

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010878.D
 Acq On : 20 Jun 2019 06:15
 Operator : SY/VA
 Sample : K3447-06
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-4

Quant Time: Jun 20 07:29:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	111293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	194609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59700	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	84992	64.79	ug/l	0.00
Spiked Amount			Recovery	=	129.58%	
35) Dibromofluoromethane	7.88	113	57932	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
50) Toluene-d8	10.32	98	225347	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.62	95	76374	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

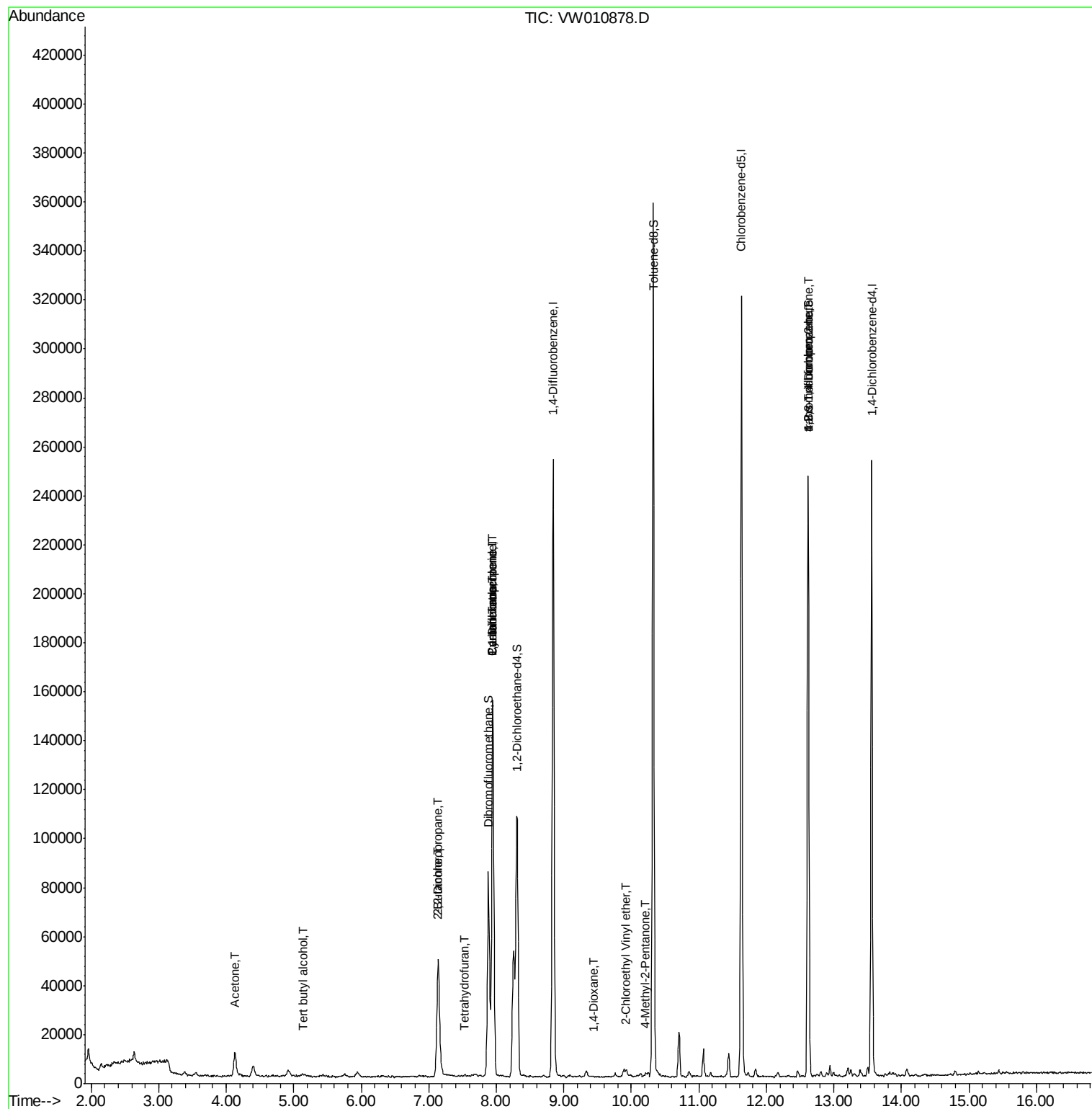
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	1268	11.865	ug/l #	76
16) Acetone	4.12	43	17820	50.699	ug/l	94
25) 2-Butanone	7.13	43	3109	6.379	ug/l #	74
26) 2,2-Dichloropropane	7.14	77	3252	1.678	ug/l #	55
29) Tetrahydrofuran	7.53	42	486	1.585	ug/l #	56
31) Cyclohexane	7.95	56	3363	1.271	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	10610	5.326	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11497	6.686	ug/l #	19
49) 1,4-Dioxane	9.45	88	21	2.010	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	1466	1.346	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	1255	1.618	ug/l #	88
76) 1,2,3-Trichloropropane	12.62	75	42323	67.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42323	155.156	ug/l #	5

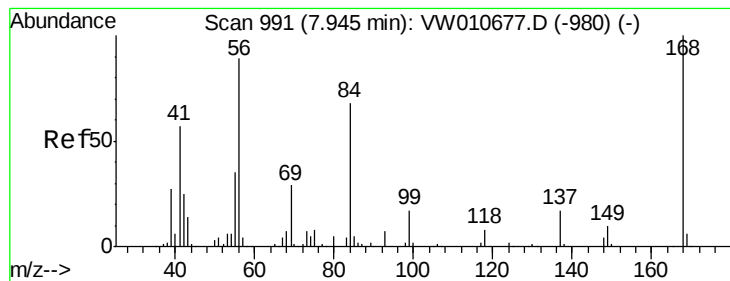
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampled :

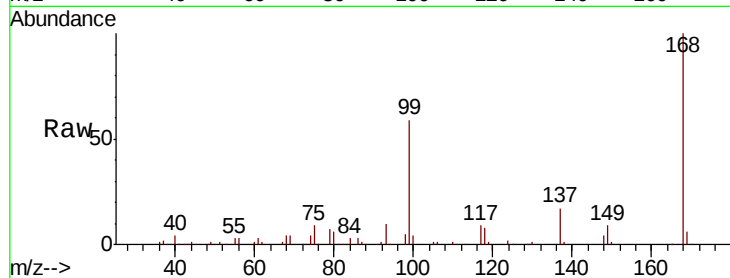
SIDEWALL-4

Tot Ion:168 Resp: 111293

Ion Ratio Lower Upper

168 100

99 59.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

10000

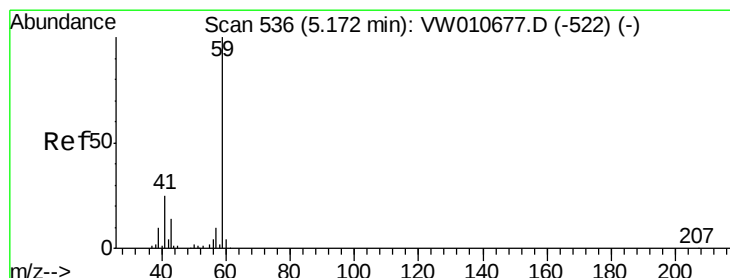
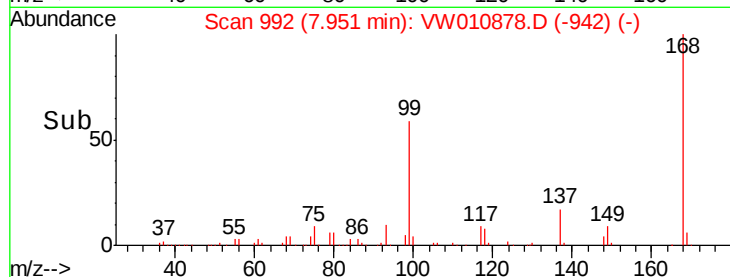
0

