

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013277.D
 Acq On : 24 Sep 2019 15:38
 Operator : SY/VA
 Sample : K5008-05RE
 Misc : 6.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

Quant Time: Sep 25 07:11:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	349924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	516190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185349	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	145223	50.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.70%	
35) Dibromofluoromethane	7.88	113	142962	50.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.72%	
50) Toluene-d8	10.32	98	601585	50.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	255784	63.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.04%	

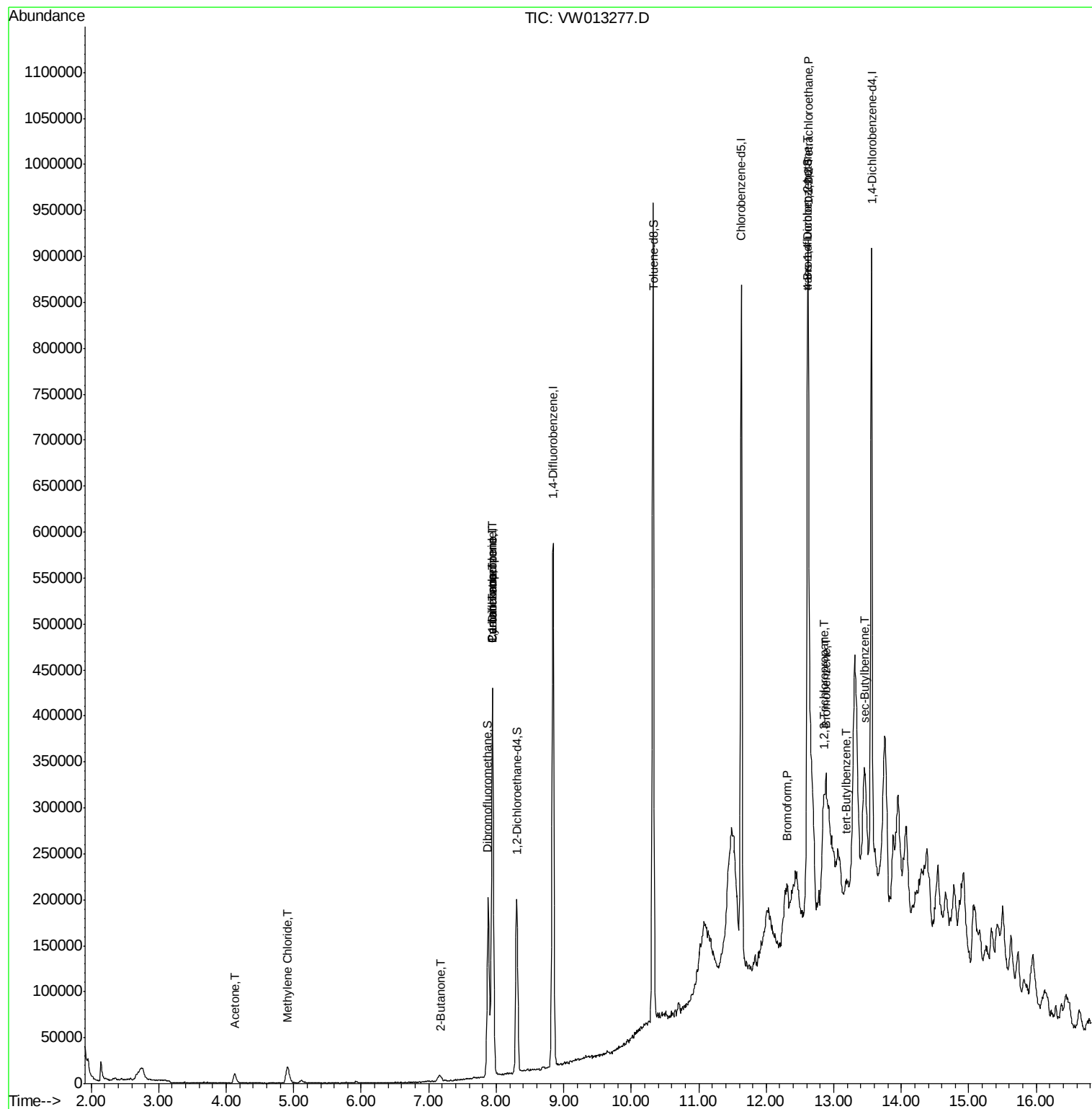
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	472	Below Cal		95
16) Acetone	4.12	43	20290	31.504	ug/l	97
20) Methylene Chloride	4.90	84	15556	1.930	ug/l	97
25) 2-Butanone	7.18	43	5929	6.133	ug/l	93
26) 2,2-Dichloropropane	7.35	77	82	Below Cal		83
31) Cyclohexane	7.94	56	6249	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22020	4.404	ug/l #	49
38) Carbon Tetrachloride	7.95	117	30111	6.718	ug/l #	17
71) Bromoform	12.32	173	8530	5.235	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.63	83	31272	13.657	ug/l #	26
76) 1,2,3-Trichloropropane	12.86	75	3085	1.885	ug/l #	100
77) Bromobenzene	12.88	156	232432	71.637	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	88538	121.372	ug/l #	21
83) tert-Butylbenzene	13.18	119	19034	1.884	ug/l #	46
85) sec-Butylbenzene	13.44	105	24639	1.769	ug/l #	56

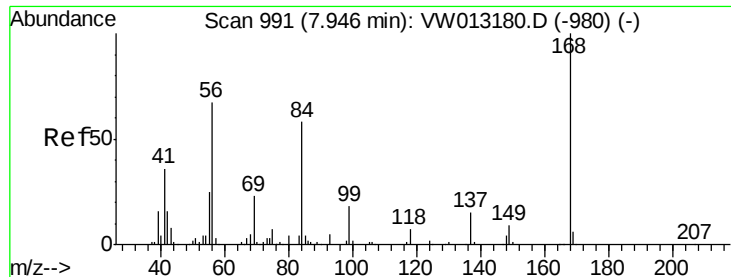
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

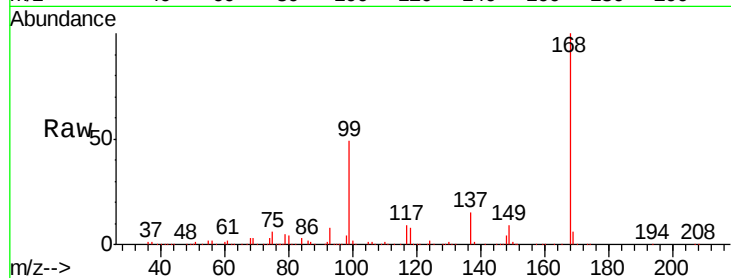
SB-5

Tgt Ion: 168 Resp: 349924

Ion Ratio Lower Upper

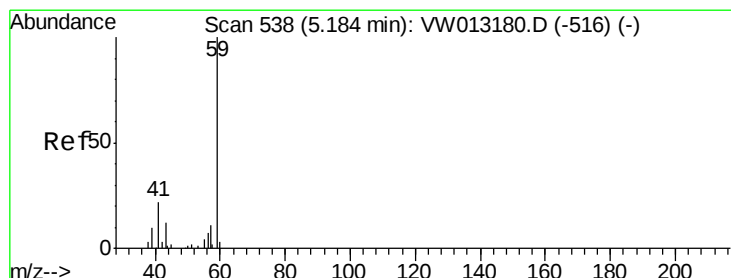
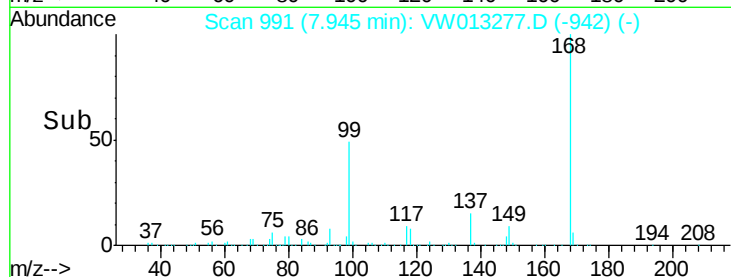
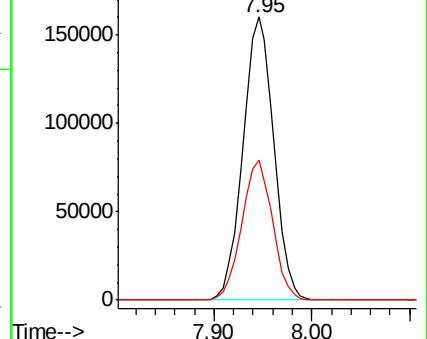
168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.02 min

