

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010876.D
 Acq On : 20 Jun 2019 05:21
 Operator : SY/VA
 Sample : K3447-04
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-2

Quant Time: Jun 20 05:53:01 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	183209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108956	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	125129	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	7.88	113	91092	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.32	98	358608	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
62) 4-Bromofluorobenzene	12.62	95	125207	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

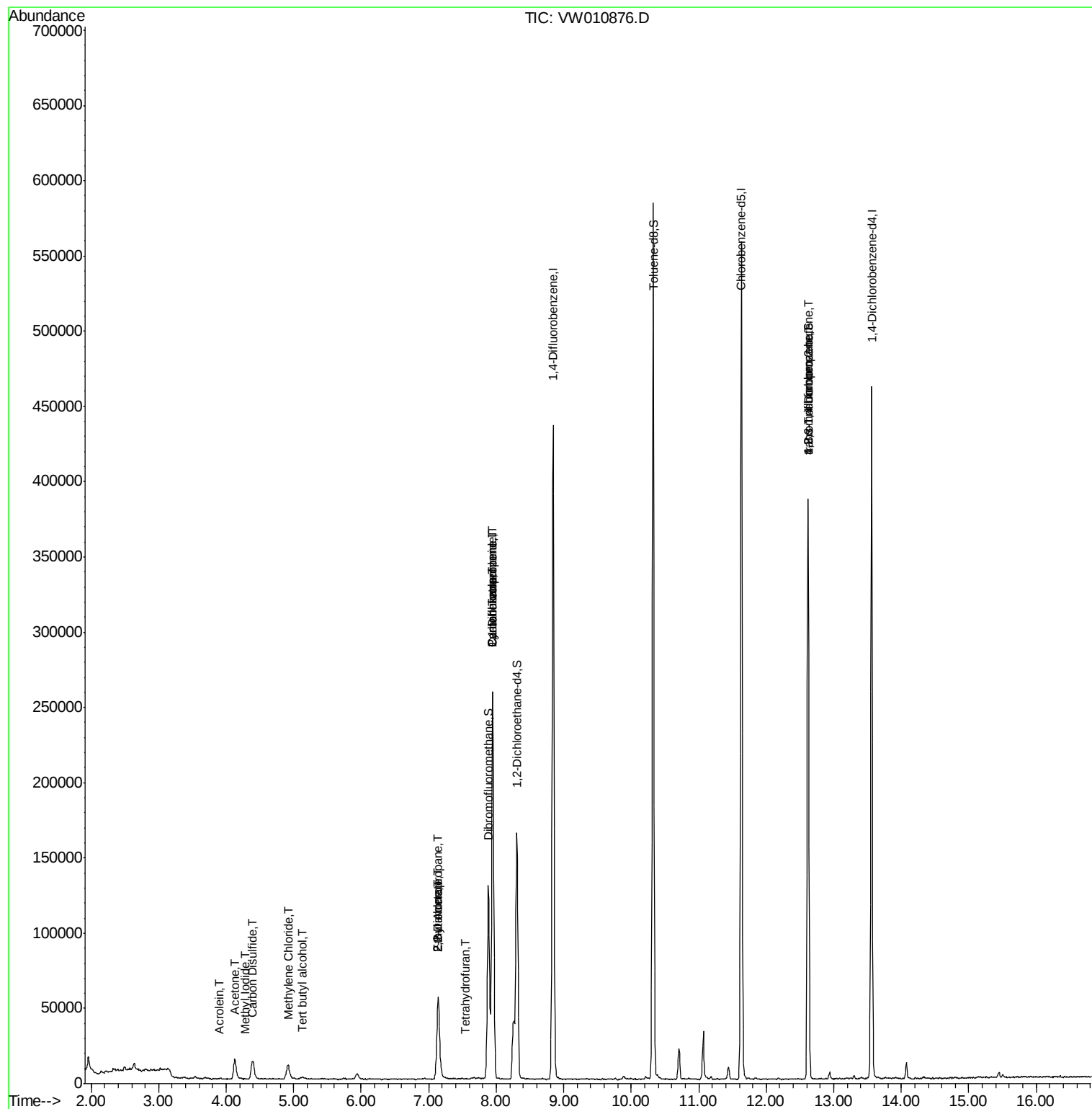
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	20	4.808	ug/l #	41
11) Tert butyl alcohol	5.13	59	1276	7.253	ug/l #	82
13) Acrolein	3.90	56	101	1.405	ug/l	84
16) Acetone	4.13	43	26447	45.707	ug/l	98
17) Carbon Disulfide	4.38	76	7256	1.290	ug/l #	92
20) Methylene Chloride	4.92	84	6440	3.173	ug/l	98
25) 2-Butanone	7.13	43	4228	5.270	ug/l #	78
26) 2,2-Dichloropropane	7.14	77	3694	1.158	ug/l #	55
29) Tetrahydrofuran	7.53	42	648	1.284	ug/l #	43
31) Cyclohexane	7.95	56	5235	1.202	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17240	5.043	ug/l #	51
37) Ethyl Acetate	7.13	43	4228	2.232	ug/l #	17
38) Carbon Tetrachloride	7.95	117	18972	6.429	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	68939	60.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68939	138.478	ug/l #	5

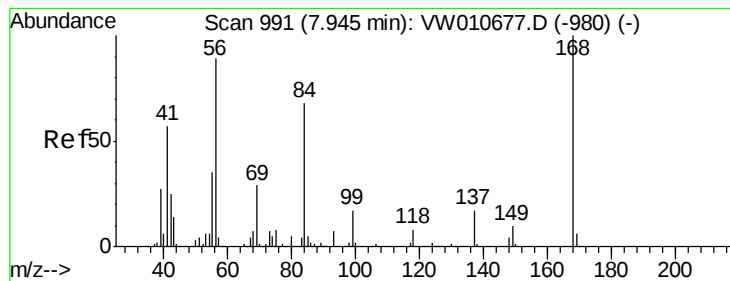
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

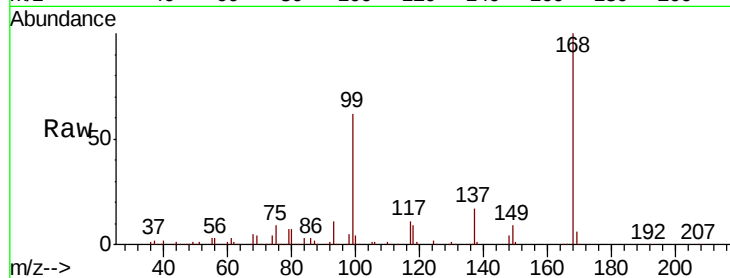
SIDEWALL-2

Tot Ion:168 Resp: 183209

Ion Ratio Lower Upper

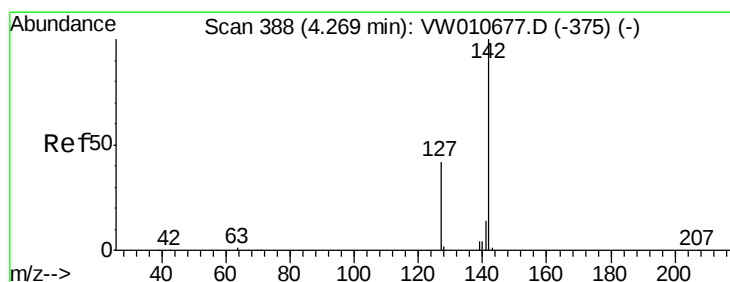
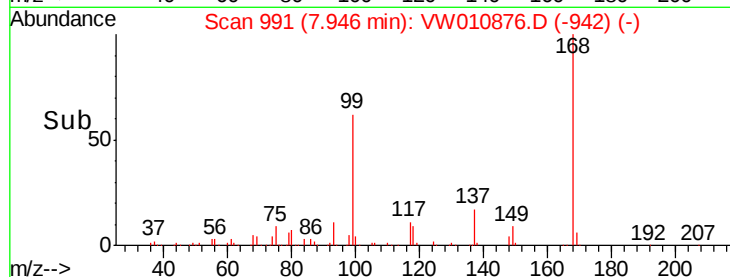
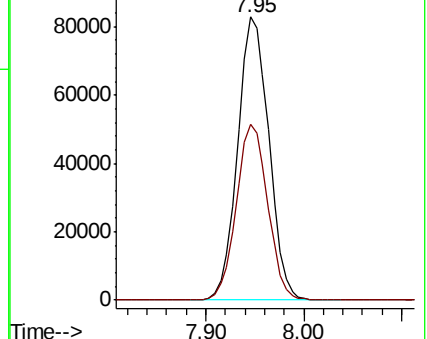
168 100