7.90

8.00

8.10

Time-->



#11

Tert butyl alcohol

Concen: 11.865 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW010878.D

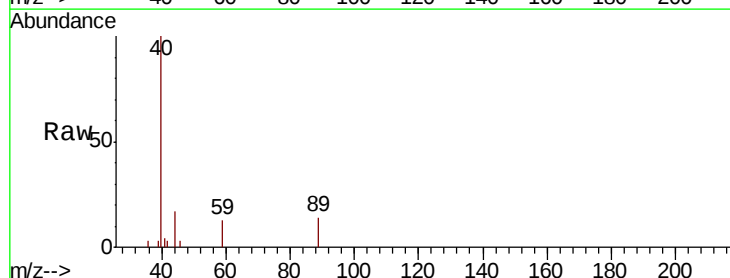
Acq: 20 Jun 2019 06:15

Tgt Ion: 59 Resp: 1268

Ion Ratio Lower Upper

59 100

57 1.7 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

200

100

0

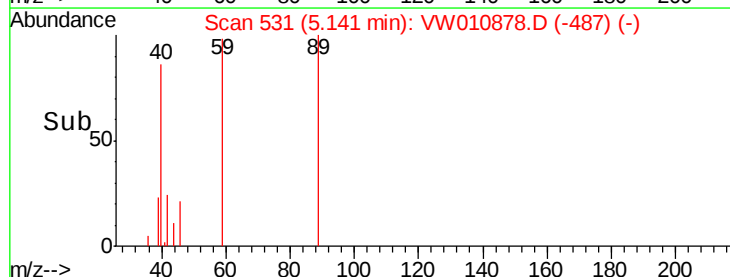
5.05

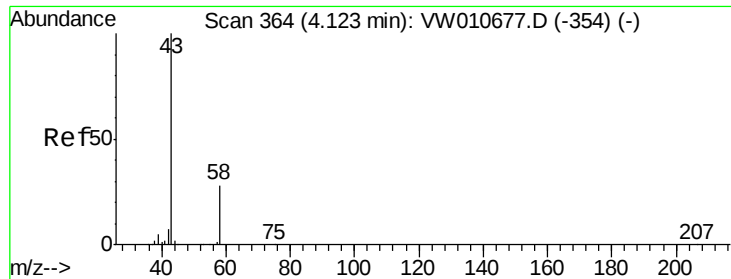
5.10

5.15

5.20

Time-->





#16

Acetone

Concen: 50.699 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

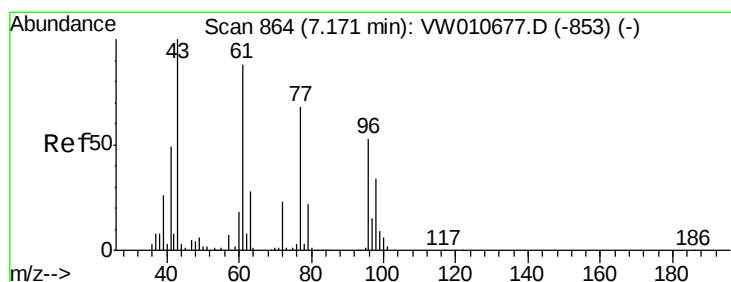
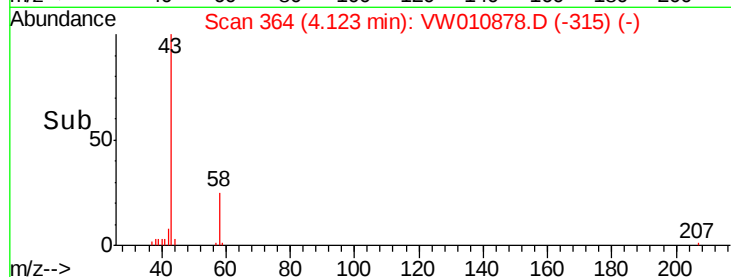
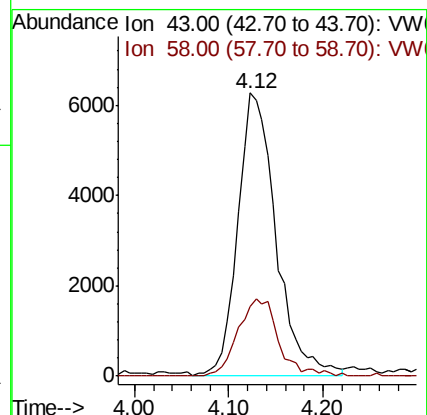
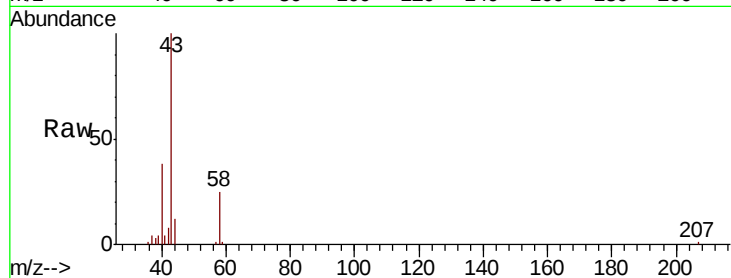
SIDEWALL-4

Tot Ion: 43 Resp: 17820

Ion Ratio Lower Upper

43 100

58 24.6 22.1 33.1



#25

2-Butanone

Concen: 6.379 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW010878.D

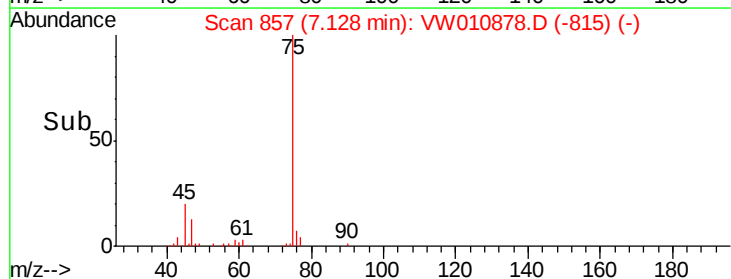
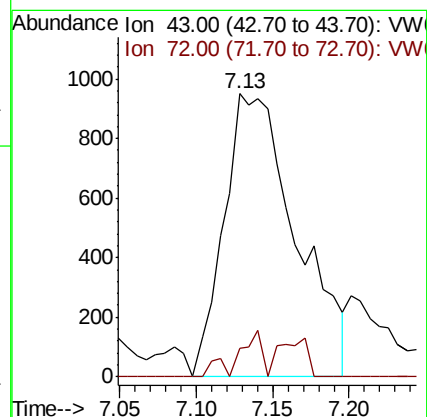
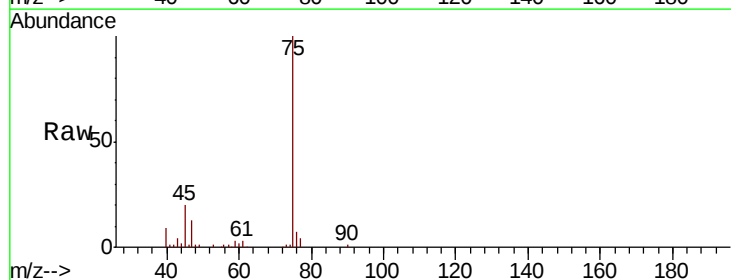
Acq: 20 Jun 2019 06:15

