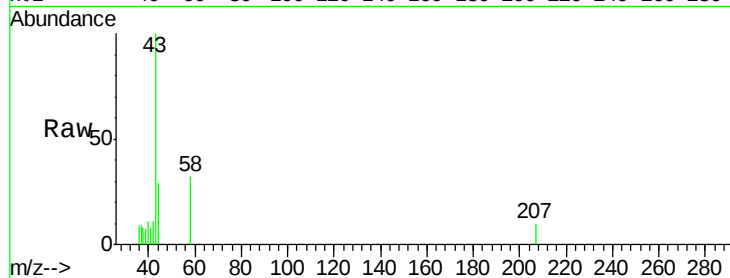
VW0624SBL01

Tgt Ion: 43 Resp: 4875

Ion Ratio Lower Upper

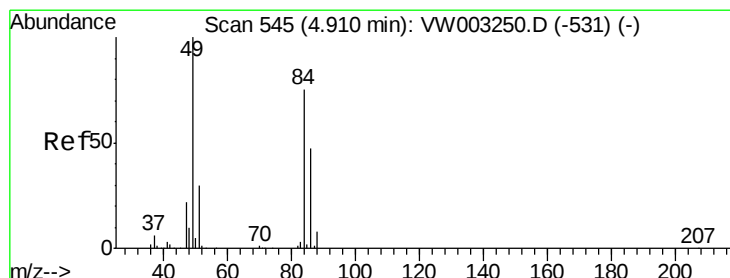
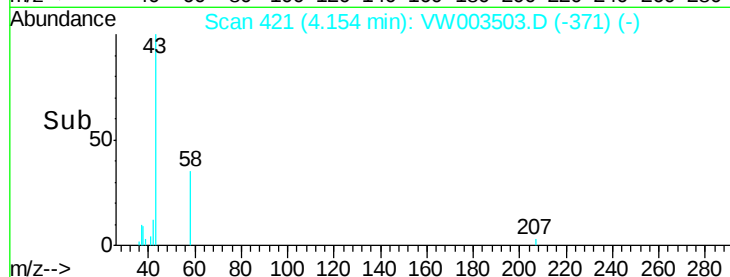
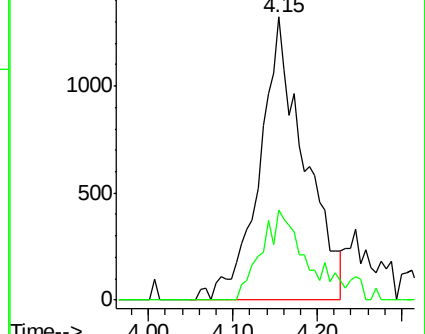
43 100

58 31.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

Tgt Ion: 84 Resp: 3709

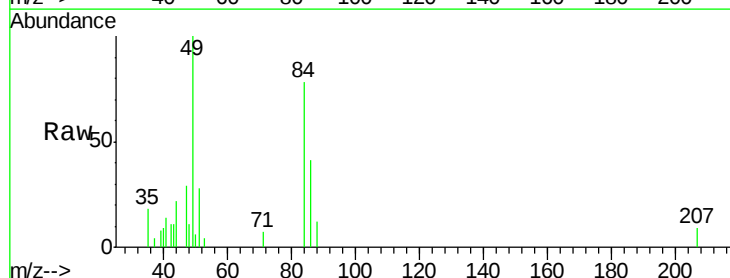
Ion Ratio Lower Upper

84 100

49 127.5 106.3 159.5

51 36.1 32.0 48.0

86 52.5 49.9 74.9

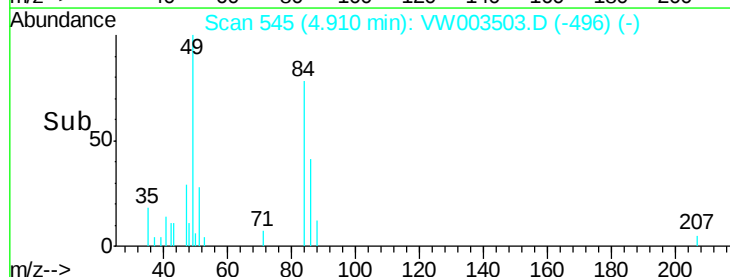
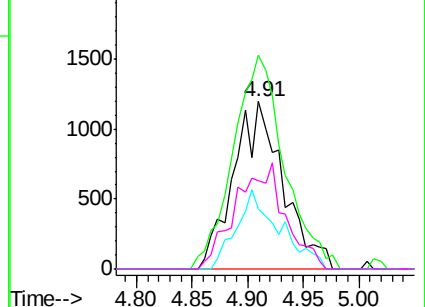


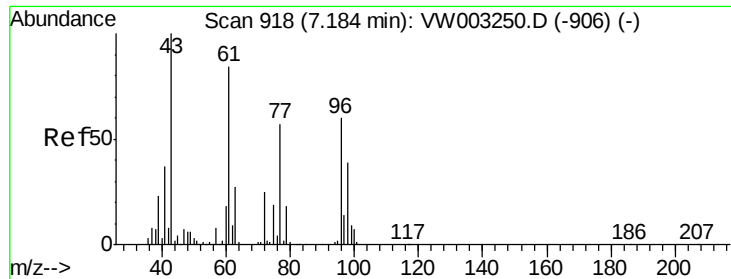
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 2.606 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

