

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003278.D
 Acq On : 15 Jun 2018 02:08
 Operator : VA/AP
 Sample : J3444-06
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-53(0-5)

Quant Time: Jun 15 06:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	150705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	249688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116980	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	83641	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.48%		
35) Dibromofluoromethane	7.88	113	73045	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.06%		
50) Toluene-d8	10.33	98	230909	35.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	70.20%		
62) 4-Bromofluorobenzene	12.63	95	81747	35.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	70.24%		

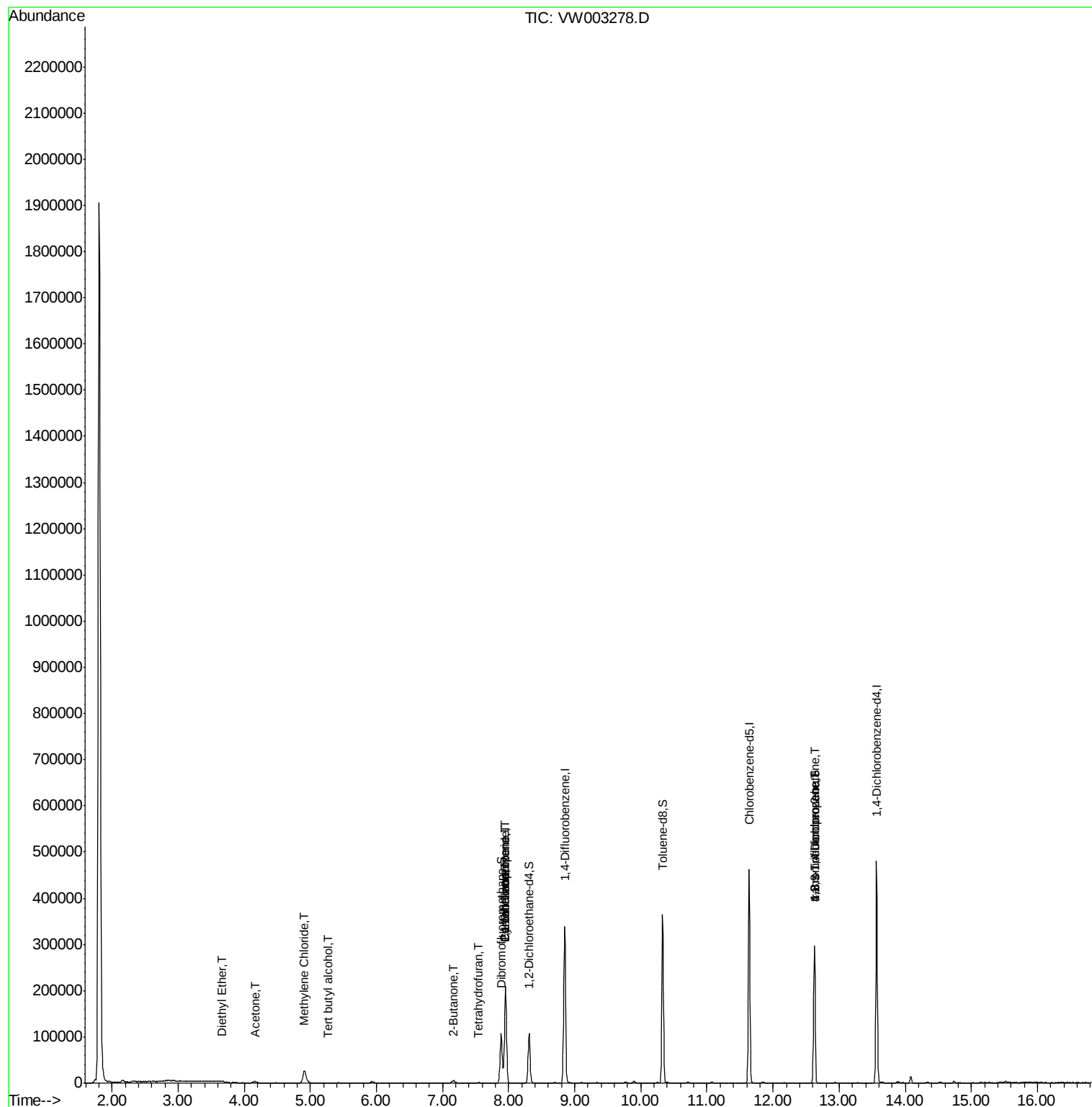
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	770	1.043	ug/l #	28
11) Tert butyl alcohol	5.27	59	101	1.154	ug/l #	84
16) Acetone	4.16	43	5380	15.715	ug/l	96
20) Methylene Chloride	4.92	84	20954	11.588	ug/l	95
25) 2-Butanone	7.16	43	451	1.059	ug/l #	50
29) Tetrahydrofuran	7.54	42	280	1.076	ug/l #	79
31) Cyclohexane	7.95	56	3787	1.436	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	12496	4.847	ug/l #	51
38) Carbon Tetrachloride	7.96	117	15251	6.030	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	45021	45.019	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	45021	103.591	ug/l #	9

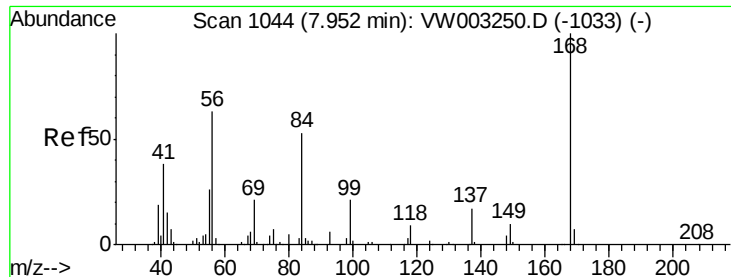
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 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: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

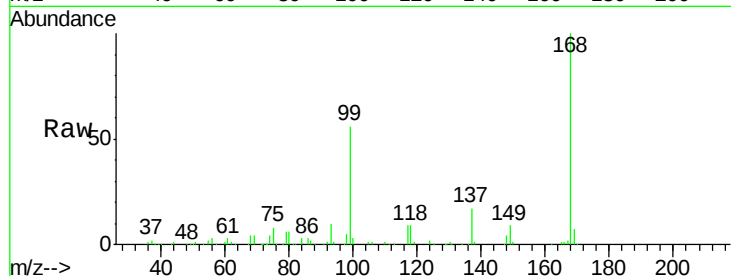
SB-53(0-5)