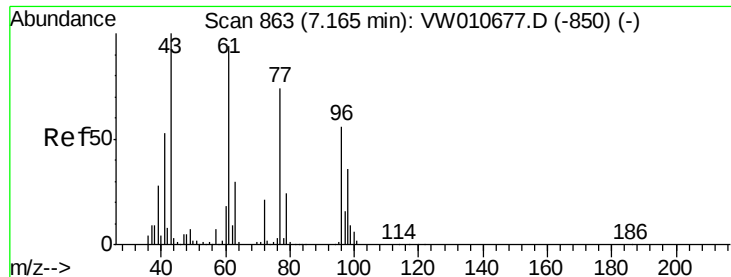
Tgt Ion: 43 Resp: 3109

Ion Ratio Lower Upper

43 100

72 9.9 18.1 27.1#





#26

2,2-Dichloropropane

Concen: 1.678 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampled :

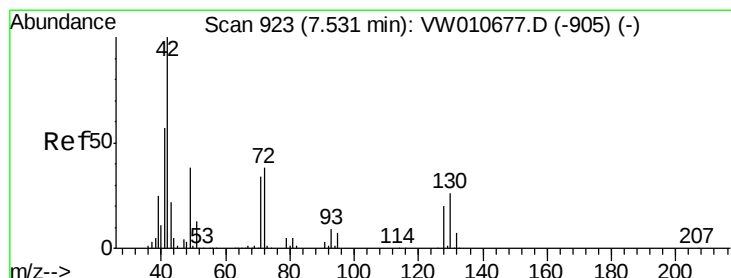
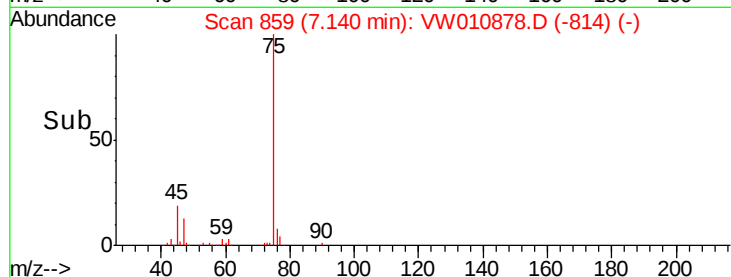
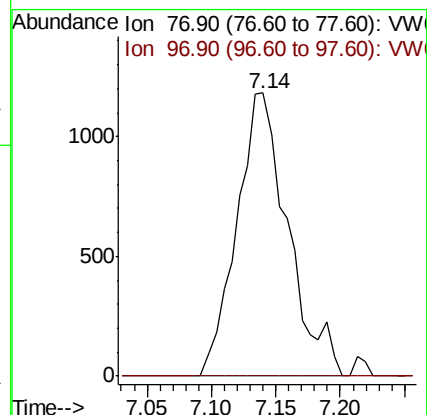
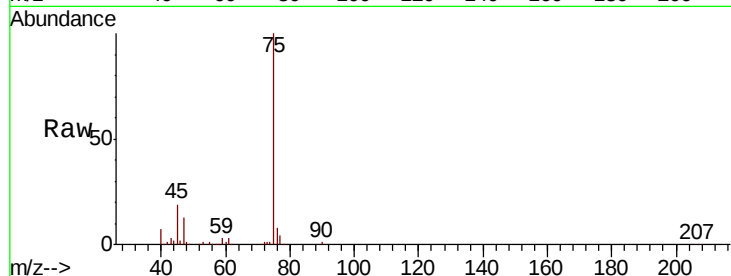
SIDEWALL-4

Tot Ion: 77 Resp: 3252

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



#29

Tetrahydrofuran

Concen: 1.585 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

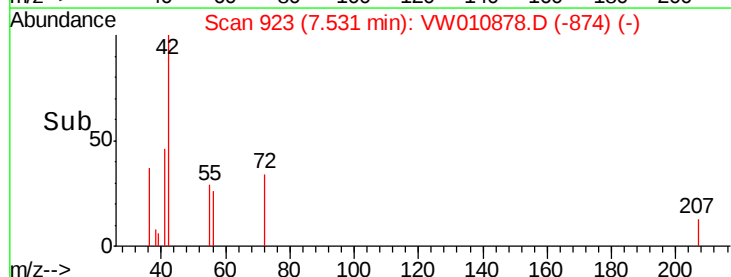
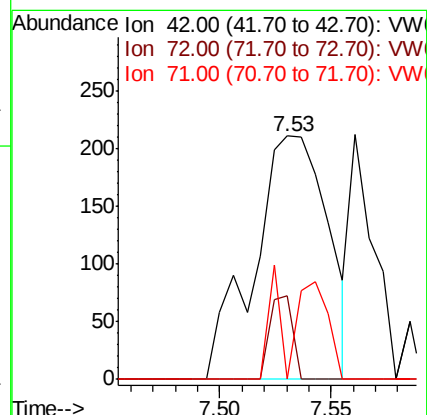
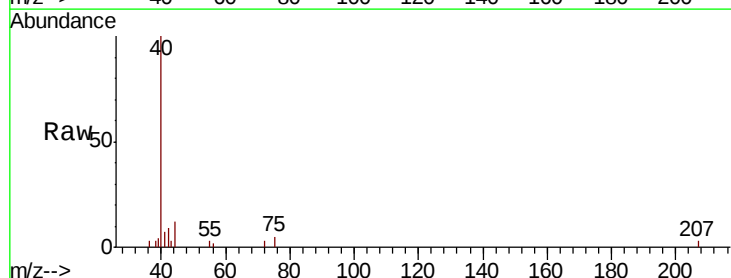
Tgt Ion: 42 Resp: 486

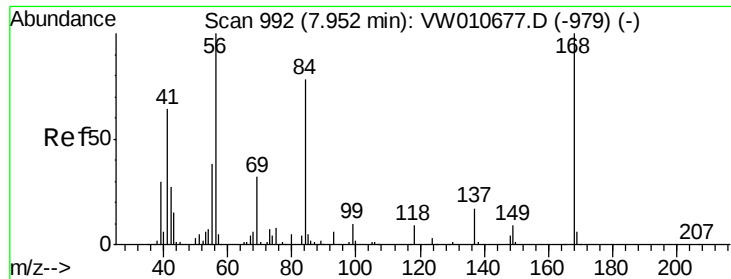
Ion Ratio Lower Upper

42 100

72 10.7 28.7 43.1#

71 7.4 26.6 39.8#

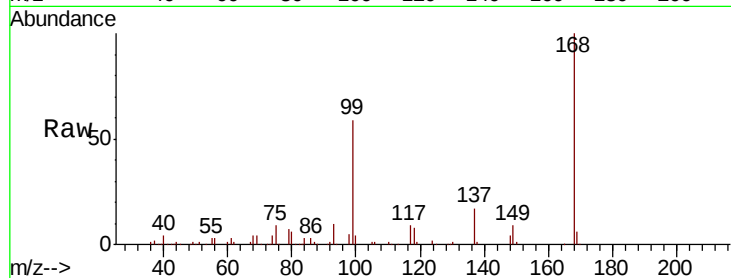




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010878.D
Acq: 20 Jun 2019 06:15