Instrument :

MSVOA_W

ClientSampleId :

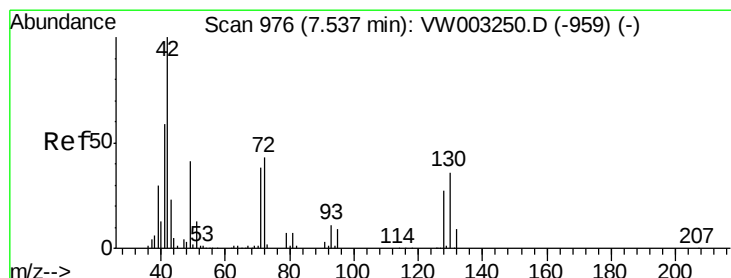
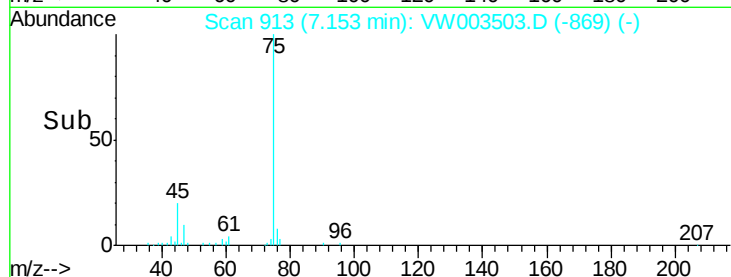
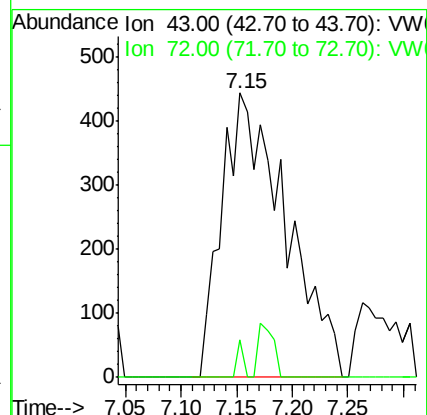
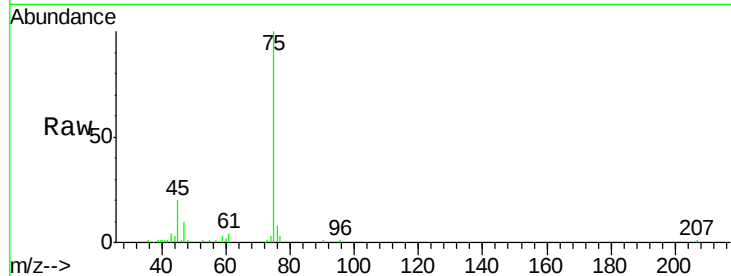
VW0624SBL01

Tgt Ion: 43 Resp: 1760

Ion Ratio Lower Upper

43 100

72 13.1 20.3 30.5#



#29

Tetrahydrofuran

Concen: 1.432 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

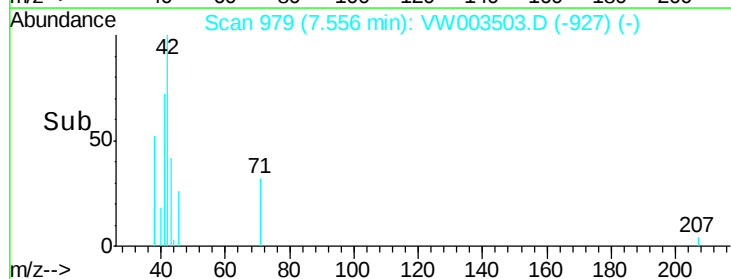
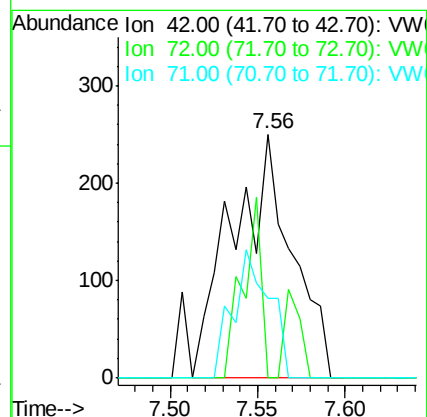
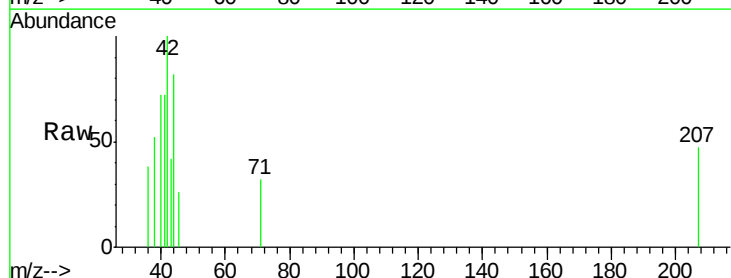
Tgt Ion: 42 Resp: 591

