

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061019\
 Data File : VW010756.D
 Acq On : 10 Jun 2019 20:16
 Operator : SY/VA
 Sample : K3274-01
 Misc : 4.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11 0.5-1.0 060719

Quant Time: Jun 11 05:28:31 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	201067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145700	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	146421	61.78	ug/l	0.00
Spiked Amount			Recovery	=	123.56%	
35) Dibromofluoromethane	7.88	113	109471	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	
50) Toluene-d8	10.32	98	464243	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.62	95	168206	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	

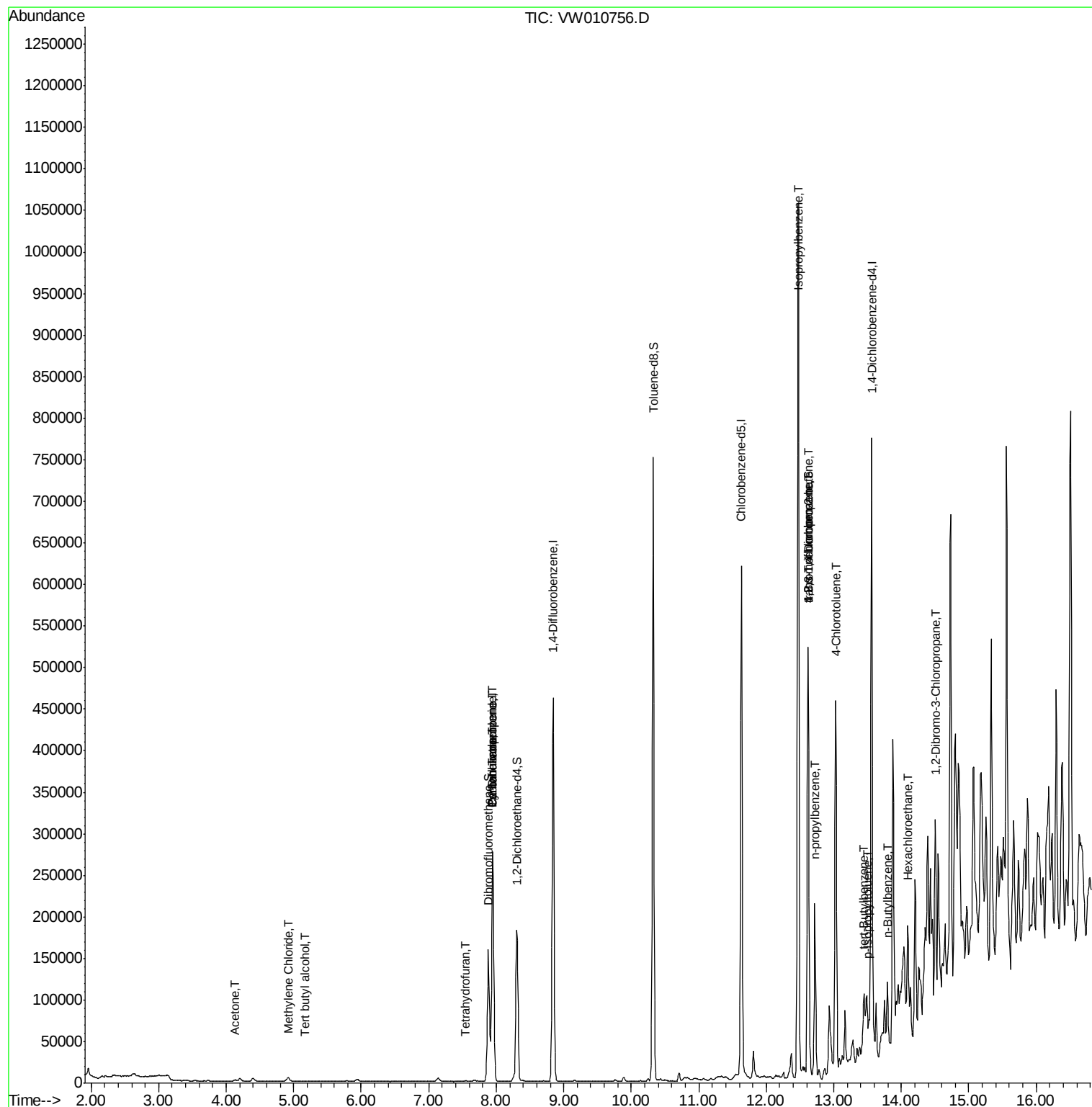
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	315	1.632	ug/l #	88
16) Acetone	4.14	43	4159	6.549	ug/l	93
20) Methylene Chloride	4.92	84	2984	1.339	ug/l	96
29) Tetrahydrofuran	7.54	42	818	1.477	ug/l #	63
31) Cyclohexane	7.95	56	5519	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18052	4.950	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20816	6.612	ug/l #	18
73) Isopropylbenzene	12.48	105	41436	3.785	ug/l #	61
76) 1,2,3-Trichloropropane	12.62	75	92207	60.264	ug/l #	100
78) n-propylbenzene	12.72	91	21217	1.607	ug/l #	54
81) trans-1,4-Dichloro-2-buten	12.62	75	92207	138.507	ug/l #	5
82) 4-Chlorotoluene	13.03	91	48167	6.188	ug/l #	43
83) tert-Butylbenzene	13.44	119	18570	2.442	ug/l	70
86) p-Isopropyltoluene	13.50	119	10773	1.088	ug/l	96
89) n-Butylbenzene	13.79	91	11771	1.191	ug/l #	1
90) Hexachloroethane	14.10	117	4190	2.363	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.51	75	507	1.416	ug/l #	32

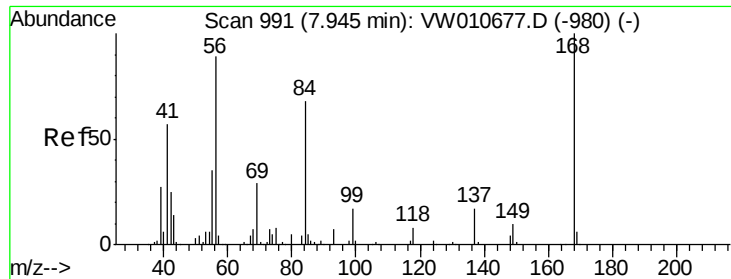
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW061019\
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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: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

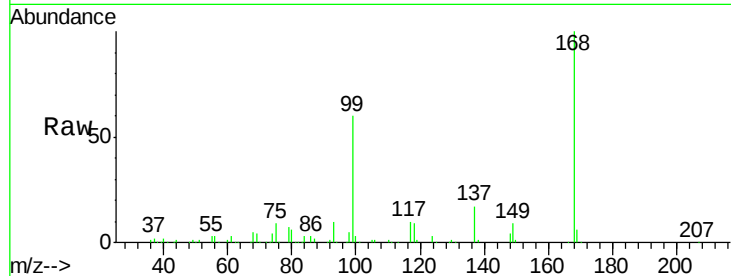
SB-11 0.5-1.0 060719

Tgt Ion: 168 Resp: 201067

Ion Ratio Lower Upper

168 100

99 60.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

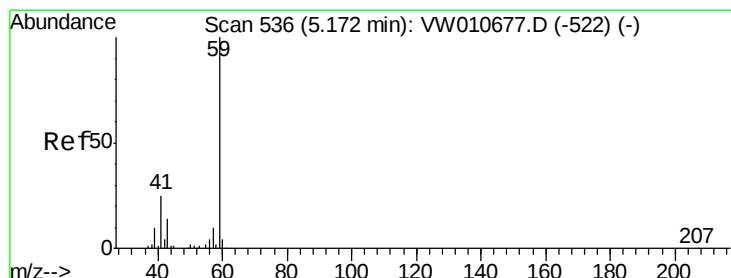
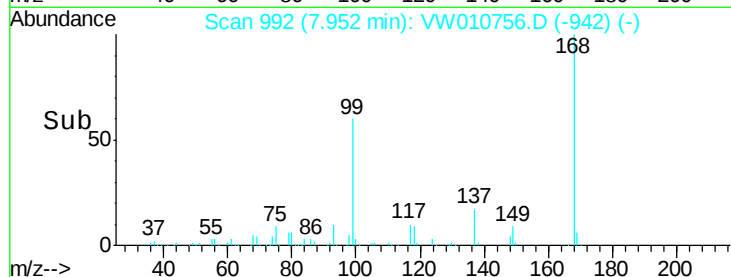
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.632 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW010756.D

