

Data File : VW010780.D
Acq On : 12 Jun 2019 16:10
Operator : SY/VA
Sample : K3303-06
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BAT-B13

Quant Time: Jun 13 07:38:02 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	199151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141692	60.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.72%	
35) Dibromofluoromethane	7.88	113	105743	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	459941	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.62	95	154492	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

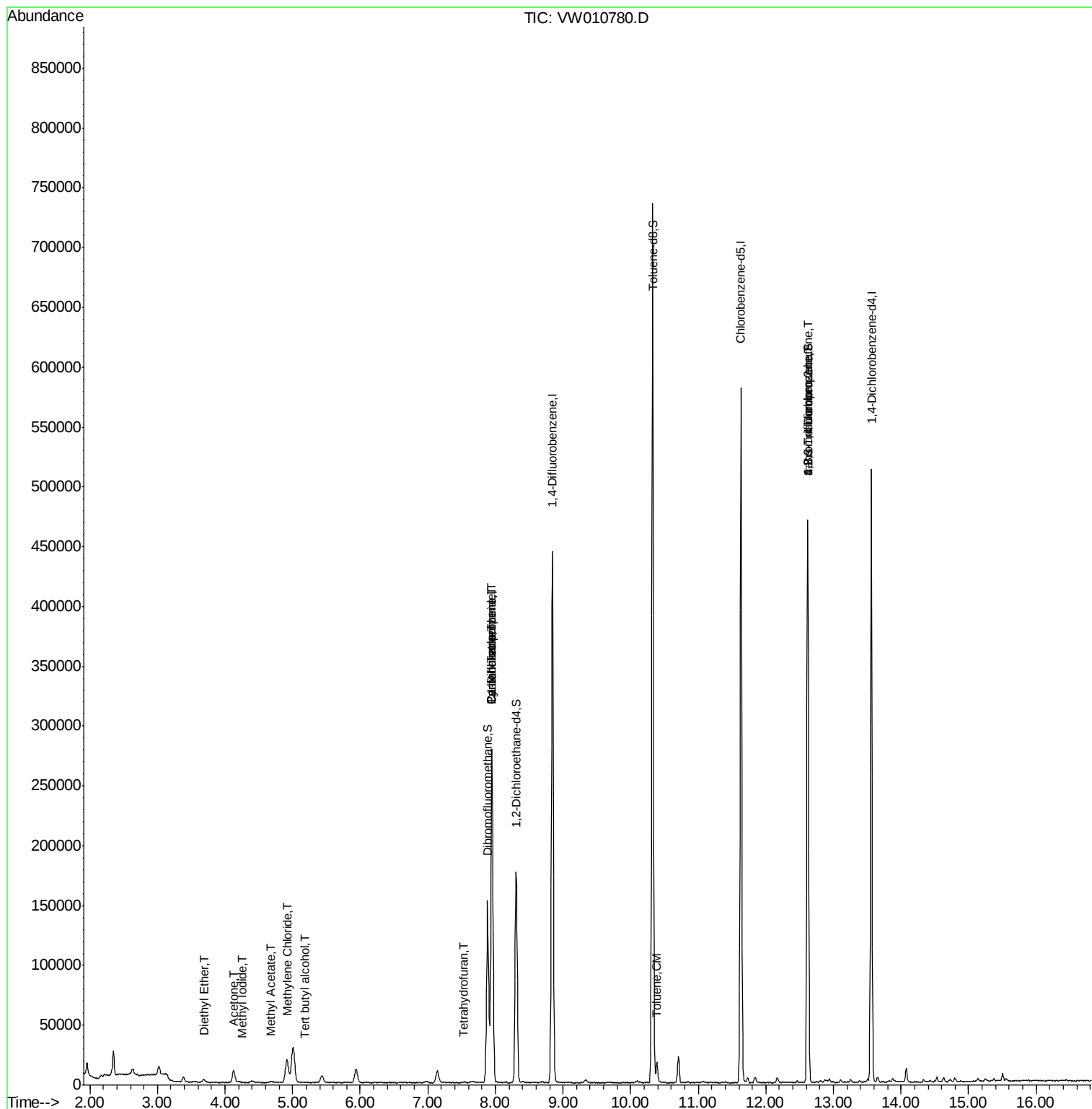
						Qvalue
8) Diethyl Ether	3.69	74	1190	1.025	ug/l	84
10) Methyl Iodide	4.26	142	140	4.860	ug/l #	41
11) Tert butyl alcohol	5.19	59	232	1.213	ug/l #	72
16) Acetone	4.12	43	18503	29.418	ug/l	94
18) Methyl Acetate	4.68	43	2852	2.106	ug/l	94
20) Methylene Chloride	4.92	84	13062	5.920	ug/l	98
29) Tetrahydrofuran	7.52	42	753	1.373	ug/l #	44
31) Cyclohexane	7.95	56	6044	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17503	4.909	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20998	6.823	ug/l #	17
52) Toluene	10.38	92	6629	1.108	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	84355	65.324	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84355	150.135	ug/l #	5