Tgt Ion:168 Resp: 150705

Ion Ratio Lower Upper

168 100

99 56.4 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

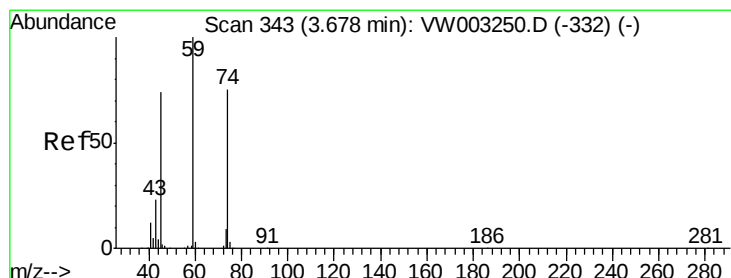
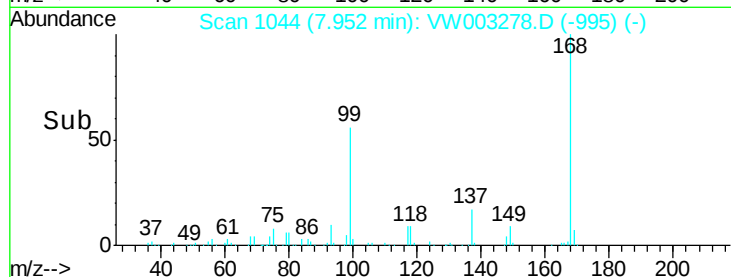
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.043 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003278.D

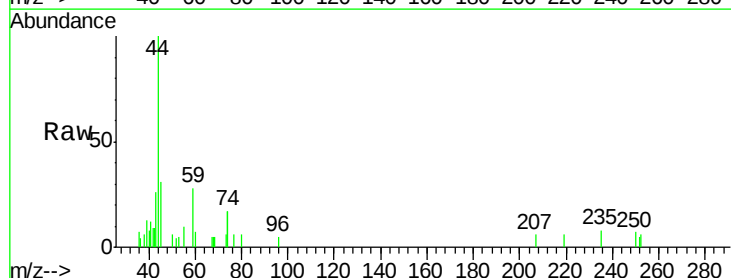
Acq: 15 Jun 2018 02:08

Tgt Ion: 74 Resp: 770

Ion Ratio Lower Upper

74 100

45 175.5 51.4 154.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

500

400

300

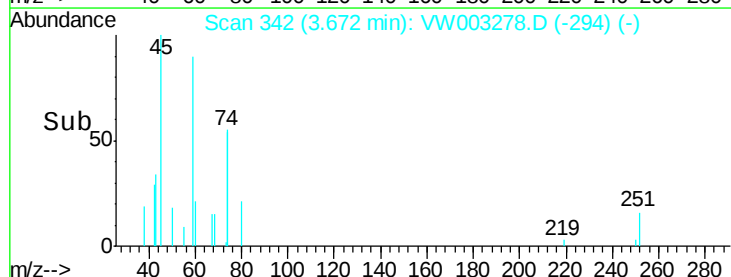
200

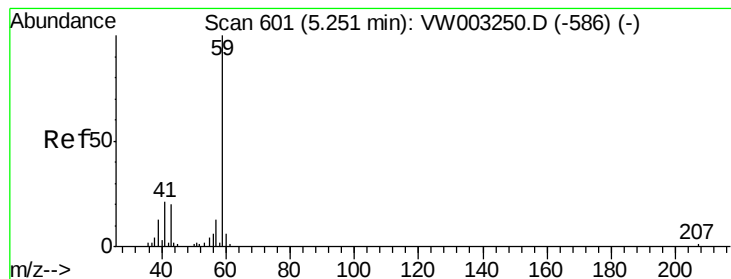
100

0

3.65 3.70

Time-->





#11

Tert butyl alcohol

Concen: 1.154 ug/l

RT: 5.27 min Scan# 604

Delta R.T. 0.02 min

Lab File: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

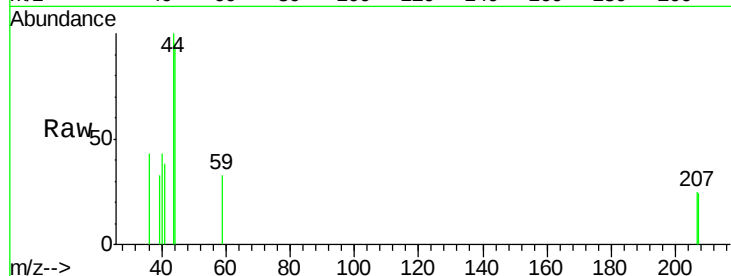
SB-53(0-5)

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

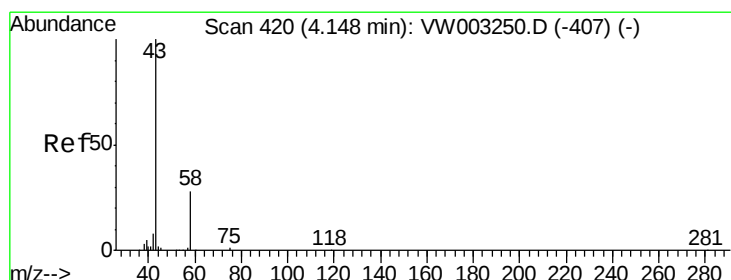
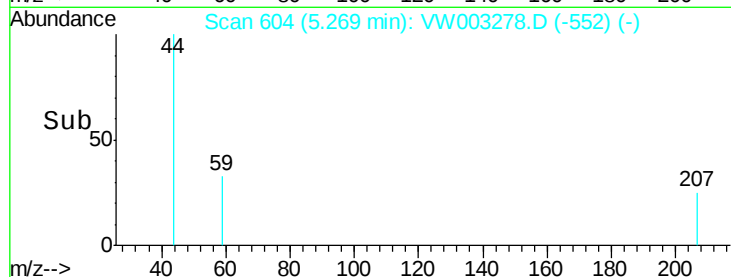
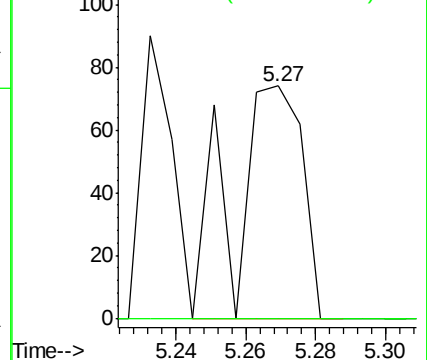
59 100