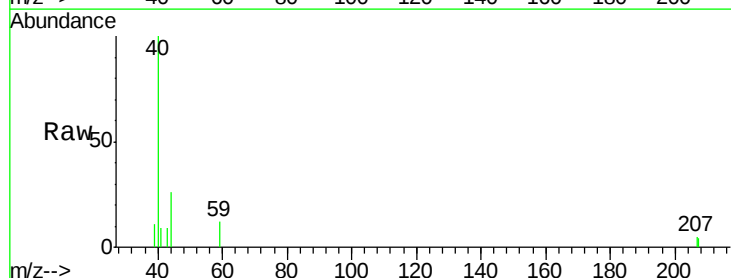
Acq: 10 Jun 2019 20:16

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

59 100

57 6.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

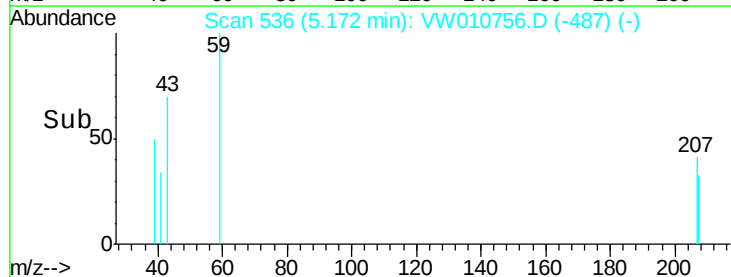
150

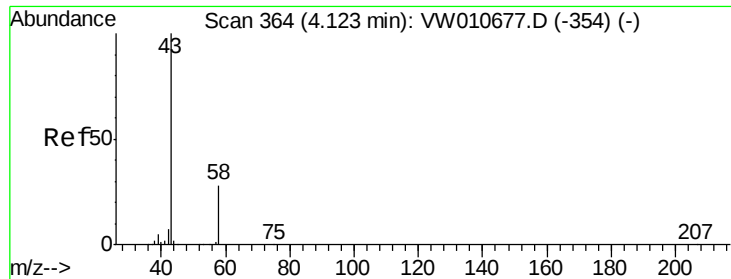
100

50

0

Time-->





#16

Acetone

Concen: 6.549 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

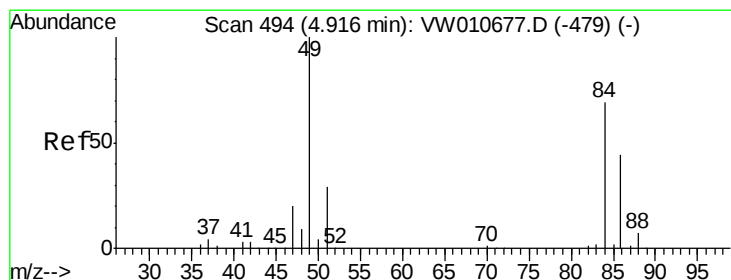
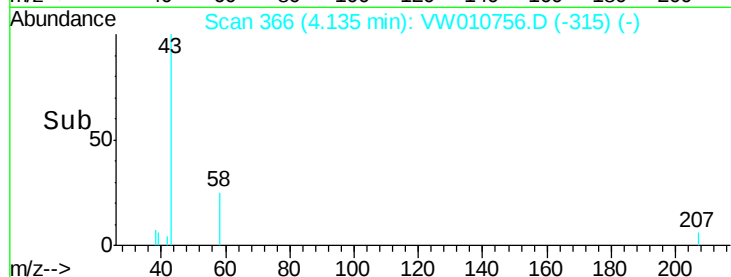
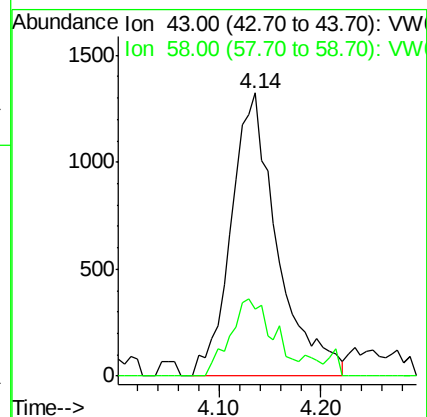
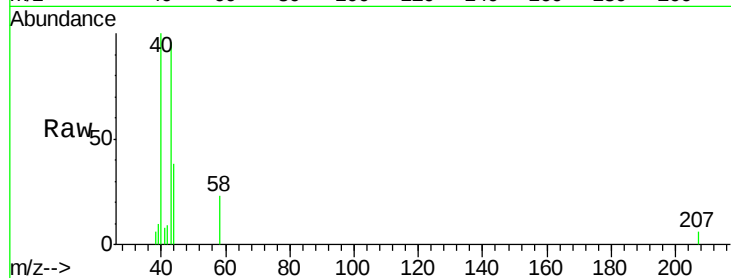
SB-11 0.5-1.0 060719

Tgt Ion: 43 Resp: 4159

Ion Ratio Lower Upper

43 100

58 23.7 22.1 33.1



#20

Methylene Chloride

Concen: 1.339 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Tgt Ion: 84 Resp: 2984

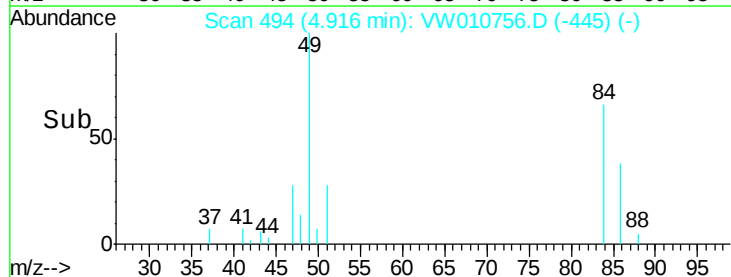
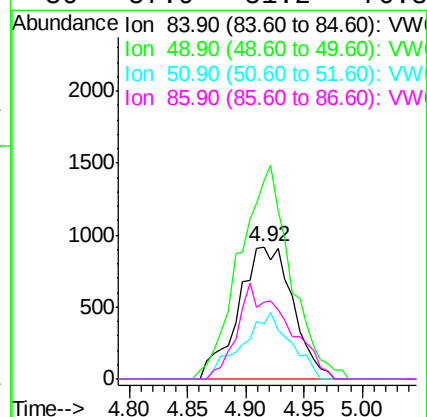
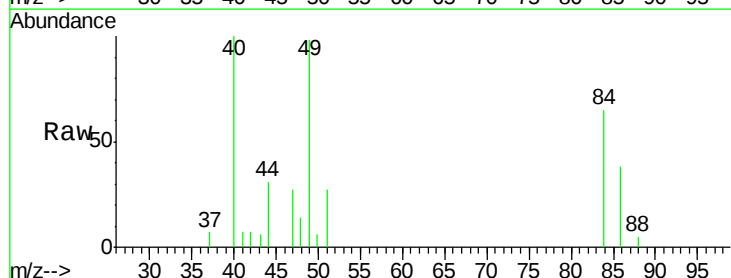
Ion Ratio Lower Upper

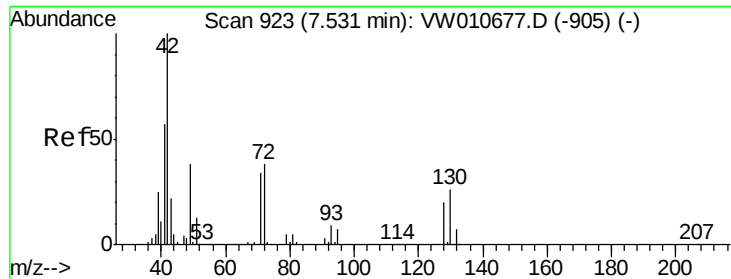
84 100

49 150.5 116.7 175.1

51 41.4 34.2 51.2

86 57.9 51.2 76.8

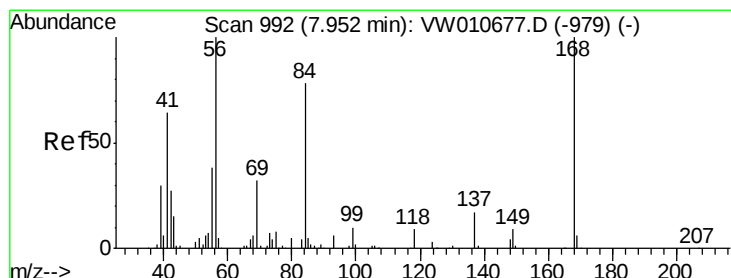
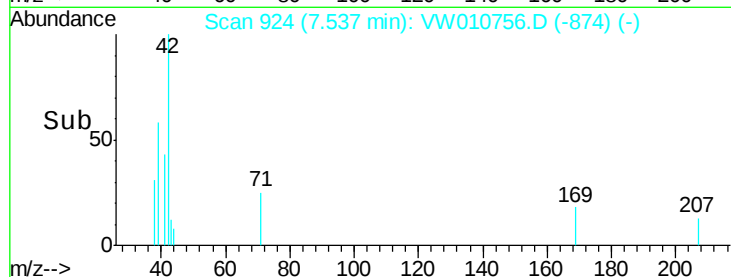
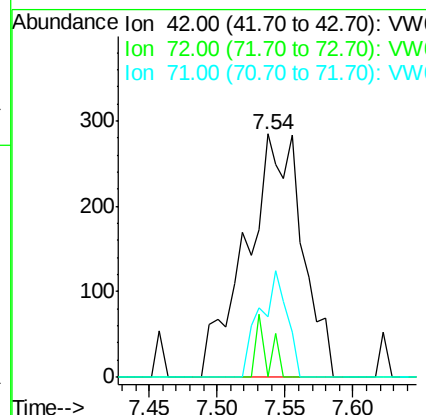
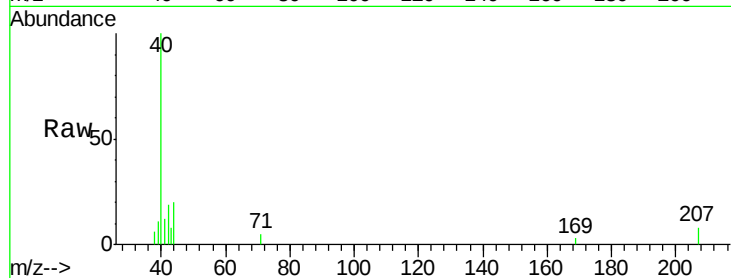




