

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010900.D
 Acq On : 20 Jun 2019 19:00
 Operator : SY/VA
 Sample : K3447-05
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-3

Quant Time: Jun 21 07:48:51 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	7.96	168	4090	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	5689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	2457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	2373	49.22	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	98.44%	
35) Dibromofluoromethane	7.89	113	1736	56.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.44%	
50) Toluene-d8	10.33	98	5548	40.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.94%	
62) 4-Bromofluorobenzene	12.62	95	744	15.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	30.20%	

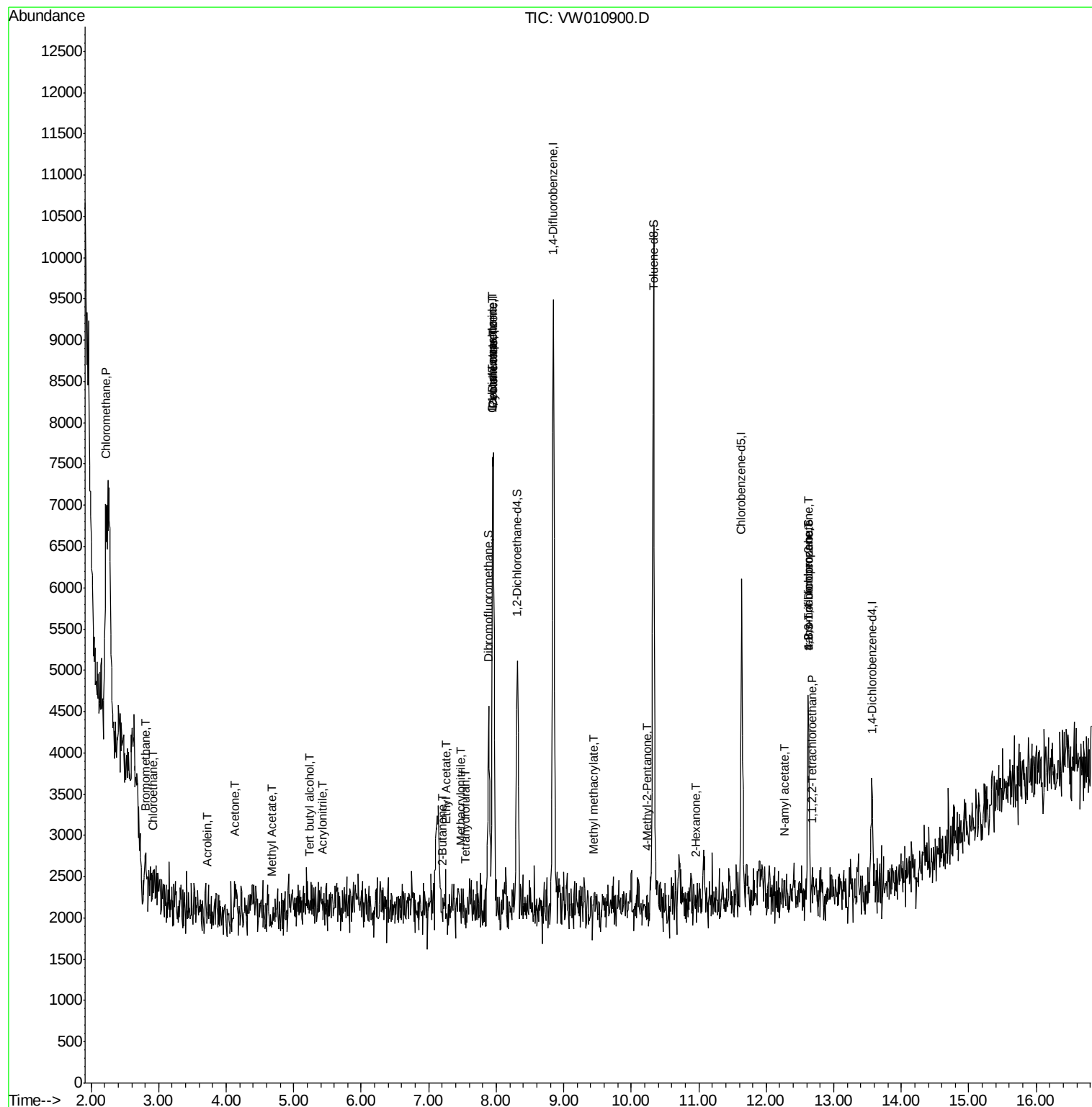
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	225	4.046	ug/l	95
5) Bromomethane	2.79	94	181	6.415	ug/l #	71
6) Chloroethane	2.90	64	125	4.053	ug/l #	43
11) Tert butyl alcohol	5.24	59	24	6.111	ug/l #	72
13) Acrolein	3.71	56	21	13.085	ug/l #	14
15) Acrylonitrile	5.43	53	20	1.727	ug/l #	17
16) Acetone	4.13	43	162	12.541	ug/l #	47
18) Methyl Acetate	4.68	43	41	1.475	ug/l #	55
25) 2-Butanone	7.20	43	19	1.061	ug/l #	53
29) Tetrahydrofuran	7.54	42	23	2.042	ug/l #	40
31) Cyclohexane	7.95	56	200	2.056	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	432	7.418	ug/l #	43
37) Ethyl Acetate	7.25	43	41	1.271	ug/l #	72
38) Carbon Tetrachloride	7.95	117	265	5.272	ug/l #	13
41) Methacrylonitrile	7.48	41	94	4.901	ug/l #	38
48) Methyl methacrylate	9.44	41	51	1.697	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	117	3.674	ug/l #	39
59) 2-Hexanone	10.96	43	45	1.955	ug/l #	28
74) N-amyl acetate	12.27	43	27	2.365	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.68	83	24	3.569	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	414	83.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	414	192.783	ug/l #	5

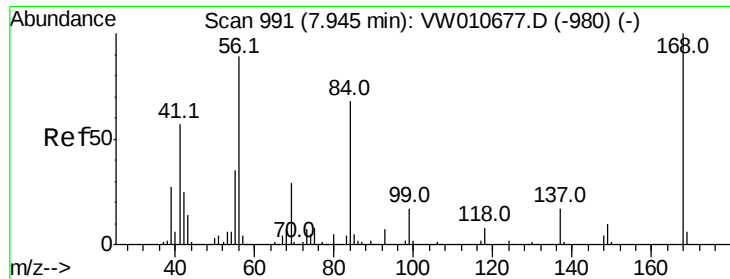
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\
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Quant Time: Jun 21 07:48:51 2019
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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

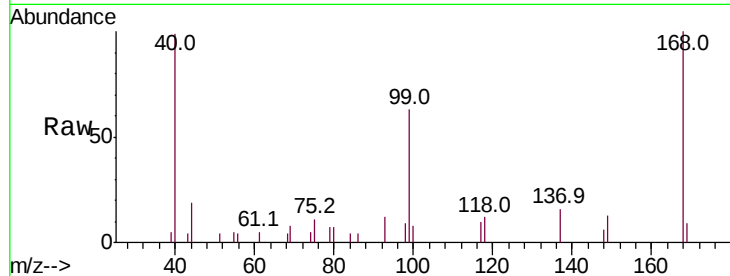
SIDEWALL-3

Tot Ion:168 Resp: 4090

Ion Ratio Lower Upper

168 100

99 63.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

1500

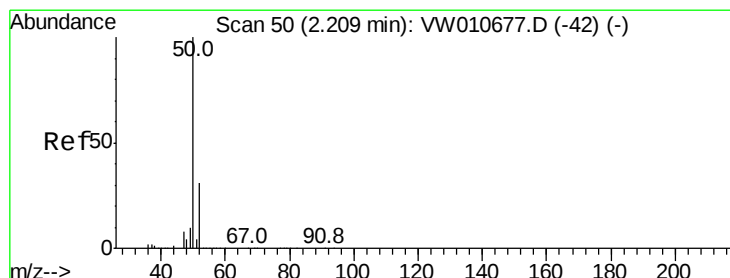
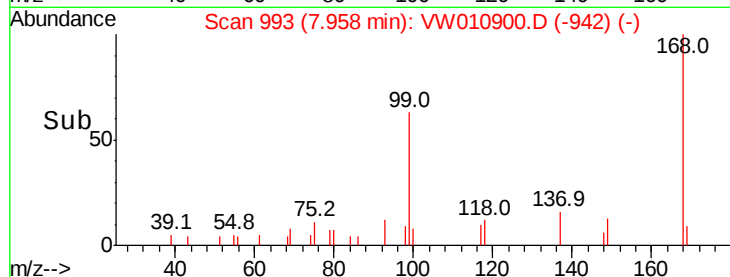
1000

500

0

Time-->

7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: 4.046 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010900.D

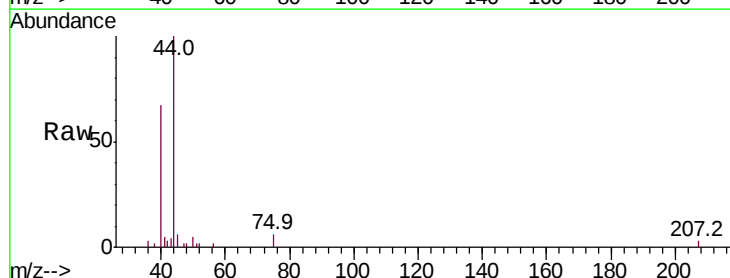
Acq: 20 Jun 2019 19:00

Tgt Ion: 50 Resp: 225

Ion Ratio Lower Upper

50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200

150

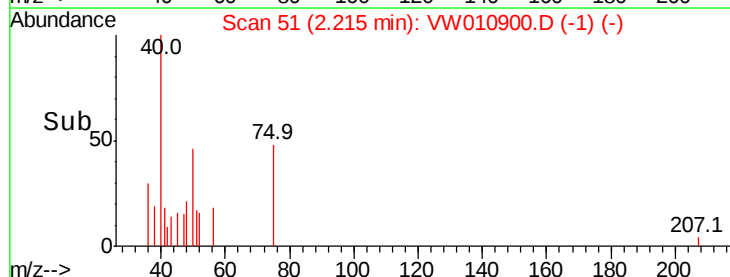
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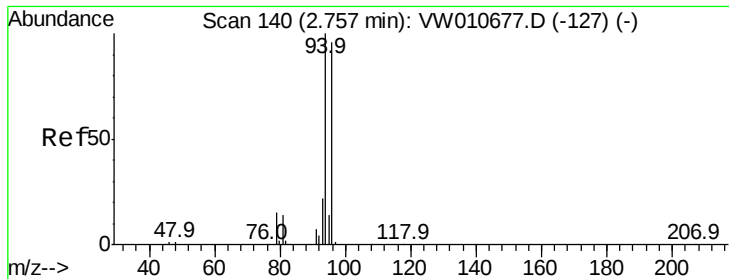
50