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



#16

Acetone

Concen: 15.715 ug/l

RT: 4.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VW003278.D

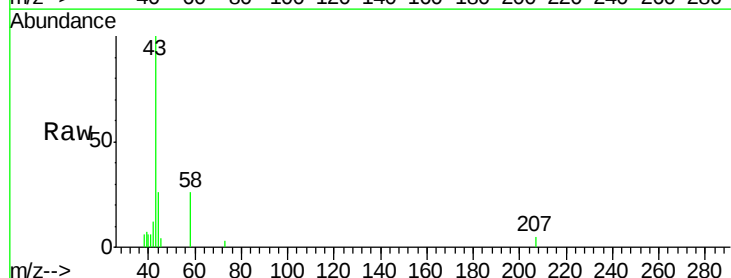
Acq: 15 Jun 2018 02:08

Tgt Ion: 43 Resp: 5380

Ion Ratio Lower Upper

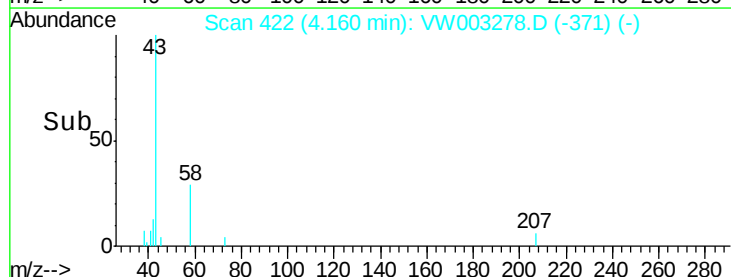
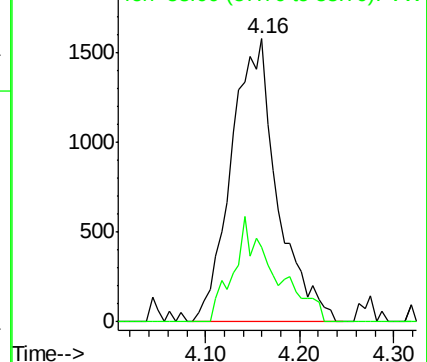
43 100

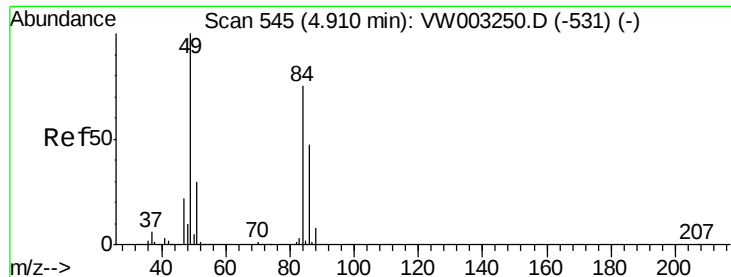
58 26.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 11.588 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

SB-53(0-5)

Tgt Ion: 84 Resp: 20954

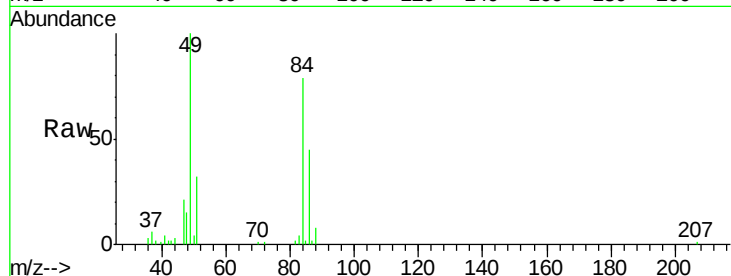
Ion Ratio Lower Upper

84 100

49 127.2 106.3 159.5

51 40.1 32.0 48.0

86 56.7 49.9 74.9

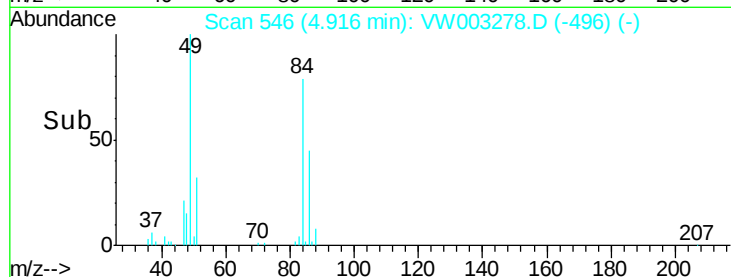
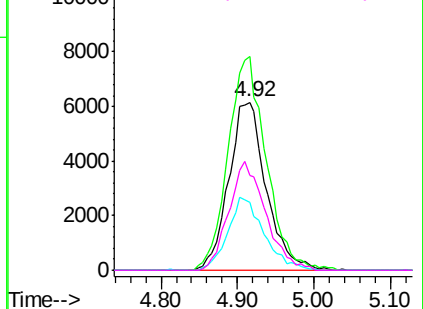


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.059 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003278.D

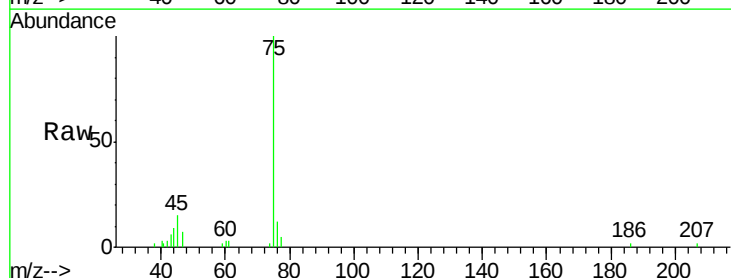
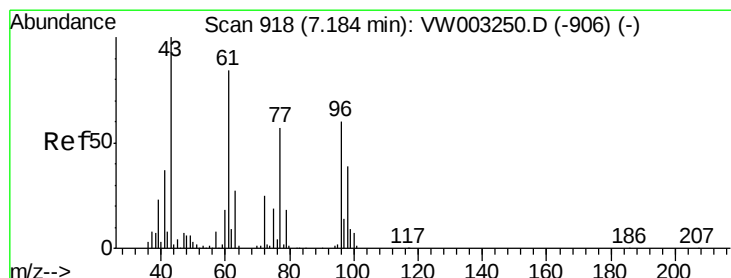
Acq: 15 Jun 2018 02:08

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

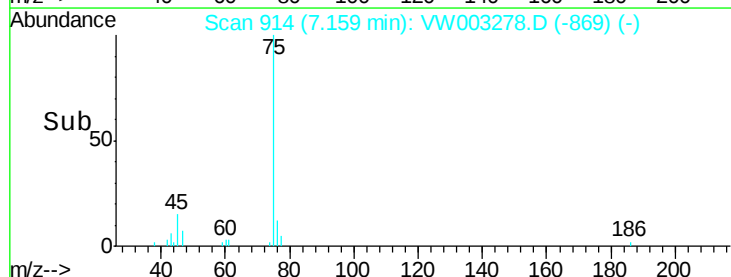
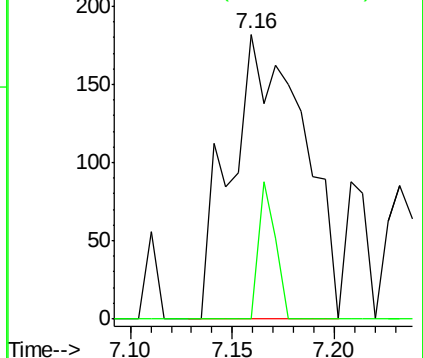
43 100