Lab File: VW013277.D

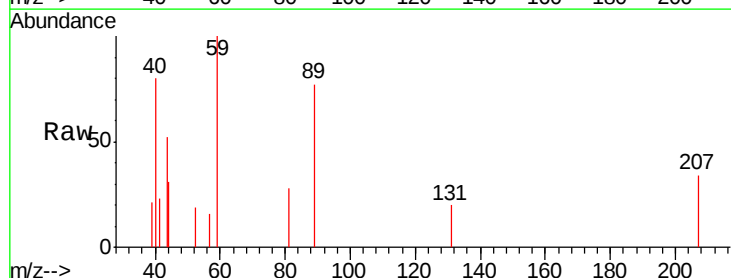
Acq: 24 Sep 2019 15:38

Tgt Ion: 59 Resp: 472

Ion Ratio Lower Upper

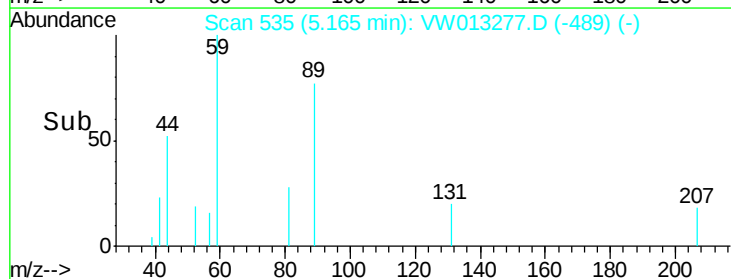
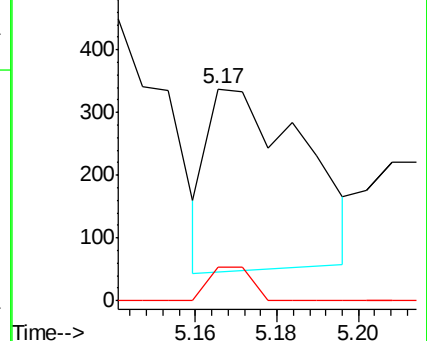
59 100

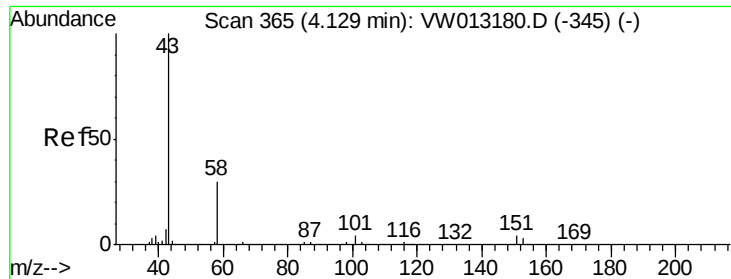
57 8.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 31.504 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

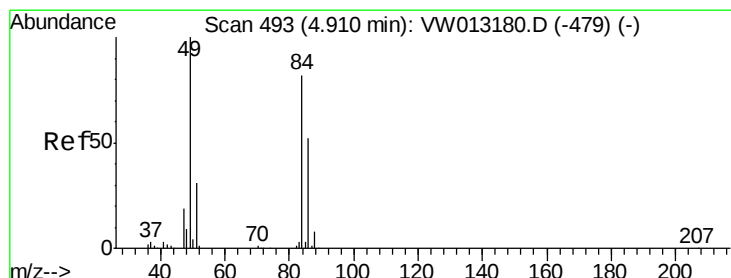
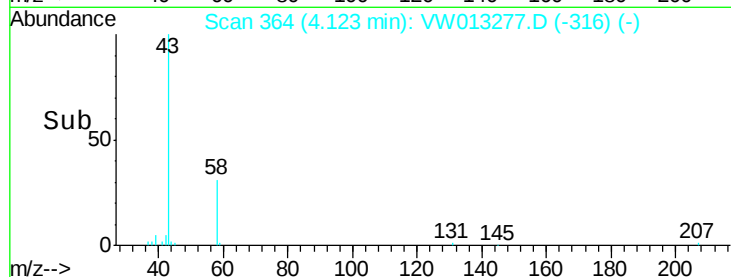
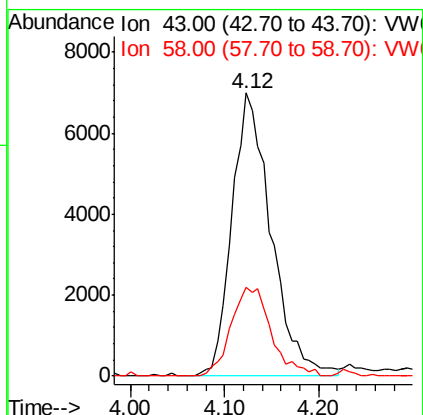
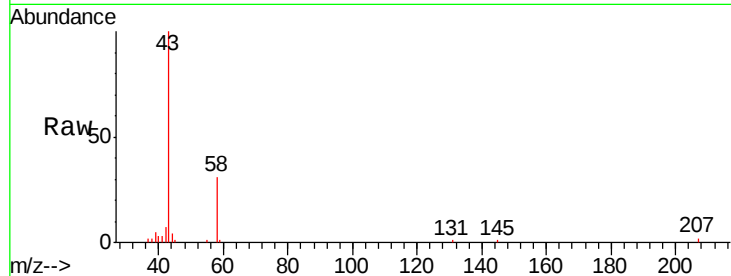
SB-5

Tgt Ion: 43 Resp: 20290

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1



#20

Methylene Chloride

Concen: 1.930 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Tgt Ion: 84 Resp: 15556

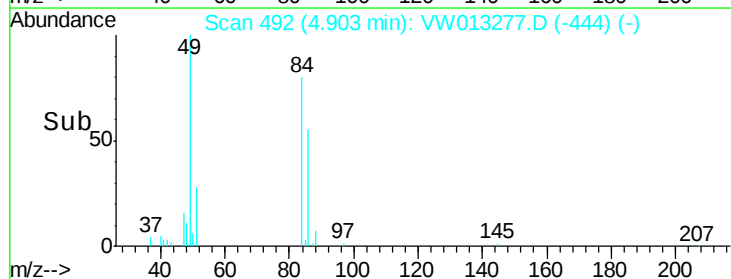
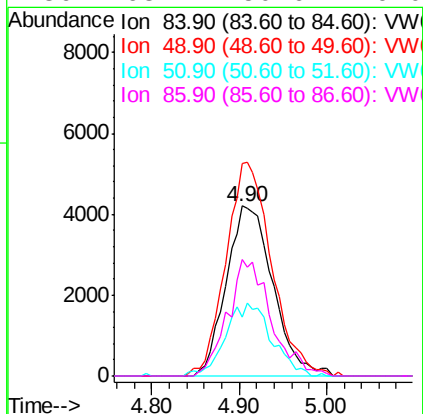
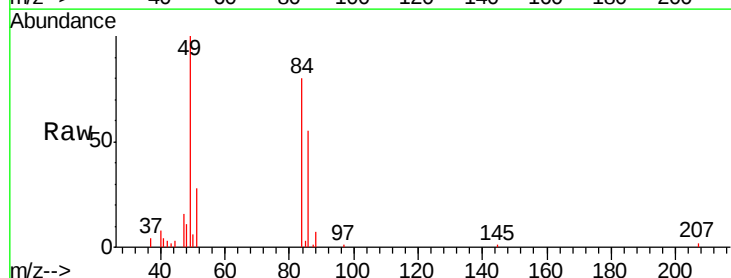
Ion Ratio Lower Upper