#29
Tetrahydrofuran
Concen: 1.477 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

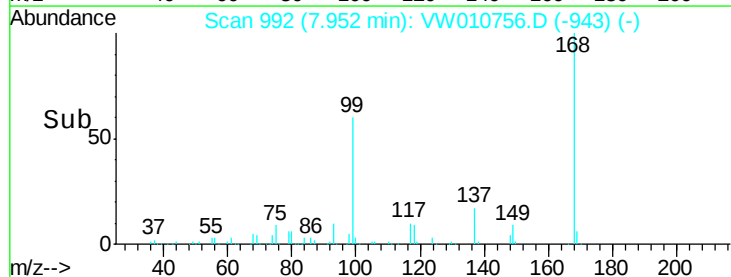
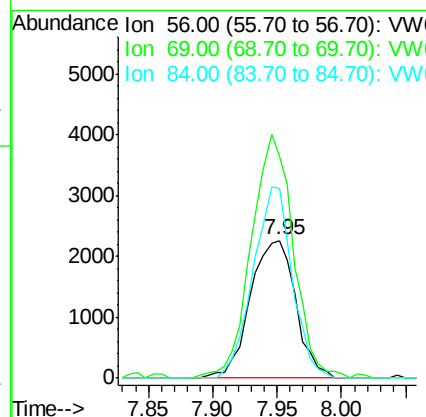
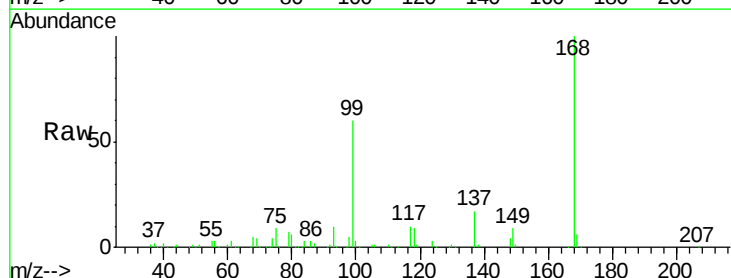
Instrument :
MSVOA_W
ClientSampleId :
SB-11 0.5-1.0 060719

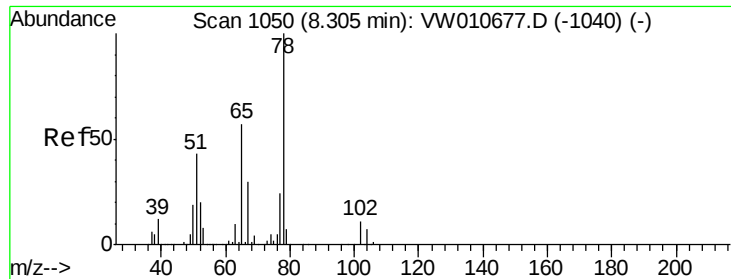
Tgt Ion: 42 Resp: 818
Ion Ratio Lower Upper
42 100
72 5.5 28.7 43.1#
71 21.3 26.6 39.8#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion: 56 Resp: 5519
Ion Ratio Lower Upper
56 100
69 161.1 25.2 37.8#
84 137.9 62.2 93.2#





#33

1,2-Dichloroethane-d4

Concen: 61.783 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

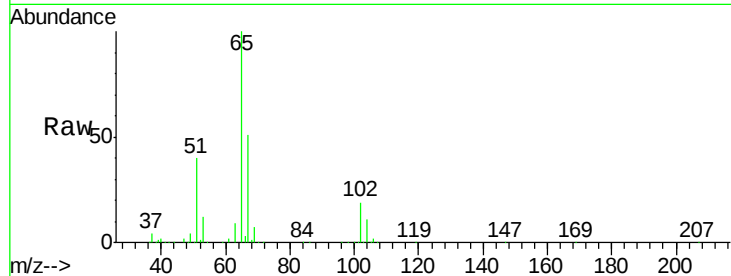
SB-11 0.5-1.0 060719

Tgt Ion: 65 Resp: 146421

Ion Ratio Lower Upper

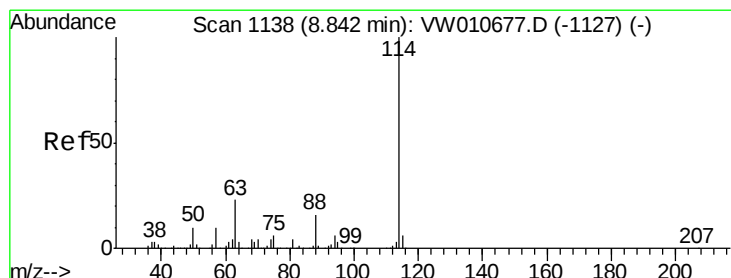
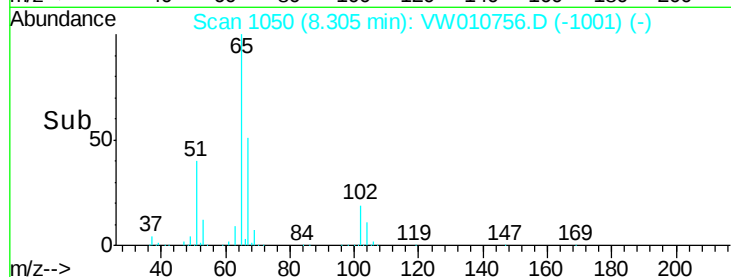
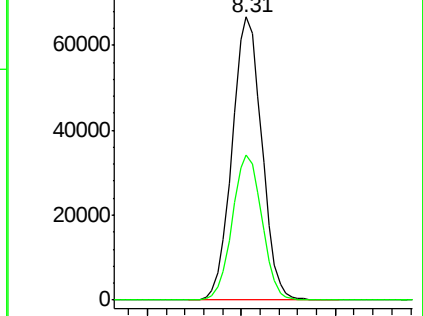
65 100

67 51.4 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: VW010756.D

Acq: 10 Jun 2019 20:16

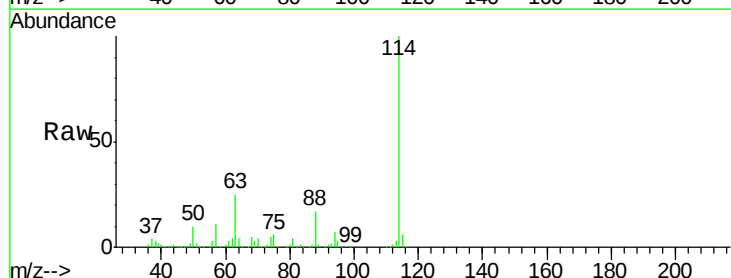
Tgt Ion: 114 Resp: 356255

Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.4

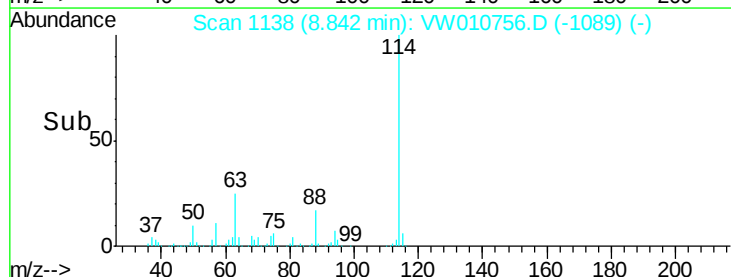
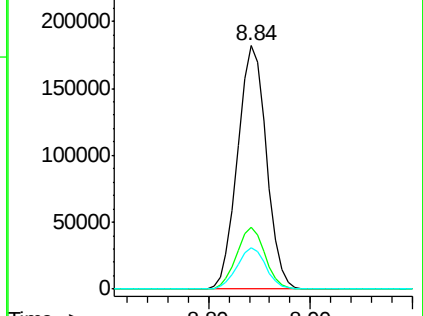
88 16.9 0.0 32.2

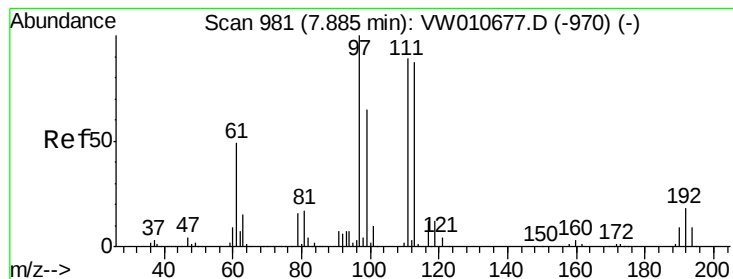


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 56.613 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