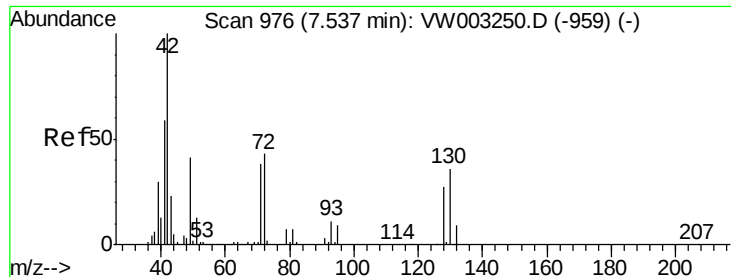
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

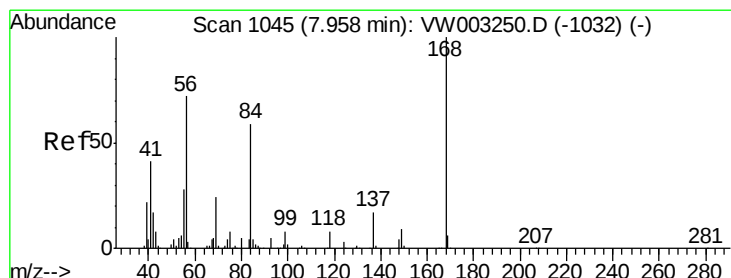
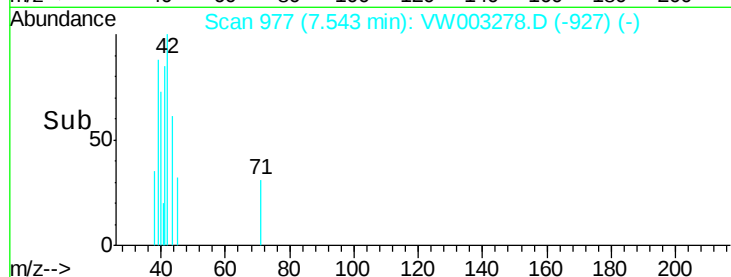
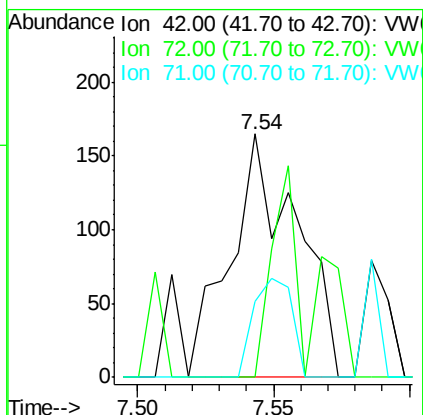
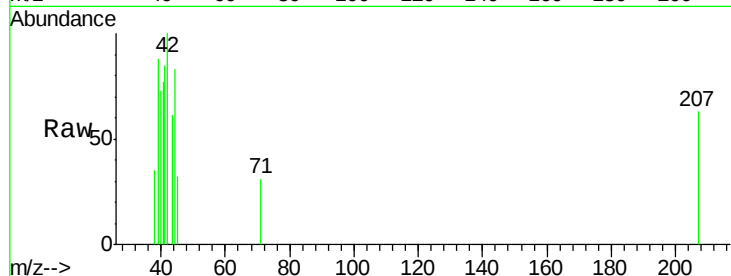




#29
Tetrahydrofuran
Concen: 1.076 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

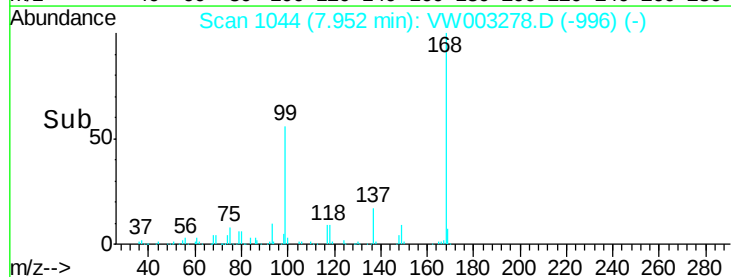
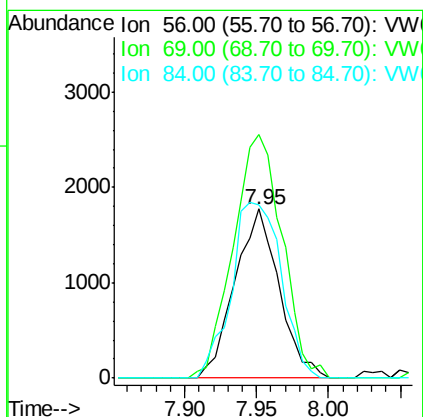
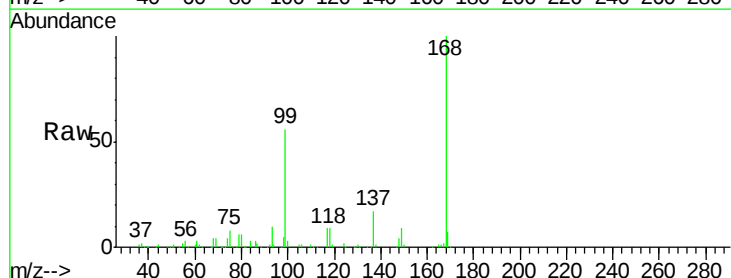
Instrument :
MSVOA_W
ClientSampled :
SB-53(0-5)

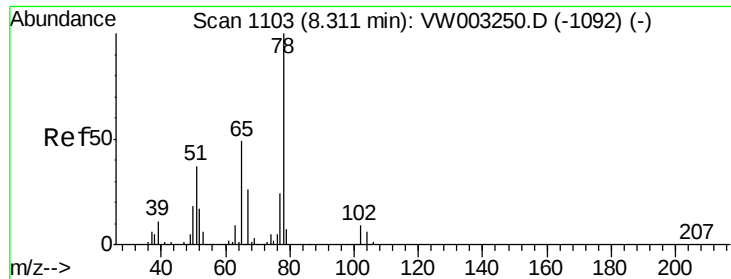
Tgt Ion: 42 Resp: 280
Ion Ratio Lower Upper
42 100
72 50.4 32.4 48.6#
71 23.2 31.2 46.8#



#31
Cyclohexane
Concen: 1.436 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

Tgt Ion: 56 Resp: 3787
Ion Ratio Lower Upper
56 100
69 144.0 26.3 39.5#
84 102.7 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 51.239 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

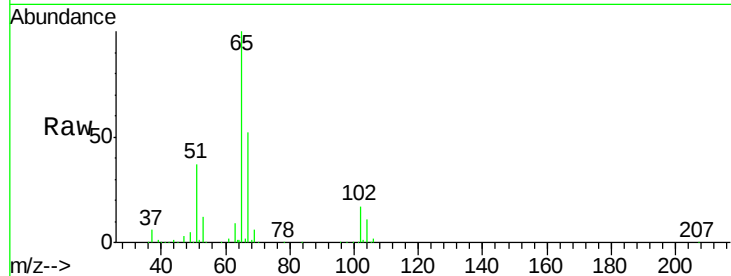
SB-53(0-5)