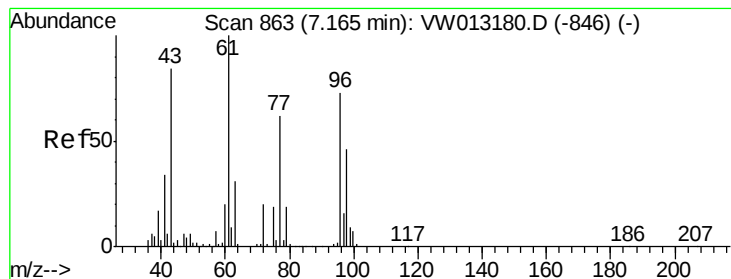
84 100

49 123.1 97.6 146.4

51 34.5 30.2 45.2

86 68.4 50.6 76.0





#25

2-Butanone

Concen: 6.133 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

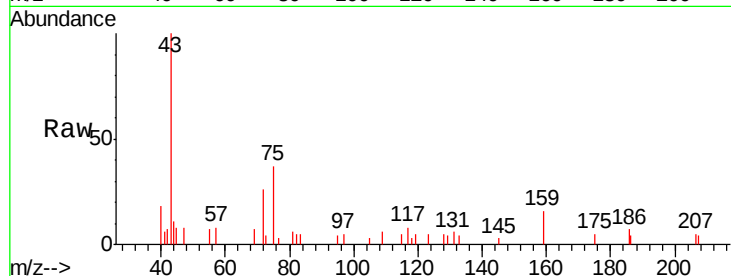
SB-5

Tgt Ion: 43 Resp: 5929

Ion Ratio Lower Upper

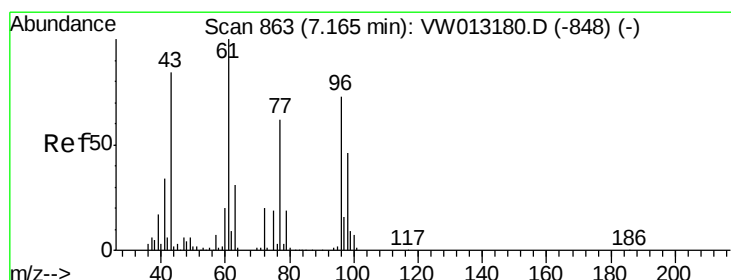
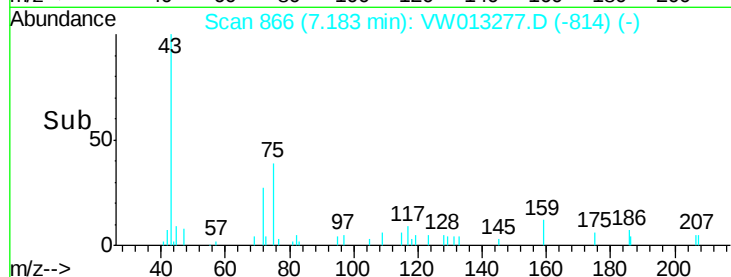
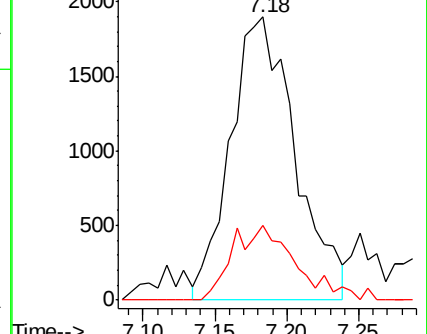
43 100

72 27.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.35 min Scan# 893

Delta R.T. 0.18 min

Lab File: VW013277.D

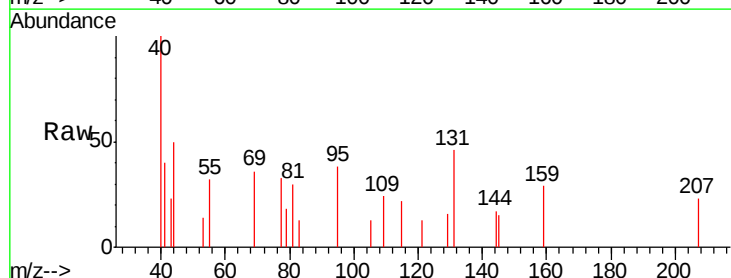
Acq: 24 Sep 2019 15:38

Tgt Ion: 77 Resp: 82

Ion Ratio Lower Upper

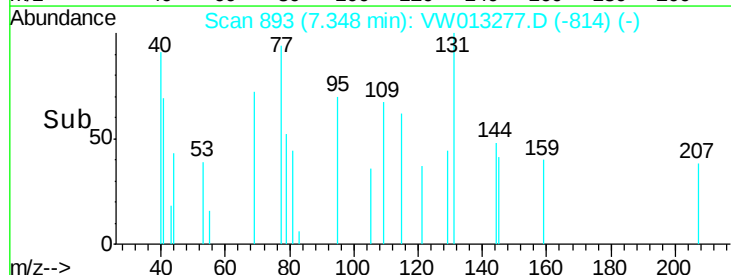
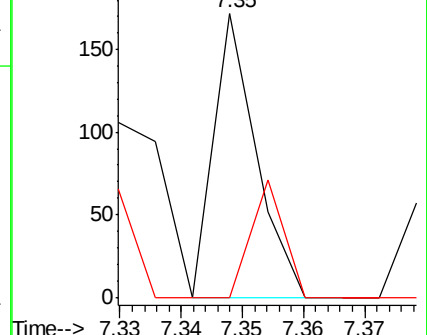
77 100

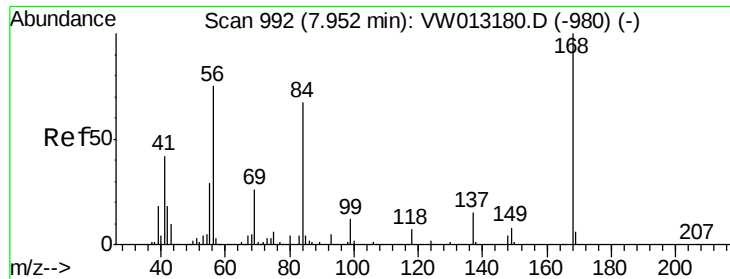
97 31.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

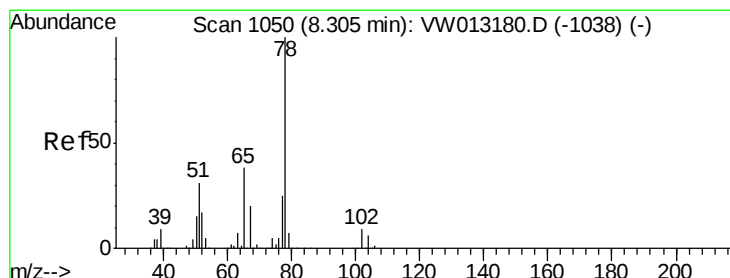
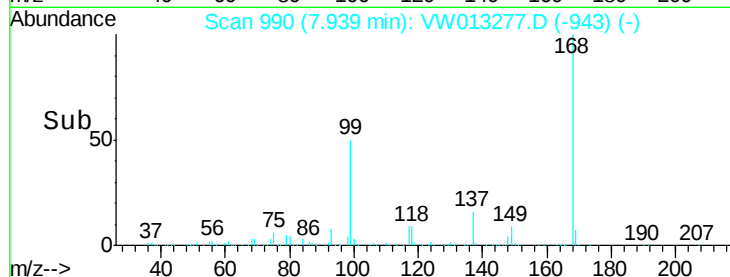
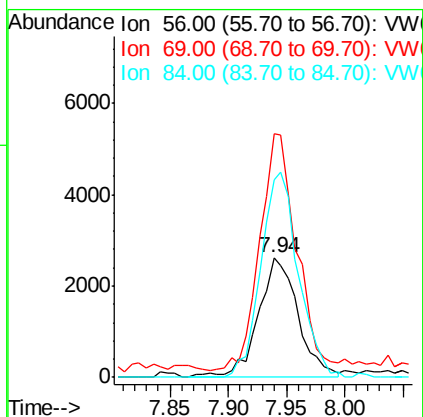
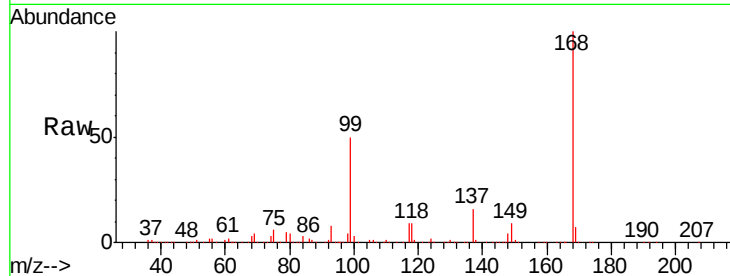