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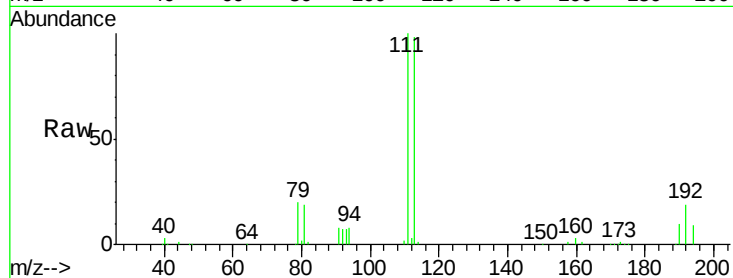
Tgt Ion:113 Resp: 109471

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

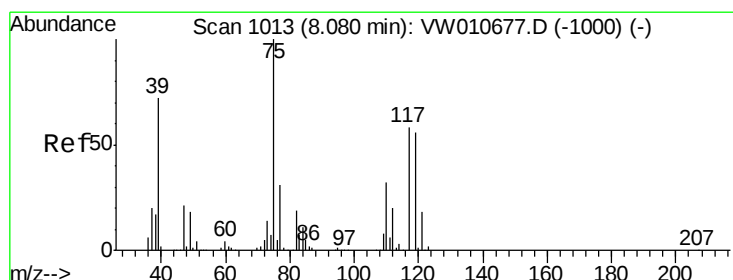
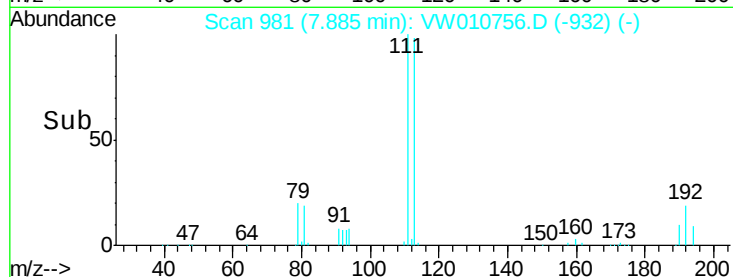
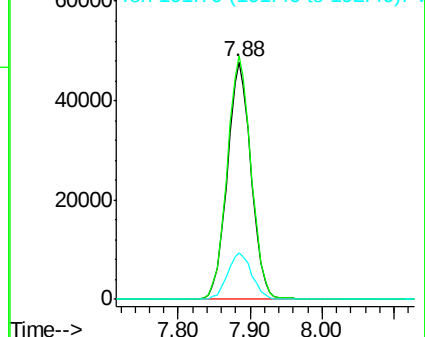
192 20.0 16.4 24.6



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: 4.950 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

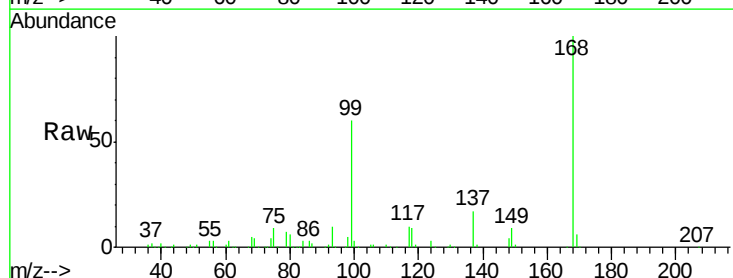
Tgt Ion: 75 Resp: 18052

Ion Ratio Lower Upper

75 100

110 8.4 15.8 47.3#

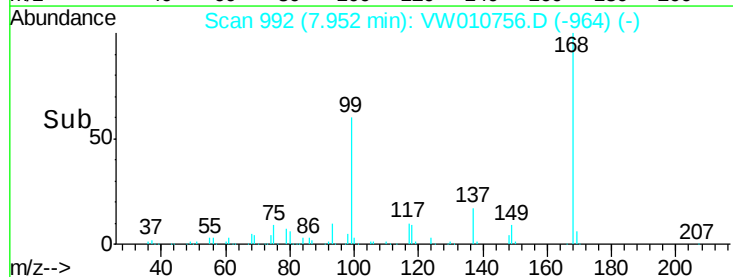
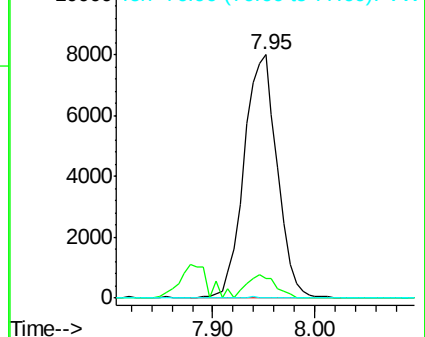
77 0.1 24.7 37.1#

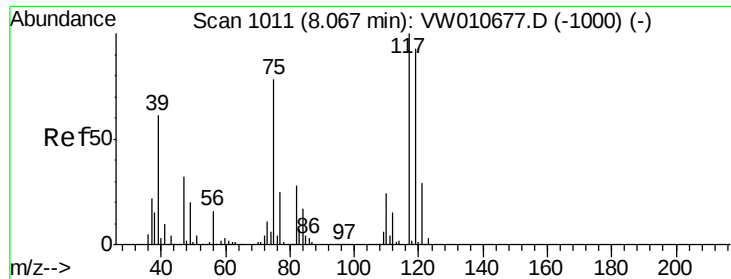


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

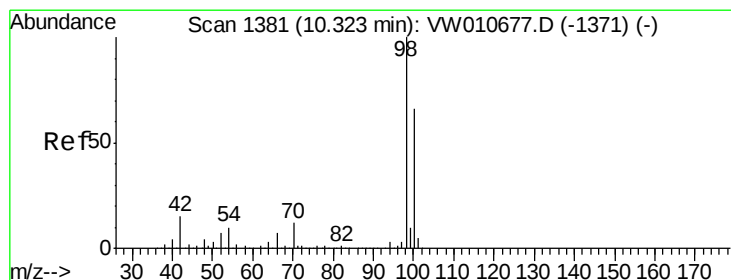
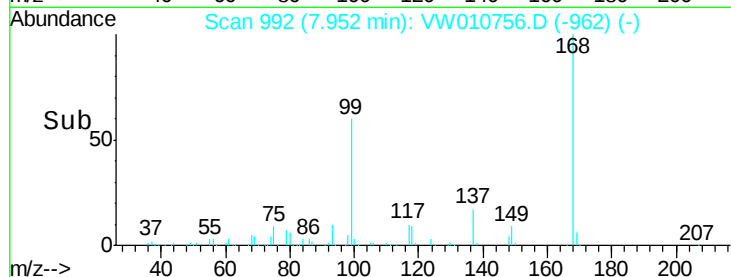
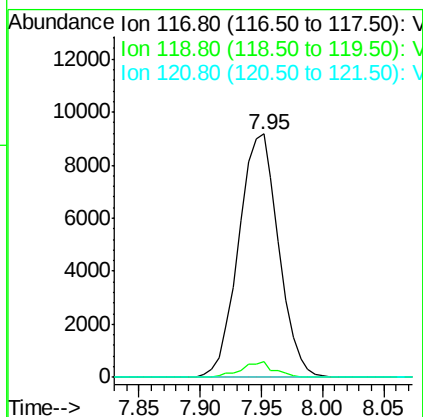
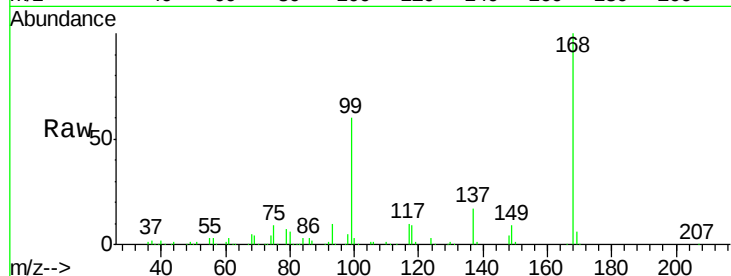




#38
Carbon Tetrachloride
Concen: 6.612 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