Tgt Ion: 65 Resp: 83641

Ion Ratio Lower Upper

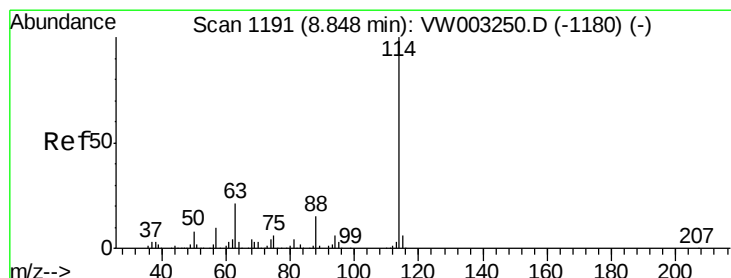
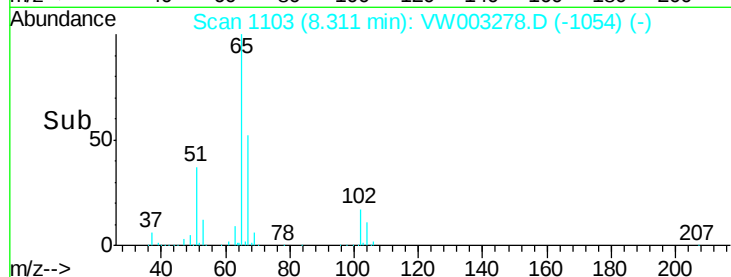
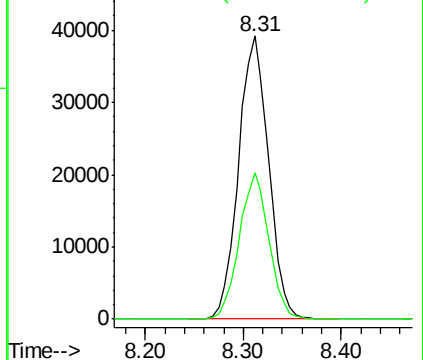
65 100

67 50.8 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: VW003278.D

Acq: 15 Jun 2018 02:08

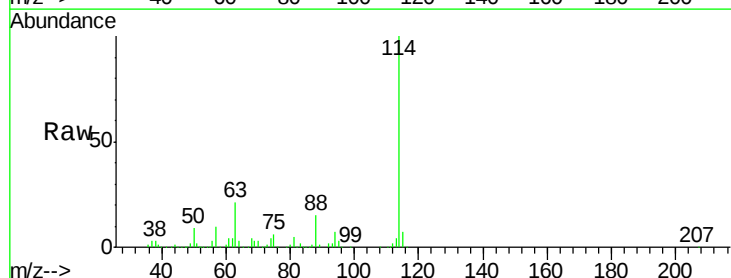
Tgt Ion: 114 Resp: 266975

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

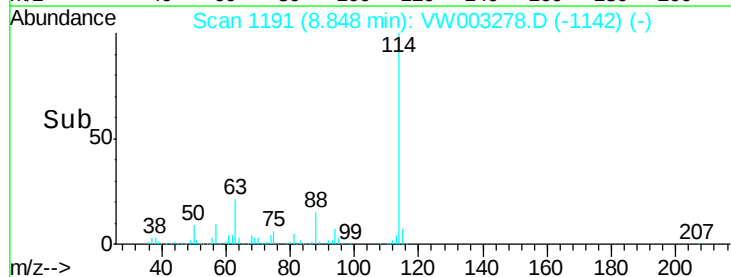
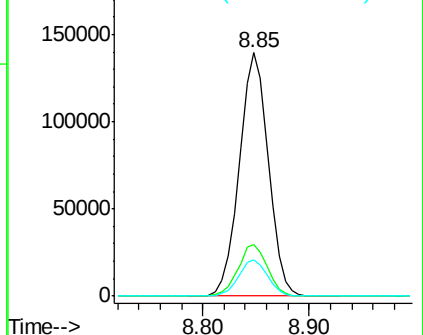
88 14.9 0.0 29.6

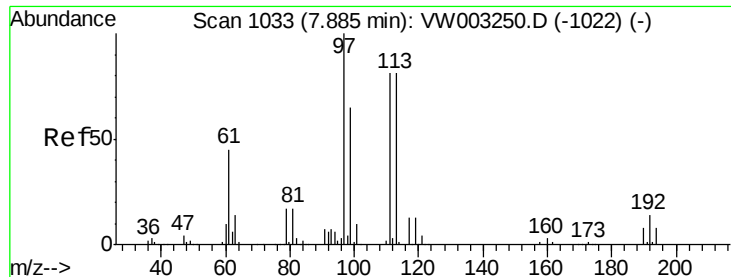


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

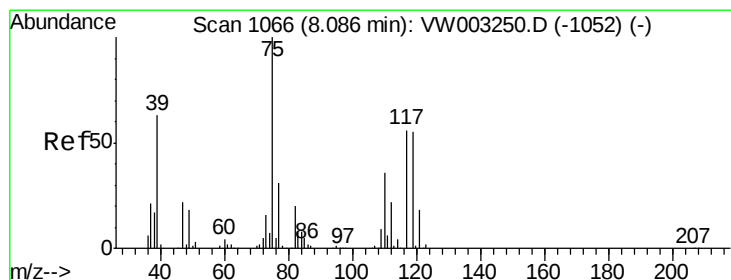
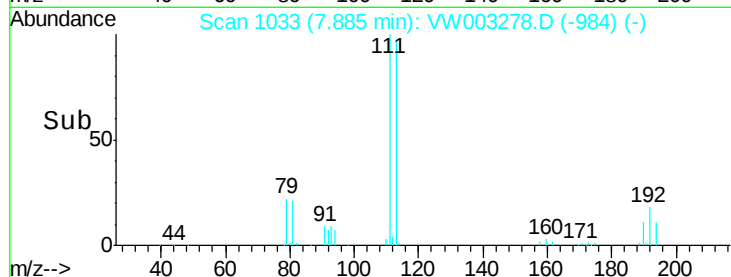
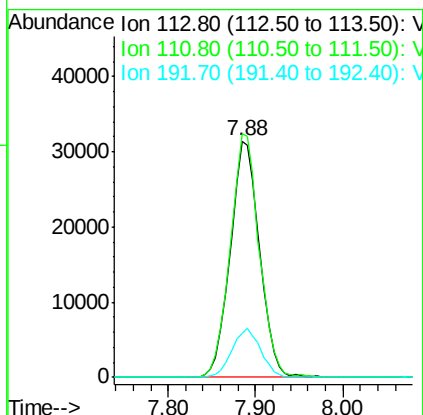
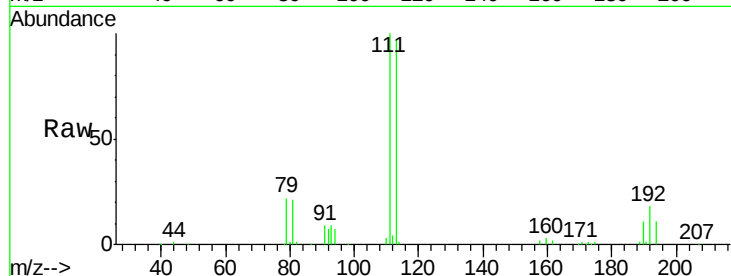