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Tot Ion	Ratio	Lower	Upper
56	100		
69	152.3	25.2	37.8#
84	113.1	62.2	93.2#

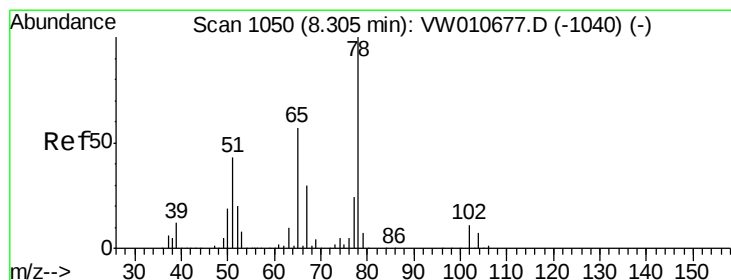
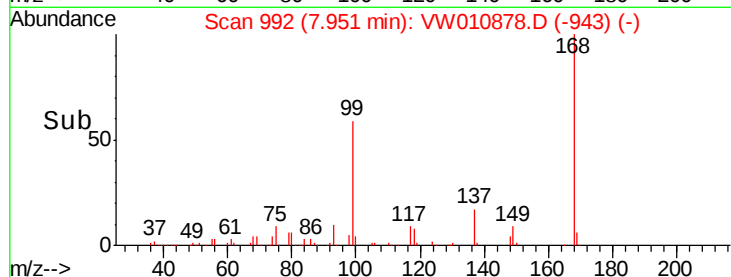
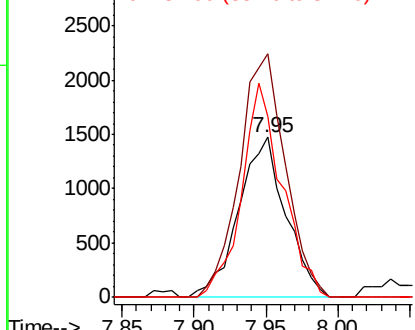


Abundance

Ion 56.00 (55.70 to 56.70): VW

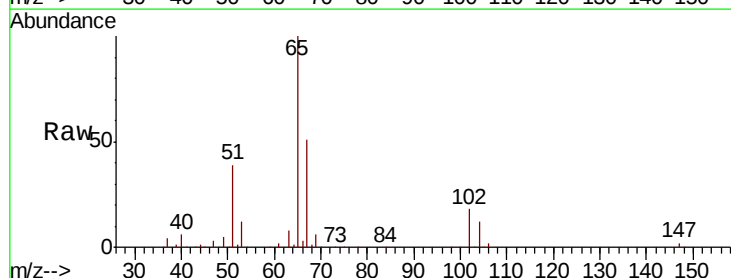
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33
1,2-Dichloroethane-d4
Concen: 64.792 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010878.D
Acq: 20 Jun 2019 06:15

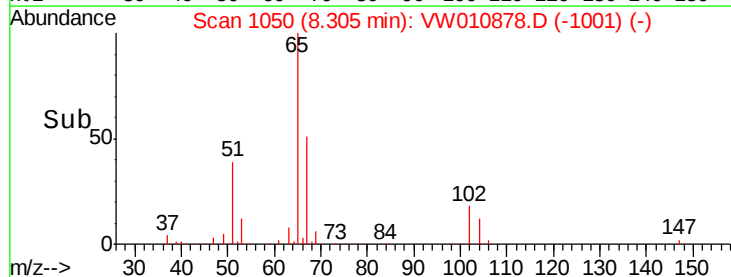
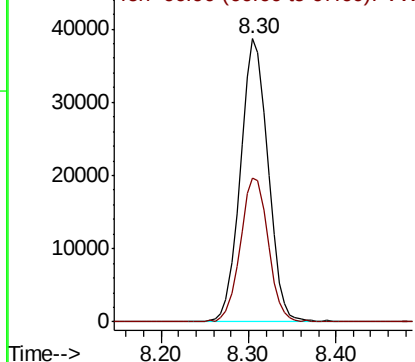
Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6

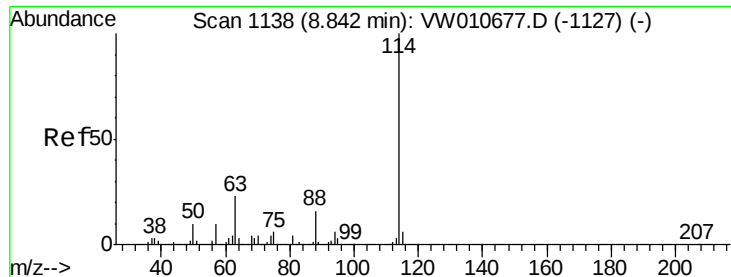


Abundance

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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-4

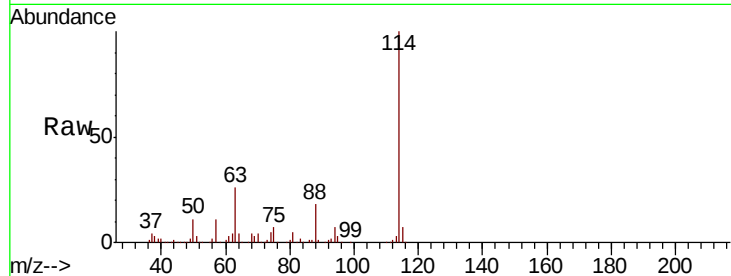
Tot Ion:114 Resp: 194609

Ion Ratio Lower Upper

114 100

63 25.6 0.0 46.4

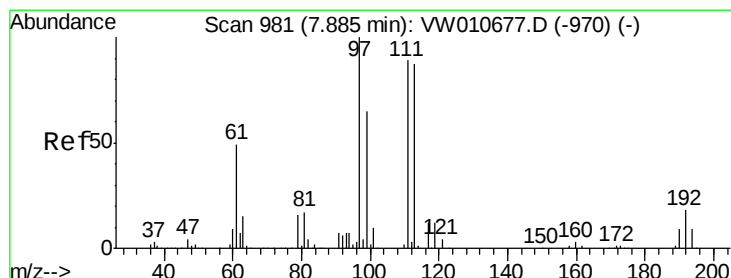
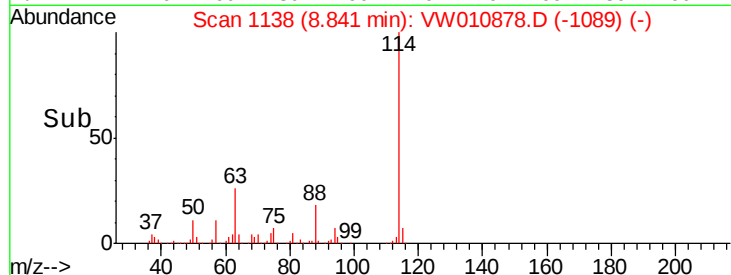
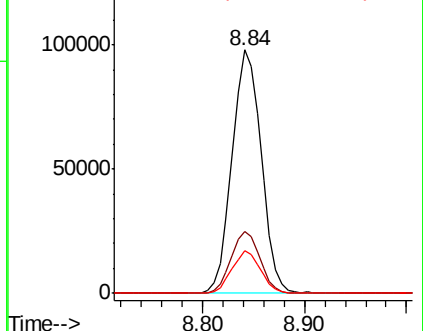
88 17.6 0.0 32.2