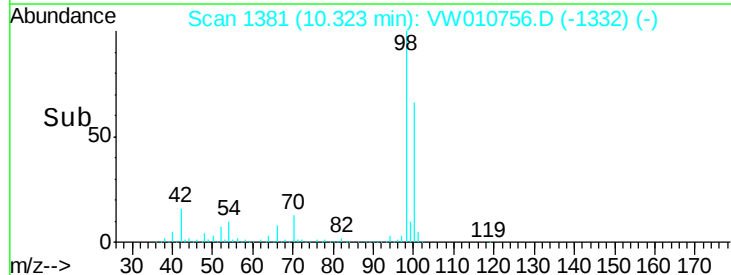
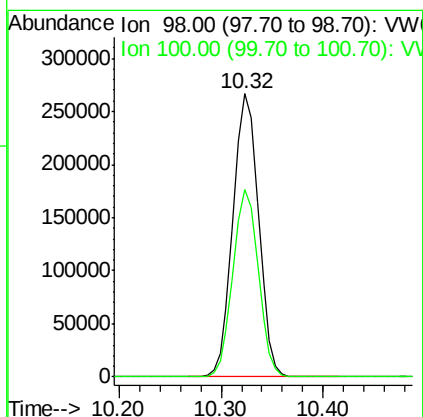
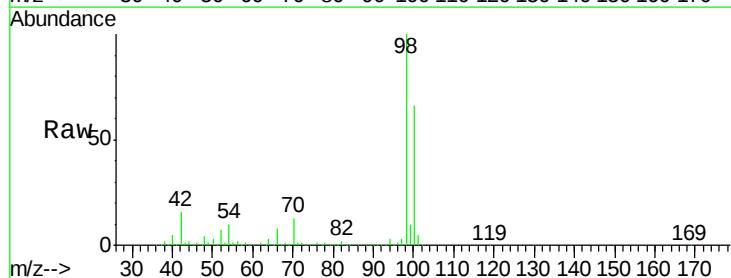
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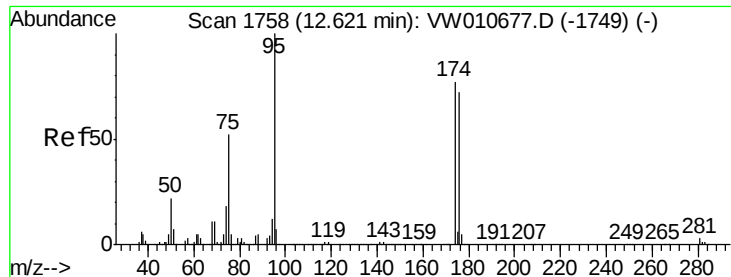
Tgt Ion: 117 Resp: 20816
Ion Ratio Lower Upper
117 100
119 6.4 74.2 111.4#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 54.750 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion: 98 Resp: 464243
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

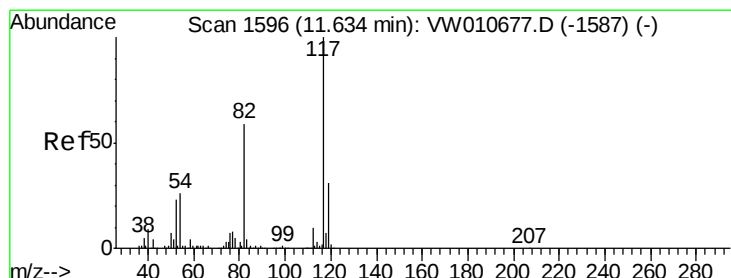
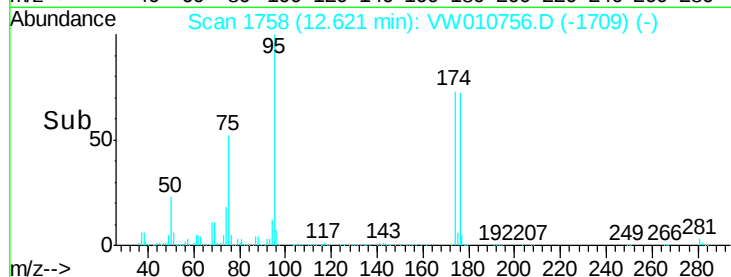
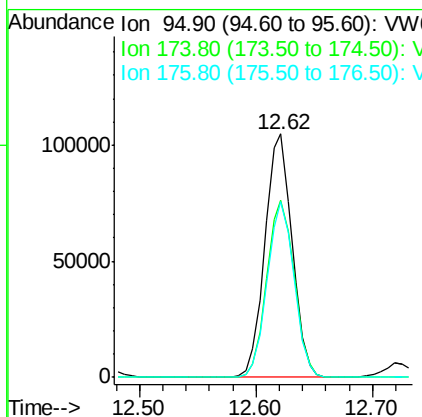
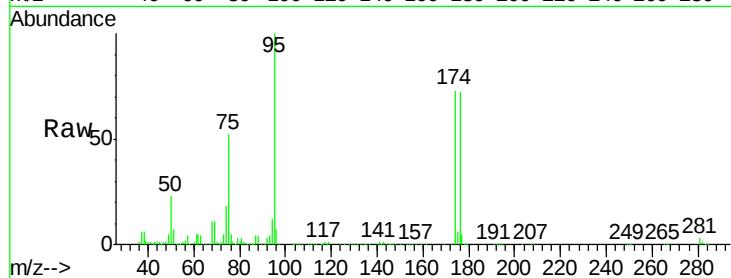




#62
4-Bromofluorobenzene
Concen: 54.514 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

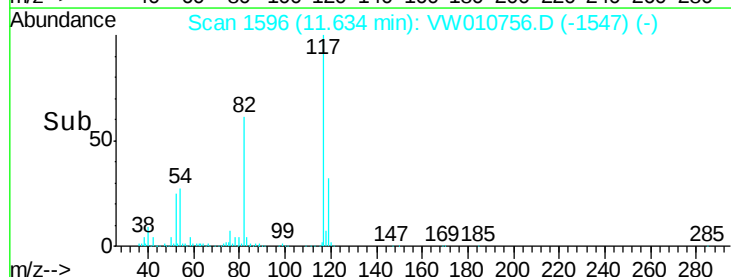
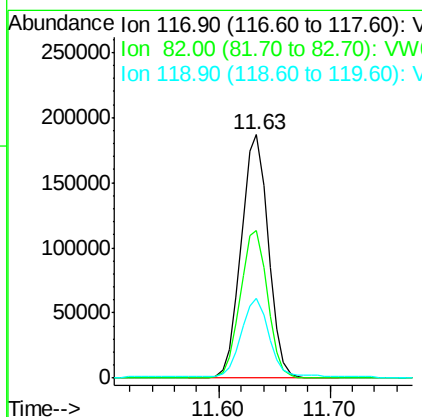
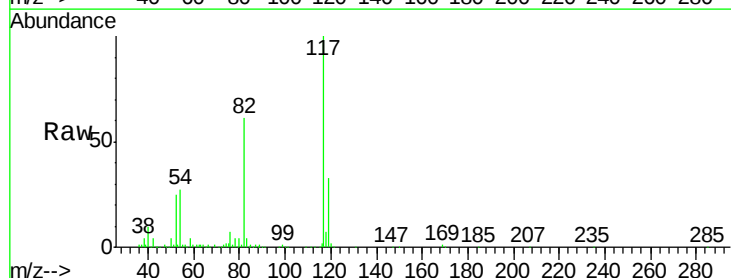
Instrument :
MSVOA_W
ClientSampleId :
SB-11 0.5-1.0 060719

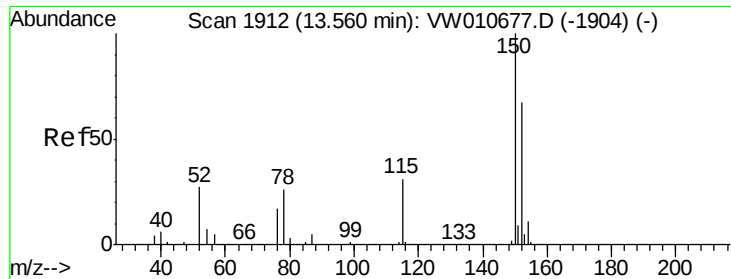
Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.4
176	71.6	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.0	70.4
119	32.3	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: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

SB-11 0.5-1.0 060719

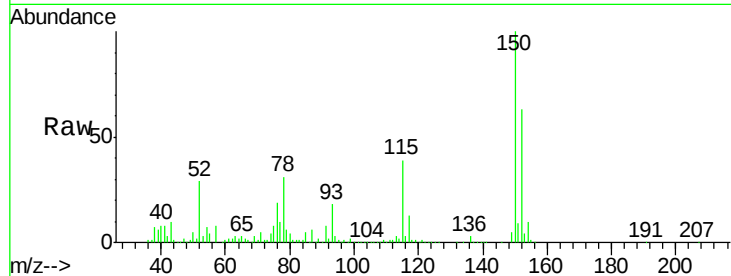
Tgt Ion:152 Resp: 145700

Ion Ratio Lower Upper

152 100

115 61.6 29.8 89.3

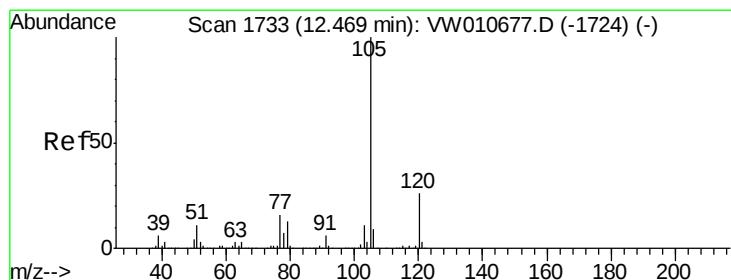
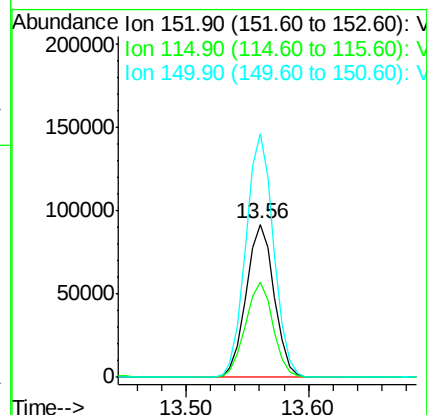
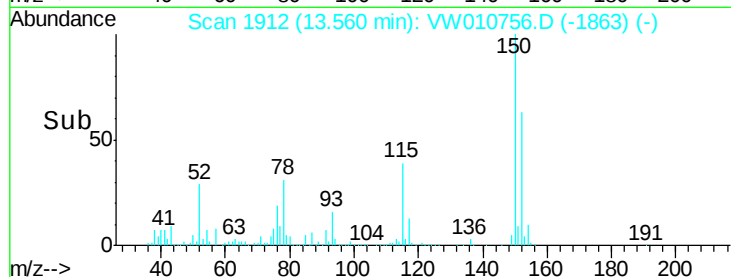
150 157.7 0.0 345.0