99 62.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 4.808 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

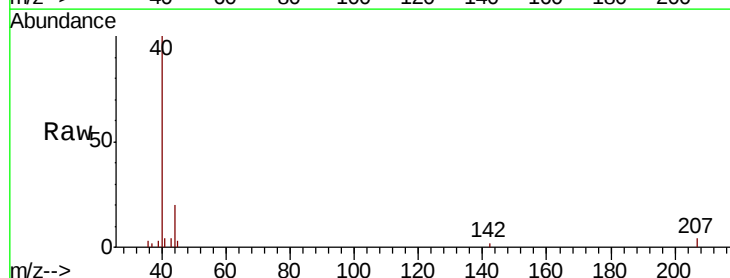
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

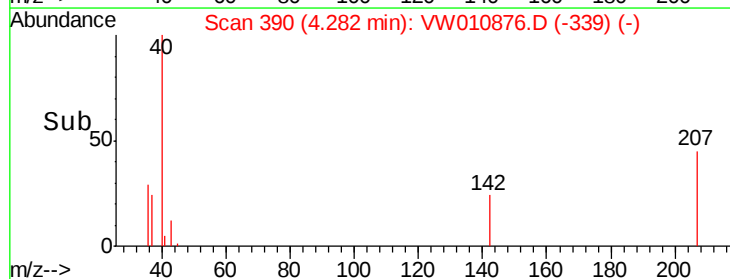
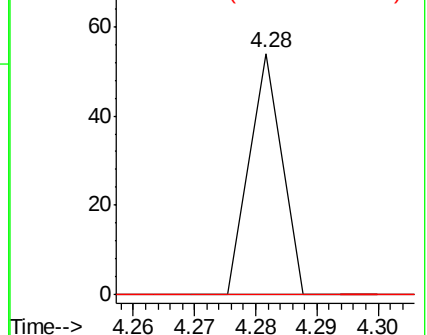
141 0.0 11.6 17.4#

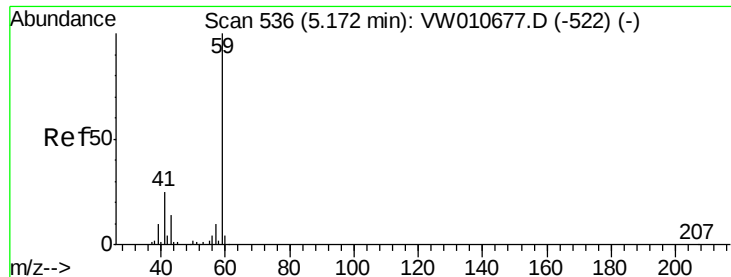


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

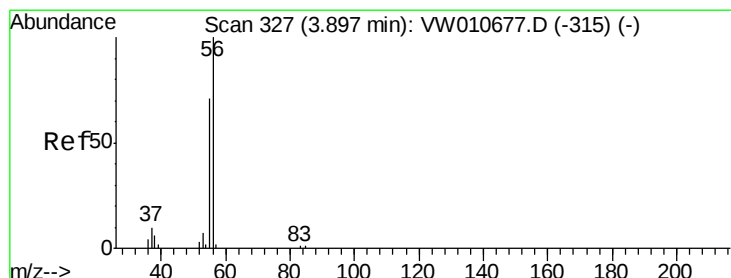
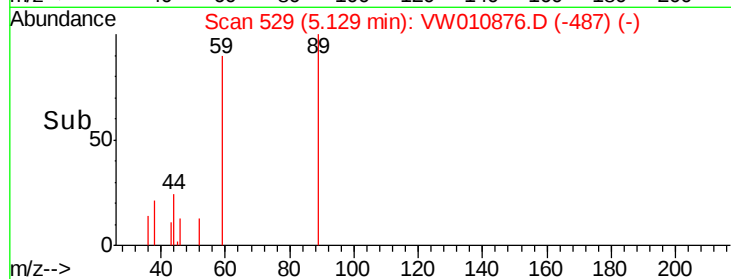
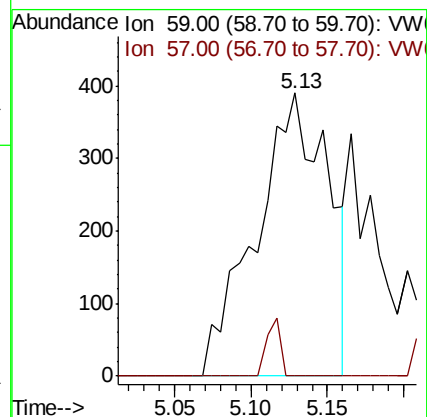
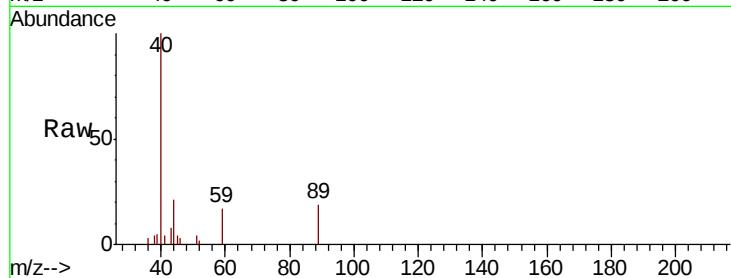




#11
Tert butvl alcohol
Concen: 7.253 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

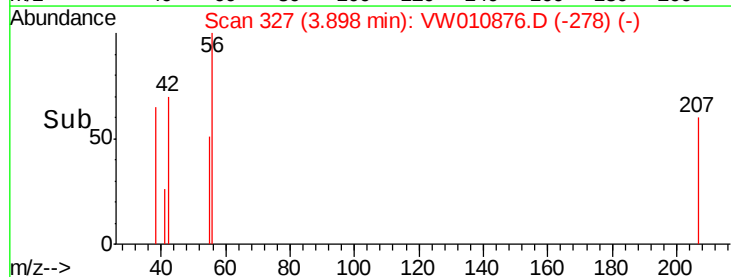
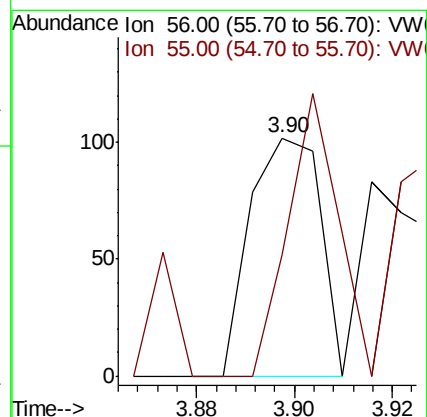
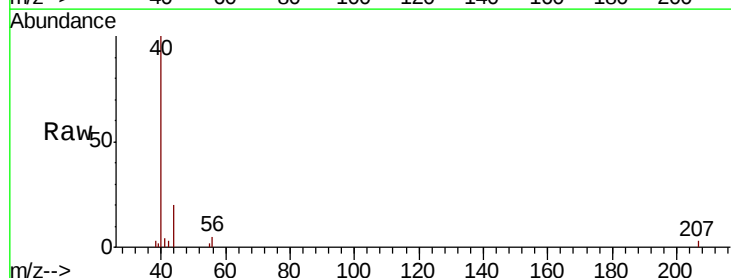
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-2

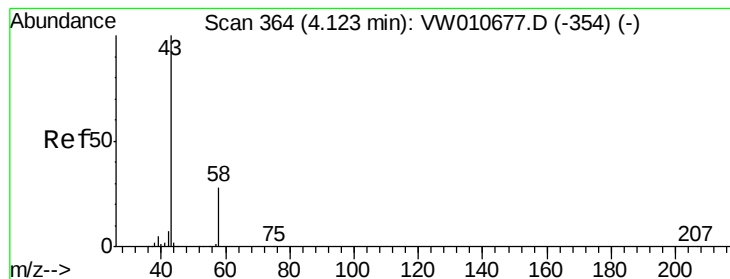
Tot Ion: 59 Resp: 1276
Ion Ratio Lower Upper
59 100
57 3.9 8.6 12.8#