#35
Dibromofluoromethane
Concen: 44.032 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

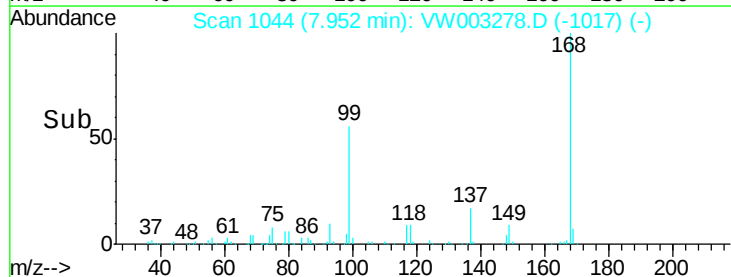
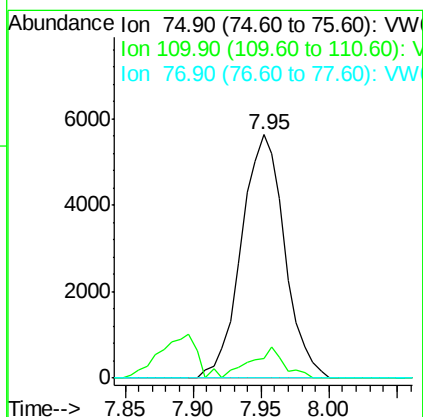
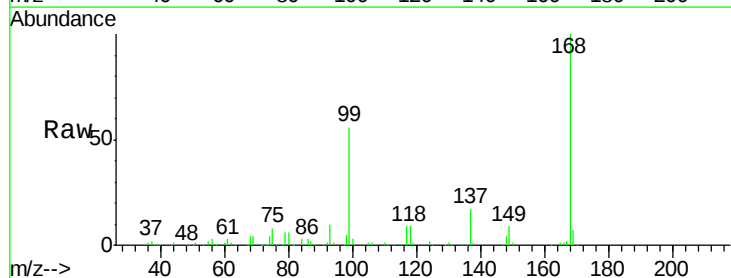
Instrument :
MSVOA_W
ClientSampleId :
SB-53(0-5)

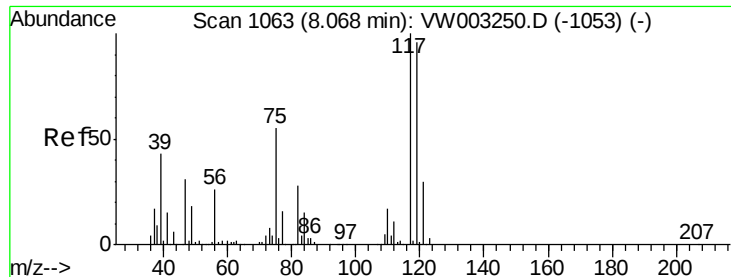
Tgt Ion:113 Resp: 73045
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

Tgt Ion: 75 Resp: 12496
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.3#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

SB-53(0-5)

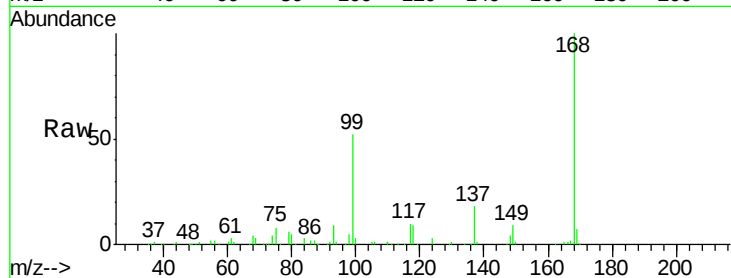
Tgt Ion:117 Resp: 15251

Ion Ratio Lower Upper

117 100

119 4.0 76.6 115.0#

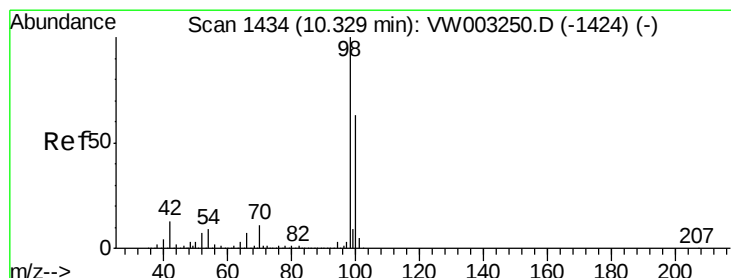
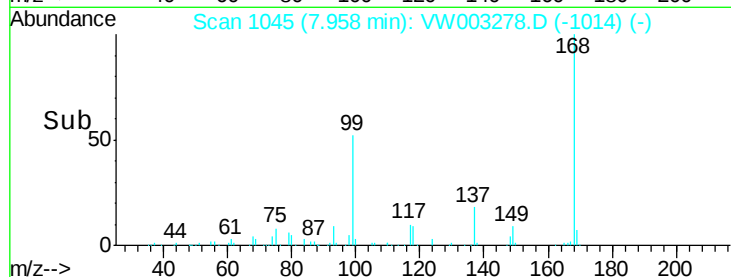
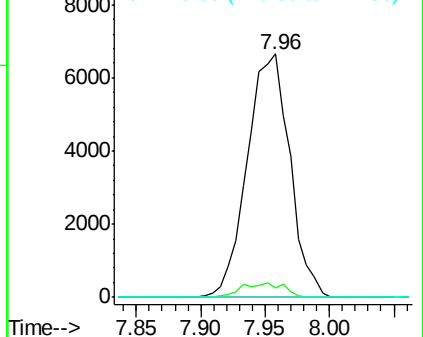
121 0.0 23.9 35.9#



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: 35.104 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003278.D