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



#73

Isopropylbenzene

Concen: 3.785 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW010756.D

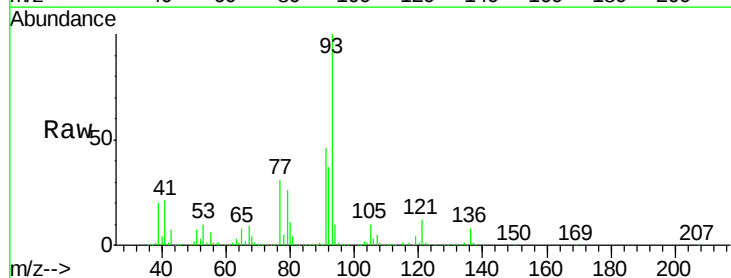
Acq: 10 Jun 2019 20:16

Tgt Ion:105 Resp: 41436

Ion Ratio Lower Upper

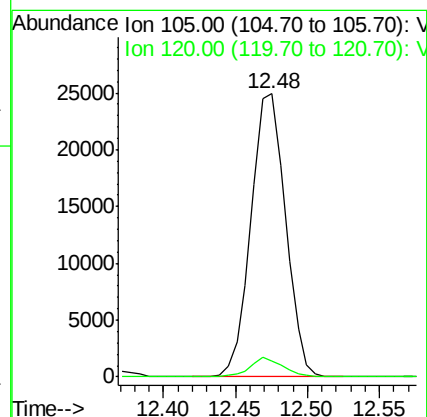
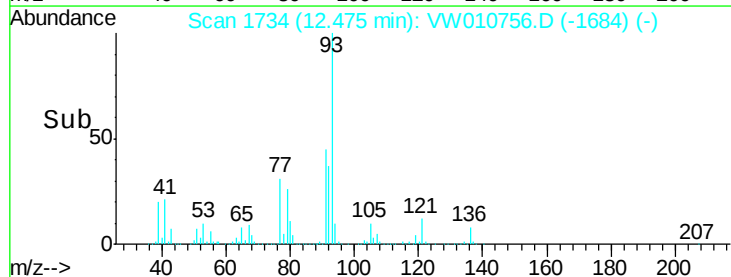
105 100

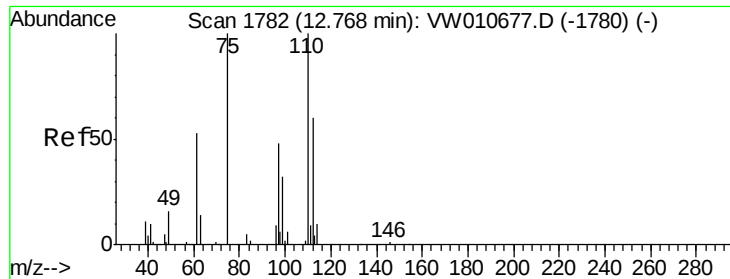
120 6.4 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 60.264 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

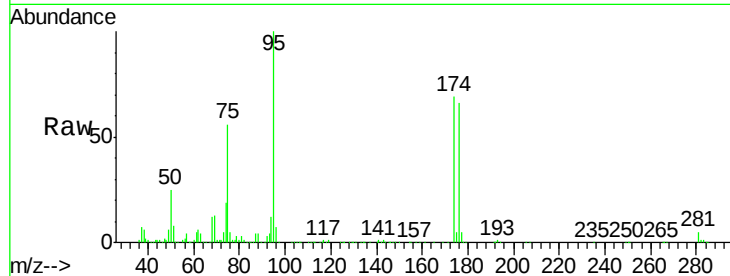
SB-11 0.5-1.0 060719

Tgt Ion: 75 Resp: 92207

Ion Ratio Lower Upper

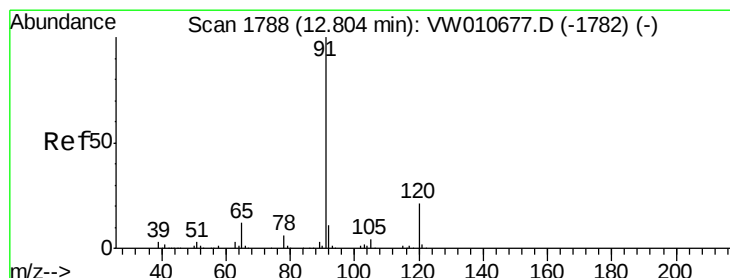
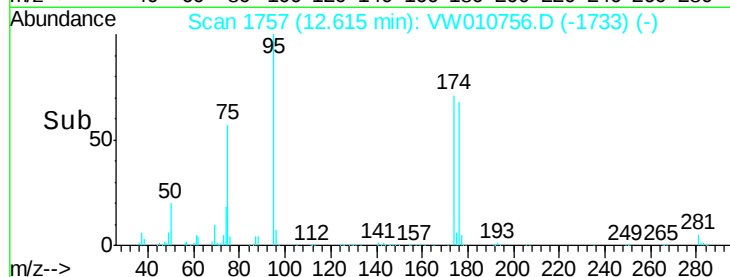
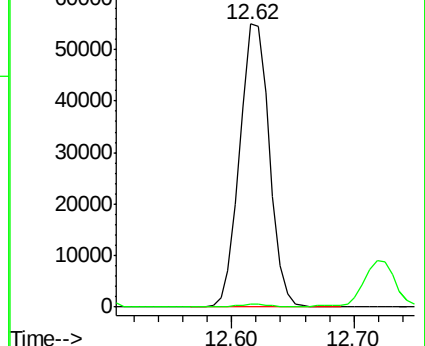
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 1.607 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.09 min

Lab File: VW010756.D

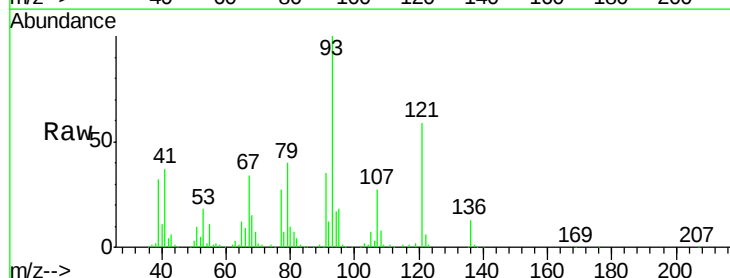
Acq: 10 Jun 2019 20:16

Tgt Ion: 91 Resp: 21217

Ion Ratio Lower Upper

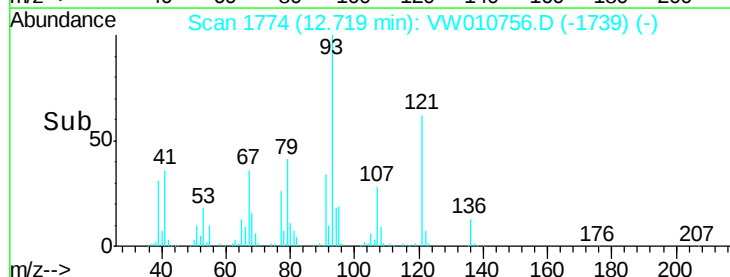
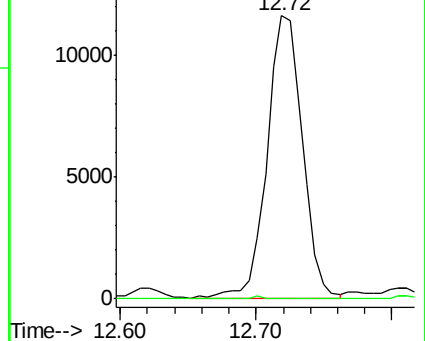
91 100