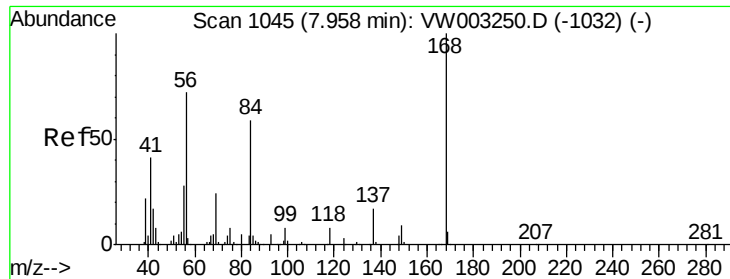
Ion Ratio Lower Upper

42 100

72 23.0 32.4 48.6#

71 32.3 31.2 46.8

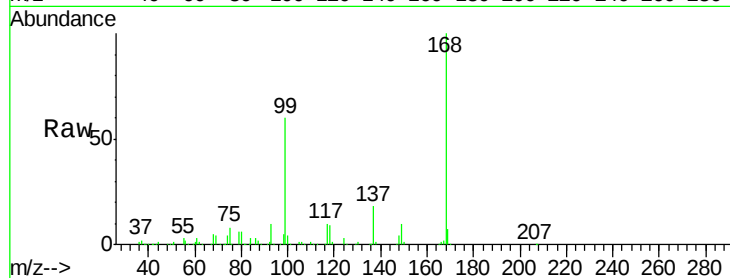




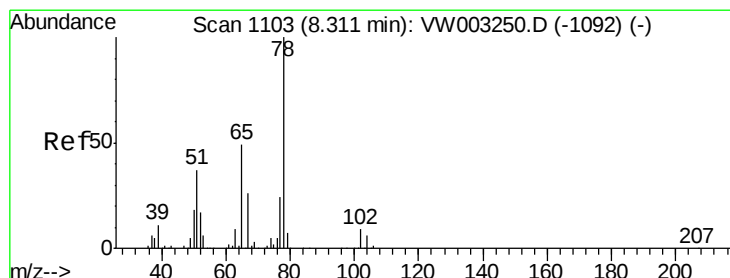
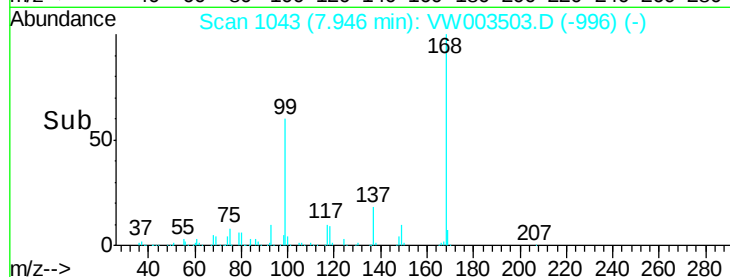
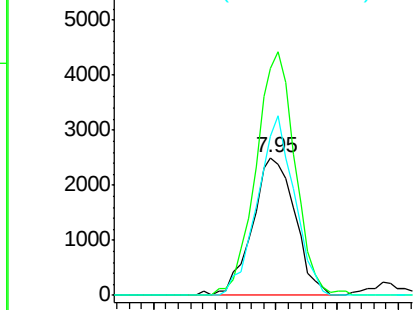
#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003503.D
Acq: 24 Jun 2018 11:53

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBL01

Tgt Ion: 56 Resp: 6043
Ion Ratio Lower Upper
56 100
69 164.6 26.3 39.5#
84 115.3 65.7 98.5#

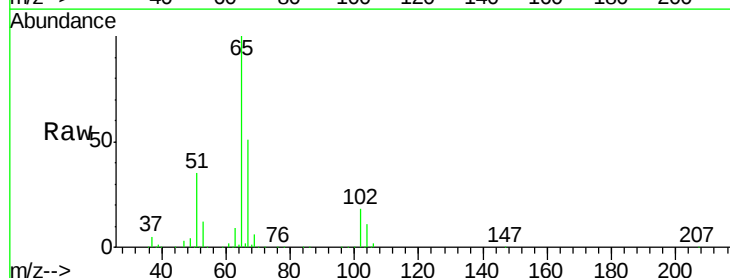


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

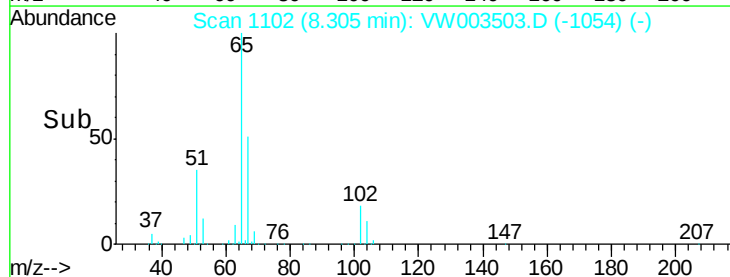
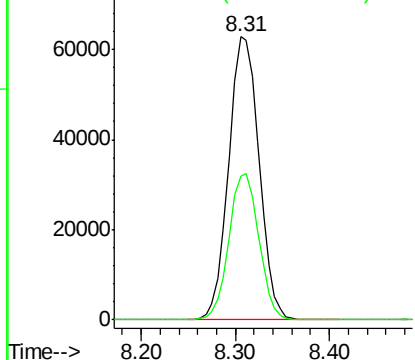