0

Time-->

2.18 2.20 2.22 2.24 2.26





#5

Bromomethane

Concen: 6.415 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.04 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampled :

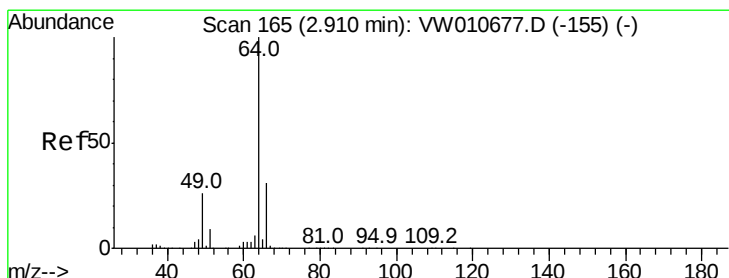
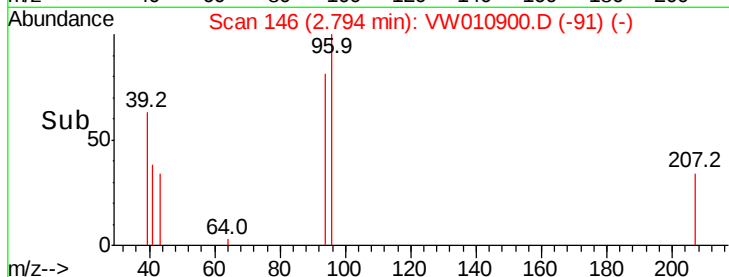
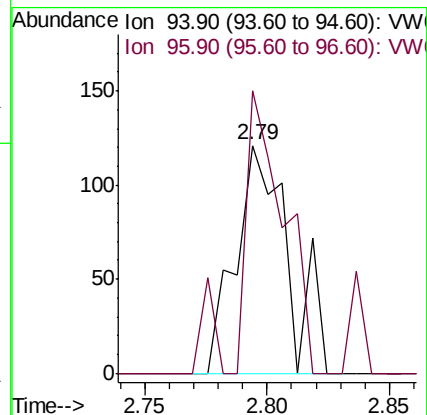
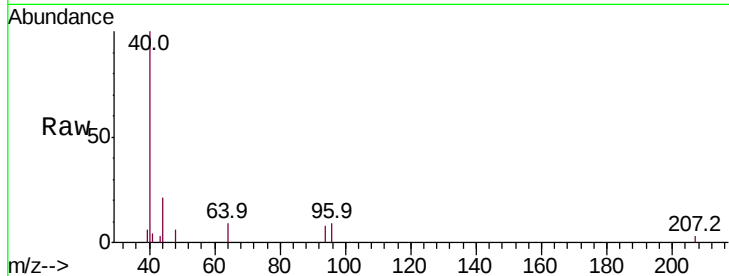
SIDEWALL-3

Tot Ion: 94 Resp: 181

Ion Ratio Lower Upper

94 100

96 124.0 76.5 114.7#



#6

Chloroethane

Concen: 4.053 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010900.D

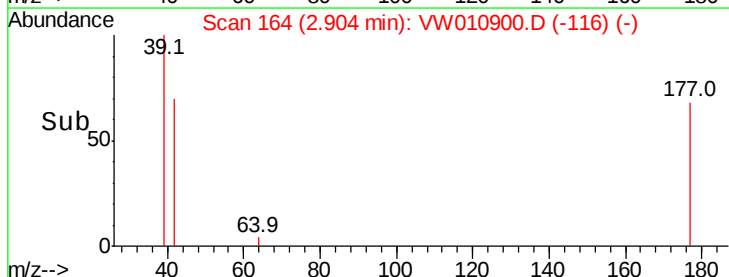
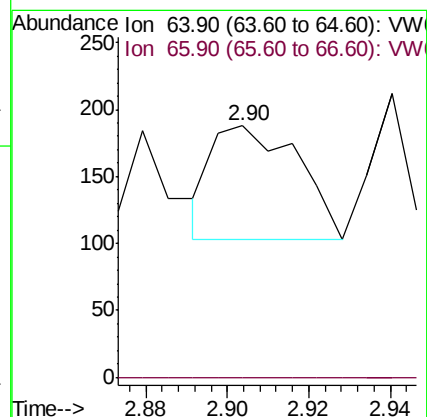
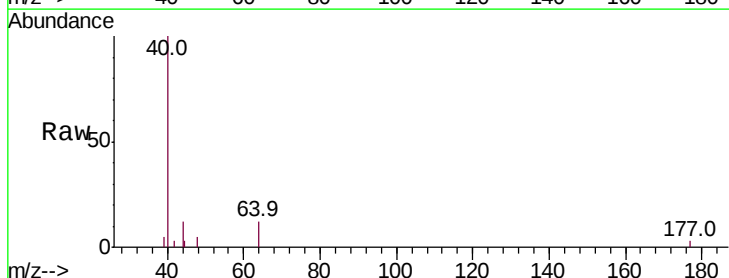
Acq: 20 Jun 2019 19:00

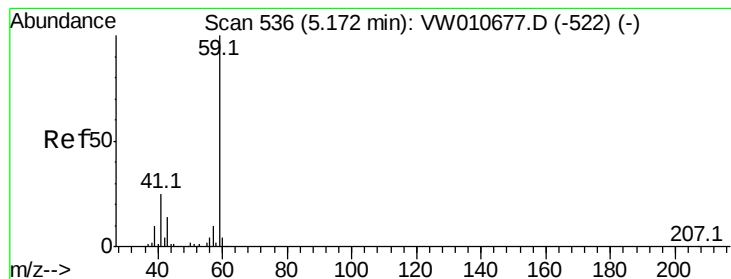
Tgt Ion: 64 Resp: 125

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



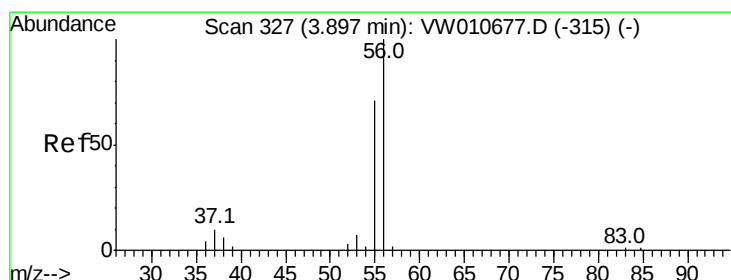
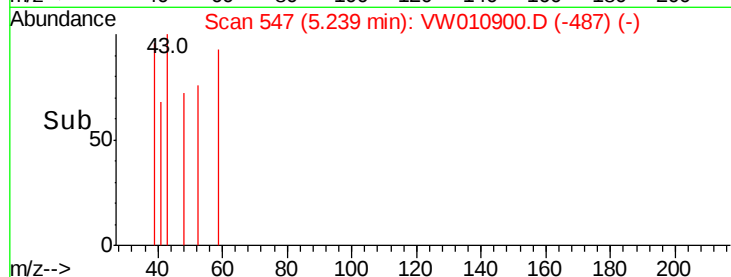
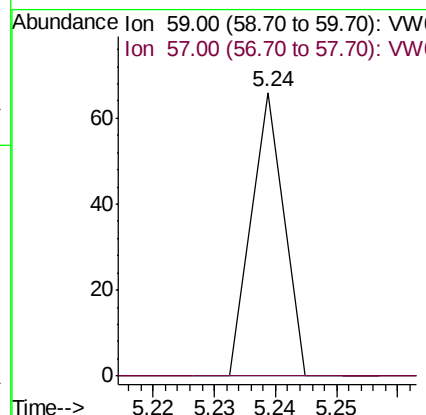
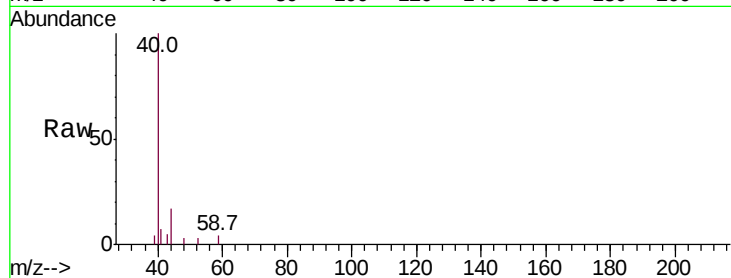


#11

Tert butyl alcohol
 Concen: 6.111 ug/l
 RT: 5.24 min Scan# 547
 Delta R.T. 0.07 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Instrument :
 MSVOA_W
 ClientSampled :
 SIDEWALL-3

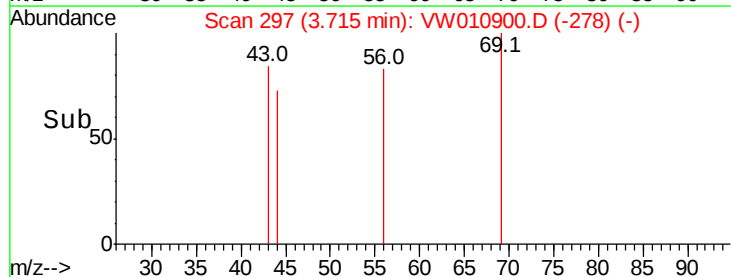
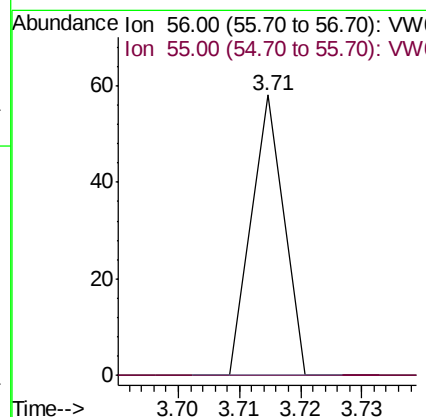
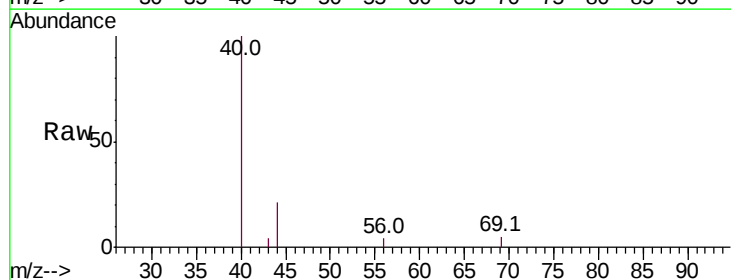
Tot Ion: 59 Resp: 24
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