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

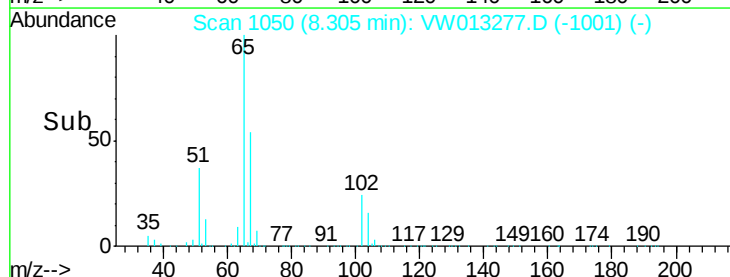
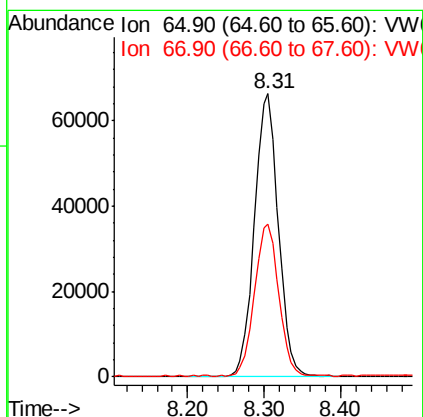
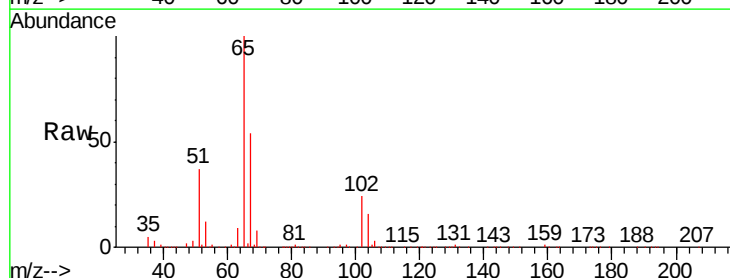
Instrument :
MSVOA_W
ClientSampleId :
SB-5

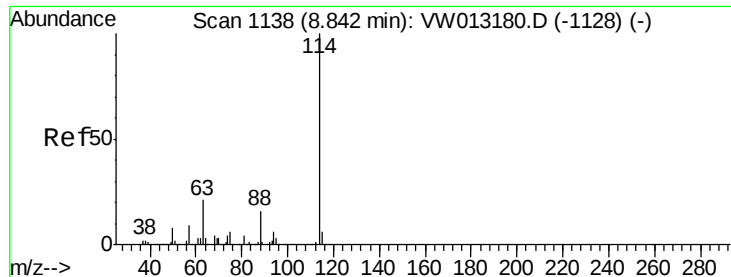
Tgt Ion: 56 Resp: 6249
Ion Ratio Lower Upper
56 100
69 193.5 27.2 40.8#
84 164.4 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 50.850 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

Tgt Ion: 65 Resp: 145223
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.2

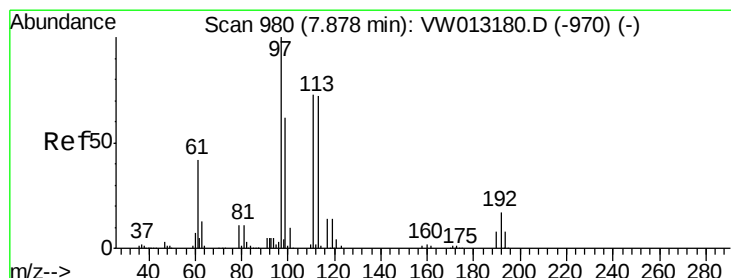
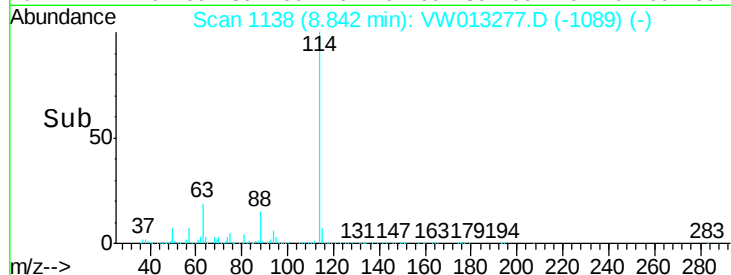
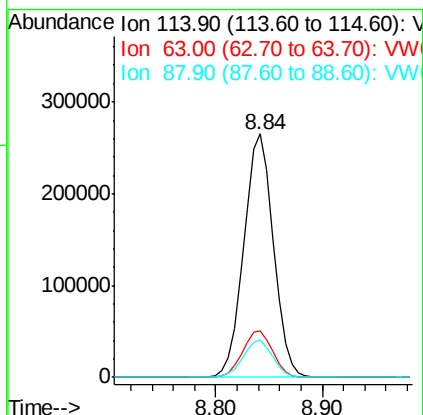
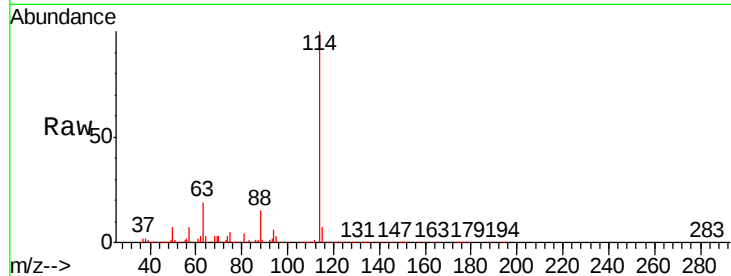




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013277.D
 Acq: 24 Sep 2019 15:38

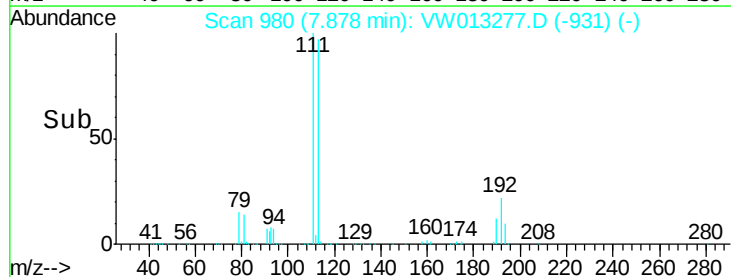
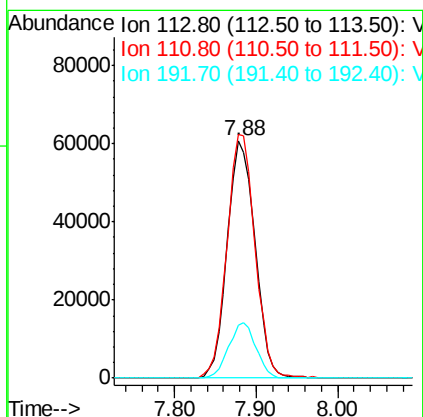
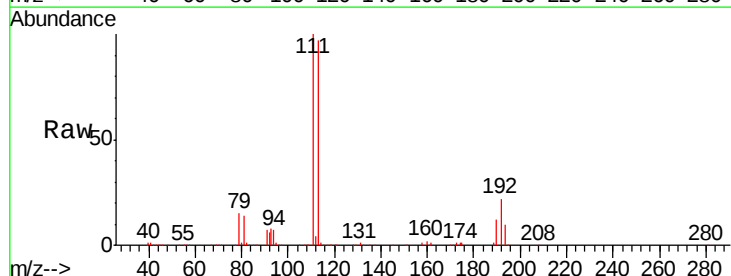
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

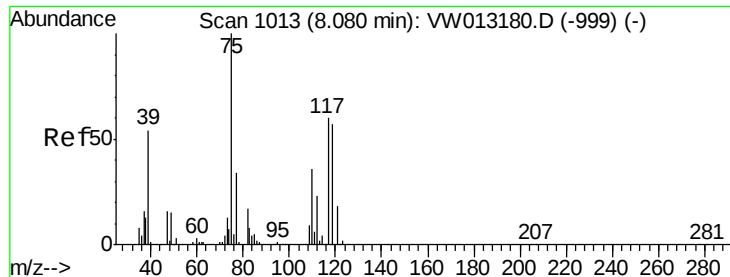
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.4
88	15.5	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 50.356 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013277.D
 Acq: 24 Sep 2019 15:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	22.9	19.1	28.7