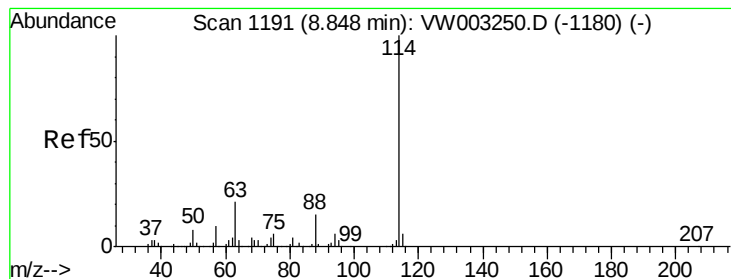
#33
1,2-Dichloroethane-d4
Concen: 54.512 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VW003503.D
Acq: 24 Jun 2018 11:53

Tgt Ion: 65 Resp: 141194
Ion Ratio Lower Upper
65 100
67 50.9 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: VW003503.D

Acq: 24 Jun 2018 11:53

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBL01

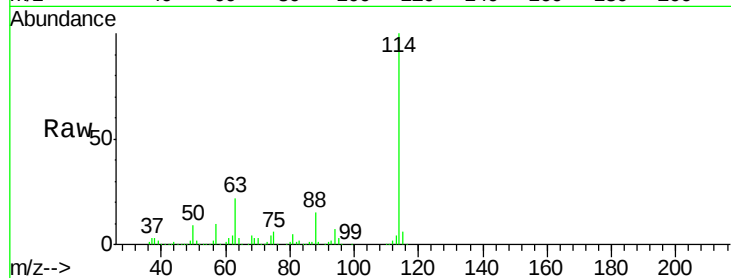
Tgt Ion:114 Resp: 384679

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

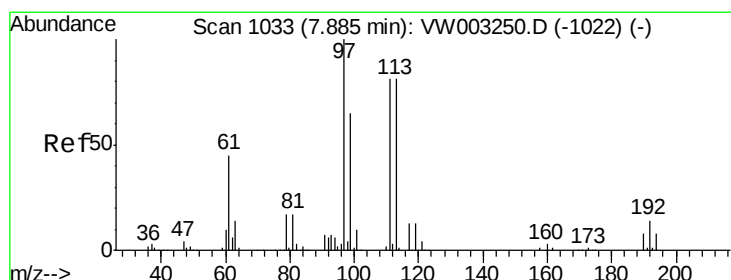
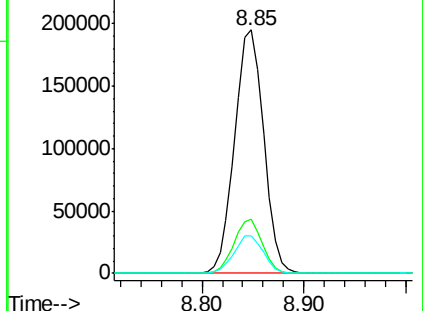
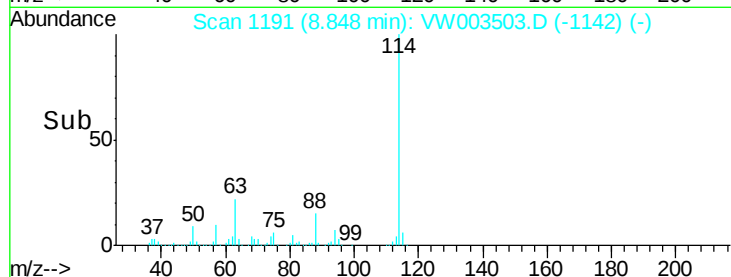
88 15.4 0.0 29.6



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: 51.241 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

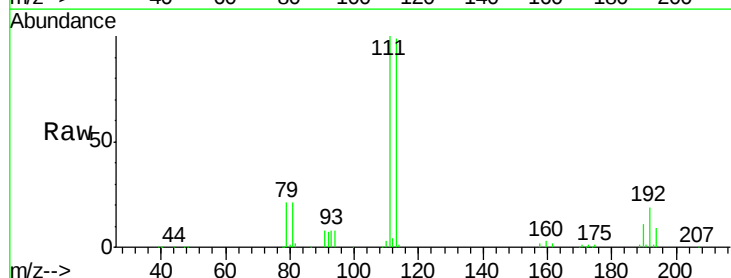
Tgt Ion:113 Resp: 122480

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

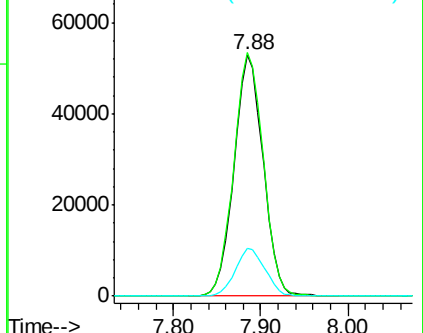
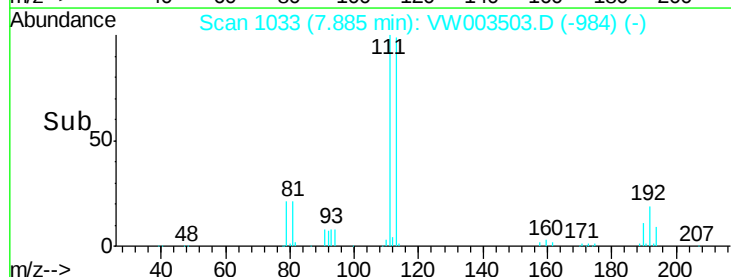
192 20.2 16.2 24.2