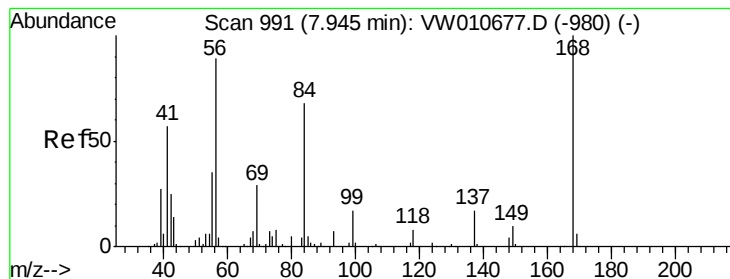
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

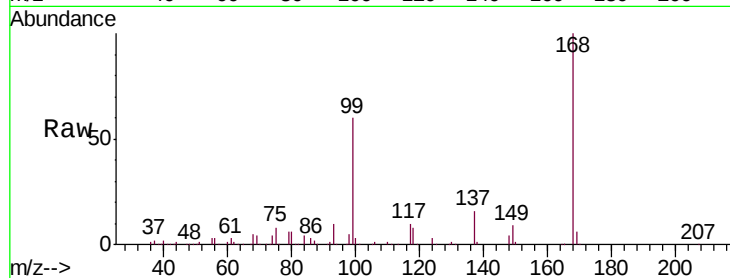
BAT-B13

Tgt Ion:168 Resp: 199151

Ion Ratio Lower Upper

168 100

99 59.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

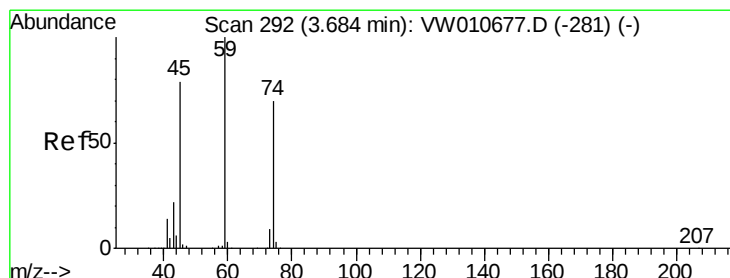
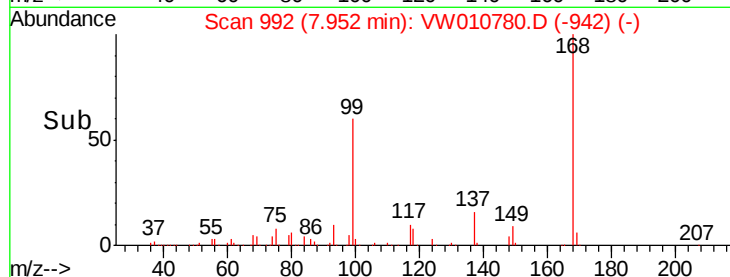
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.025 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW010780.D