#36

1,1-Dichloropropene

Concen: 4.404 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SB-5

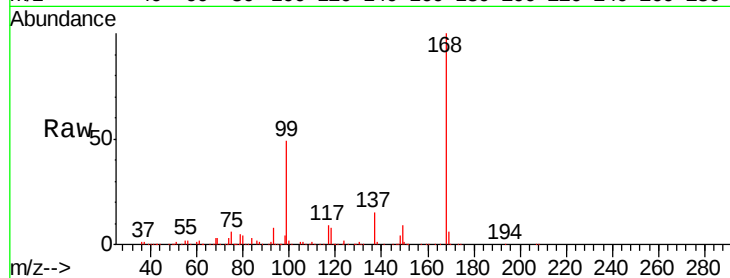
Tgt Ion: 75 Resp: 22020

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

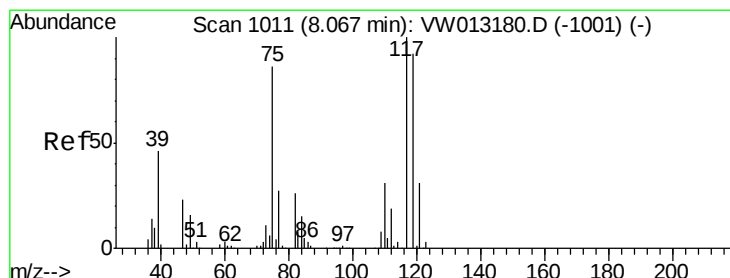
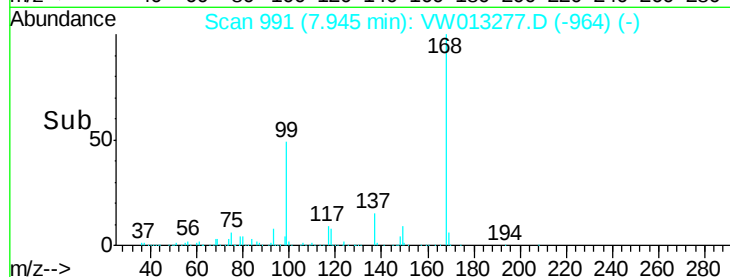
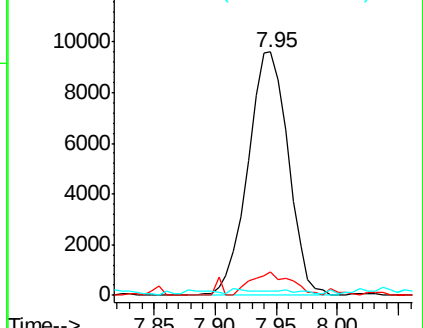
77 0.0 25.8 38.6#



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: 6.718 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

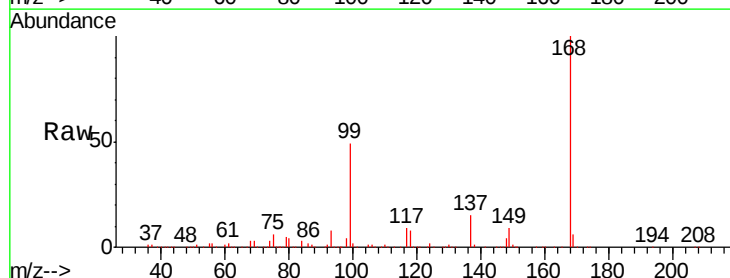
Tgt Ion: 117 Resp: 30111

Ion Ratio Lower Upper

117 100

119 4.3 73.5 110.3#

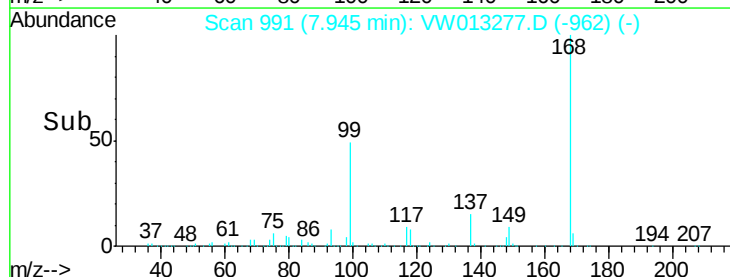
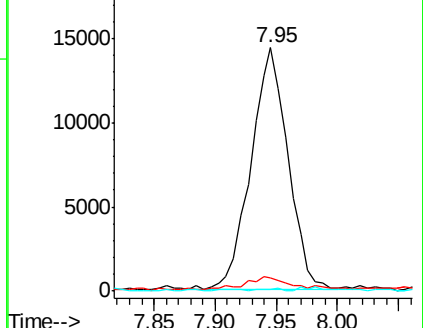
121 0.3 25.0 37.6#

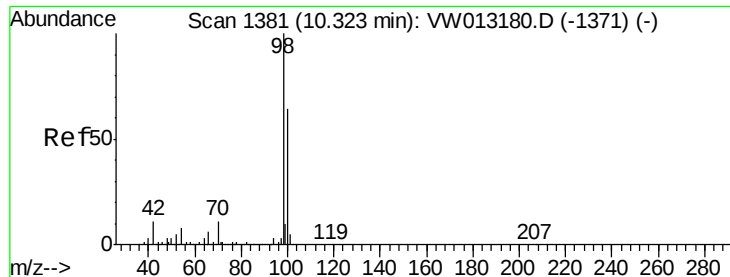


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

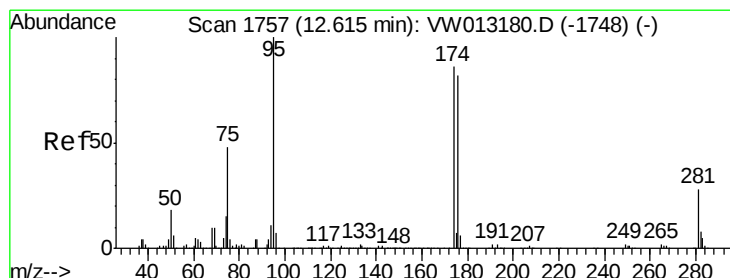
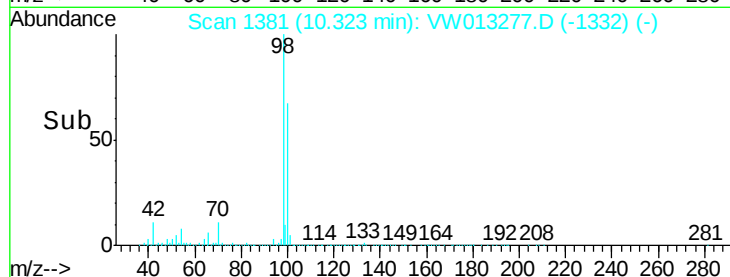
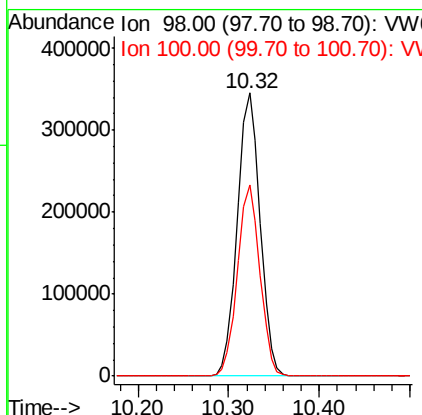
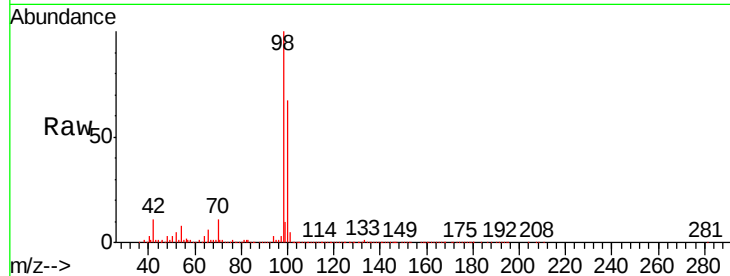




#50
Toluene-d8
Concen: 50.631 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