#13
Acrolein
Concen: 1.405 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 85.1 57.6 86.4





#16

Acetone

Concen: 45.707 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

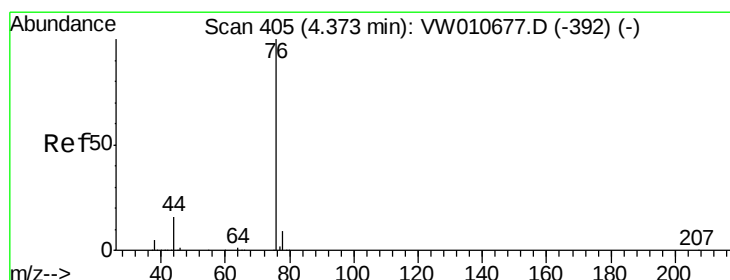
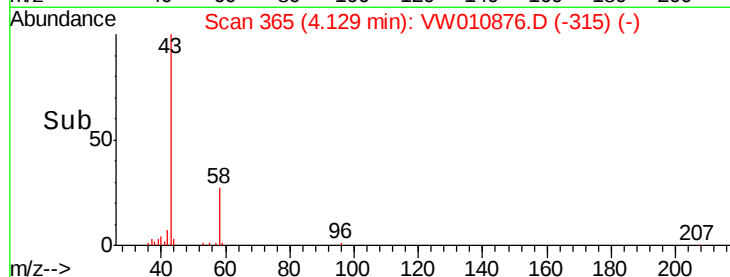
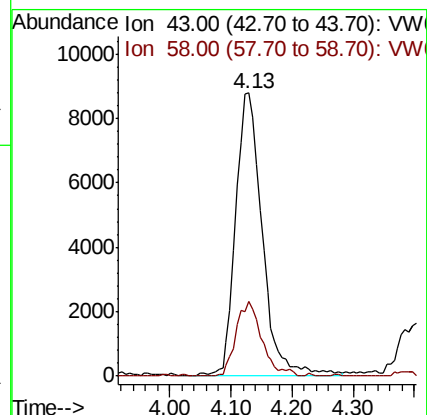
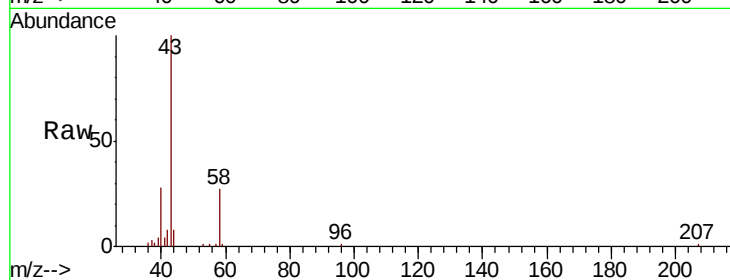
SIDEWALL-2

Tot Ion: 43 Resp: 26447

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1



#17

Carbon Disulfide

Concen: 1.290 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010876.D

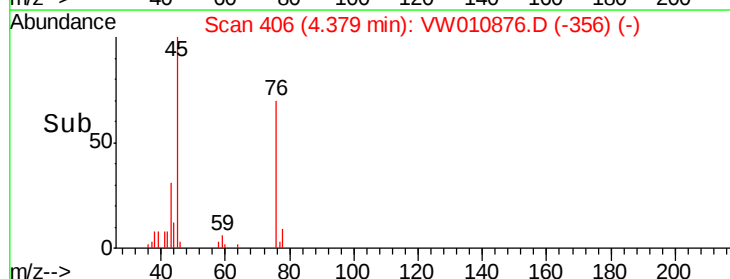
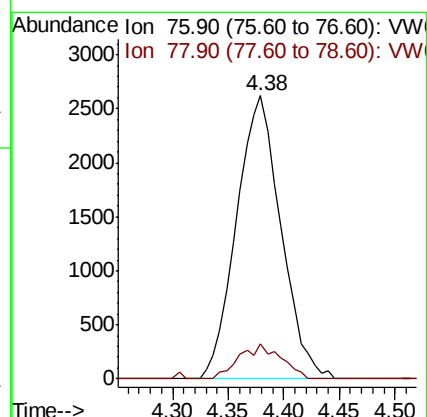
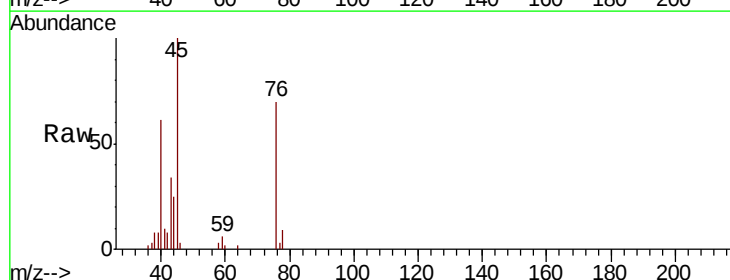
Acq: 20 Jun 2019 05:21

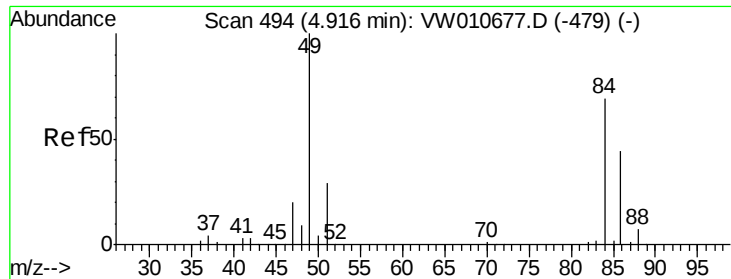
Tgt Ion: 76 Resp: 7256

Ion Ratio Lower Upper

76 100

78 12.3 7.5 11.3#

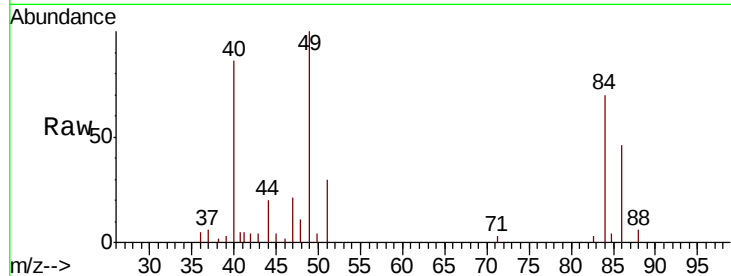




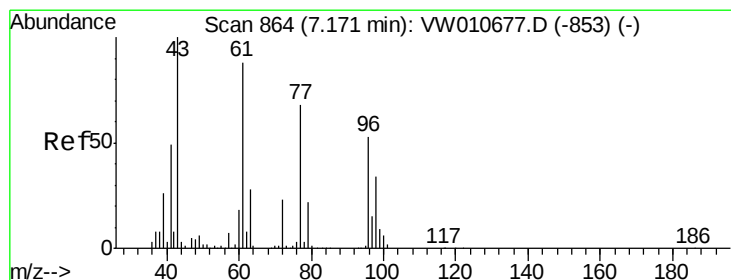
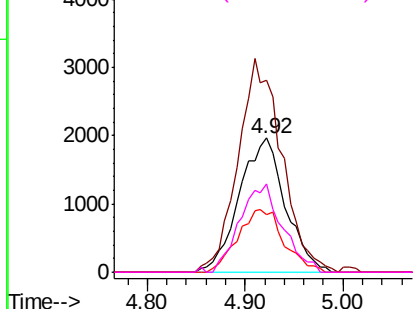
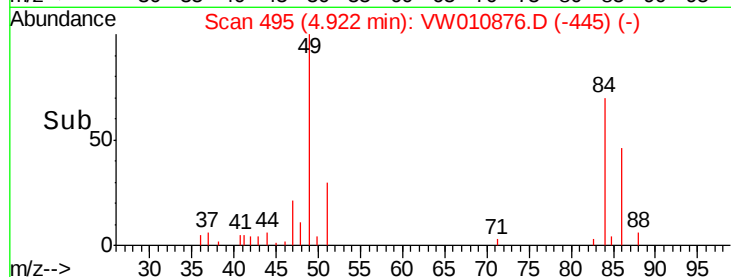
#20
Methvlene Chloride
Concen: 3.173 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-2