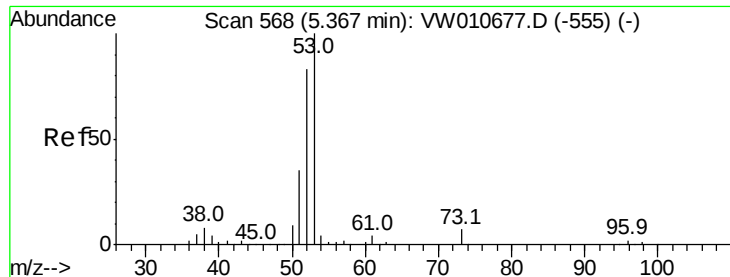


#13

Acrolein
 Concen: 13.085 ug/l
 RT: 3.71 min Scan# 297
 Delta R.T. -0.18 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.6 86.4#





#15

Acrylonitrile

Concen: 1.727 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.06 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampled :

SIDEWALL-3

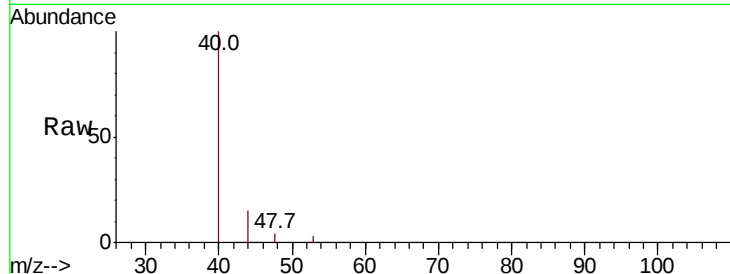
Tot Ion: 53 Resp: 20

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

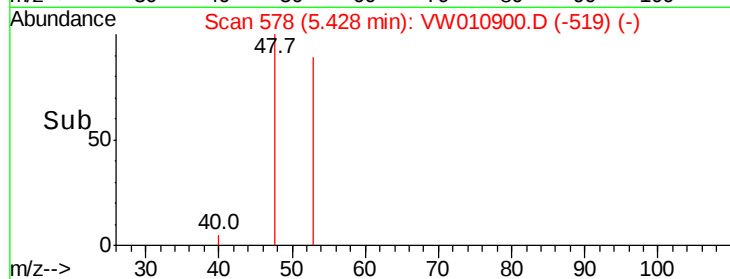
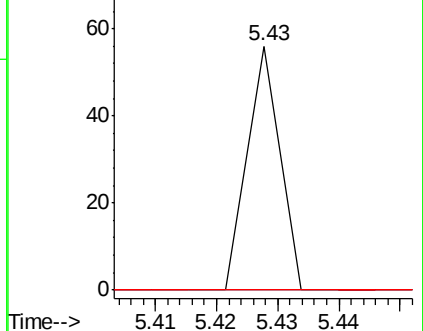
51 0.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 12.541 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010900.D

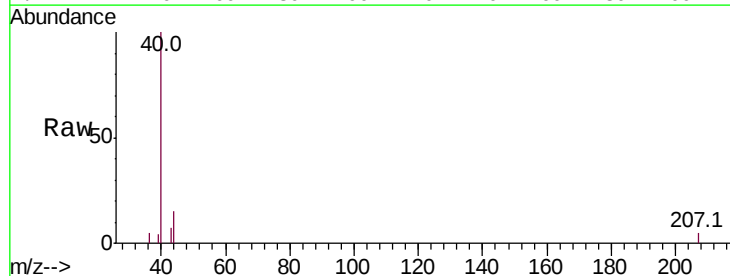
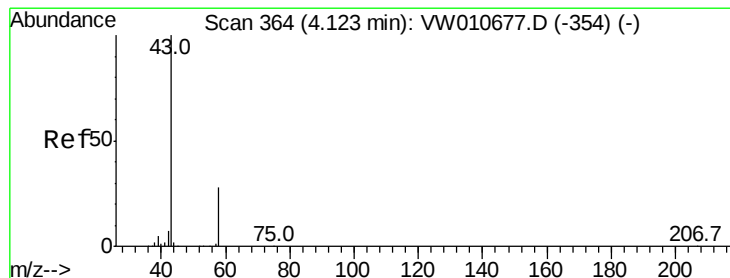
Acq: 20 Jun 2019 19:00

Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

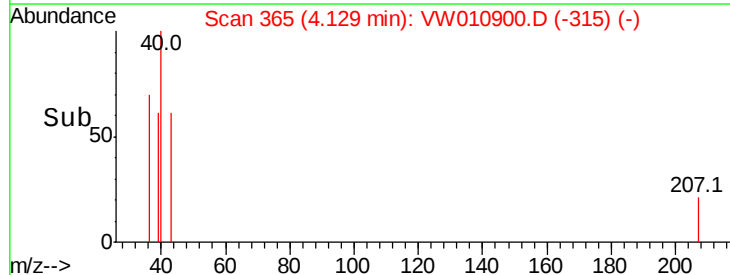
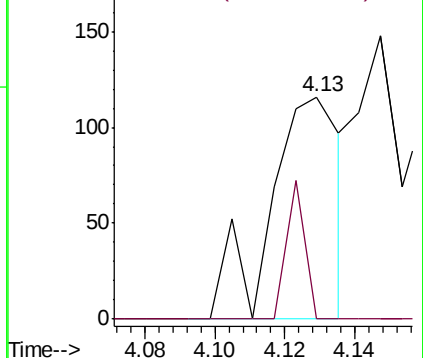
43 100

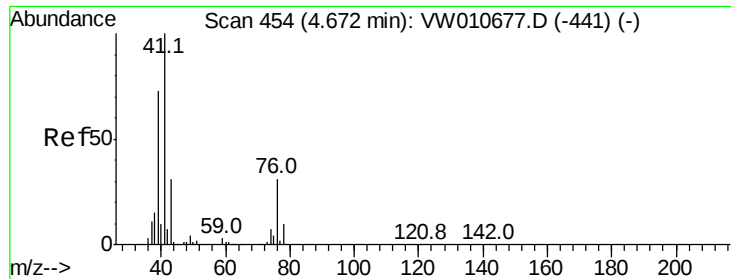
58 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

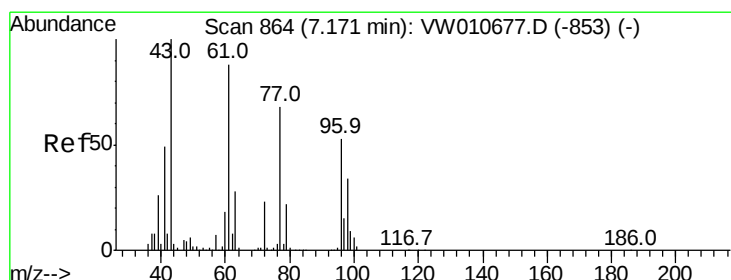
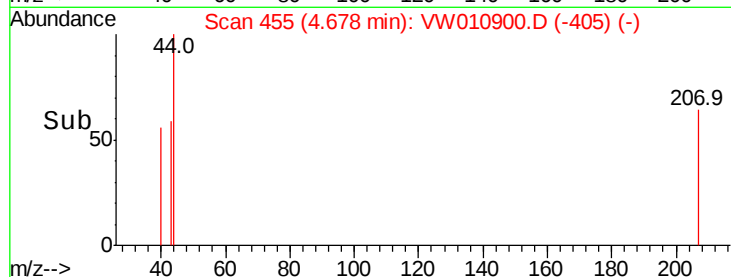
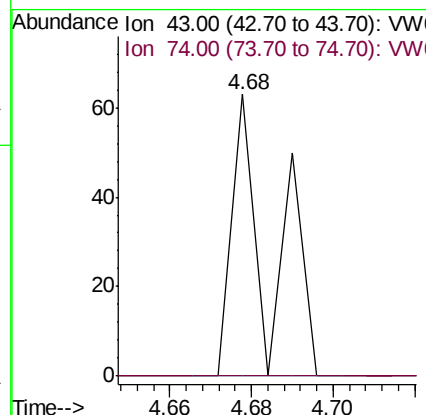
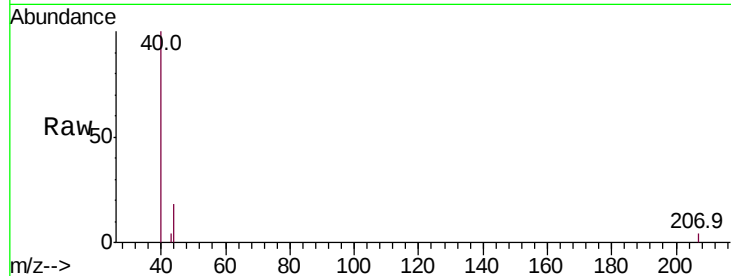




#18
Methyl Acetate
Concen: 1.475 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

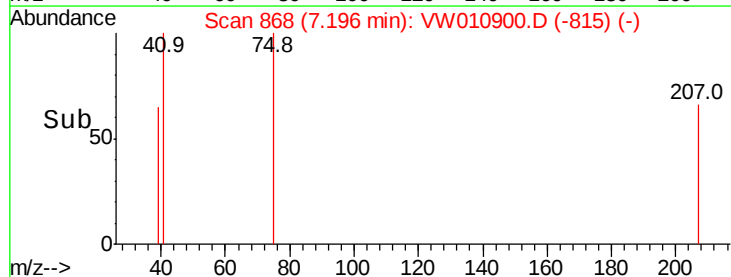
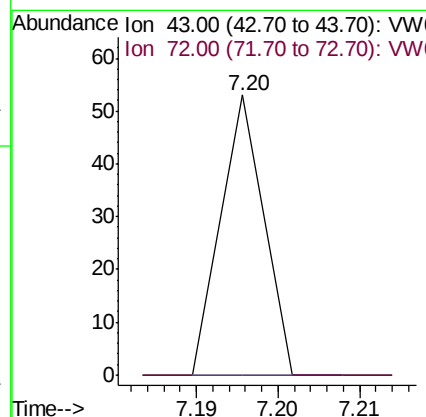
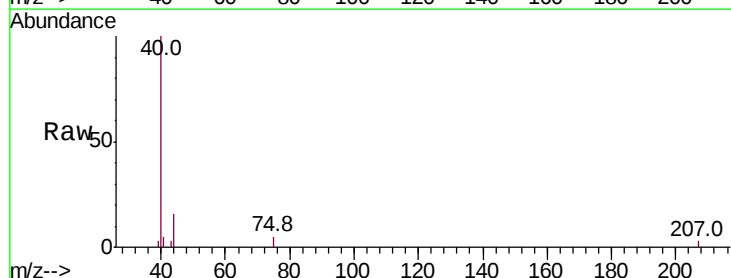
Instrument :
MSVOA_W
ClientSampled :
SIDEWALL-3