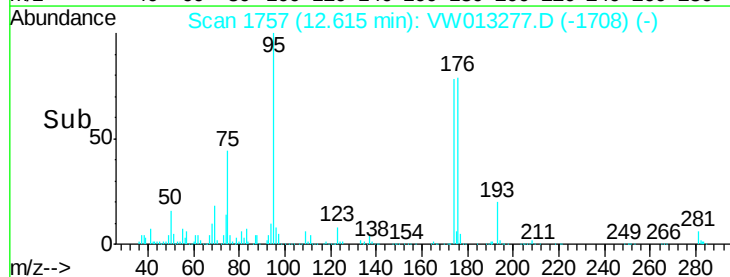
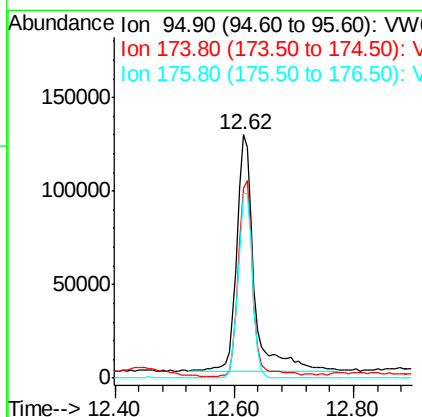
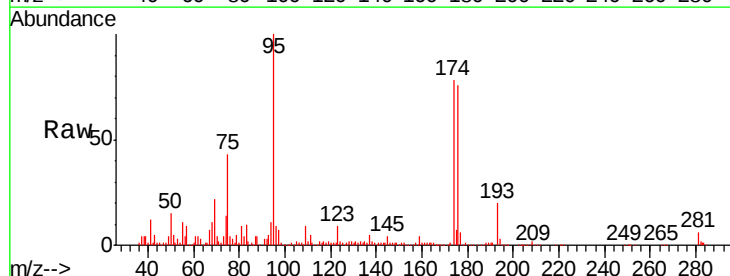
Instrument :
MSVOA_W
ClientSampleId :
SB-5

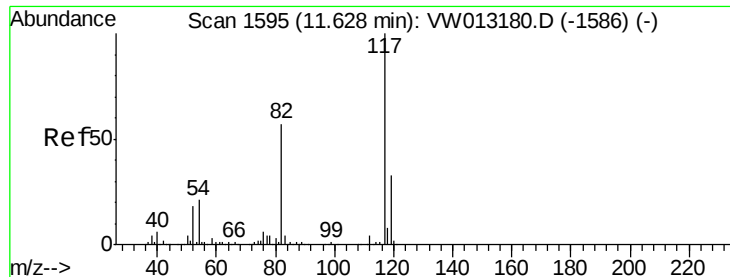
Tgt Ion: 98 Resp: 601585
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 63.021 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

Tgt Ion: 95 Resp: 255784
Ion Ratio Lower Upper
95 100
174 69.5 0.0 178.4
176 63.8 0.0 172.2

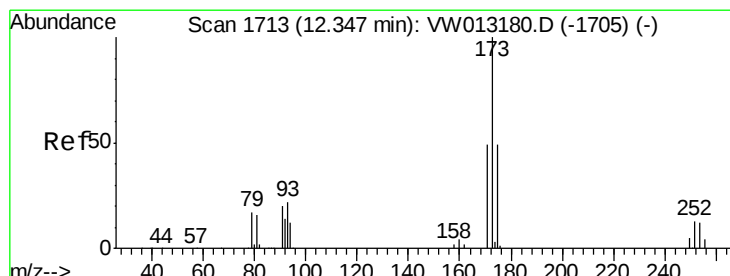
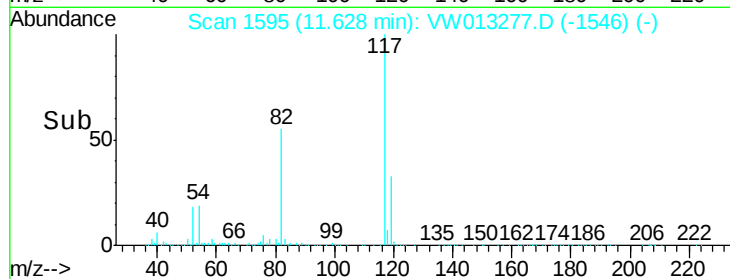
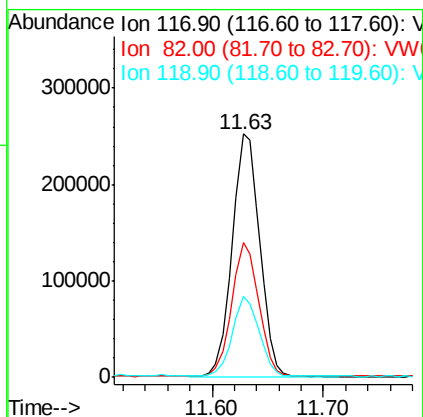
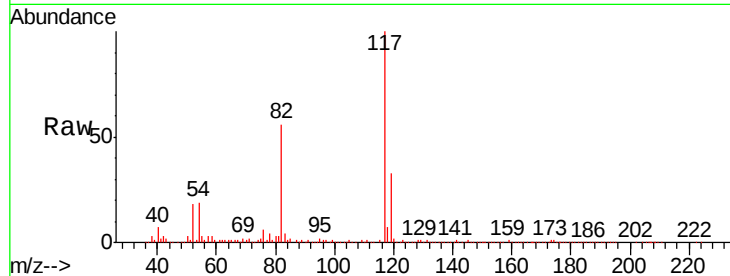




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

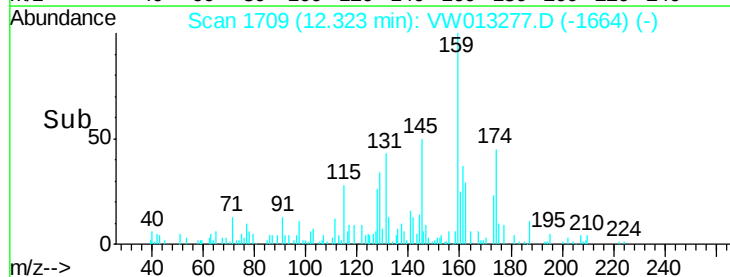
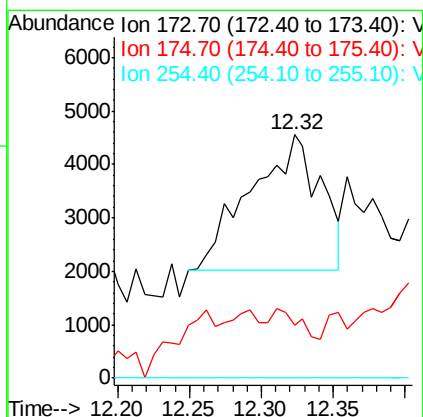
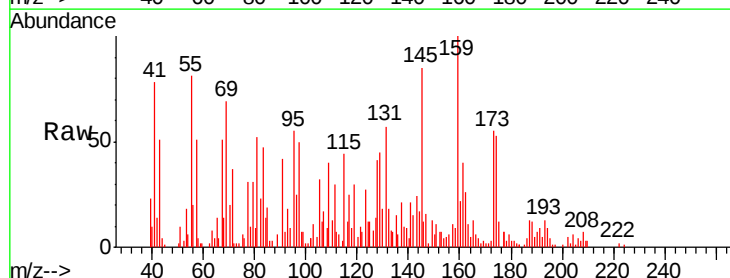
Instrument :
MSVOA_W
ClientSampleId :
SB-5

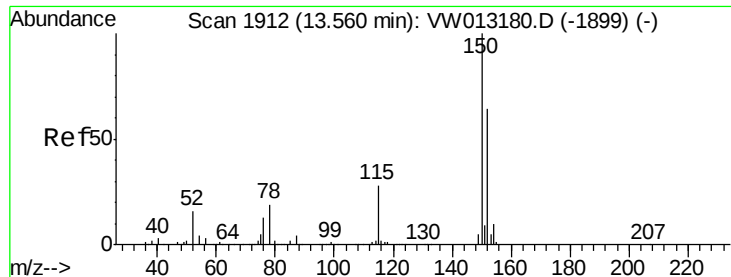
Tgt Ion:117 Resp: 432338
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.6 26.2 39.2



#71
Bromoform
Concen: 5.235 ug/l
RT: 12.32 min Scan# 1709
Delta R.T. -0.02 min
Lab File: VW013277.D
Acq: 24 Sep 2019 15:38