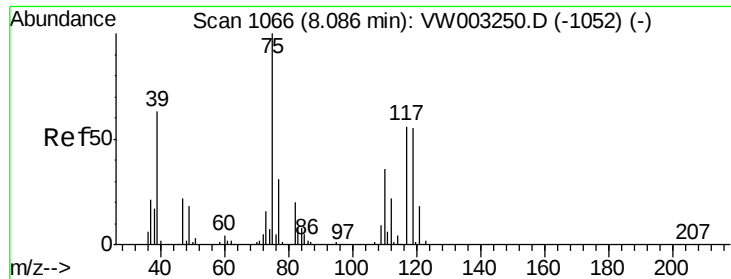


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

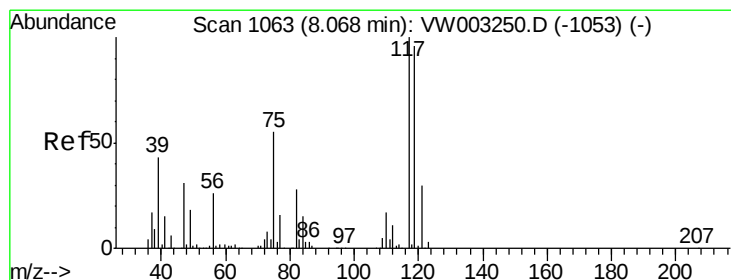
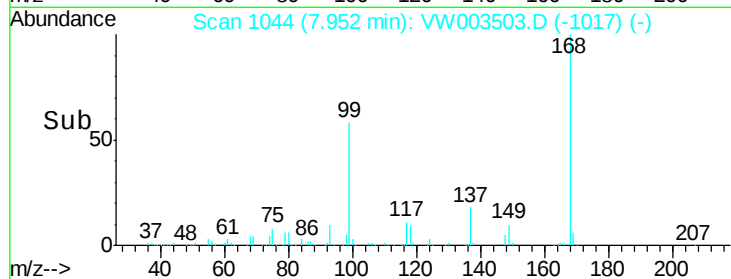
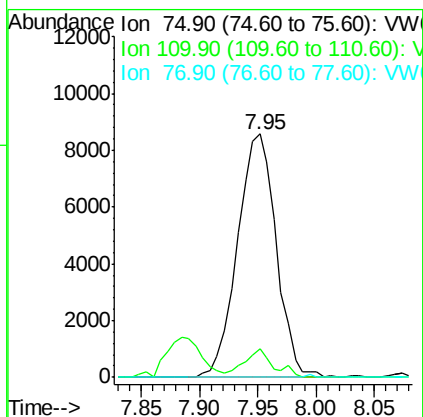
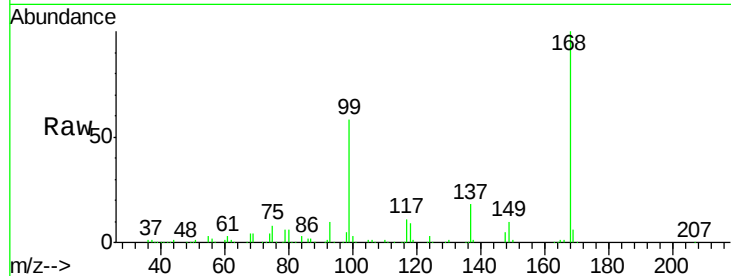




#36
 1,1-Dichloropropene
 Concen: 5.335 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003503.D
 Acq: 24 Jun 2018 11:53

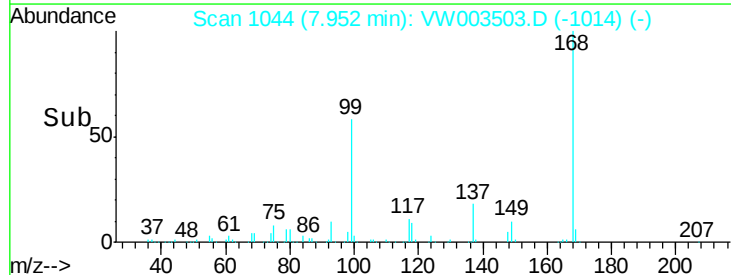
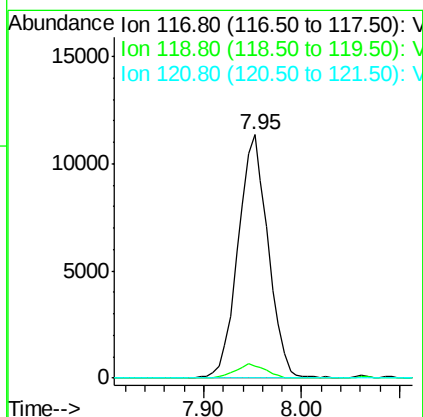
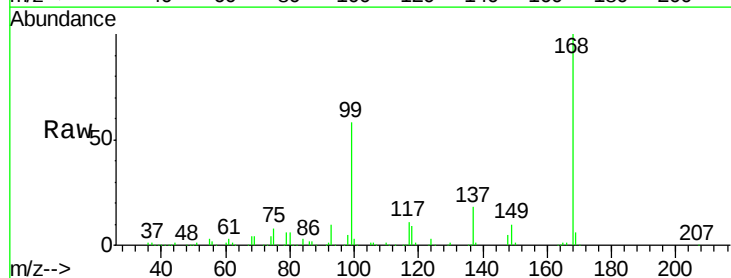
Instrument :
 MSVOA_W
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 VW0624SBL01