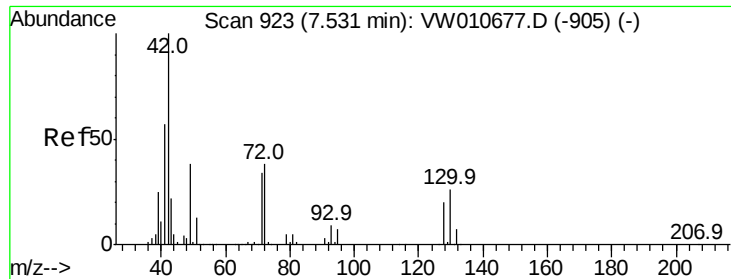
Tot Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 1.061 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1#

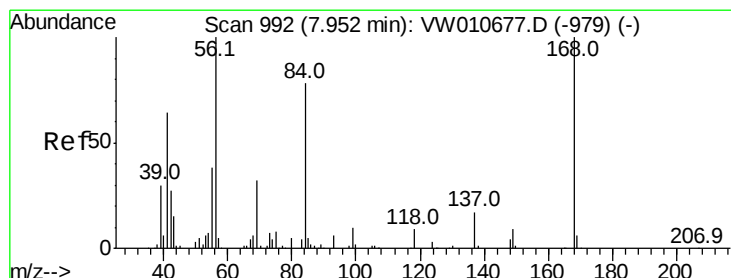
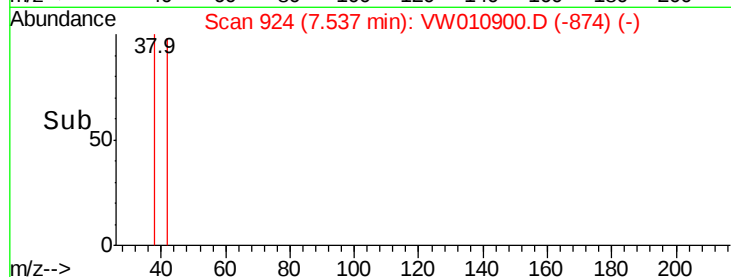
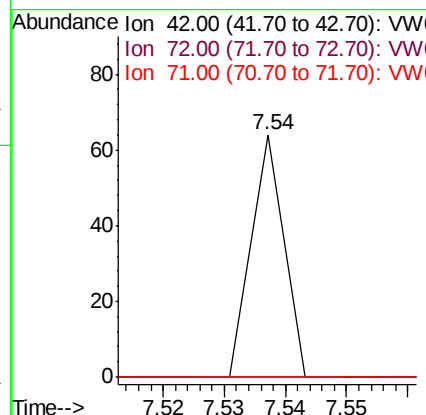
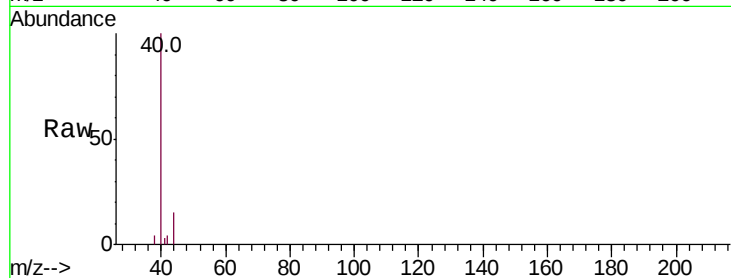




#29
Tetrahydrofuran
Concen: 2.042 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

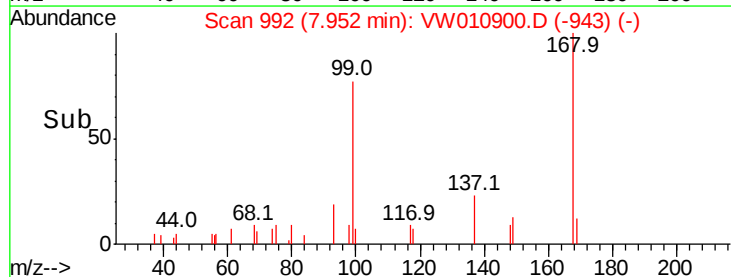
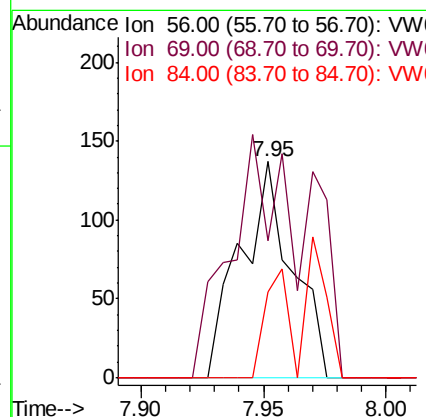
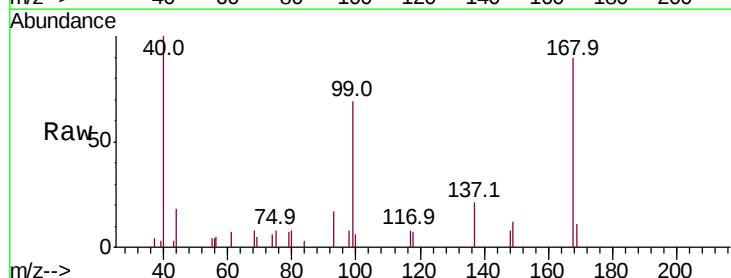
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MSVOA_W
ClientSampled :
SIDEWALL-3

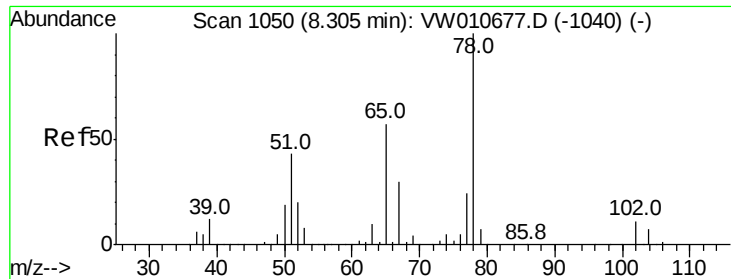
Tot Ion: 42 Resp: 23
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 2.056 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
69 63.5 25.2 37.8#
84 39.4 62.2 93.2#

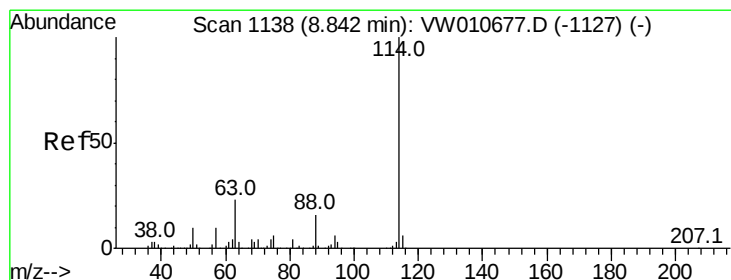
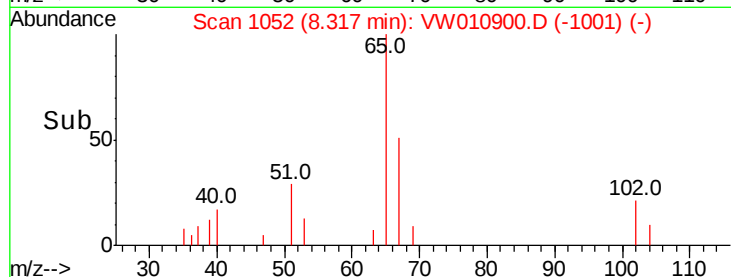
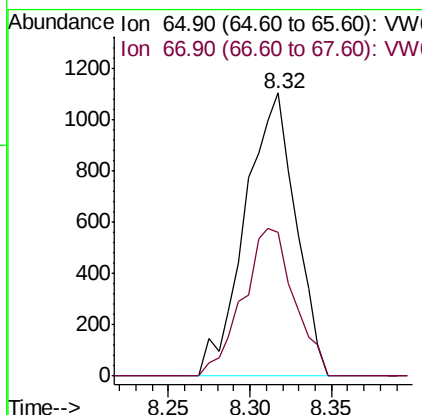
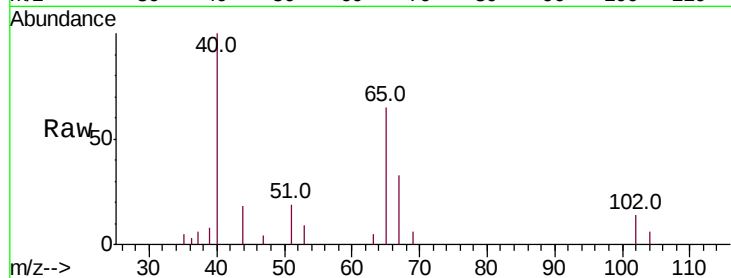




#33
 1,2-Dichloroethane-d4
 Concen: 49.225 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

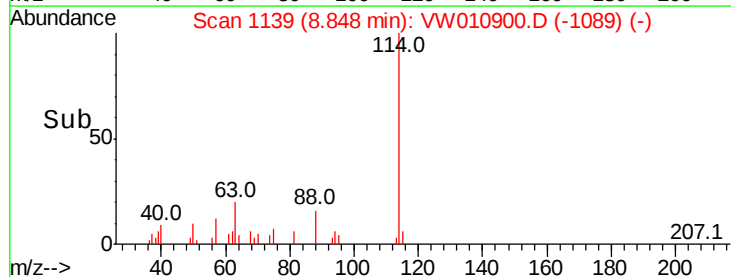
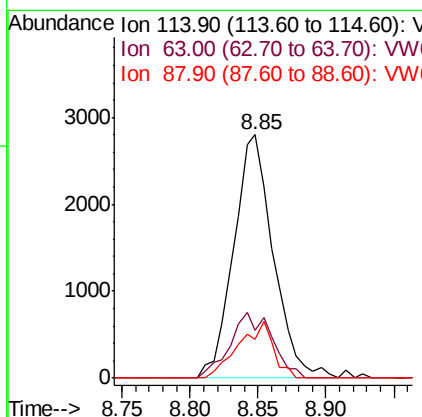
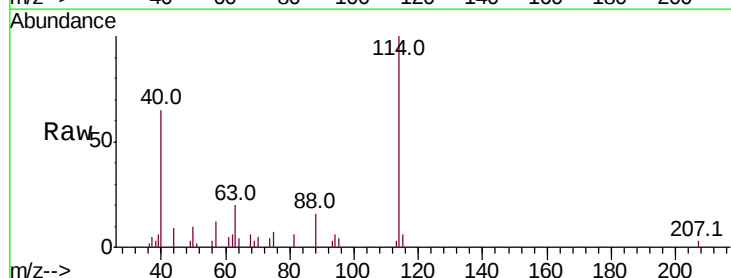
Instrument :
 MSVOA_W
 ClientSampled :
 SIDEWALL-3