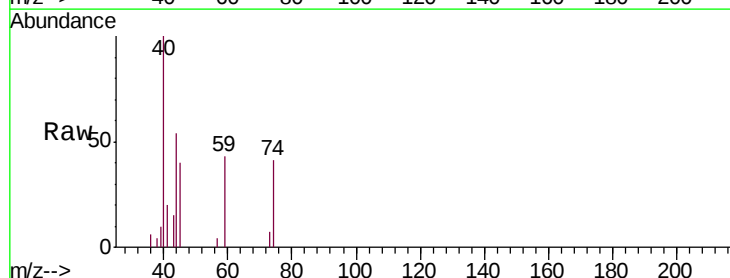
Acq: 12 Jun 2019 16:10

Tgt Ion: 74 Resp: 1190

Ion Ratio Lower Upper

74 100

45 131.5 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

600

500

400

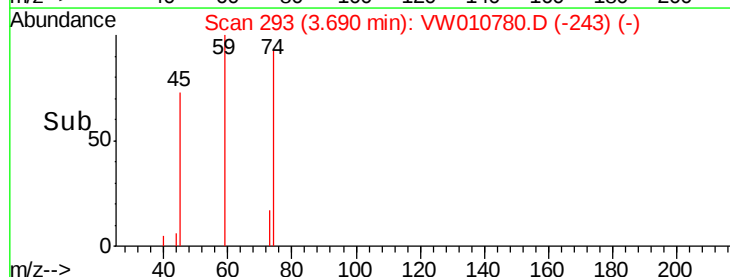
300

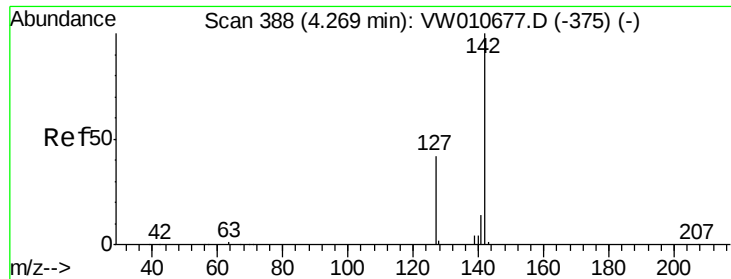
200

100

0

Time--> 3.60 3.65 3.70 3.75

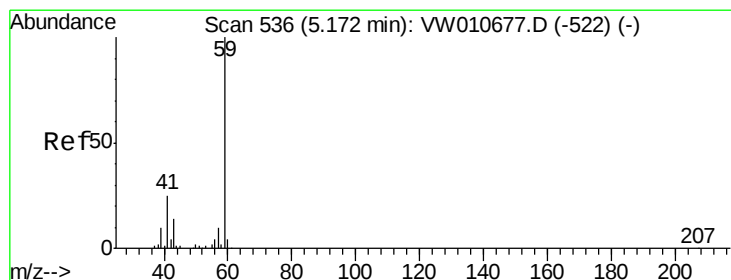
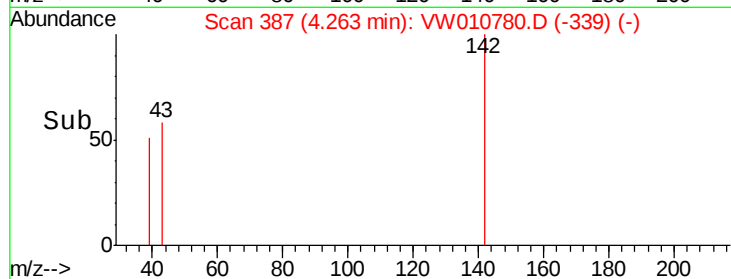
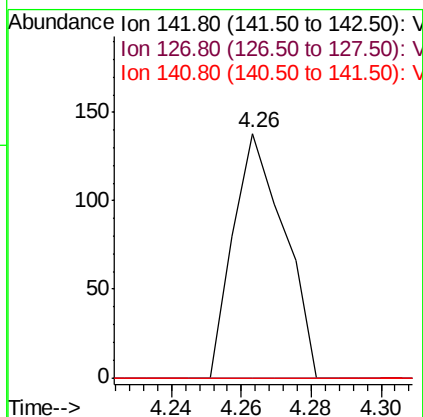
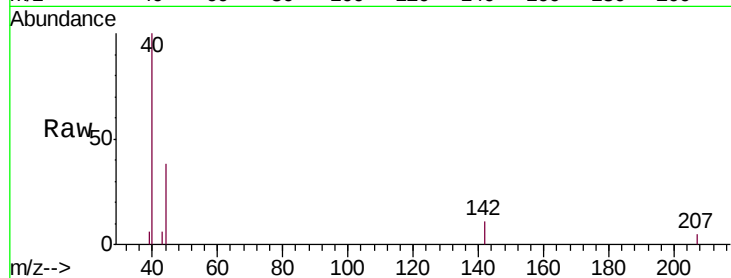




#10
Methyl Iodide
Concen: 4.860 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.01 min
Lab File: VW010780.D
Acq: 12 Jun 2019 16:10