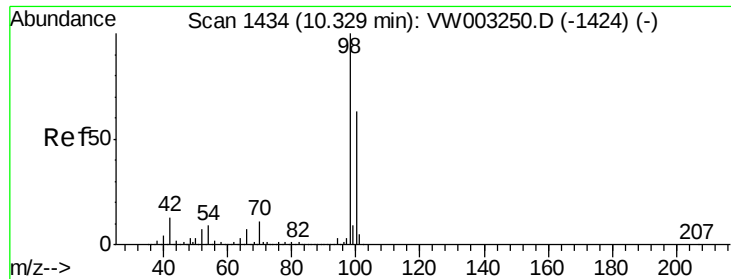
Tgt Ion: 75 Resp: 19821
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.631 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003503.D
 Acq: 24 Jun 2018 11:53

Tgt Ion: 117 Resp: 24162
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.6 115.0#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 50.164 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

Instrument :

MSVOA_W

ClientSampleId :

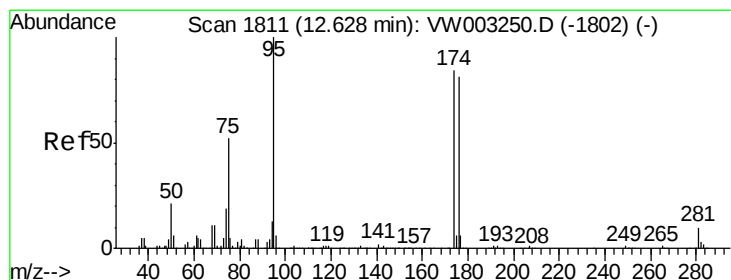
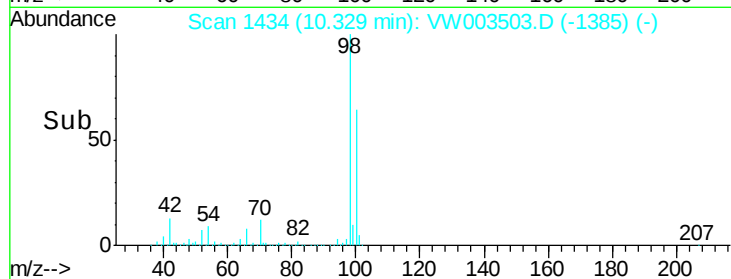
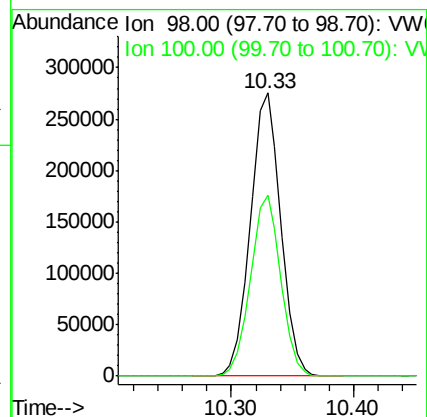
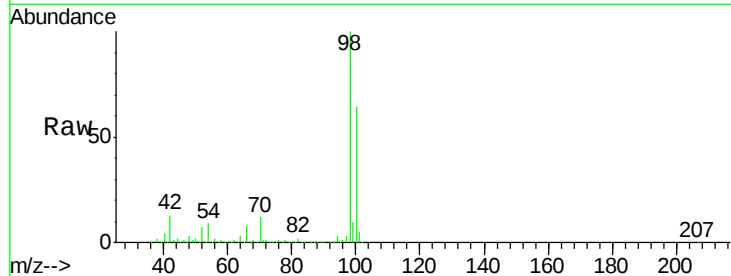
VW0624SBL01

Tgt Ion: 98 Resp: 475453

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 47.011 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

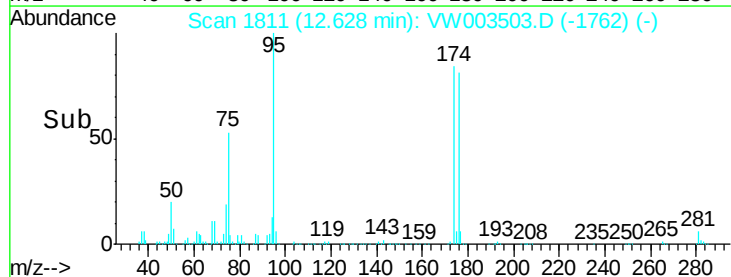
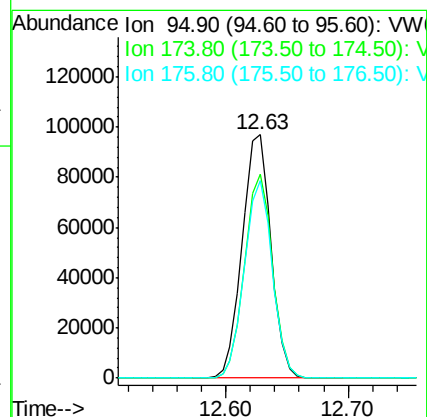
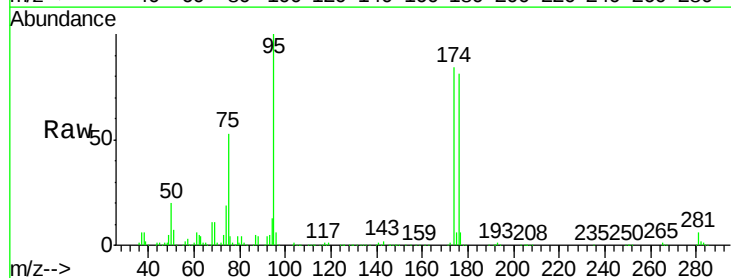
Tgt Ion: 95 Resp: 157683