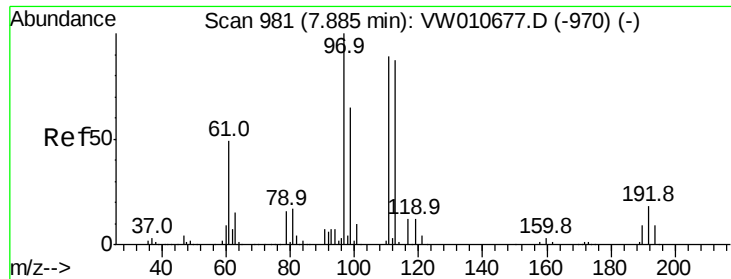
Tot Ion: 65 Resp: 2373
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion:114 Resp: 5689
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 46.4
 88 16.2 0.0 32.2

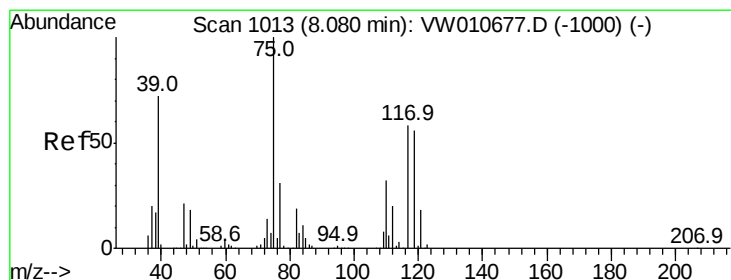
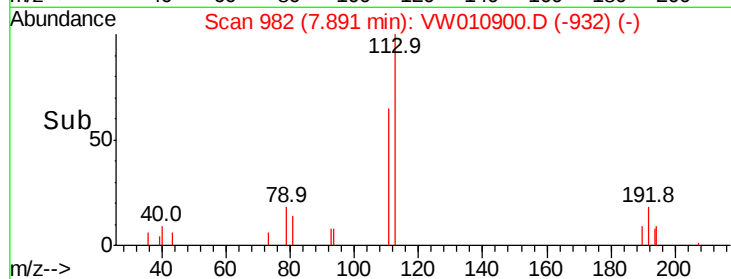
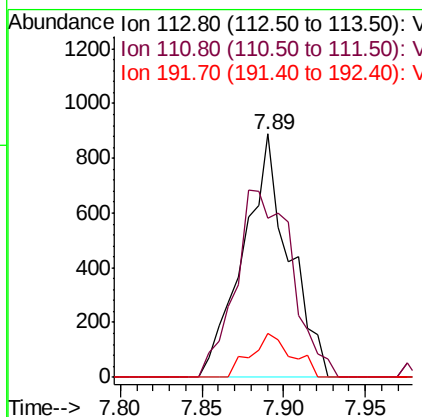
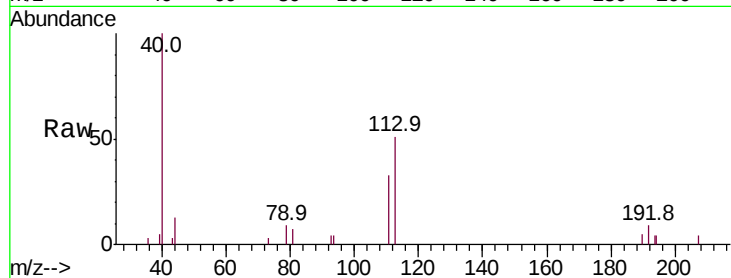




#35
 Dibromofluoromethane
 Concen: 56.220 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

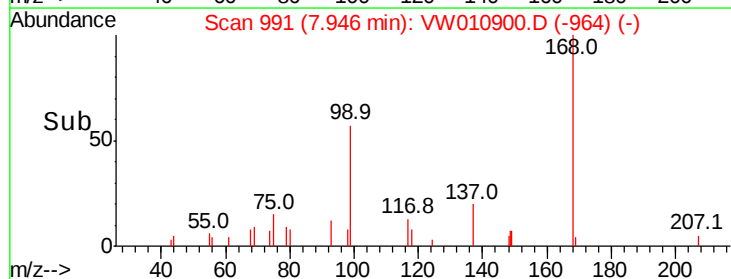
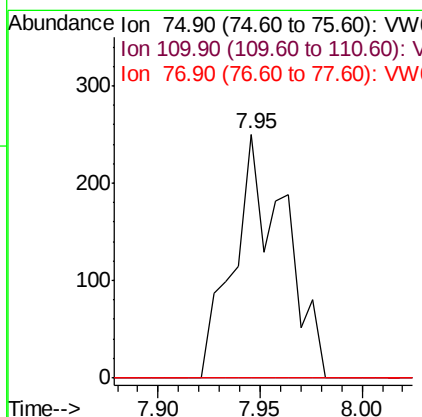
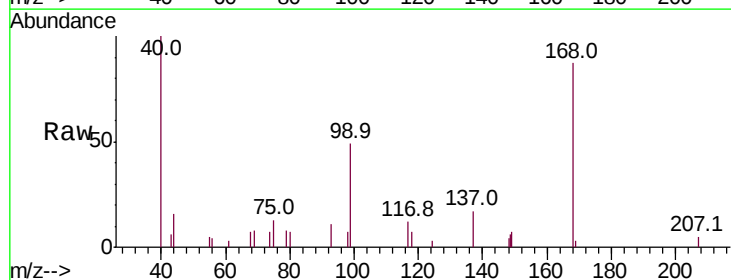
Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-3

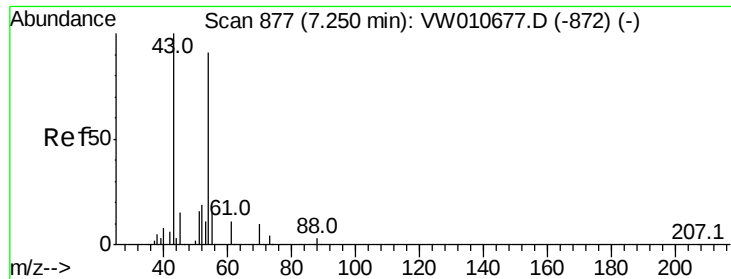
Tot Ion:113 Resp: 1736
 Ion Ratio Lower Upper
 113 100
 111 94.4 82.6 123.8
 192 16.2 16.4 24.6#



#36
 1,1-Dichloropropene
 Concen: 7.418 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion: 75 Resp: 432
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.8 47.3#
 77 0.0 24.7 37.1#

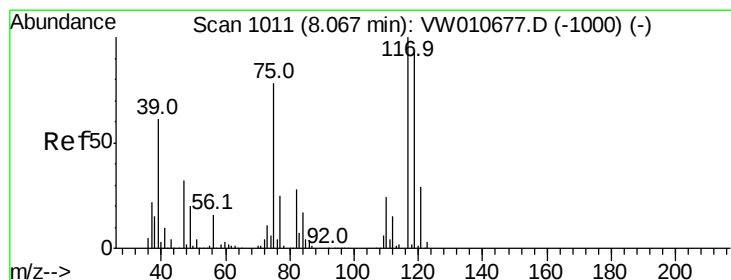
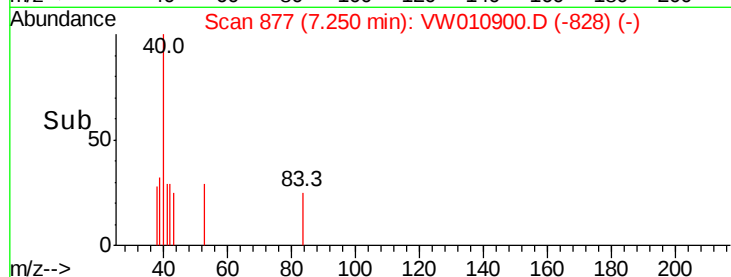
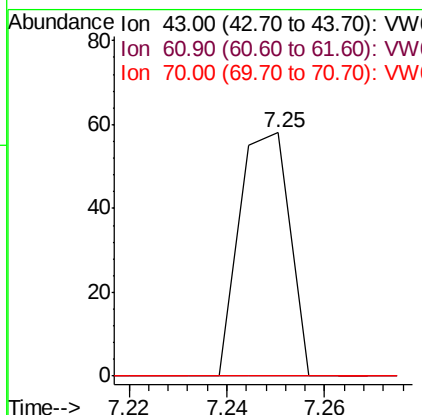
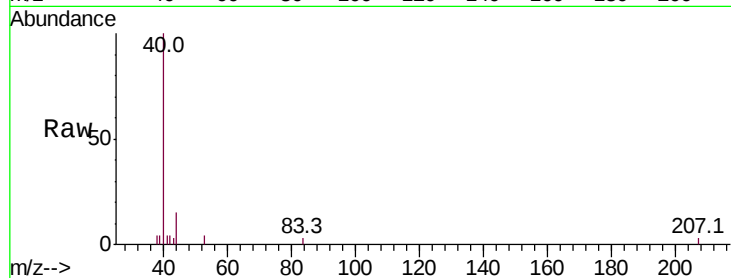




#37
Ethyl Acetate
Concen: 1.271 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

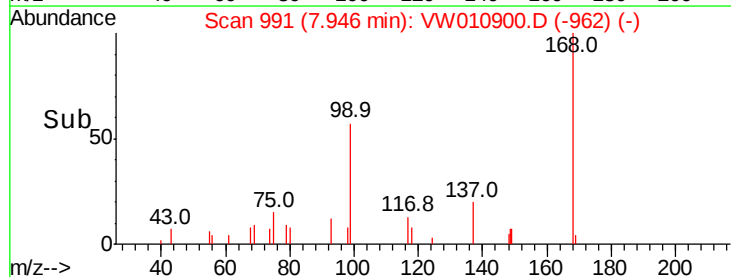
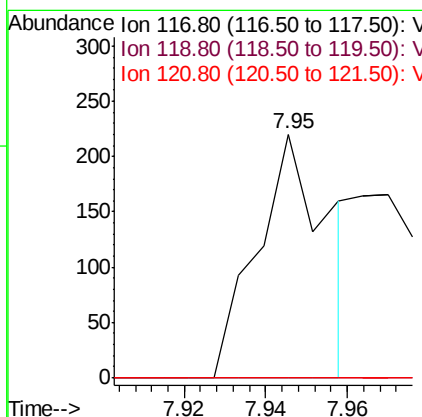
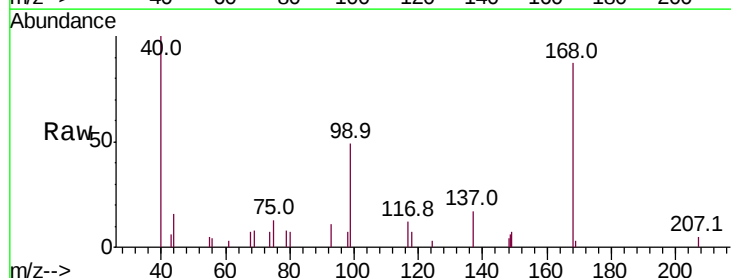
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-3