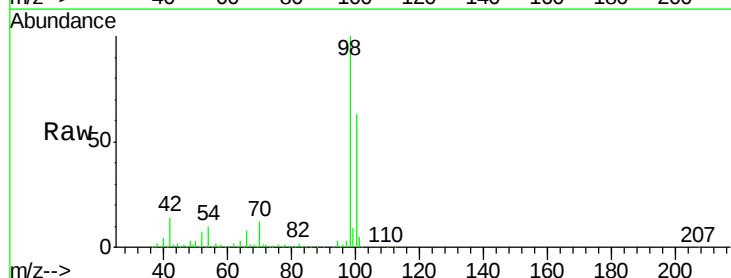
Acq: 15 Jun 2018 02:08

Tgt Ion: 98 Resp: 230909

Ion Ratio Lower Upper

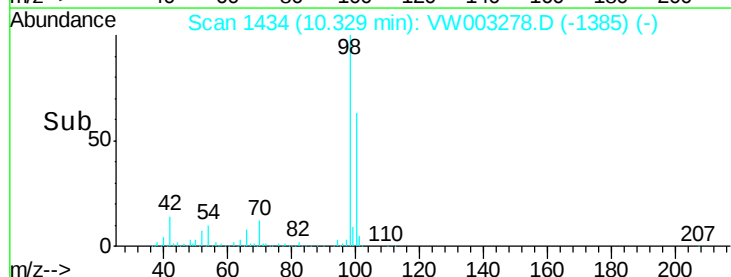
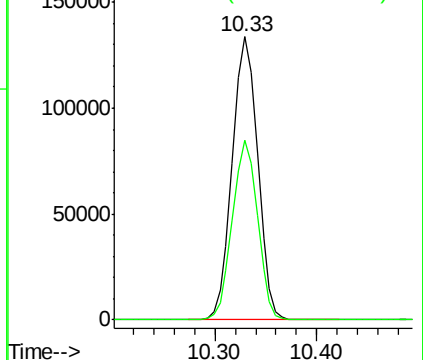
98 100

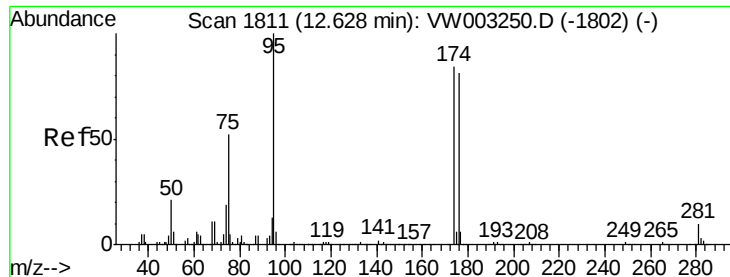
100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

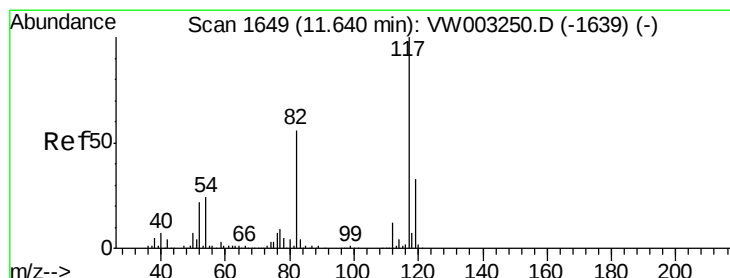
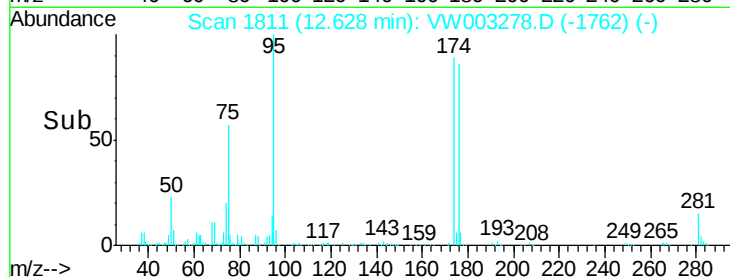
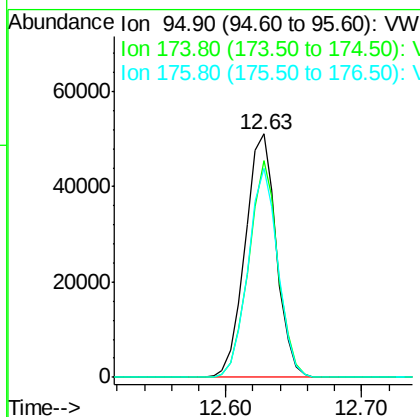
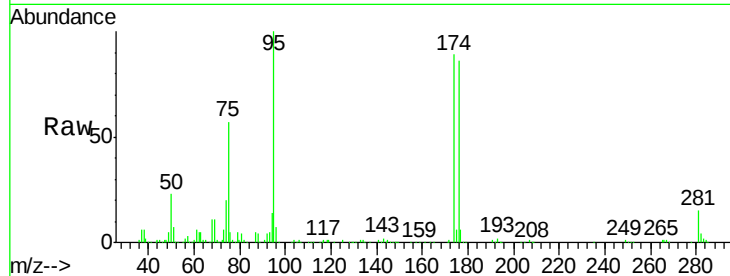




#62
4-Bromofluorobenzene
Concen: 35.117 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

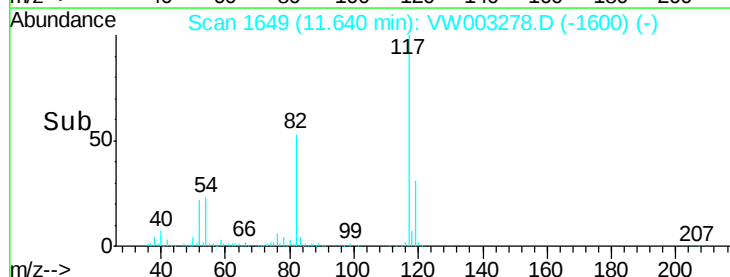
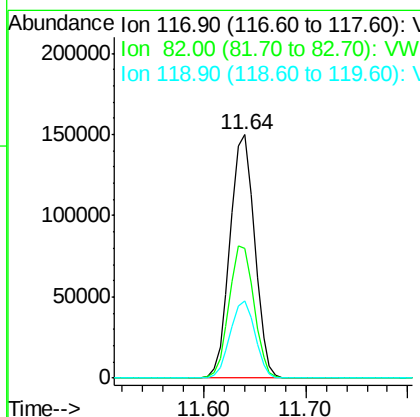
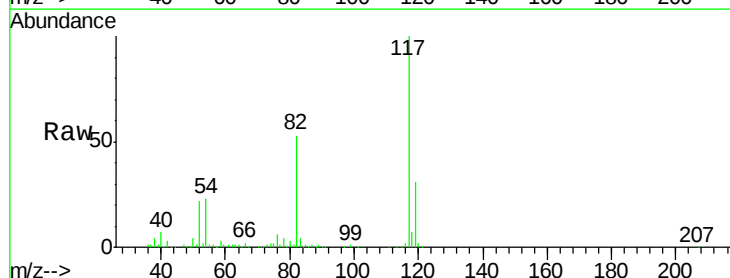
Instrument :
MSVOA_W
ClientSampleId :
SB-53(0-5)