Tot Ion: 84 Resp: 6440
Ion Ratio Lower Upper
84 100
49 143.4 116.7 175.1
51 43.2 34.2 51.2
86 65.6 51.2 76.8

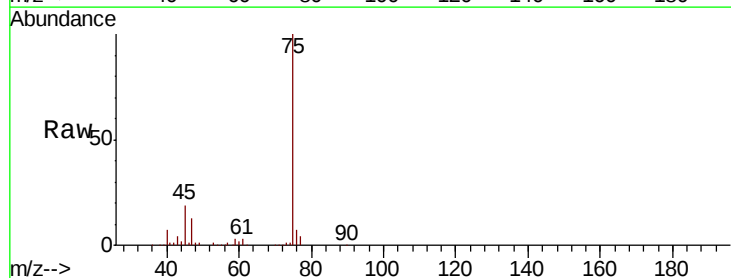


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

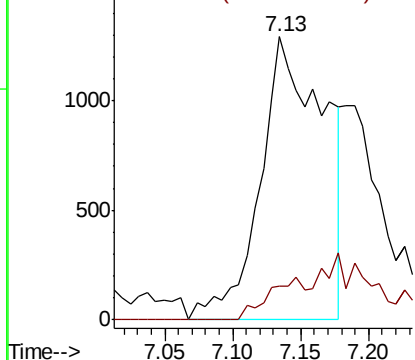
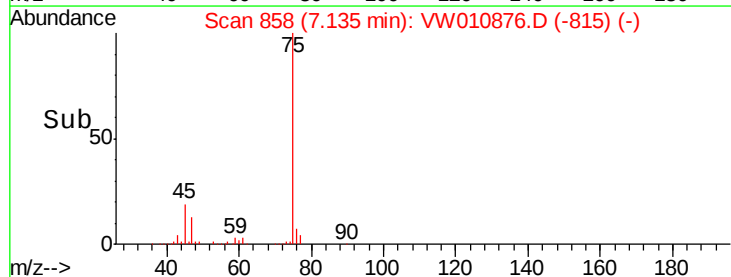


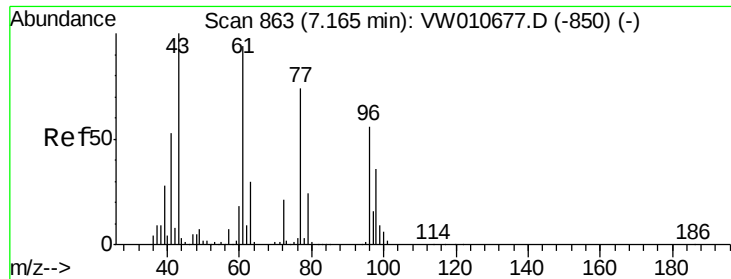
#25
2-Butanone
Concen: 5.270 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Tgt Ion: 43 Resp: 4228
Ion Ratio Lower Upper
43 100
72 11.9 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.158 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

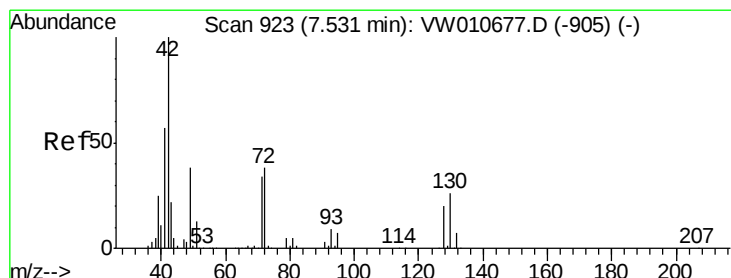
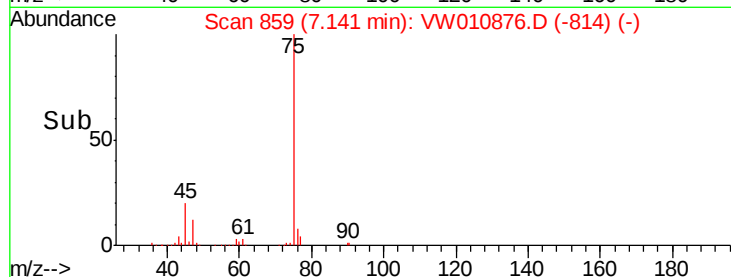
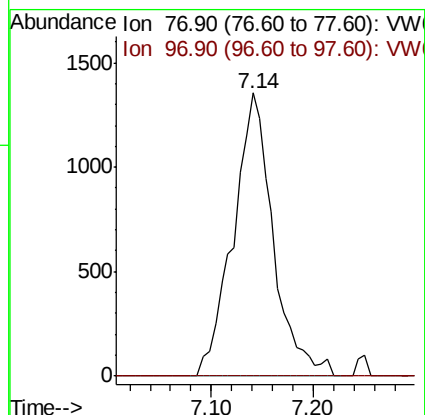
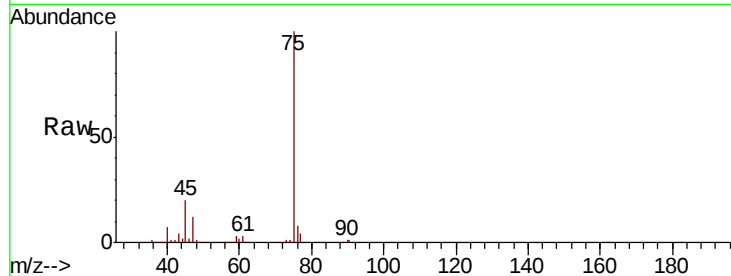
SIDEWALL-2

Tot Ion: 77 Resp: 3694

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



#29

Tetrahydrofuran

Concen: 1.284 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

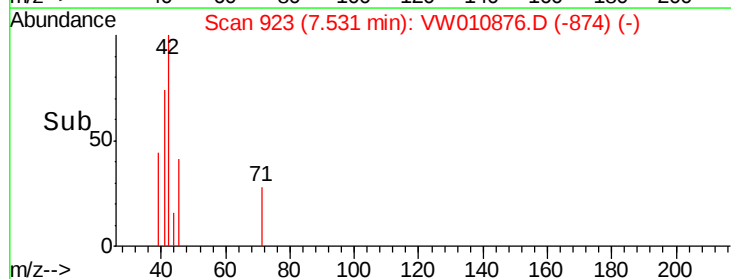
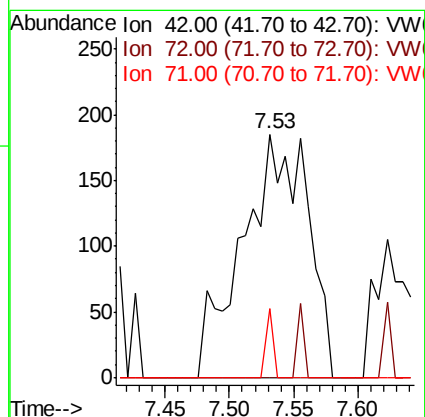
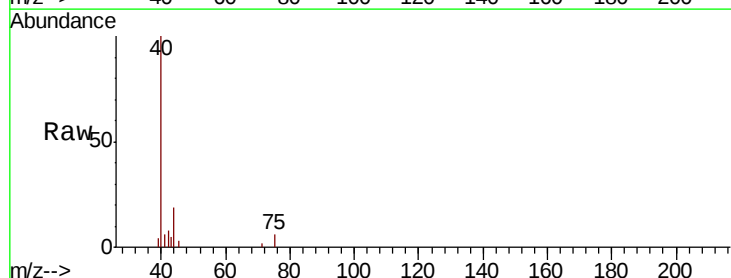
Tgt Ion: 42 Resp: 648

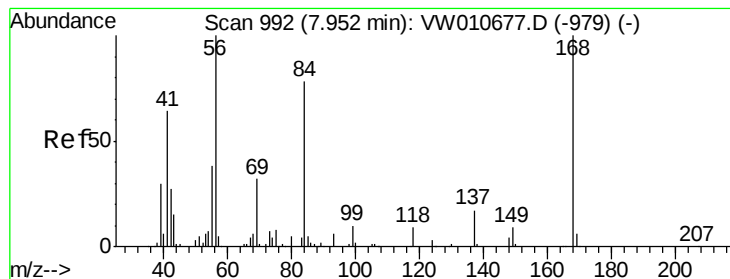
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 2.9 26.6 39.8#