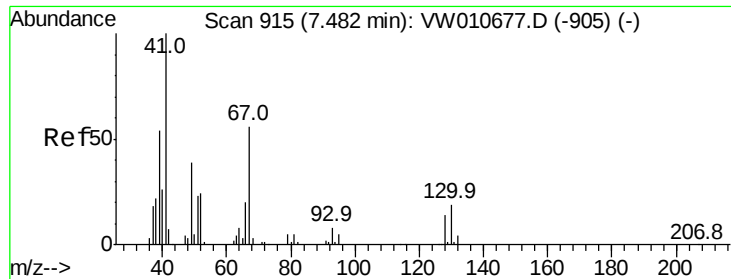
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.2	10.8#



#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.2	111.4#
121	0.0	22.9	34.3#

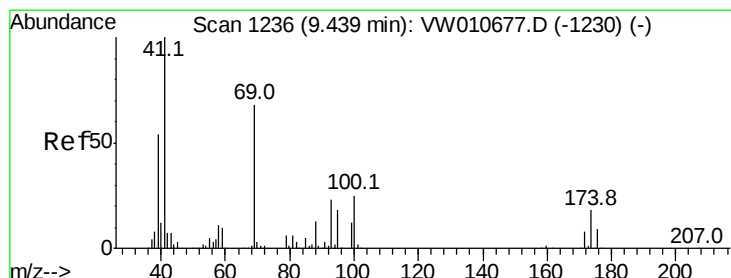
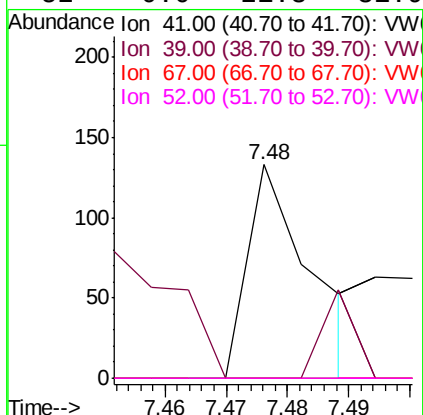
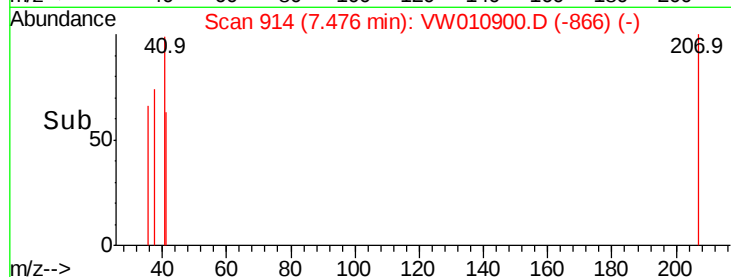
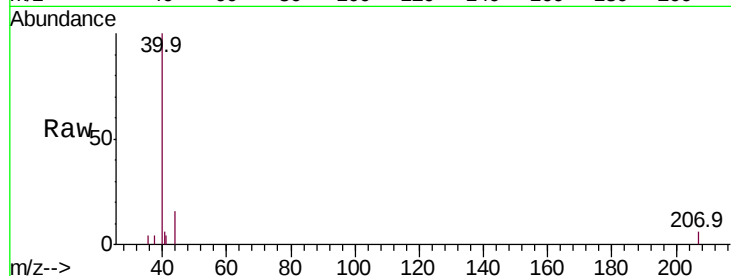




#41
Methacrylonitrile
Concen: 4.901 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

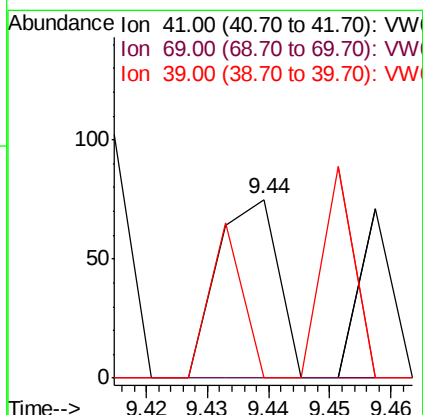
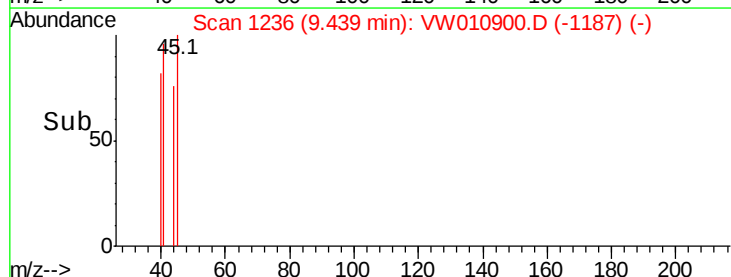
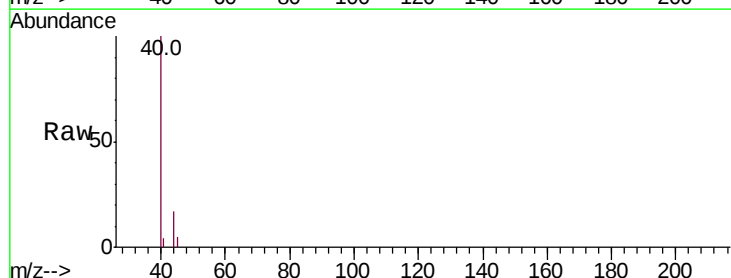
Instrument :
MSVOA_W
ClientSampled :
SIDEWALL-3

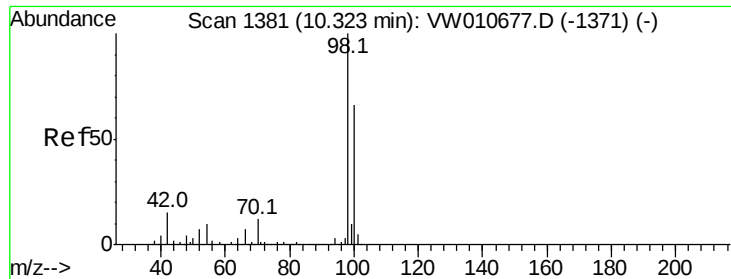
Tot Ion	Ratio	Lower	Upper
41	100		
39	21.3	47.3	70.9#
67	0.0	47.2	70.8#
52	0.0	21.3	31.9#



#48
Methyl methacrylate
Concen: 1.697 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.6	85.0#
39	47.1	44.4	66.6





#50

Toluene-d8

Concen: 40.973 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

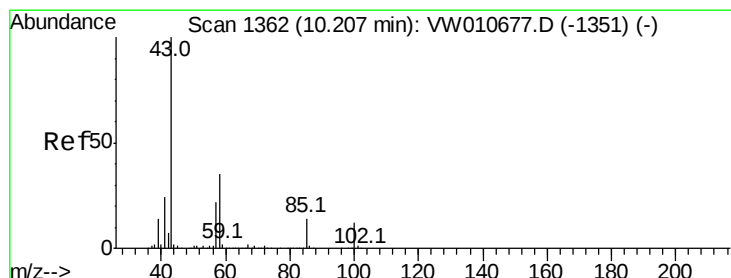
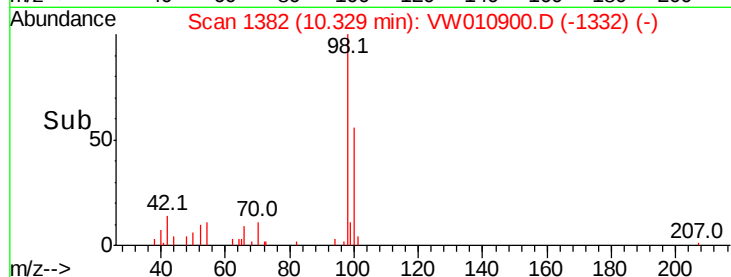
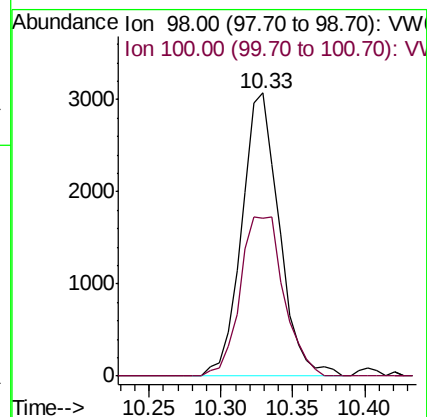
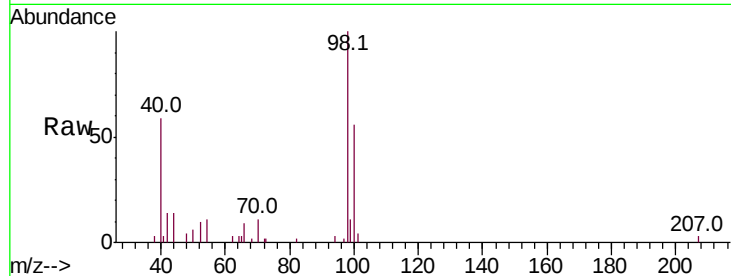
SIDEWALL-3