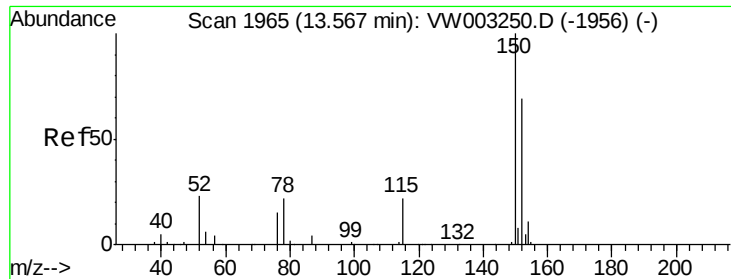
Tgt Ion: 95 Resp: 81747
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.4
176 82.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW003278.D
Acq: 15 Jun 2018 02:08

Tgt Ion: 117 Resp: 249688
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 31.5 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: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

SB-53(0-5)

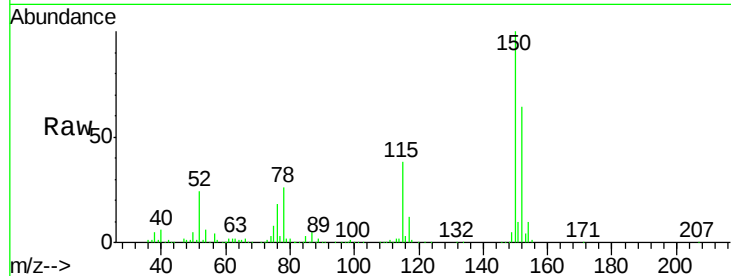
Tgt Ion:152 Resp: 116980

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

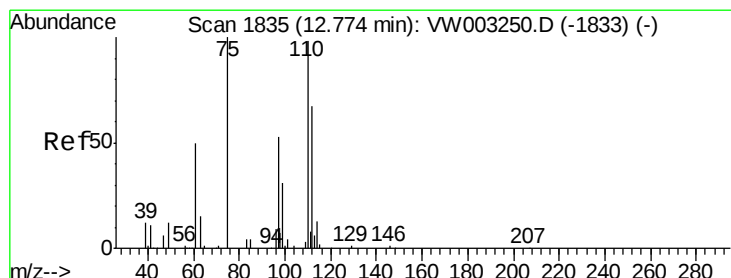
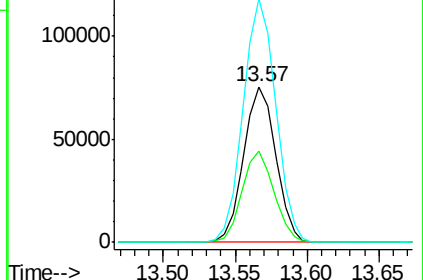
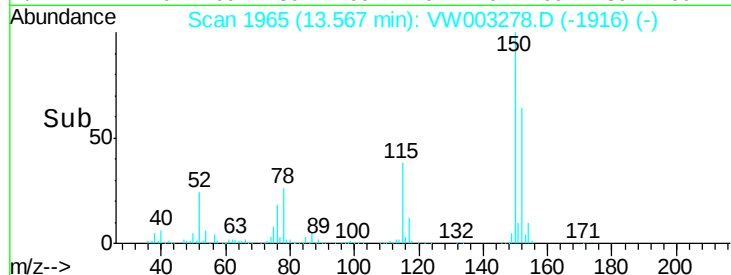
150 157.8 0.0 349.6



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: 45.019 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003278.D

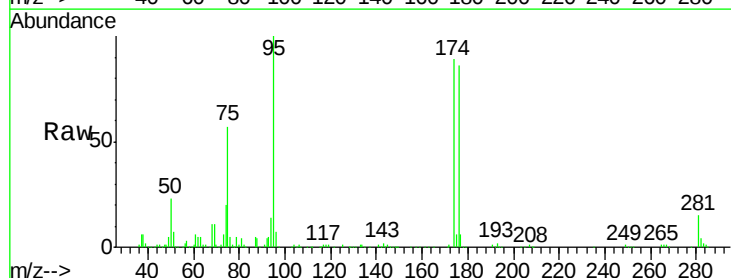
Acq: 15 Jun 2018 02:08

Tgt Ion: 75 Resp: 45021

Ion Ratio Lower Upper

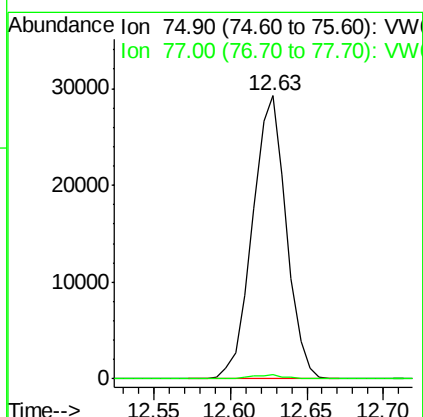
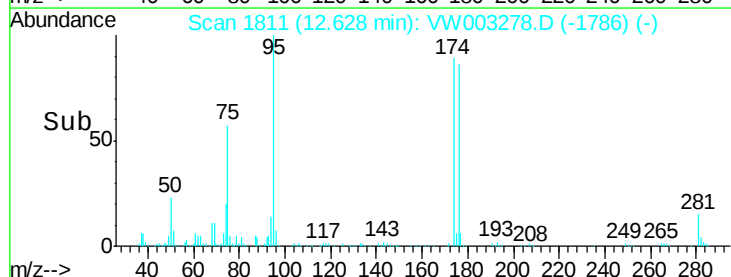
75 100

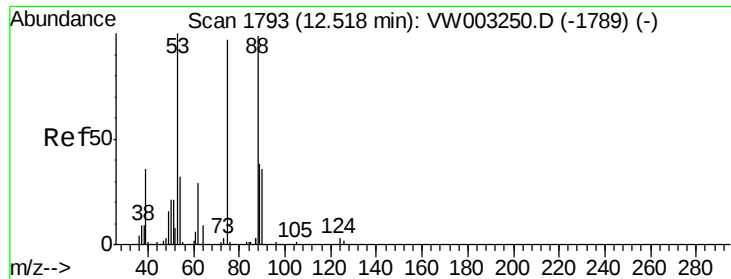
77 1.4 0.0 0.0#



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: 103.591 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003278.D

Acq: 15 Jun 2018 02:08

Instrument :

MSVOA_W

ClientSampleId :

SB-53(0-5)

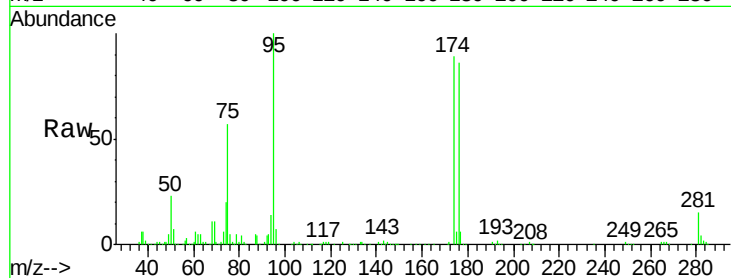
Tgt Ion: 75 Resp: 45021

Ion Ratio Lower Upper

75 100

53 0.3 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