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: 54.844 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

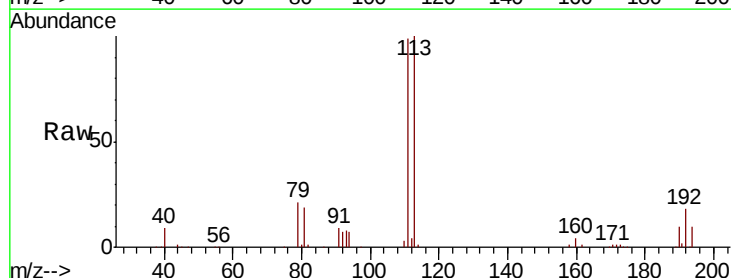
Tgt Ion:113 Resp: 57932

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

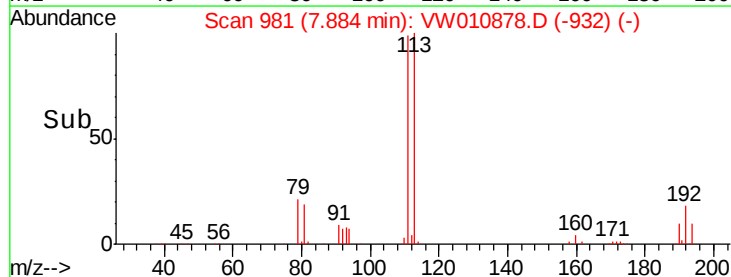
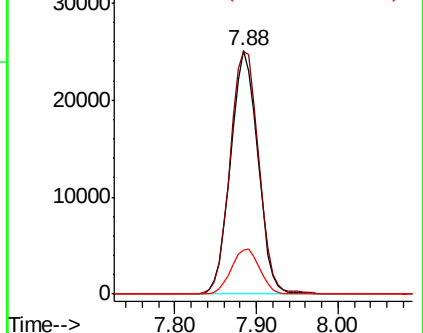
192 19.4 16.4 24.6

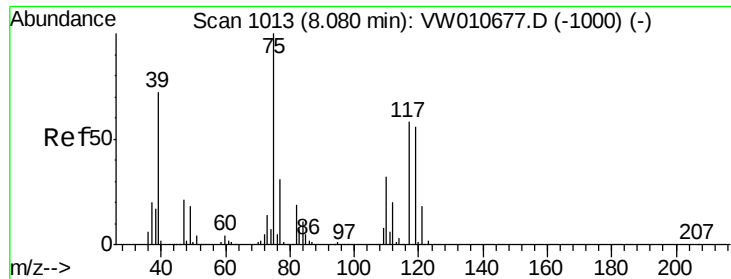


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.326 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-4

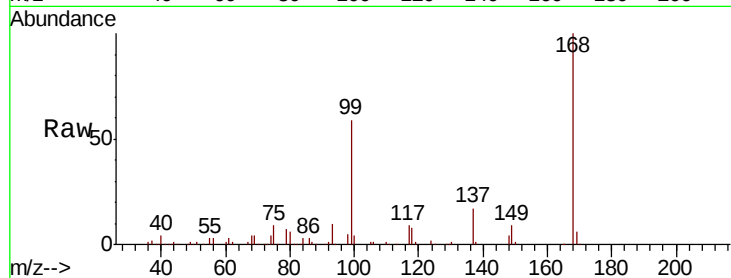
Tot Ion: 75 Resp: 10610

Ion Ratio Lower Upper

75 100

110 8.9 15.8 47.3#

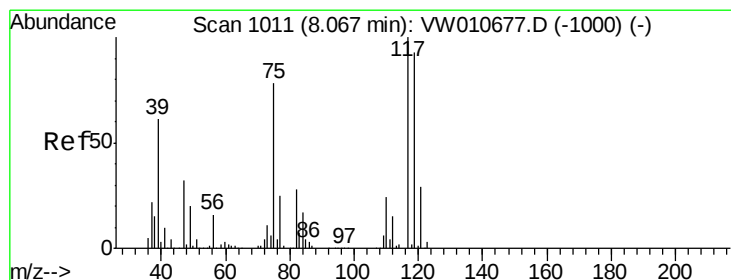
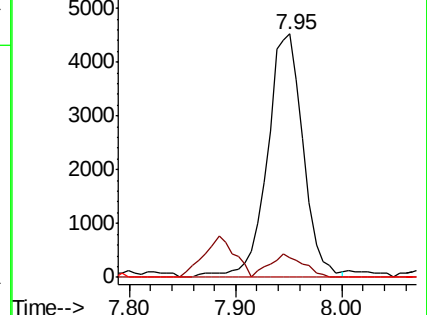
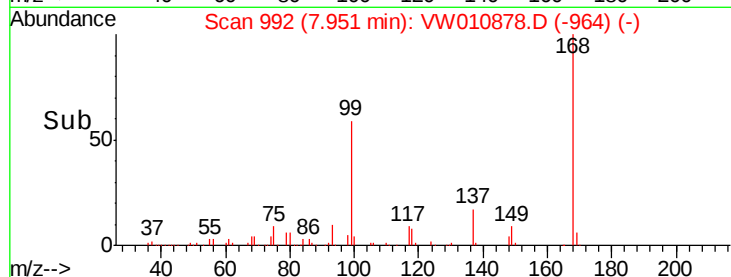
77 0.0 24.7 37.1#



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: 6.686 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

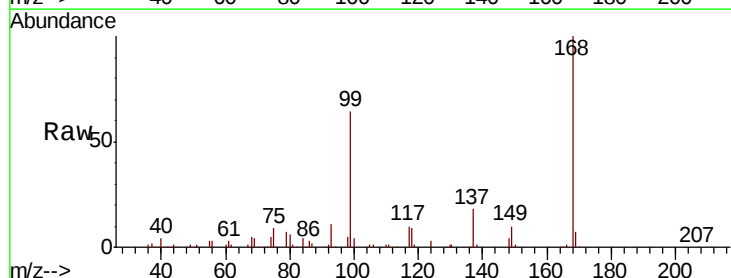
Tgt Ion: 117 Resp: 11497

Ion Ratio Lower Upper

117 100

119 7.4 74.2 111.4#

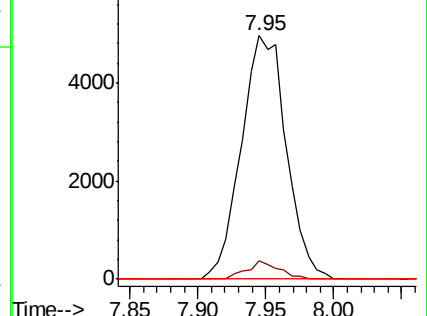
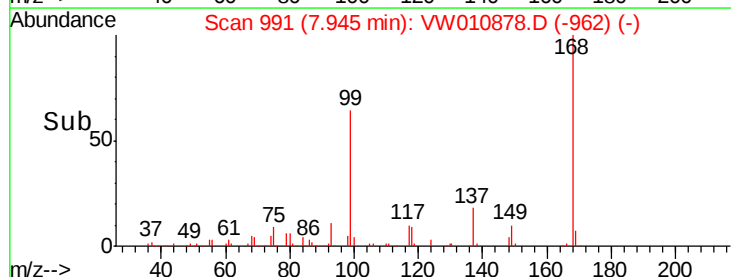
121 0.0 22.9 34.3#