Tot Ion: 98 Resp: 5548

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 3.674 ug/l

RT: 10.23 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VW010900.D

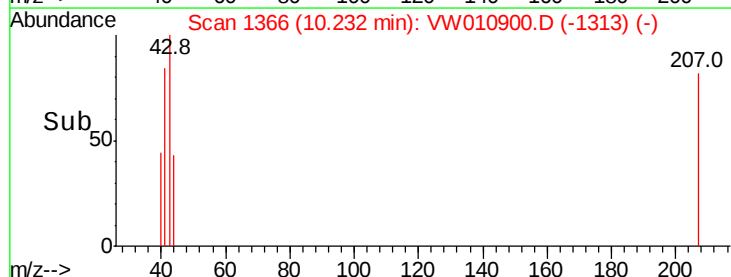
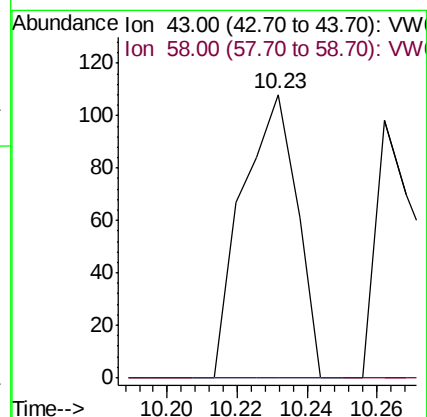
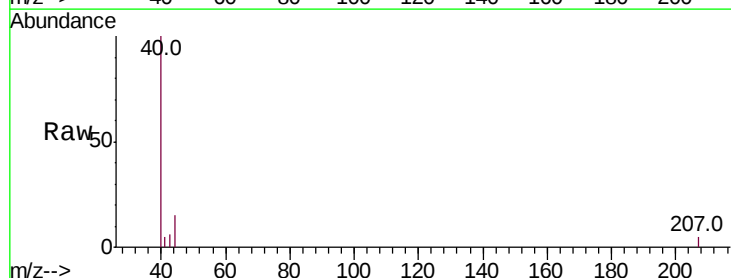
Acq: 20 Jun 2019 19:00

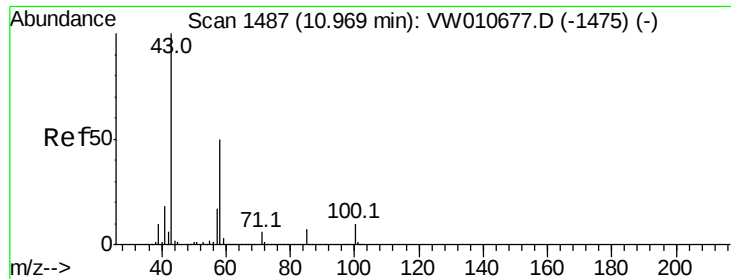
Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

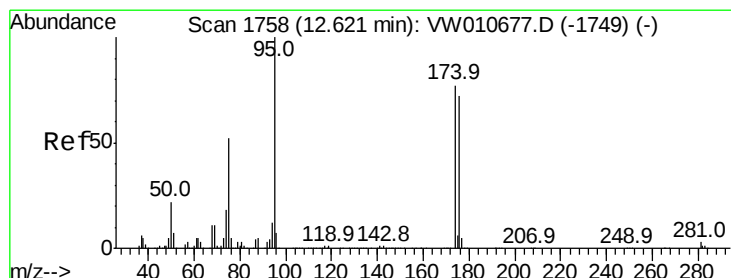
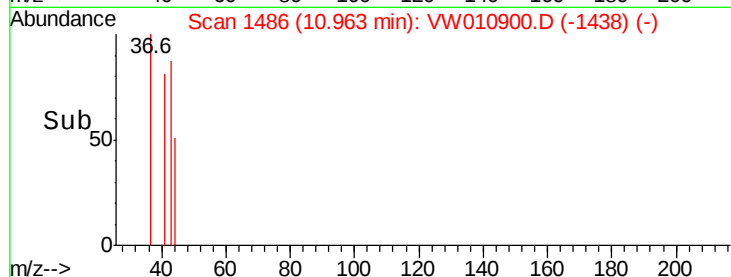
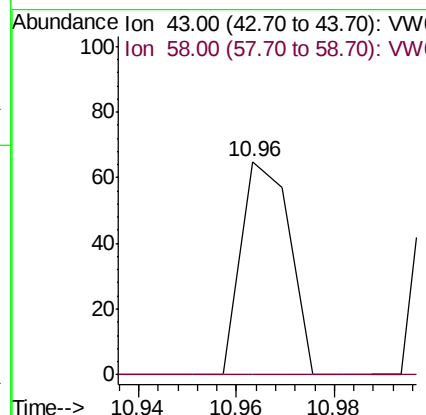
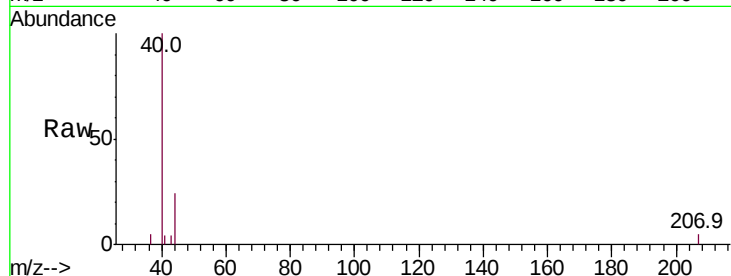




#59
2-Hexanone
Concen: 1.955 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

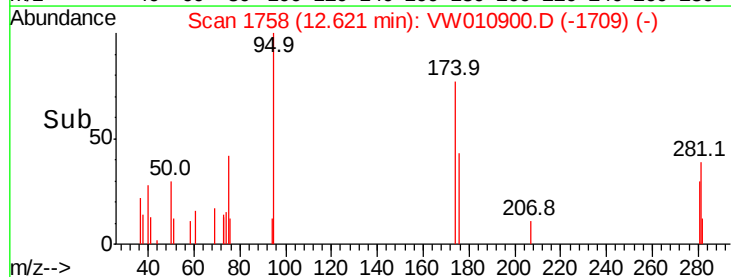
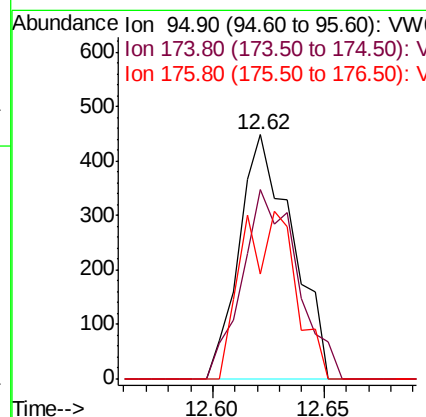
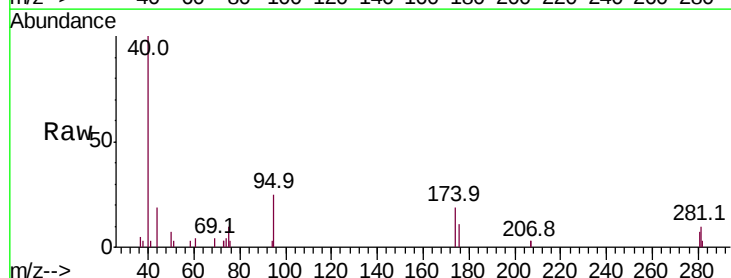
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-3

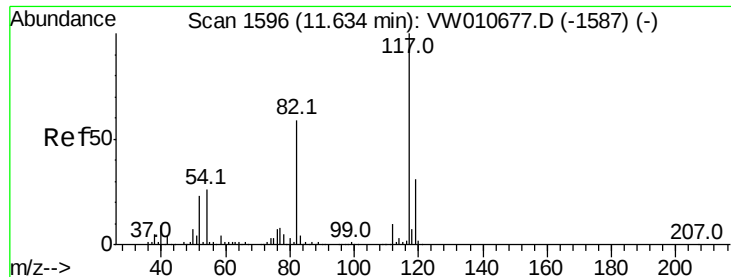
Tot Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 15.100 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 95 Resp: 744
Ion Ratio Lower Upper
95 100
174 80.1 0.0 150.4
176 69.0 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-3

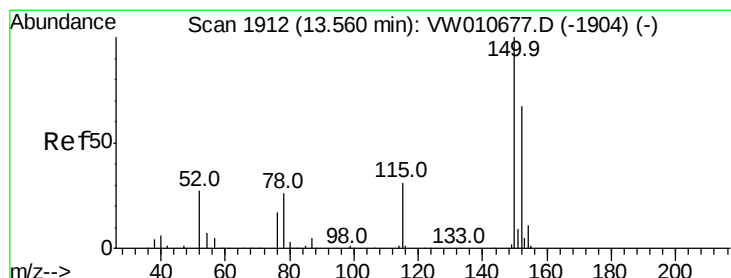
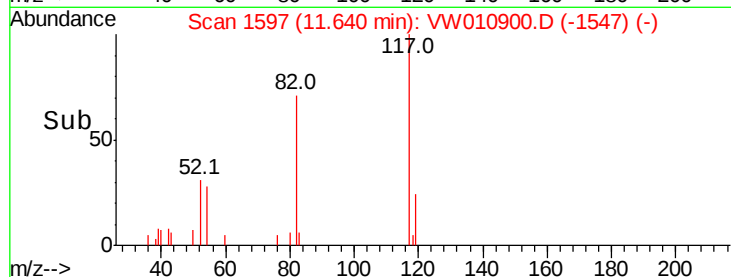
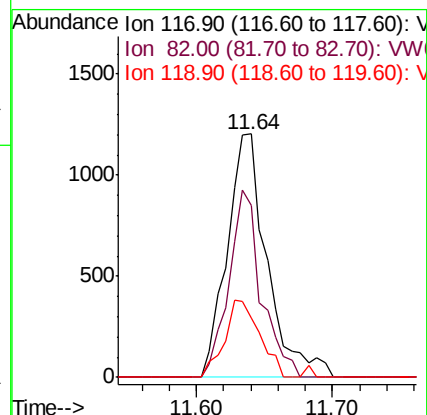
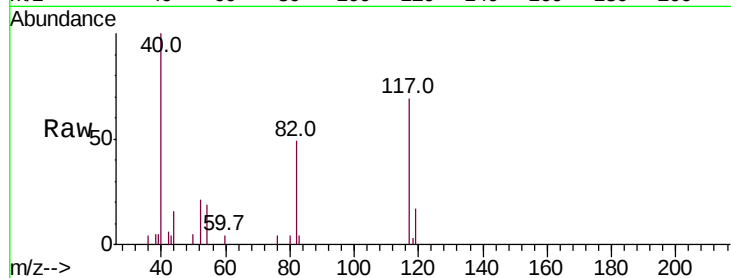
Tot Ion:117 Resp: 2457