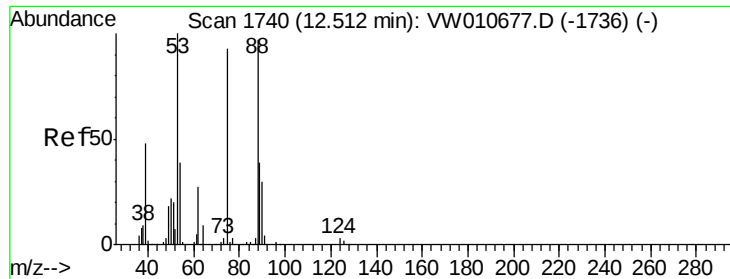
120 0.0 10.8 32.4#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

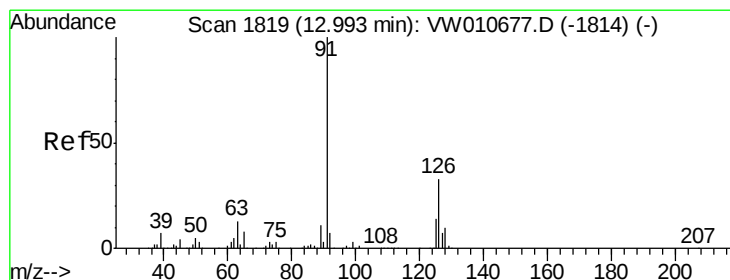
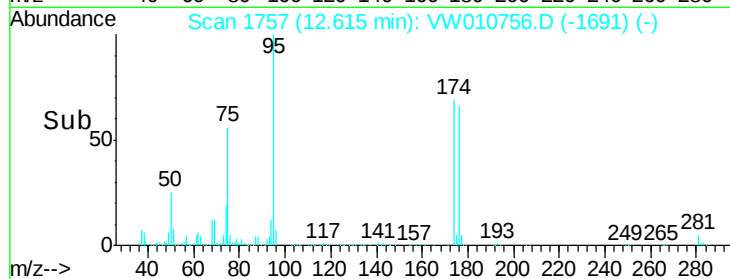
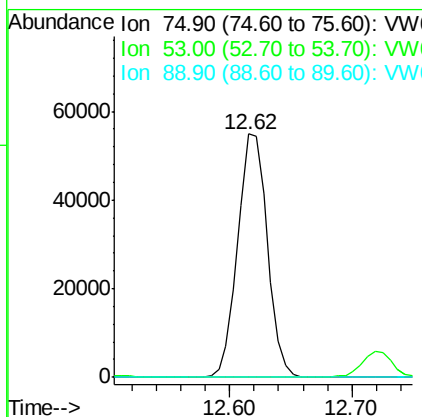
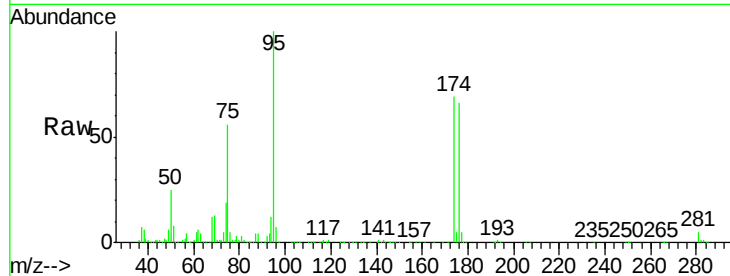




#81
trans-1,4-Dichloro-2-butene
Concen: 138.507 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

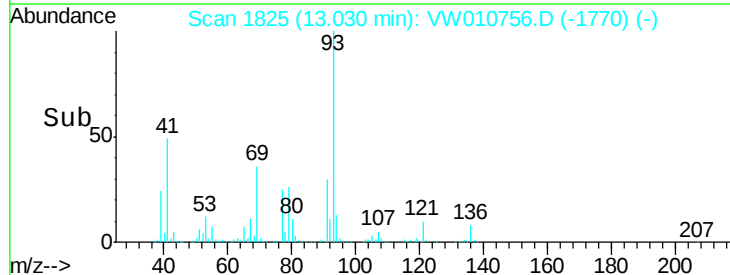
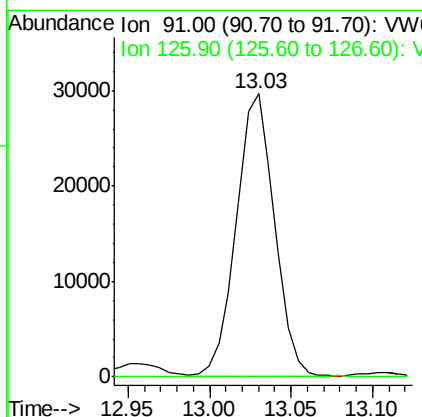
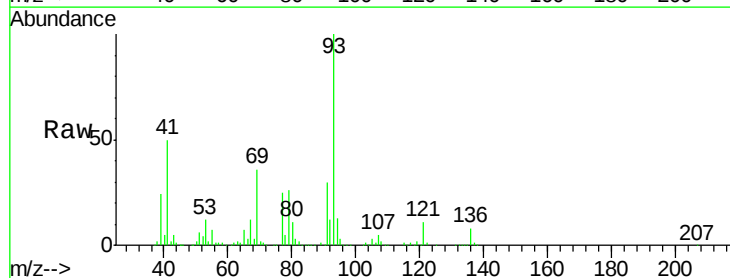
Instrument :
MSVOA_W
ClientSampleId :
SB-11 0.5-1.0 060719

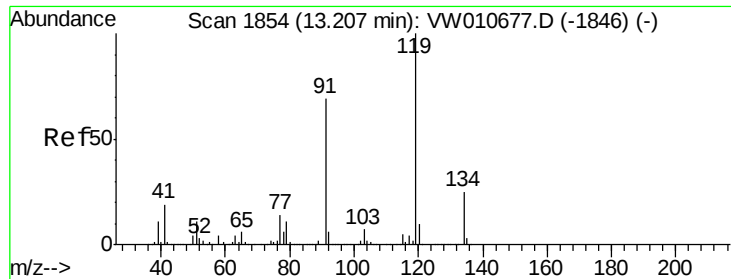
Tgt Ion: 75 Resp: 92207
Ion Ratio Lower Upper
75 100
53 0.0 90.1 135.1#
89 0.0 34.6 52.0#



#82
4-Chlorotoluene
Concen: 6.188 ug/l
RT: 13.03 min Scan# 1825
Delta R.T. 0.04 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion: 91 Resp: 48167
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#

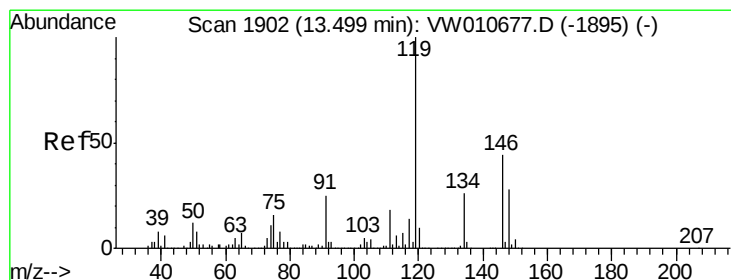
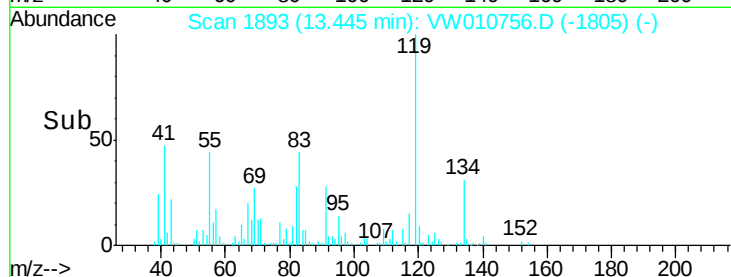
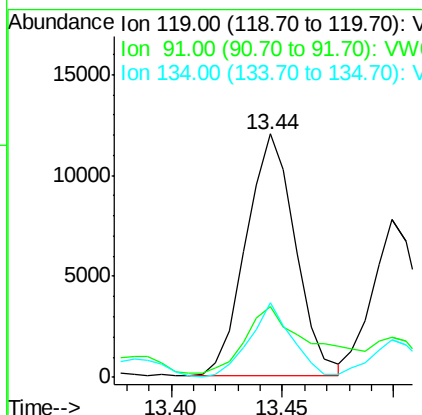
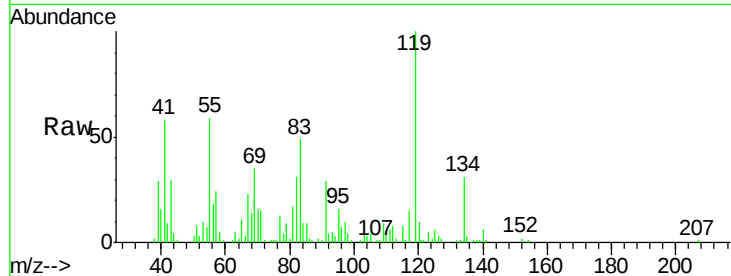




#83
tert-Butylbenzene
Concen: 2.442 ug/l
RT: 13.44 min Scan# 1893
Delta R.T. 0.24 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