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-2

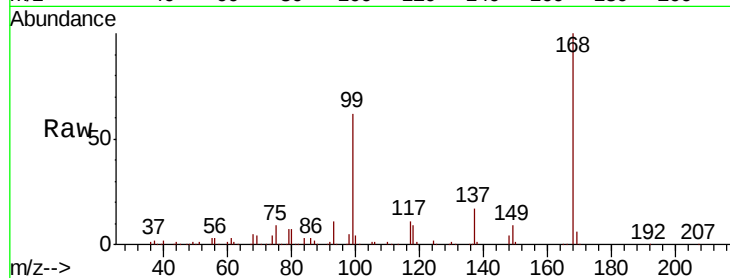
Tot Ion: 56 Resp: 5235

Ion Ratio Lower Upper

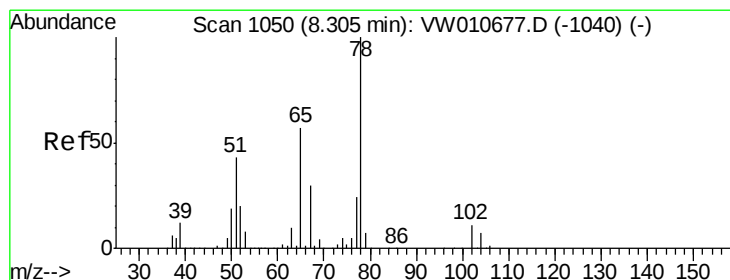
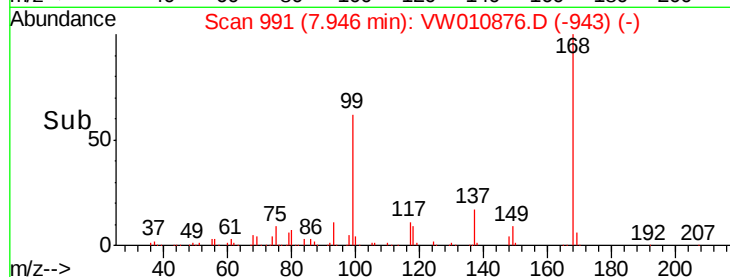
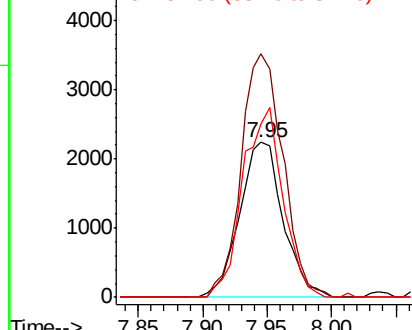
56 100

69 157.3 25.2 37.8#

84 111.7 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: 57.945 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010876.D

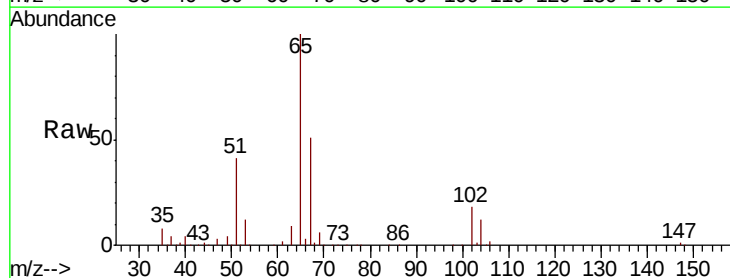
Acq: 20 Jun 2019 05:21

Tgt Ion: 65 Resp: 125129

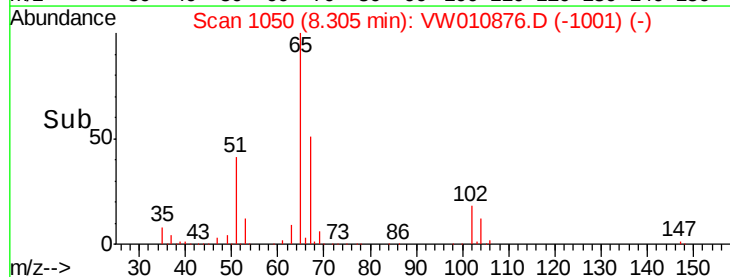
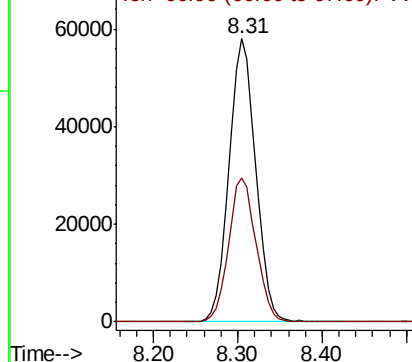
Ion Ratio Lower Upper

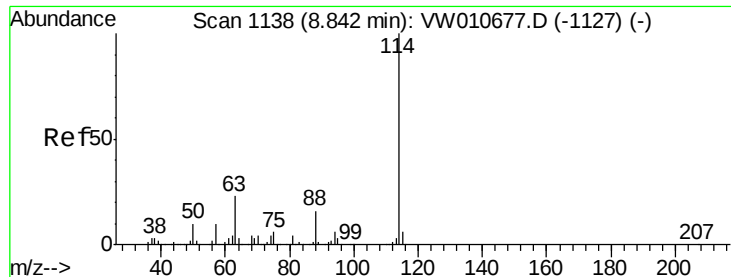
65 100

67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

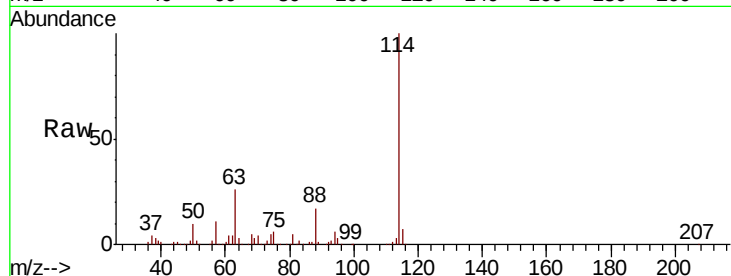




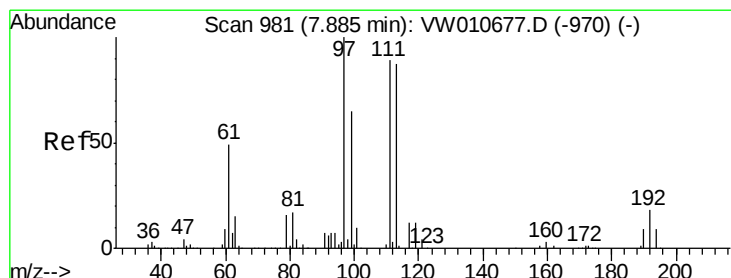
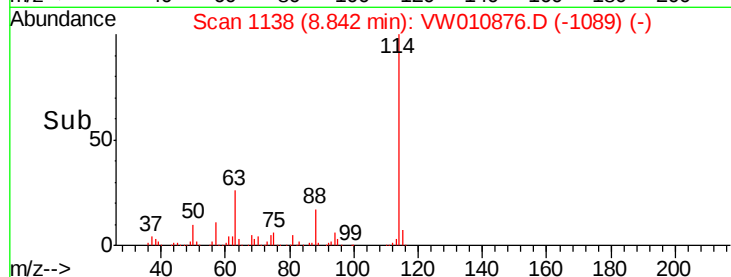
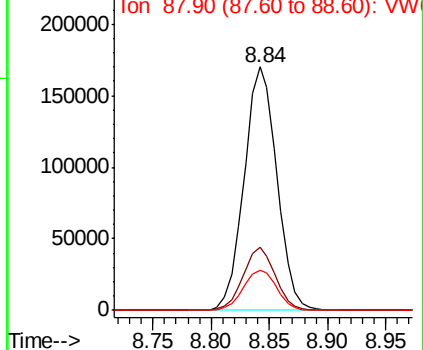
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	46.4
88	16.6	0.0	32.2