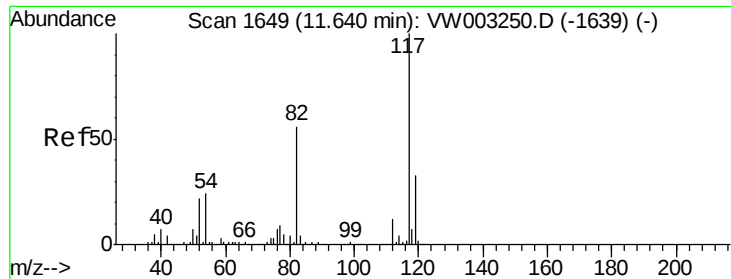
Ion Ratio Lower Upper

95 100

174 82.1 0.0 166.4

176 79.1 0.0 162.0

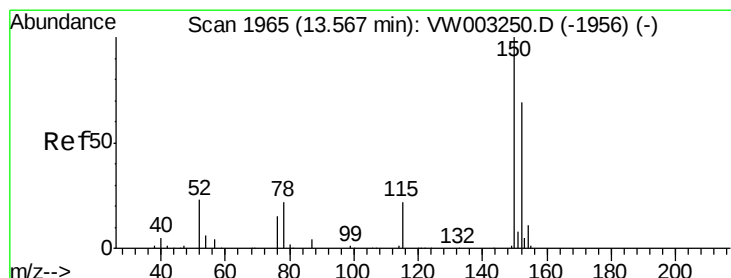
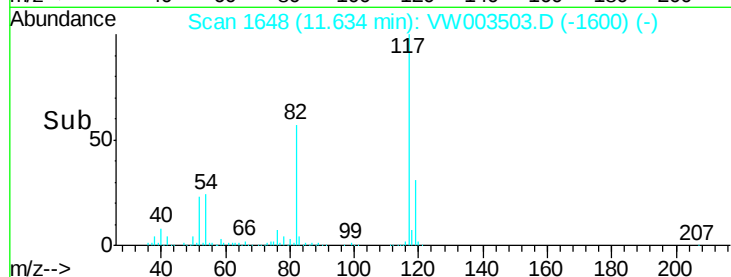
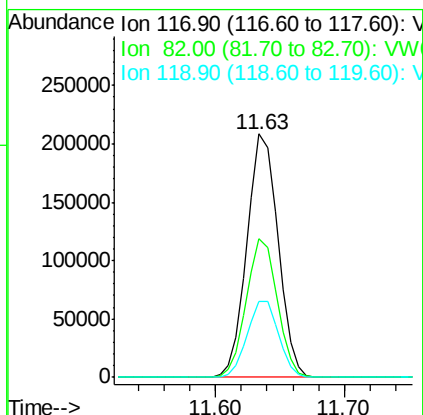
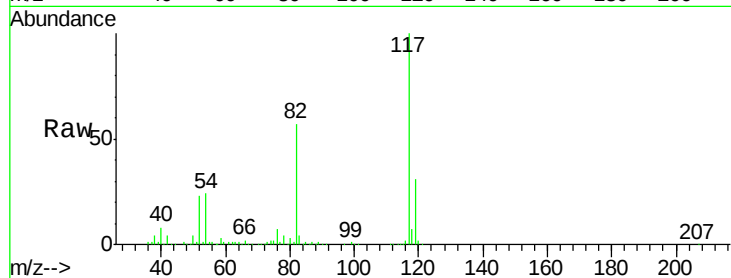




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003503.D
Acq: 24 Jun 2018 11:53