Tgt Ion:173 Resp: 8530
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SB-5

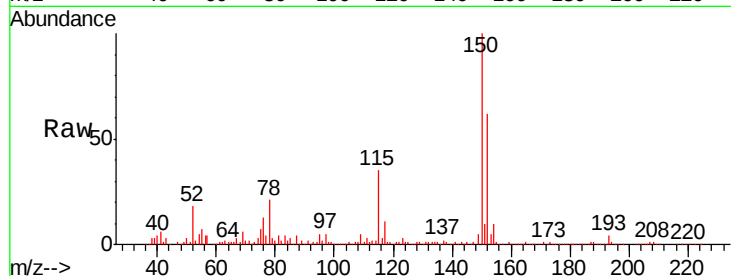
Tgt Ion: 152 Resp: 185349

Ion Ratio Lower Upper

152 100

115 55.4 27.3 81.9

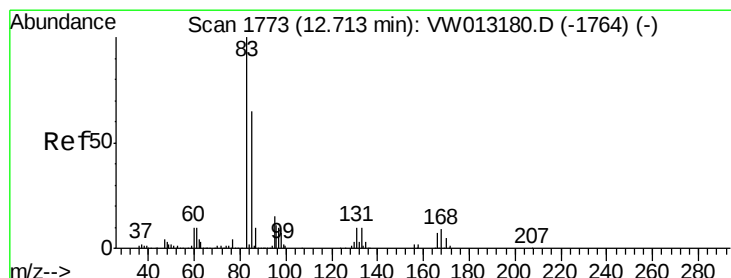
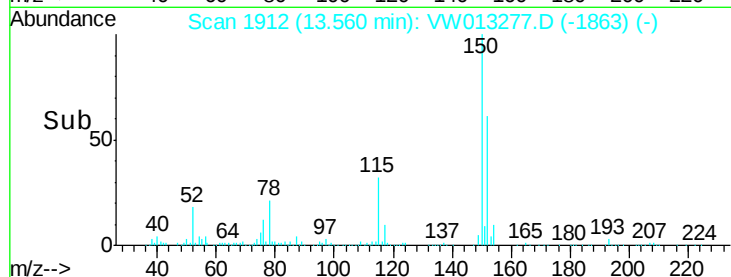
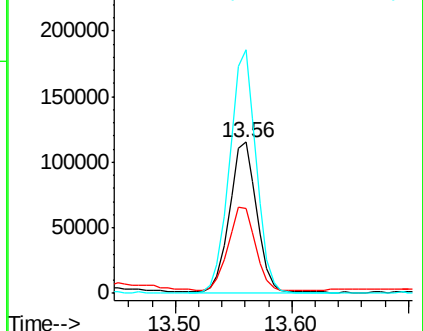
150 157.5 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 13.657 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.09 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

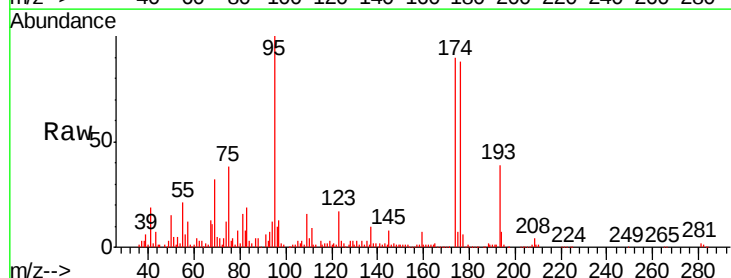
Tgt Ion: 83 Resp: 31272

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

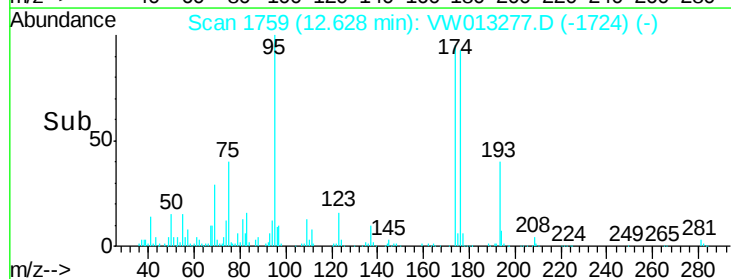
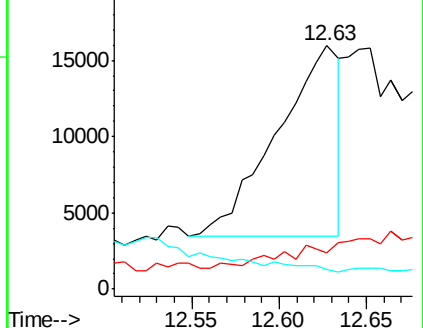
85 0.0 31.9 95.9#

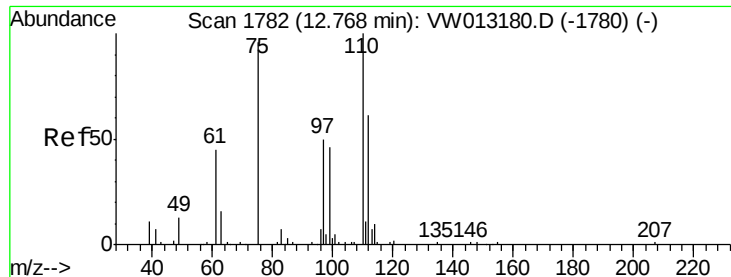


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

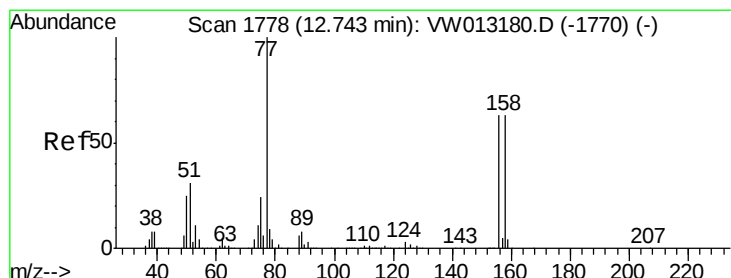
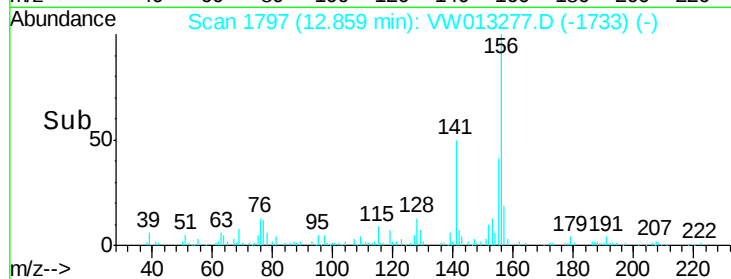
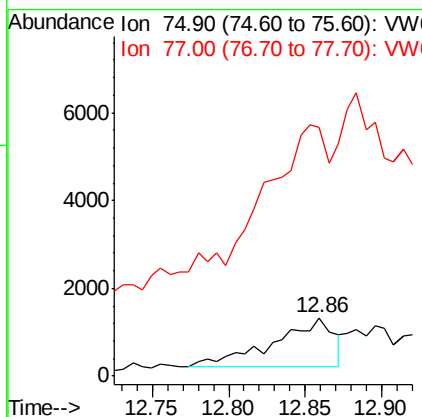
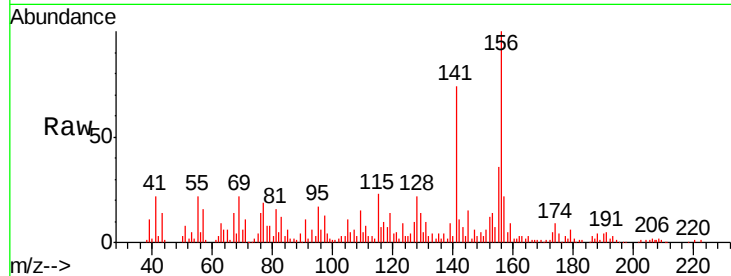




#76
 1,2,3-Trichloropropane
 Concen: 1.885 ug/l
 RT: 12.86 min Scan# 1797
 Delta R.T. 0.09 min
 Lab File: VW013277.D
 Acq: 24 Sep 2019 15:38