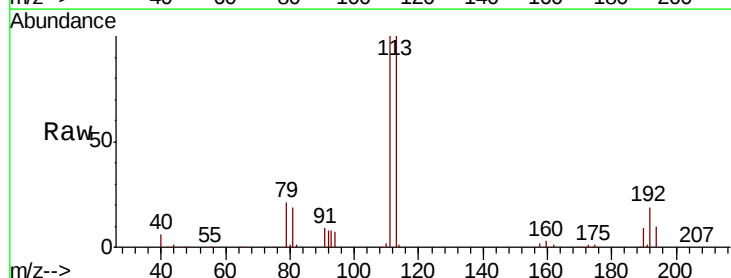


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

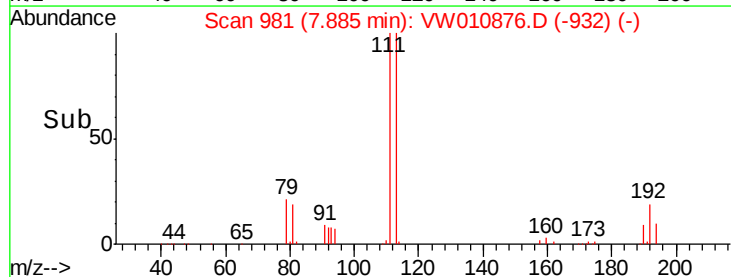
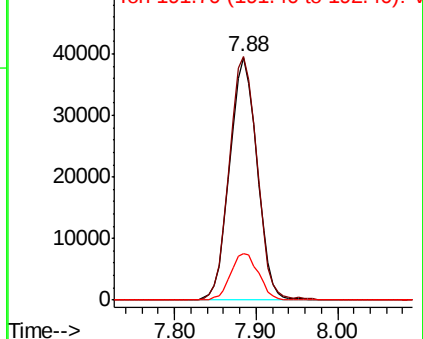


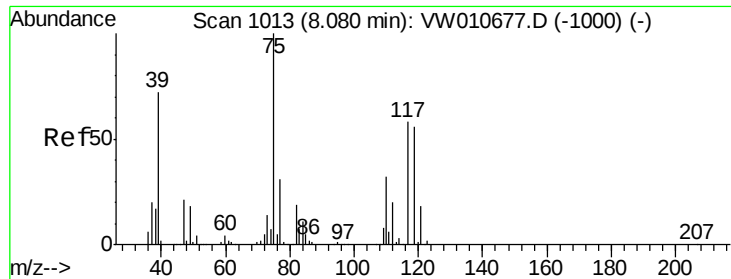
#35
Dibromofluoromethane
Concen: 50.256 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	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

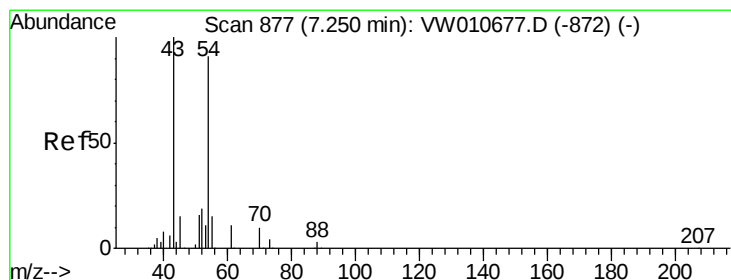
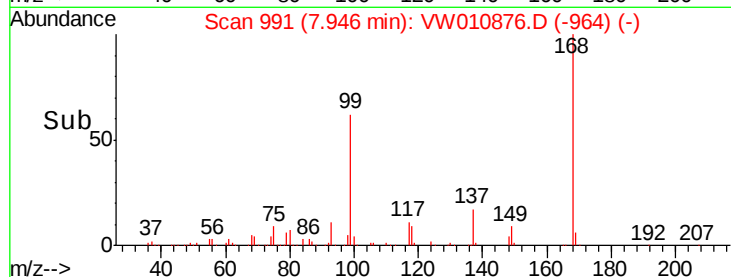
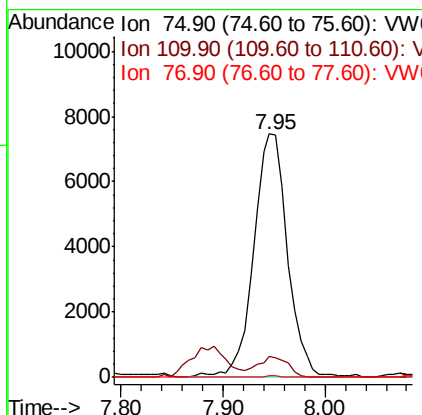
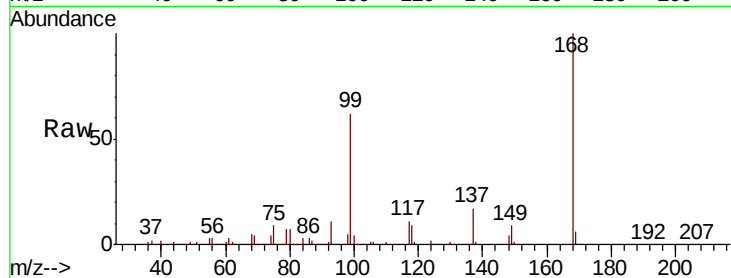




#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010876.D
 Acq: 20 Jun 2019 05:21

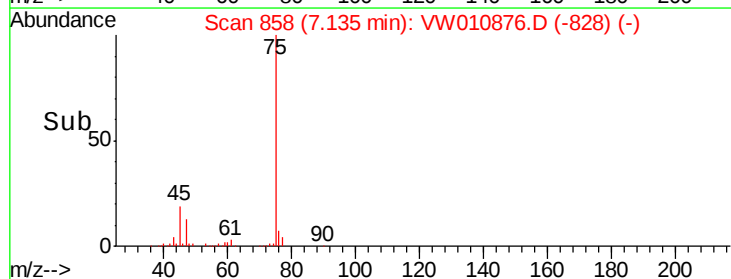
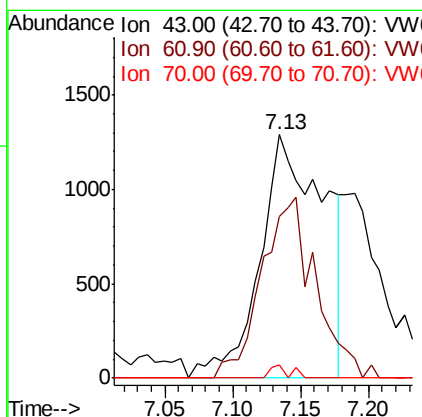
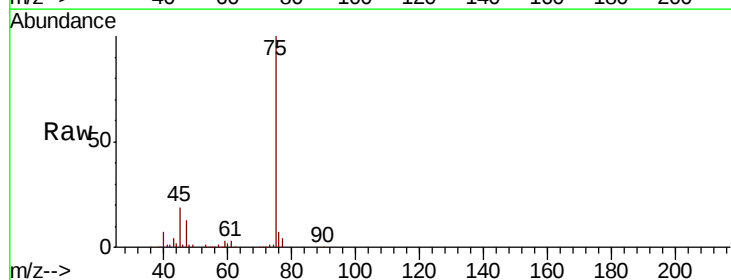
Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-2

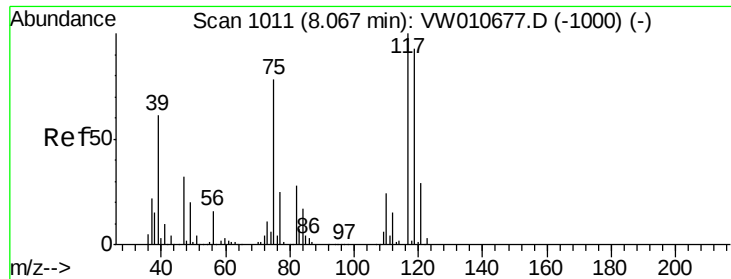
Tot Ion: 75 Resp: 17240
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.8 47.3#
 77 0.2 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 2.232 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.12 min
 Lab File: VW010876.D
 Acq: 20 Jun 2019 05:21

Tgt Ion: 43 Resp: 4228
 Ion Ratio Lower Upper
 43 100
 61 62.6 9.7 14.5#
 70 1.6 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-2