Ion Ratio Lower Upper

117 100

82 70.7 47.0 70.4#

119 24.3 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

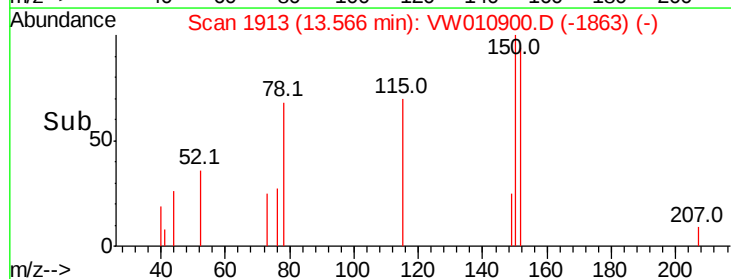
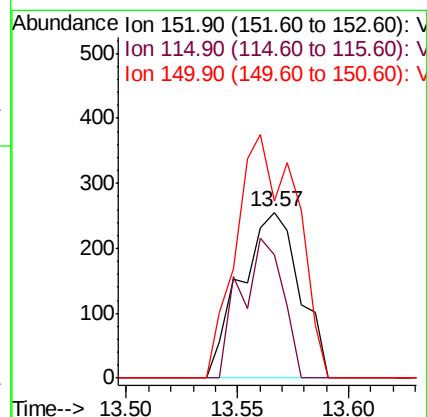
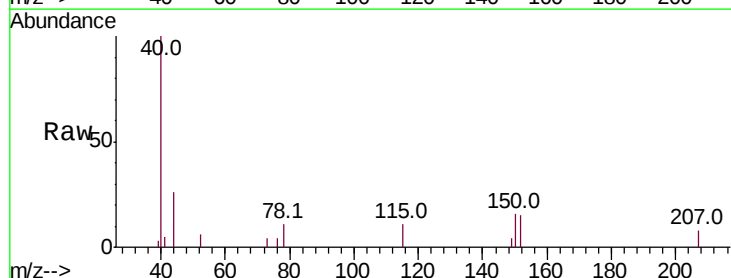
Tgt Ion:152 Resp: 470

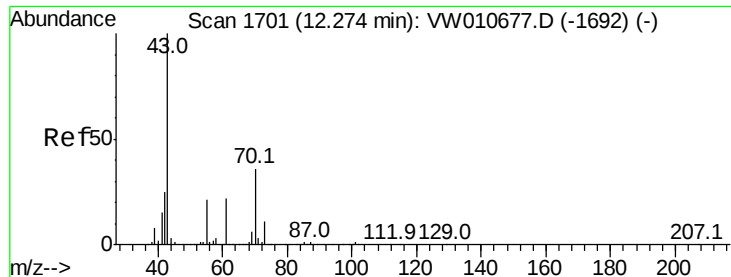
Ion Ratio Lower Upper

152 100

115 60.6 29.8 89.3

150 150.0 0.0 345.0





#74

N-amvl acetate

Concen: 2.365 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

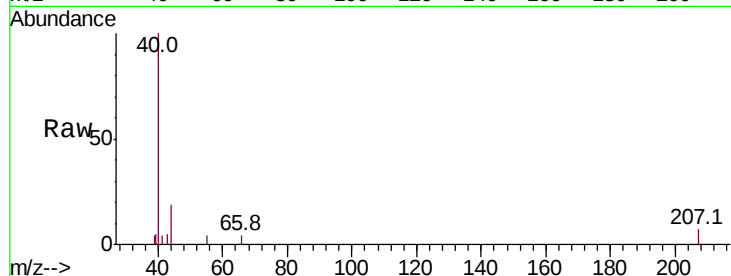
MSVOA_W

ClientSampleId :

SIDEWALL-3

Tot Ion: 43 Resp: 27

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	96.3	17.5	26.3#
61	0.0	17.4	26.2#

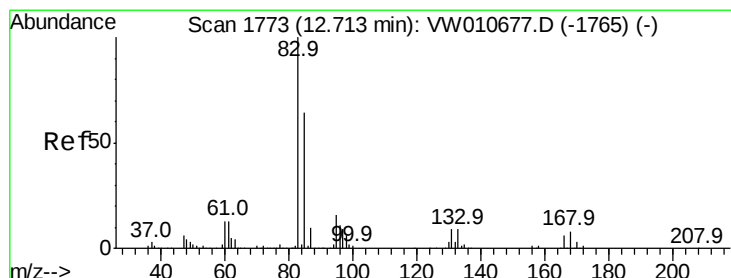
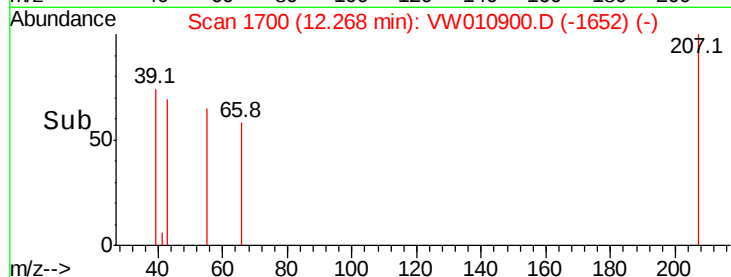
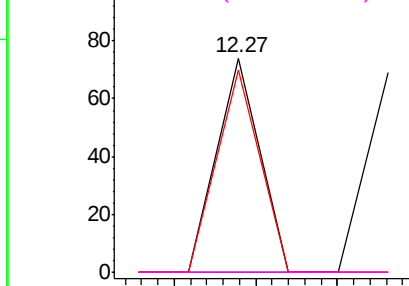


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 3.569 ug/l

RT: 12.68 min Scan# 1768

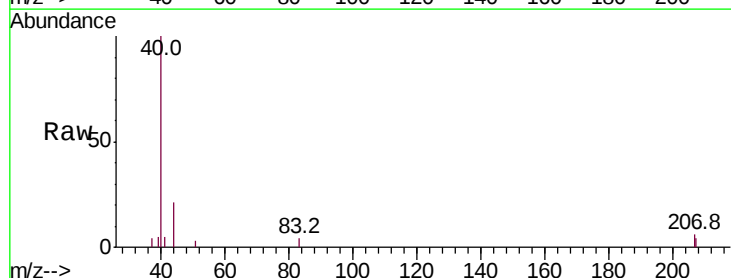
Delta R.T. -0.03 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Tgt Ion: 83 Resp: 24

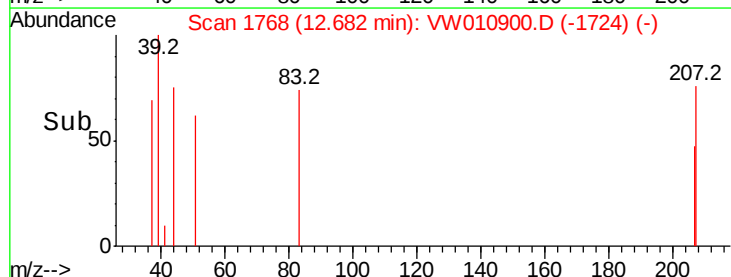
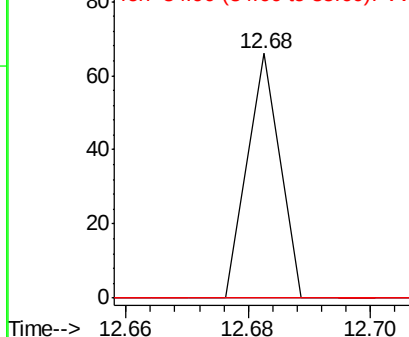
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	31.9	95.9#

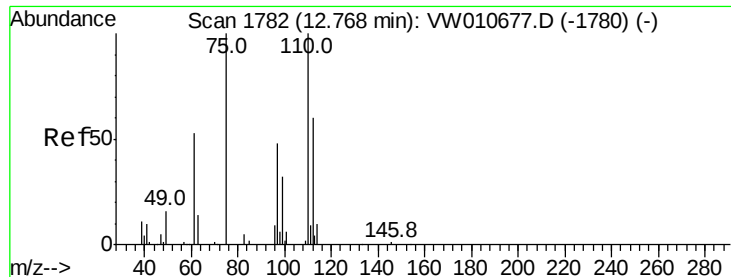


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 83.880 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.14 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

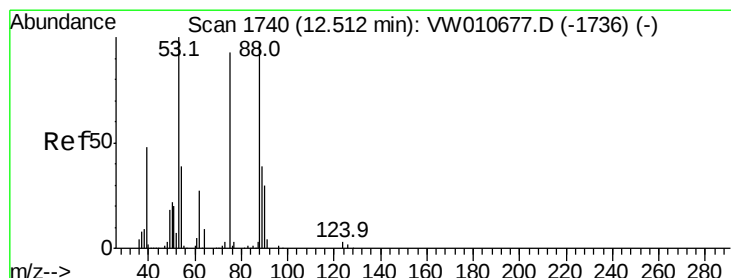
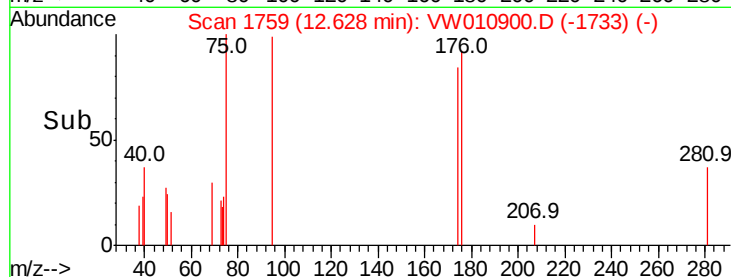
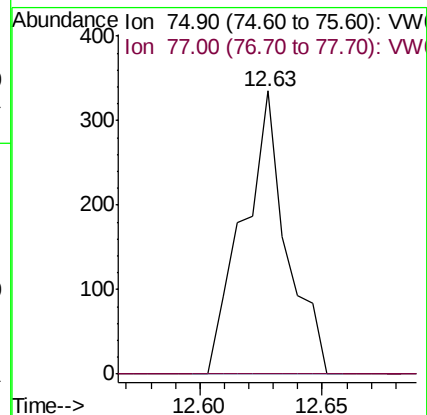
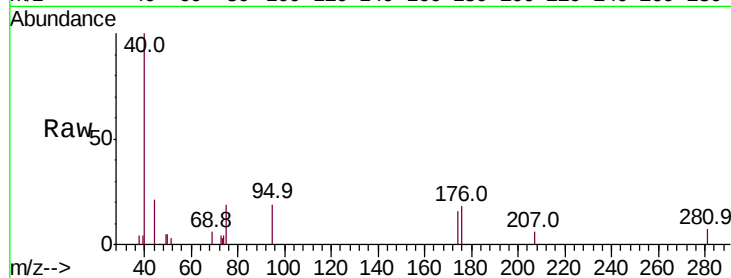
SIDEWALL-3

Tot Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 192.783 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.12 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Tgt Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