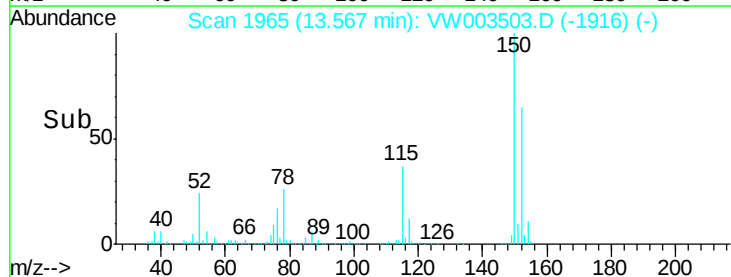
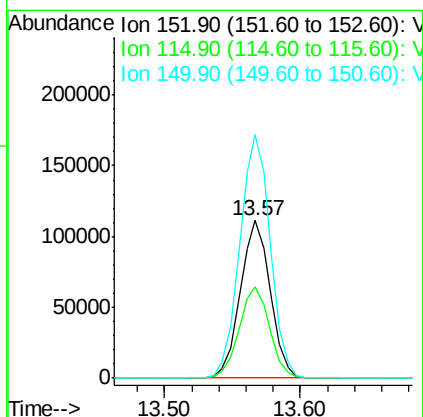
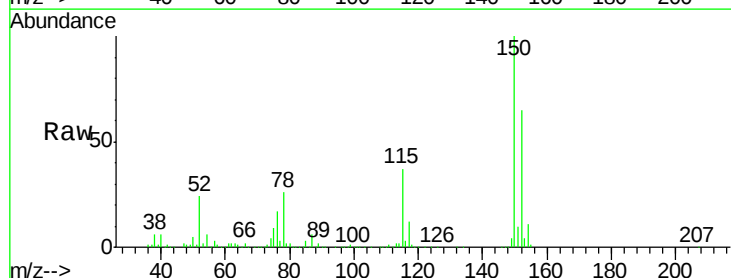
Instrument :
MSVOA_W
ClientSampleId :
VW0624SBL01

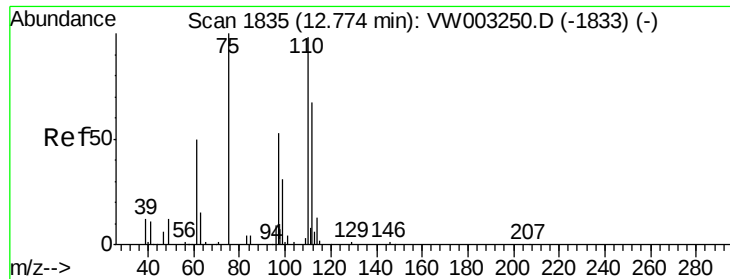
Tgt Ion:117 Resp: 347621
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003503.D
Acq: 24 Jun 2018 11:53

Tgt Ion:152 Resp: 171011
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 156.8 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 59.030 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

Instrument :

MSVOA_W

ClientSampleId :

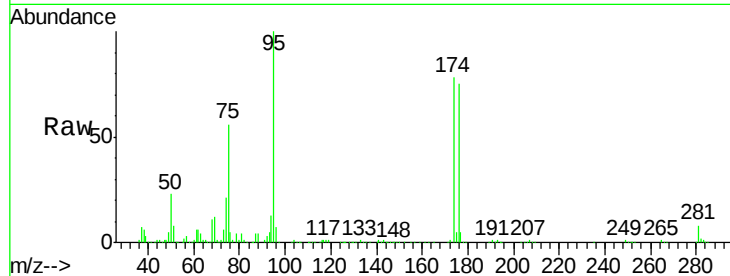
VW0624SBL01

Tgt Ion: 75 Resp: 86298

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

12.62

60000

50000

40000

30000

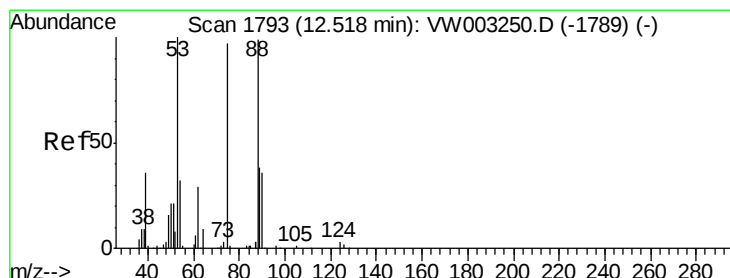
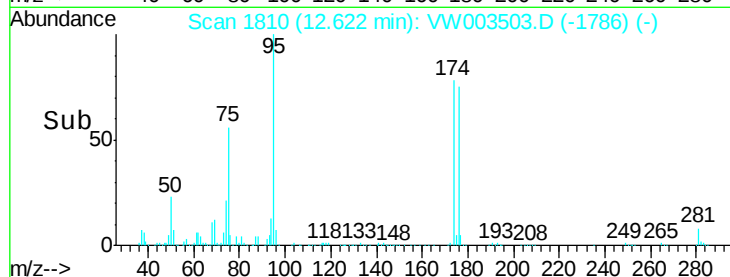
20000

10000

0

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 135.830 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003503.D

Acq: 24 Jun 2018 11:53

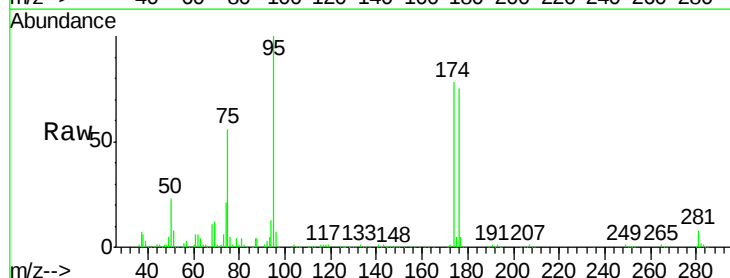
Tgt Ion: 75 Resp: 86298

Ion Ratio Lower Upper

75 100

53 0.1 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

12.62

60000

40000

20000

0

12.60 12.70

Time-->