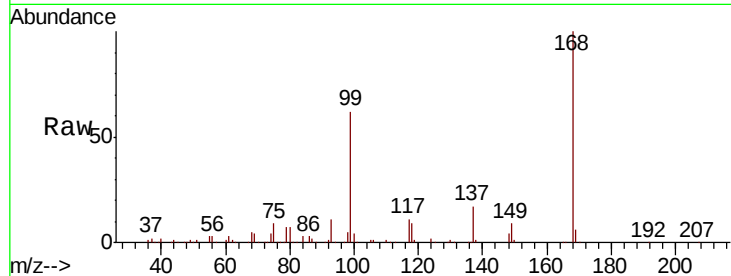
Tot Ion:117 Resp: 18972

Ion Ratio Lower Upper

117 100

119 5.7 74.2 111.4#

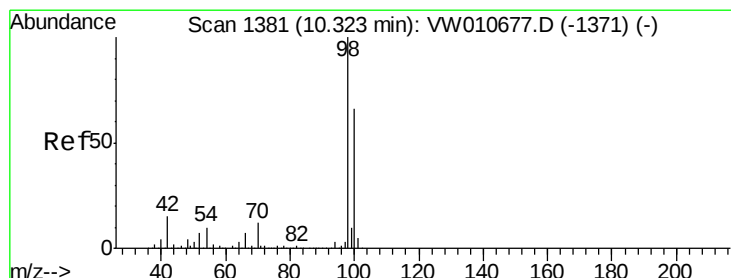
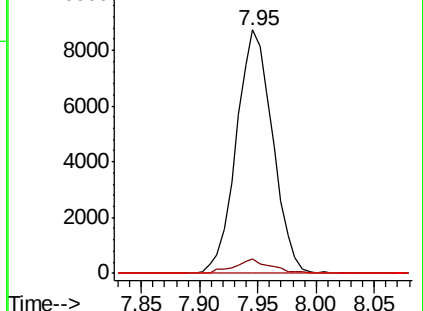
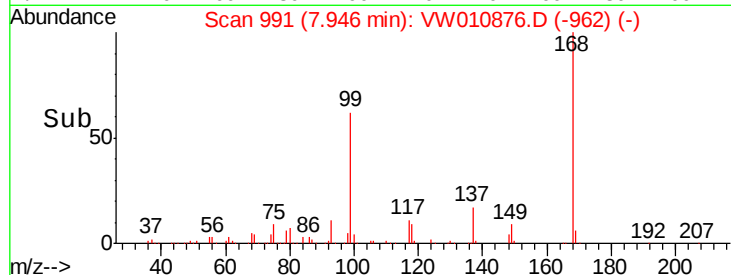
121 0.0 22.9 34.3#



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



#50

Toluene-d8

Concen: 45.117 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010876.D

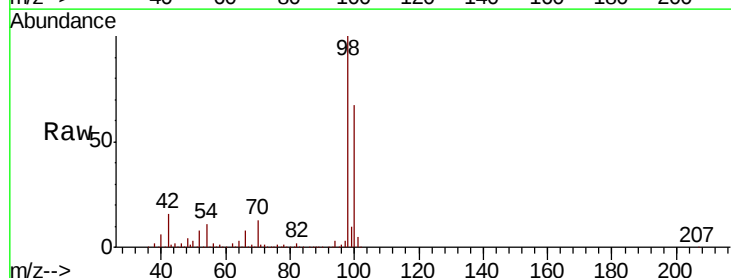
Acq: 20 Jun 2019 05:21

Tgt Ion: 98 Resp: 358608

Ion Ratio Lower Upper

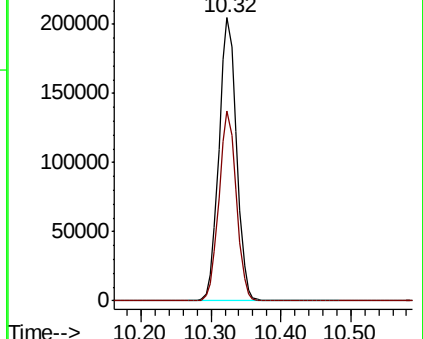
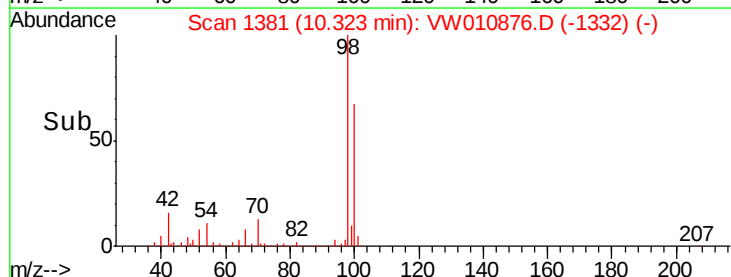
98 100

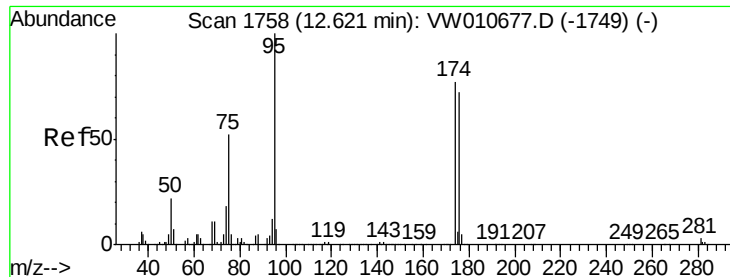
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

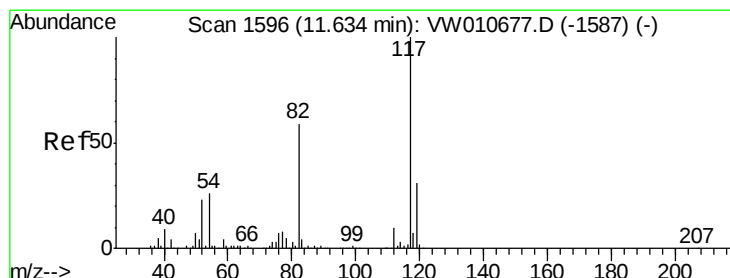
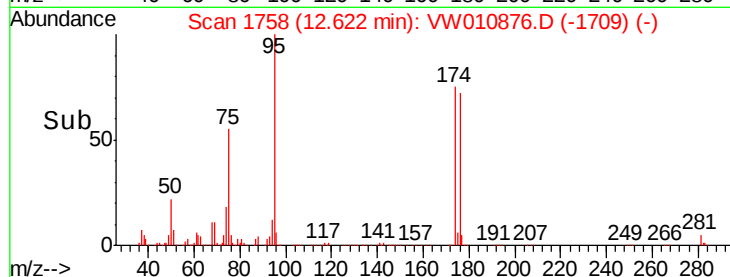
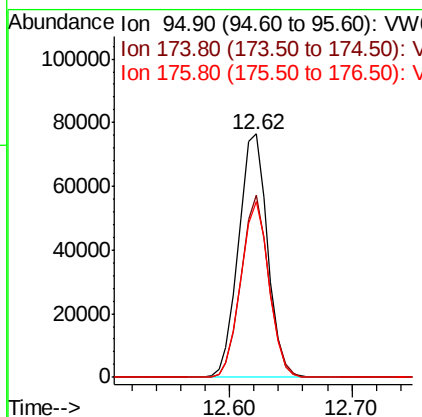
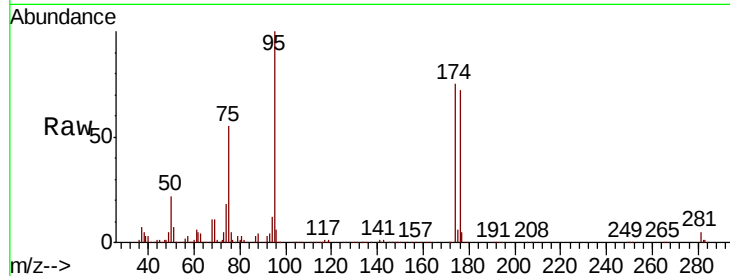




#62
4-Bromofluorobenzene
Concen: 43.290 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