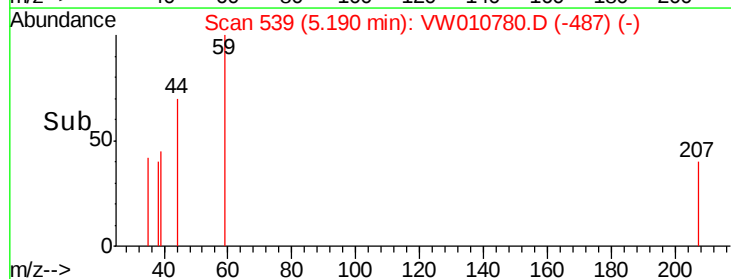
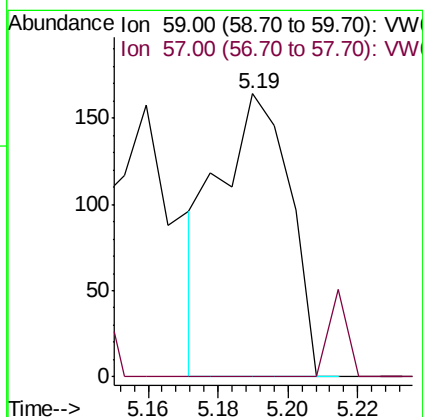
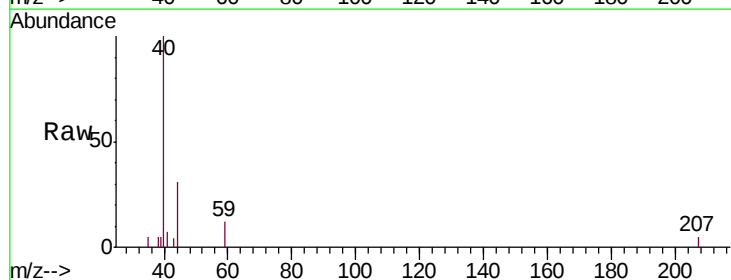
Instrument :
MSVOA_W
ClientSampled :
BAT-B13

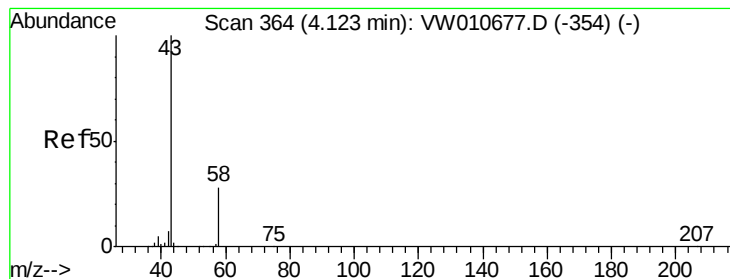
Tgt Ion: 142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 34.6 51.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.213 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW010780.D
Acq: 12 Jun 2019 16:10

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 29.418 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

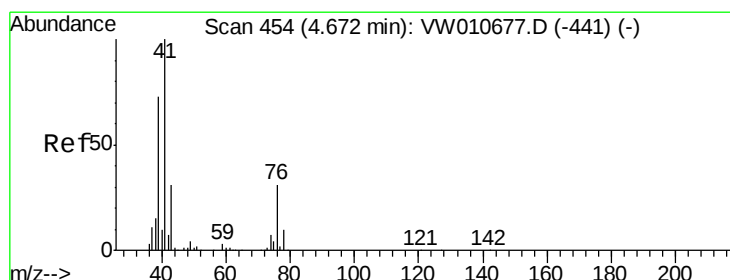
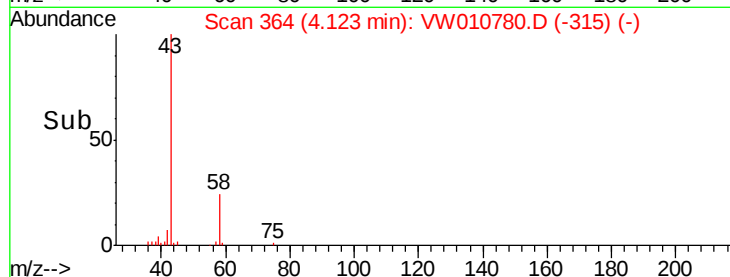
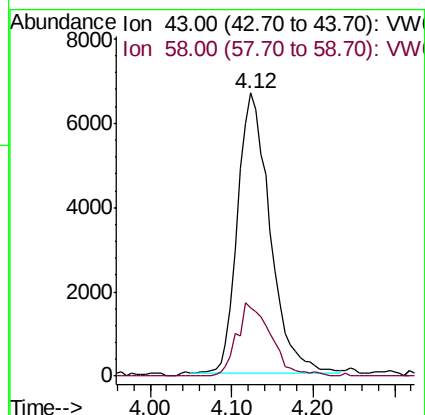
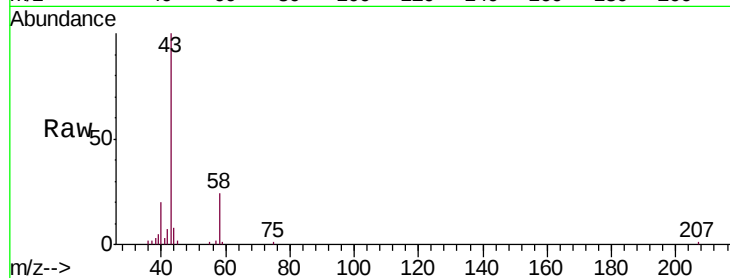
BAT-B13