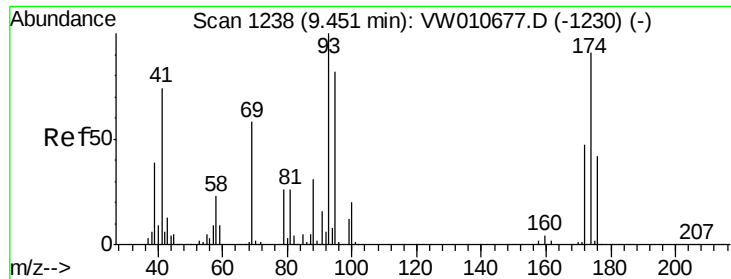


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.010 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampled :

SIDEWALL-4

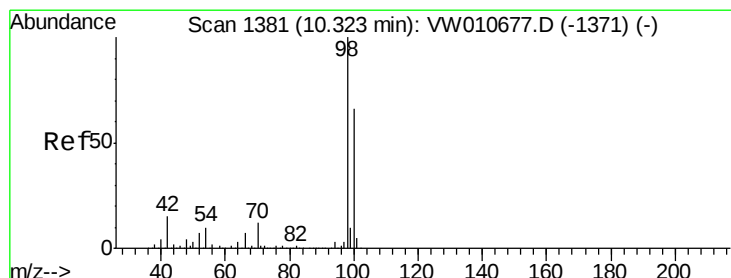
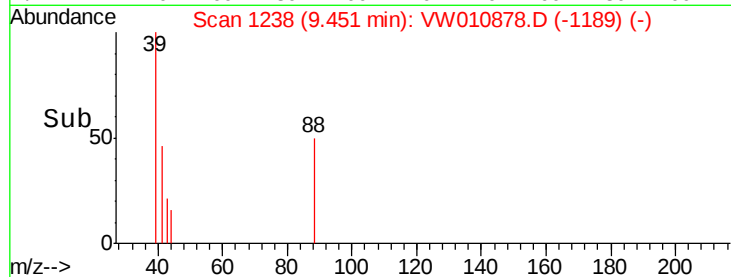
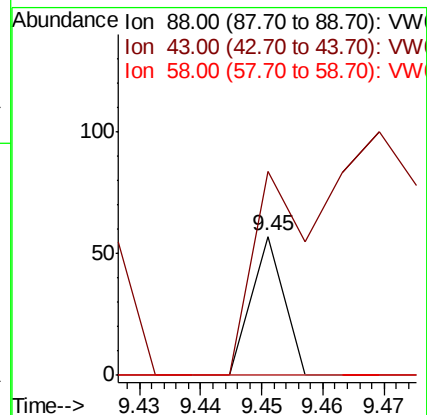
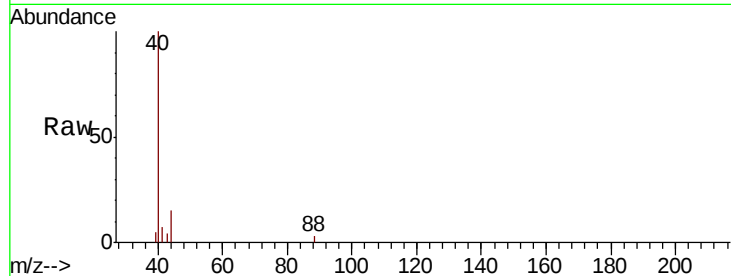
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 804.8 34.2 51.4#

58 0.0 69.0 103.4#



#50

Toluene-d8

Concen: 48.650 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010878.D

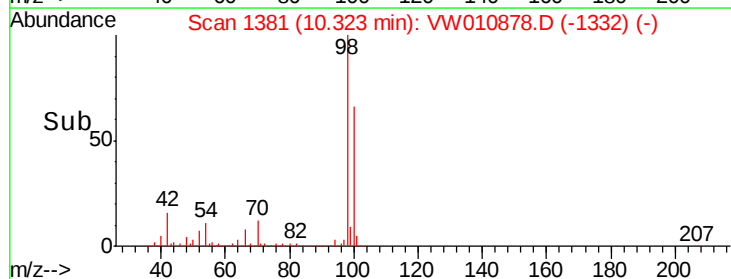
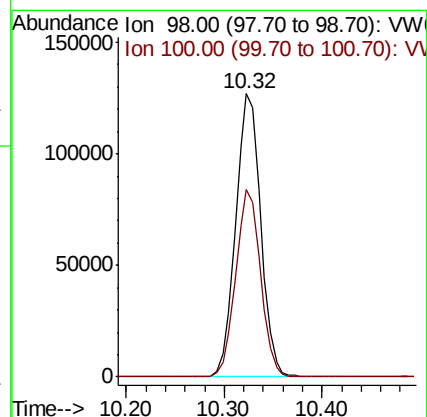
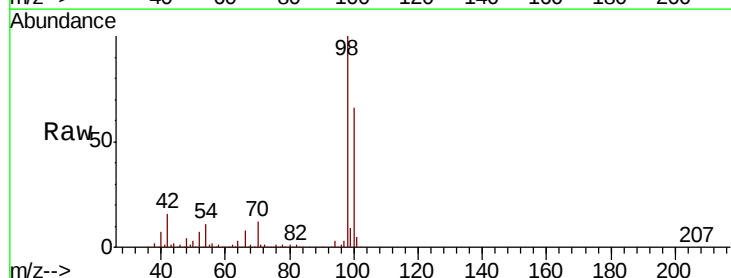
Acq: 20 Jun 2019 06:15

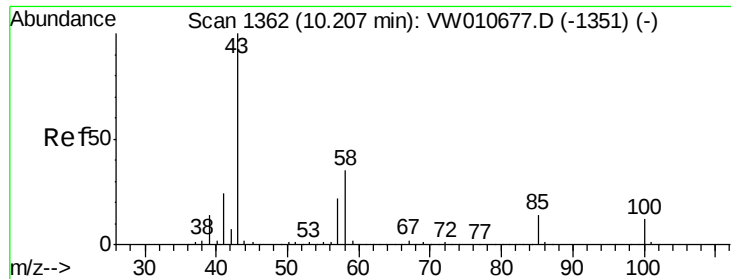
Tgt Ion: 98 Resp: 225347

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.346 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampled :

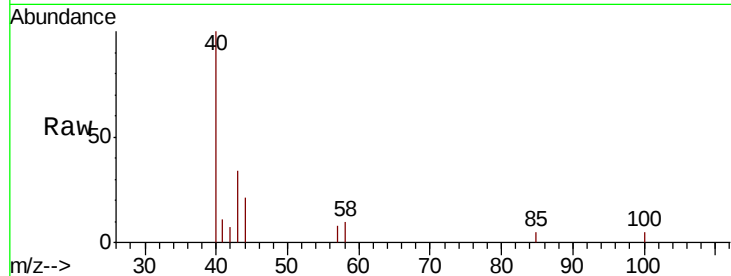
SIDEWALL-4

Tot Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 39.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