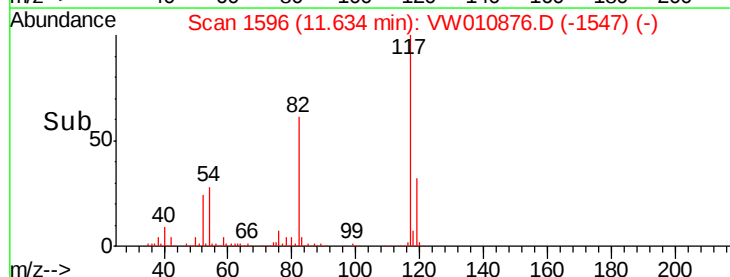
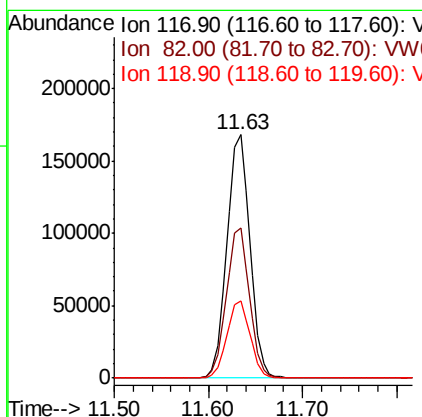
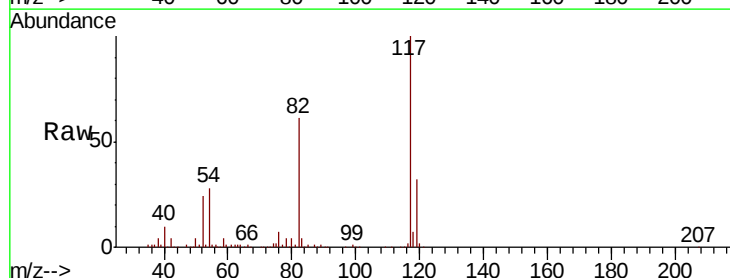
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-2

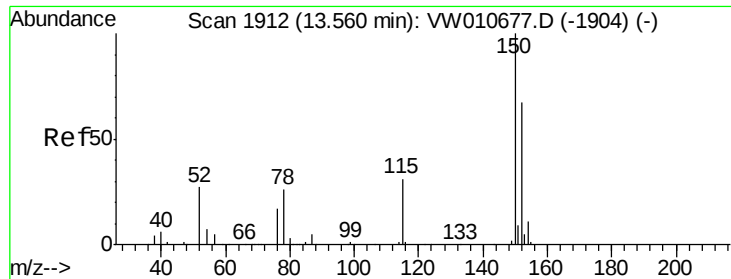
Tot Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	150.4
176	70.6	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.5	47.0	70.4
119	31.9	25.1	37.7



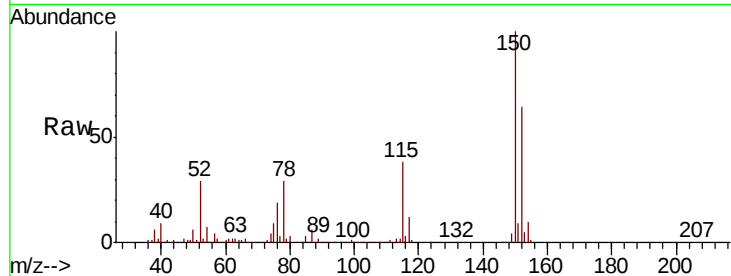


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.8	89.3
150	157.7	0.0	345.0

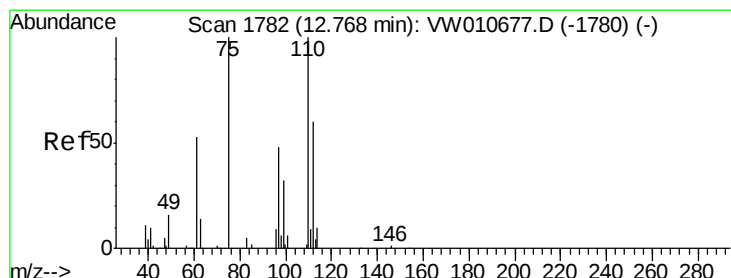
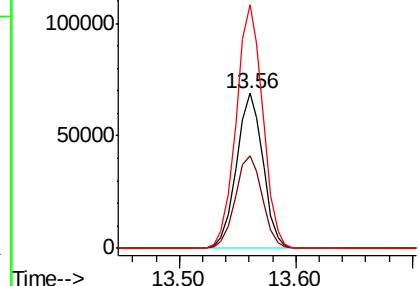
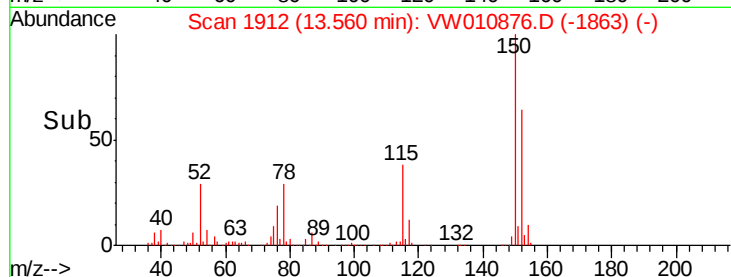


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

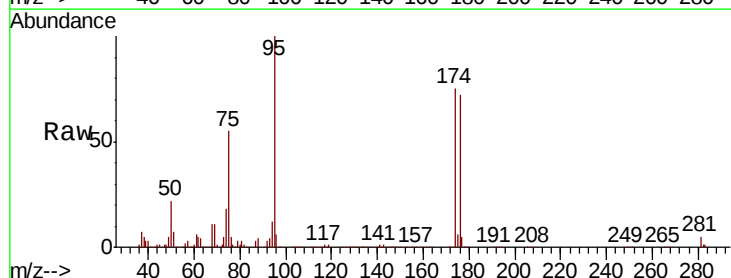
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 60.252 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010876.D
Acq: 20 Jun 2019 05:21

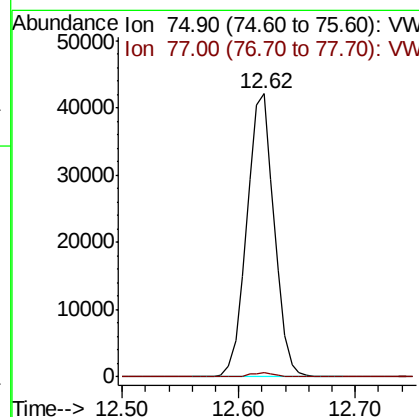
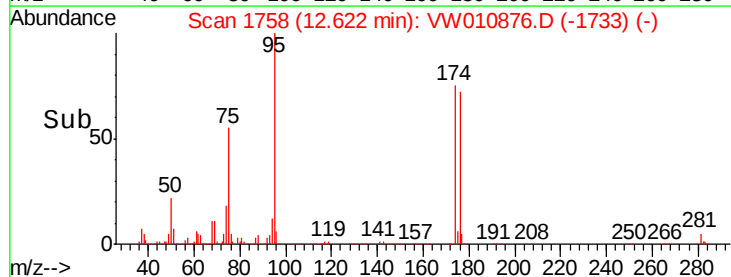
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

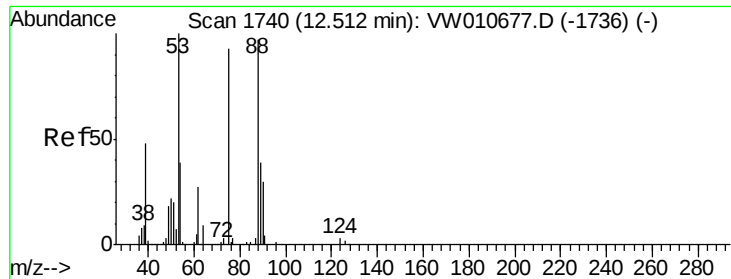


Abundance

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: 138.478 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010876.D

Acq: 20 Jun 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-2

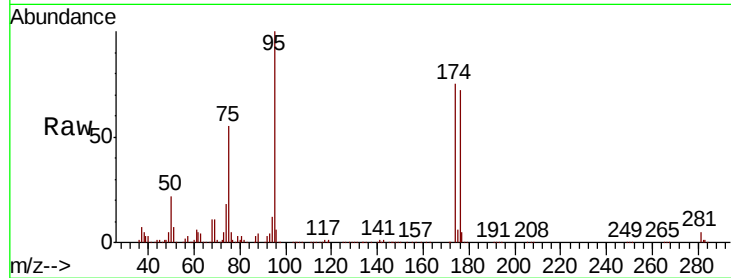
Tot Ion: 75 Resp: 68939

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 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