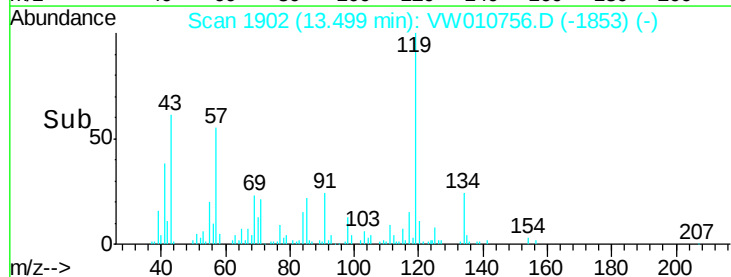
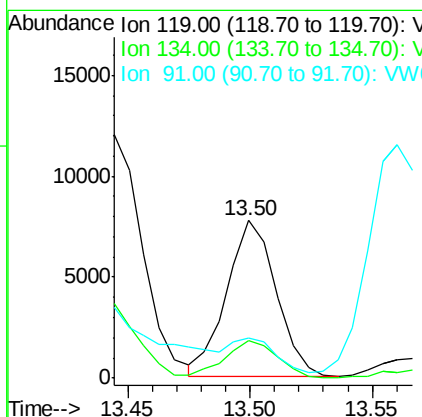
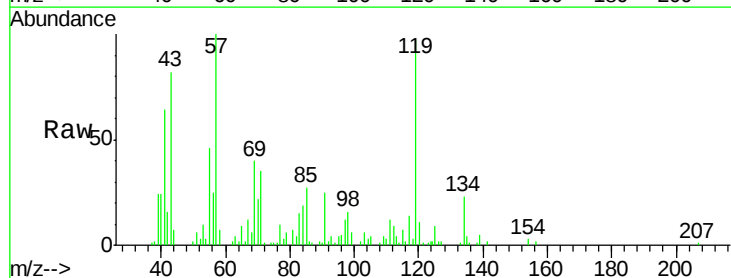
Instrument :
MSVOA_W
ClientSampleId :
SB-11 0.5-1.0 060719

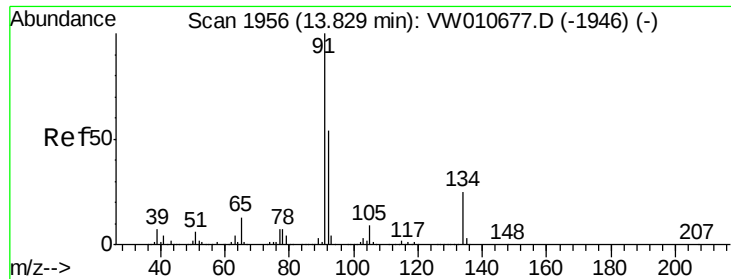
Tgt Ion:119 Resp: 18570
Ion Ratio Lower Upper
119 100
91 36.0 35.1 105.3
134 26.6 13.6 40.7



#86
p-Isopropyltoluene
Concen: 1.088 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion:119 Resp: 10773
Ion Ratio Lower Upper
119 100
134 25.9 13.0 39.0
91 20.0 12.2 36.4

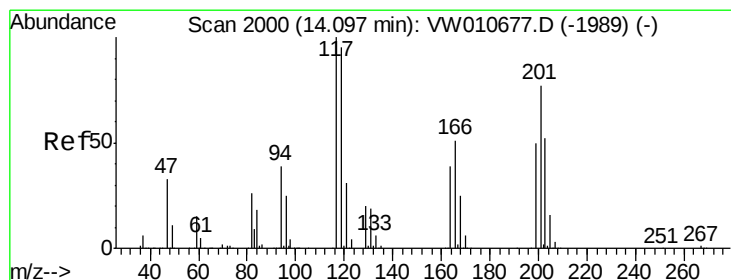
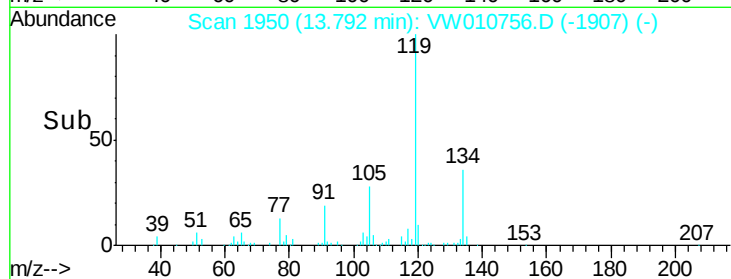
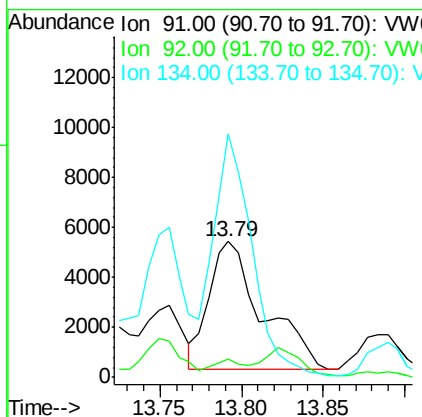
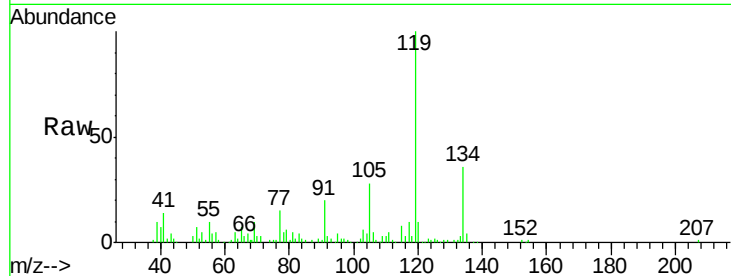




#89
n-Butylbenzene
Concen: 1.191 ug/l
RT: 13.79 min Scan# 1950
Delta R.T. -0.04 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

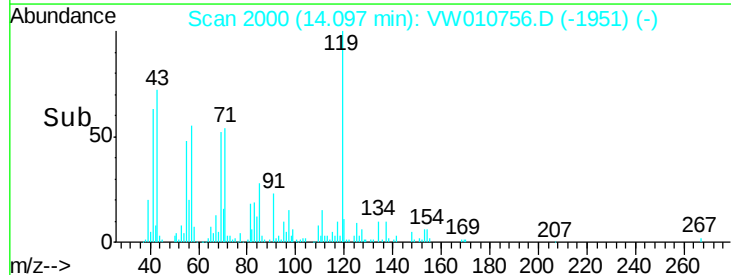
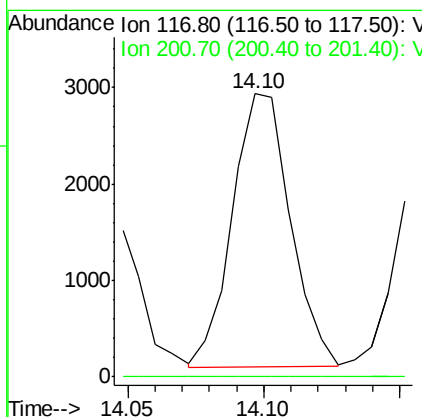
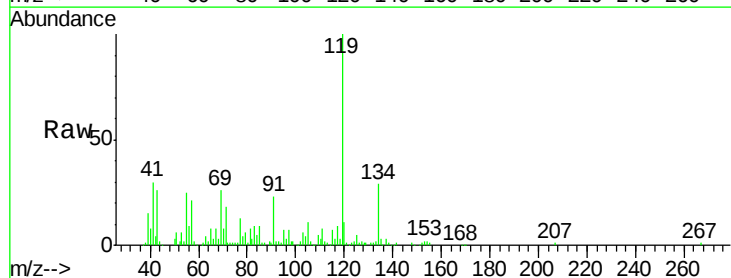
Instrument :
MSVOA_W
ClientSampleId :
SB-11 0.5-1.0 060719

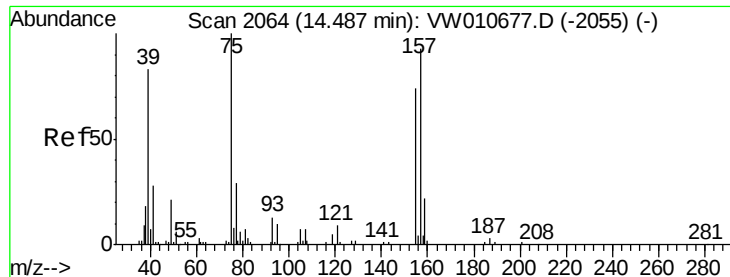
Tgt Ion: 91 Resp: 11771
Ion Ratio Lower Upper
91 100
92 6.1 27.3 81.8#
134 133.4 12.3 36.9#



#90
Hexachloroethane
Concen: 2.363 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010756.D
Acq: 10 Jun 2019 20:16

Tgt Ion: 117 Resp: 4190
Ion Ratio Lower Upper
117 100
201 0.0 38.8 116.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.416 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW010756.D

Acq: 10 Jun 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

SB-11 0.5-1.0 060719

Tgt Ion: 75 Resp: 507

Ion Ratio Lower Upper

75 100

155 52.1 38.8 116.4

157 0.0 48.4 145.0#