600

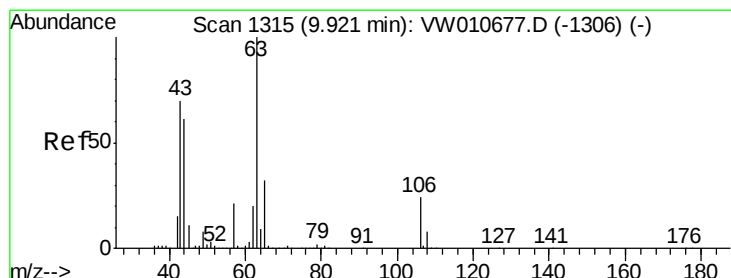
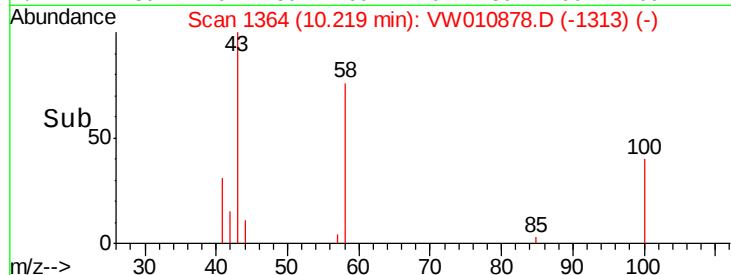
400

200

0

10.15 10.20 10.25

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.618 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW010878.D

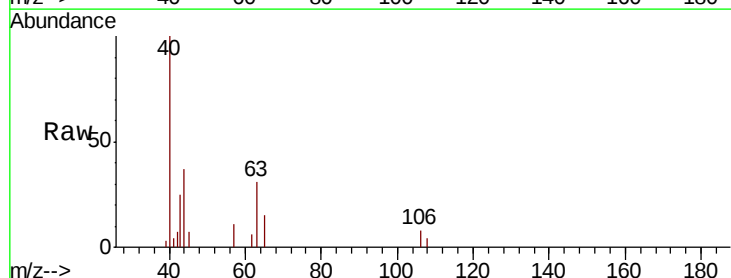
Acq: 20 Jun 2019 06:15

Tgt Ion: 63 Resp: 1255

Ion Ratio Lower Upper

63 100

106 30.9 20.1 30.1#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

600

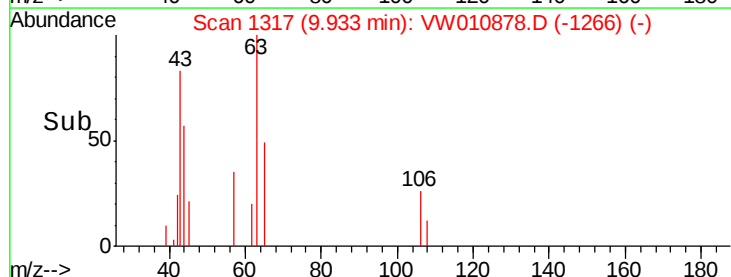
400

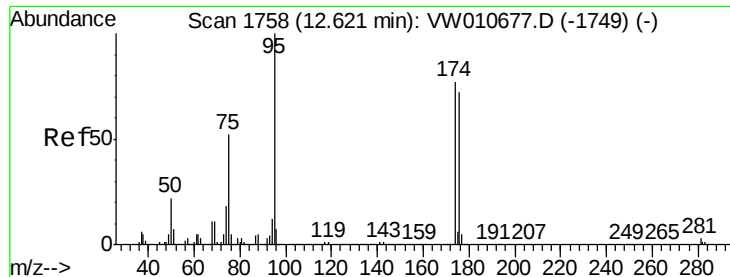
200

0

9.85 9.90 9.95 10.00

Time-->

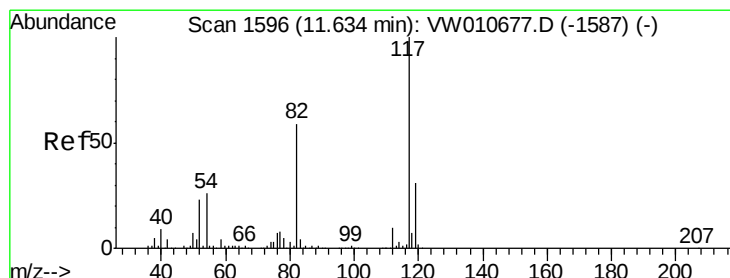
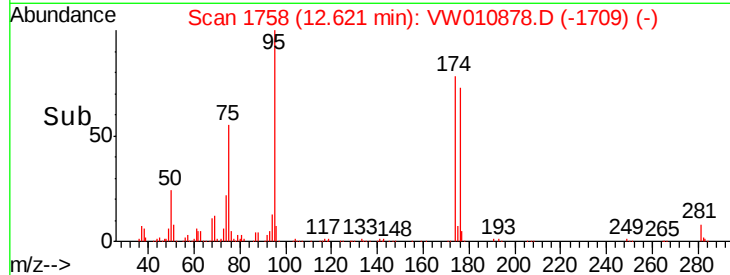
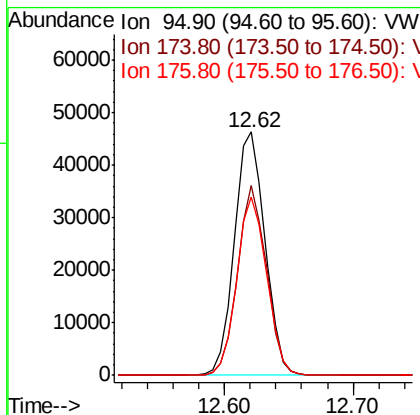
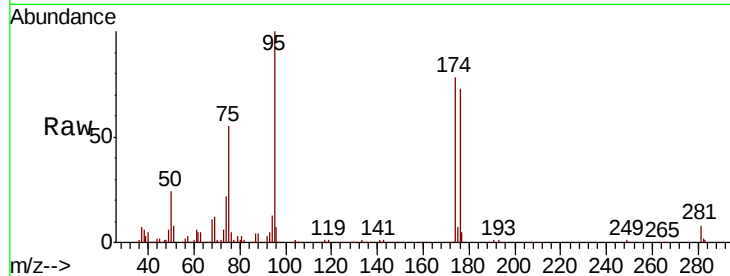




#62
4-Bromofluorobenzene
Concen: 45.312 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010878.D
Acq: 20 Jun 2019 06:15

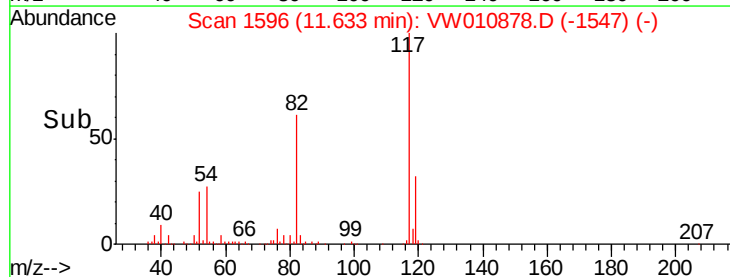
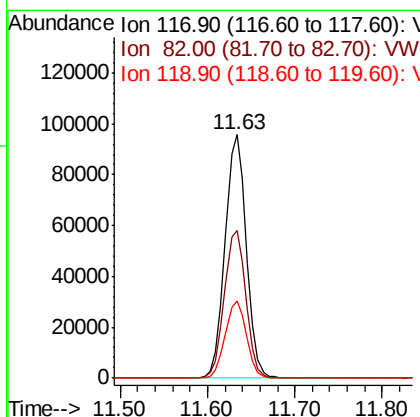
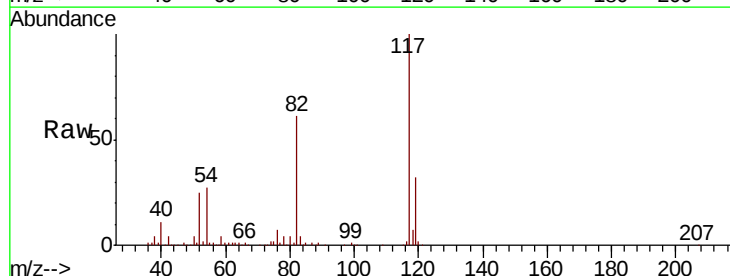
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