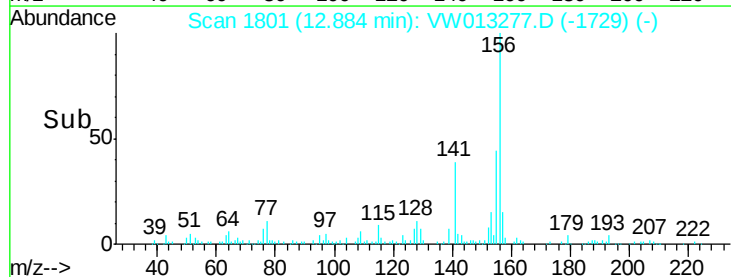
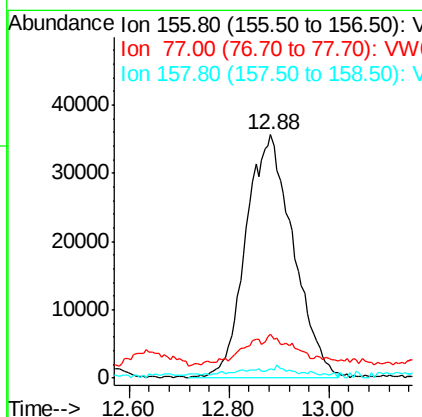
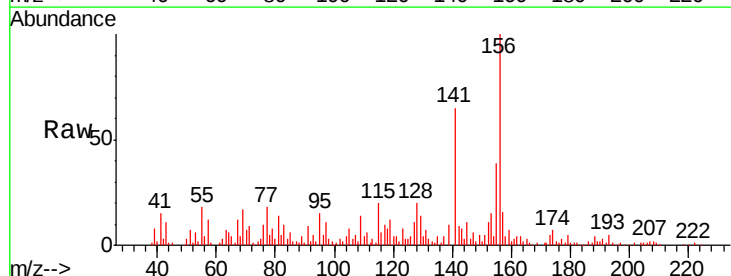
Instrument :
 MSVOA_W
 ClientSampled :
 SB-5

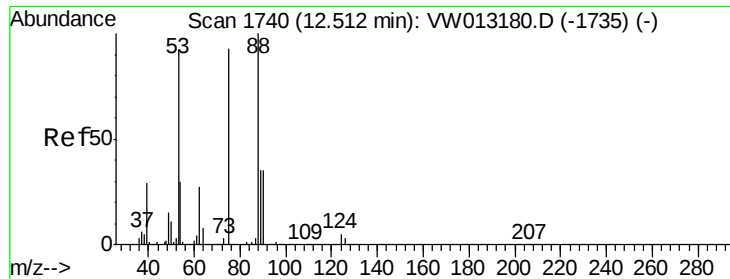
Tgt Ion: 75 Resp: 3085
 Ion Ratio Lower Upper
 75 100
 77 298.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 71.637 ug/l
 RT: 12.88 min Scan# 1801
 Delta R.T. 0.14 min
 Lab File: VW013277.D
 Acq: 24 Sep 2019 15:38

Tgt Ion: 156 Resp: 232432
 Ion Ratio Lower Upper
 156 100
 77 1.2 85.7 257.1#
 158 0.7 48.1 144.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 121.372 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

SB-5

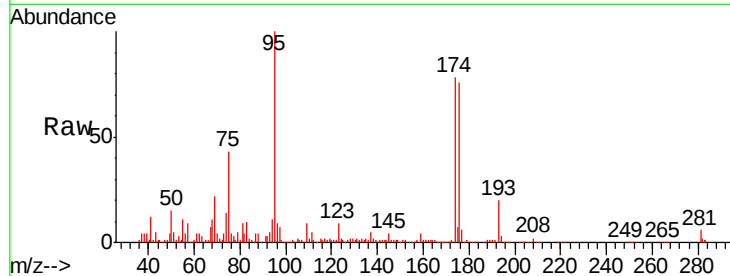
Tgt Ion: 75 Resp: 88538

Ion Ratio Lower Upper

75 100

53 12.6 76.6 114.8#

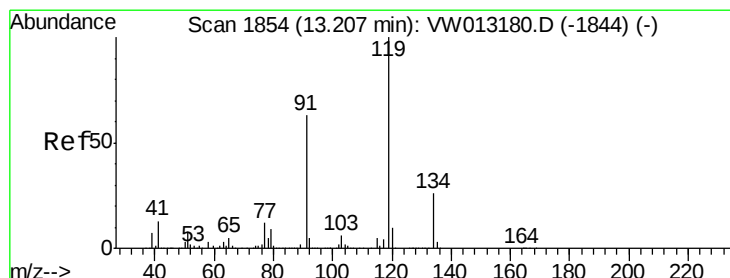
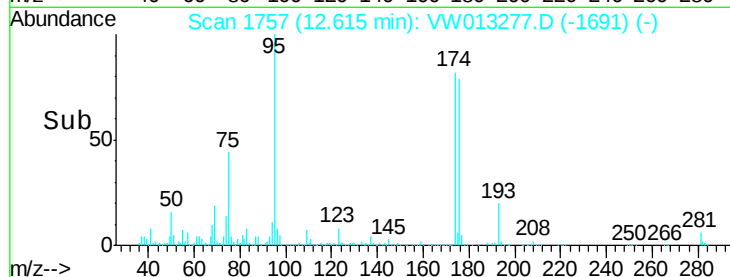
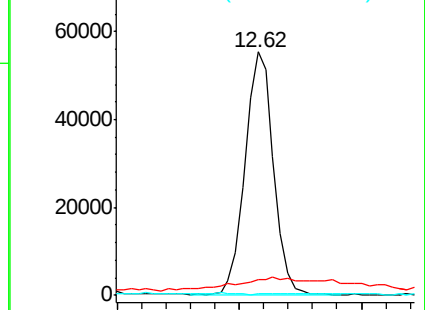
89 0.9 33.5 50.3#



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



#83

tert-Butylbenzene

Concen: 1.884 ug/l

RT: 13.18 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VW013277.D

Acq: 24 Sep 2019 15:38

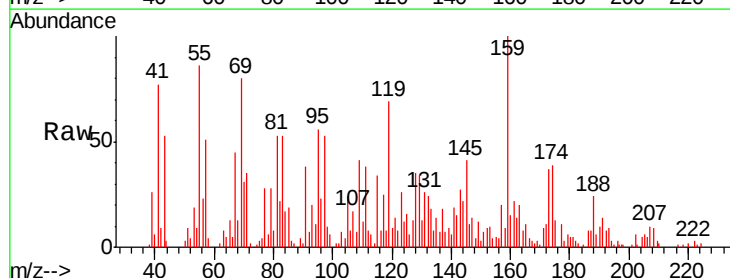
Tgt Ion: 119 Resp: 19034

Ion Ratio Lower Upper

119 100

91 10.3 30.7 92.1#

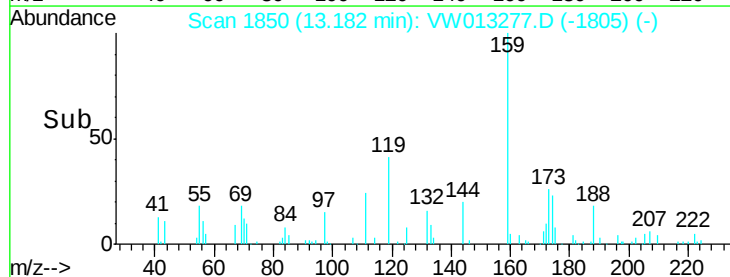
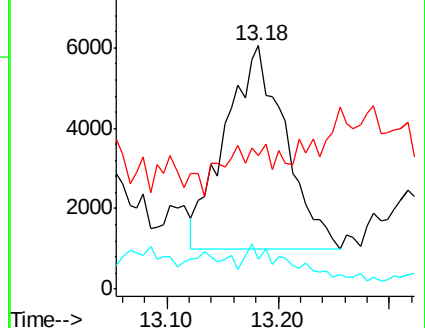
134 13.4 12.6 37.6

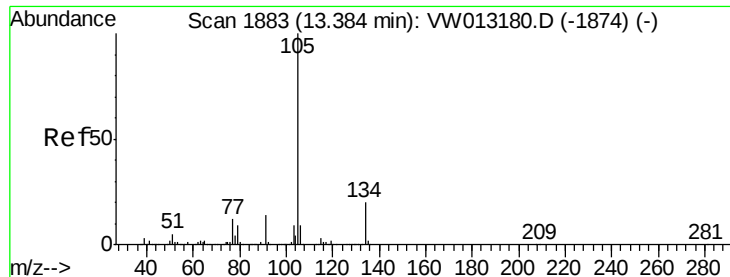


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V





#85
 sec-Butylbenzene
 Concen: 1.769 ug/l
 RT: 13.44 min Scan# 1893
 Delta R.T. 0.06 min
 Lab File: VW013277.D
 Acq: 24 Sep 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

Tgt Ion: 105 Resp: 24639
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#