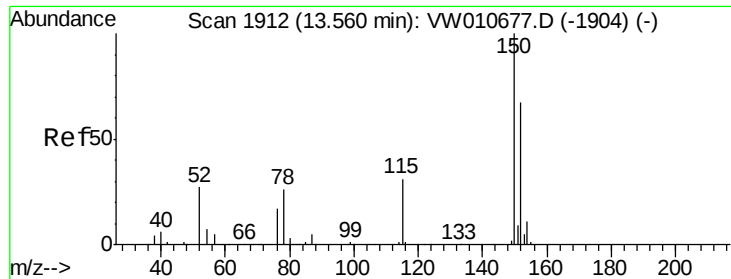
Tot Ion: 95 Resp: 76374
Ion Ratio Lower Upper
95 100
174 73.5 0.0 150.4
176 71.5 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010878.D
Acq: 20 Jun 2019 06:15

Tgt Ion: 117 Resp: 161117
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.4
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-4

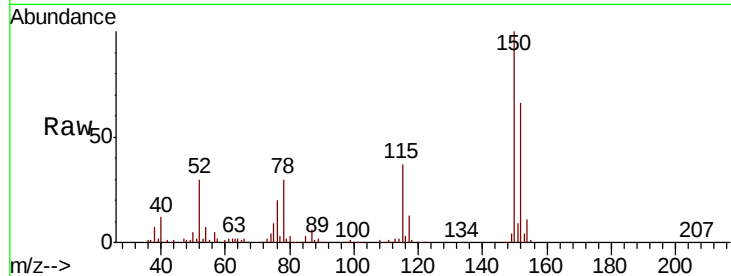
Tot Ion:152 Resp: 59700

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.3

150 155.9 0.0 345.0

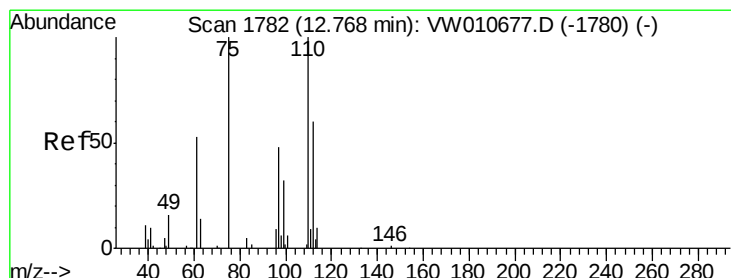
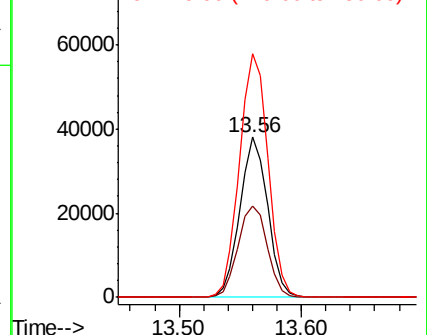
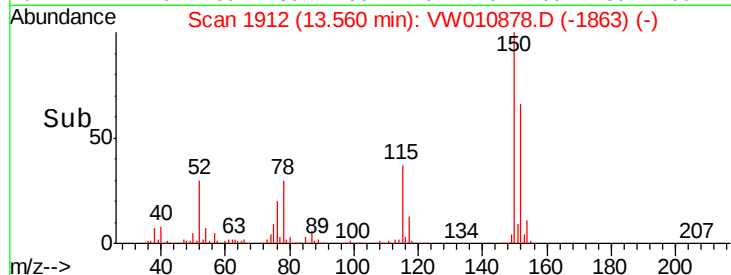


Abundance

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: 67.508 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010878.D

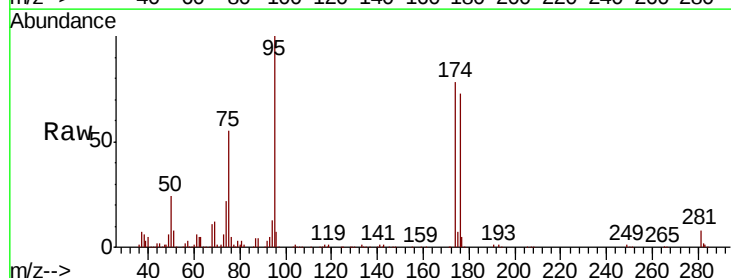
Acq: 20 Jun 2019 06:15

Tgt Ion: 75 Resp: 42323

Ion Ratio Lower Upper

75 100

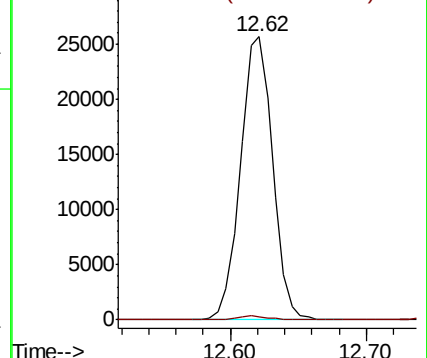
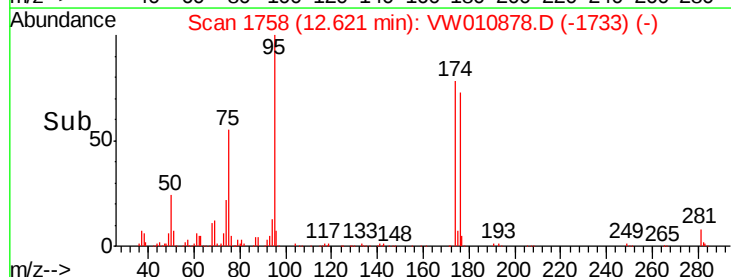
77 1.2 0.0 0.0#

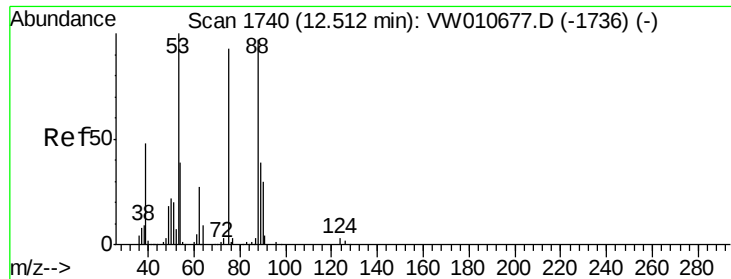


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 155.156 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010878.D

Acq: 20 Jun 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-4

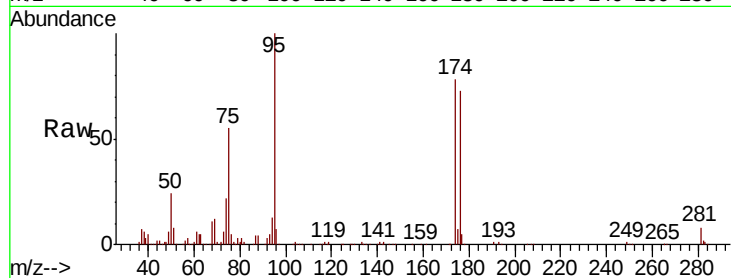
Tot Ion: 75 Resp: 42323

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



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