Tgt Ion: 43 Resp: 18503

Ion Ratio Lower Upper

43 100

58 24.4 22.1 33.1



#18

Methyl Acetate

Concen: 2.106 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010780.D

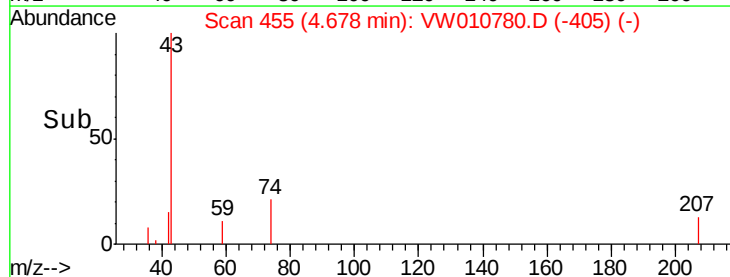
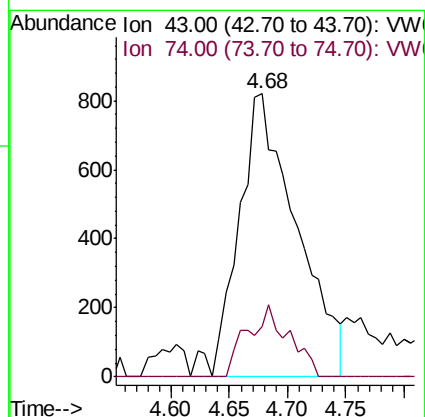
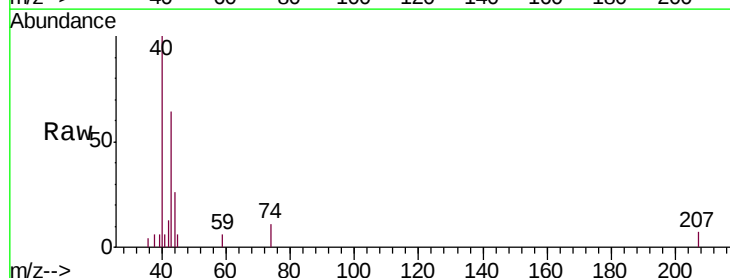
Acq: 12 Jun 2019 16:10

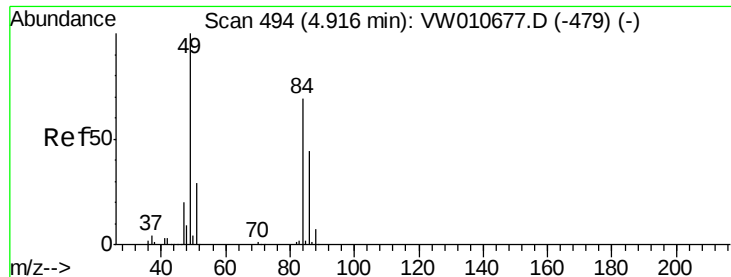
Tgt Ion: 43 Resp: 2852

Ion Ratio Lower Upper

43 100

74 18.1 16.7 25.1

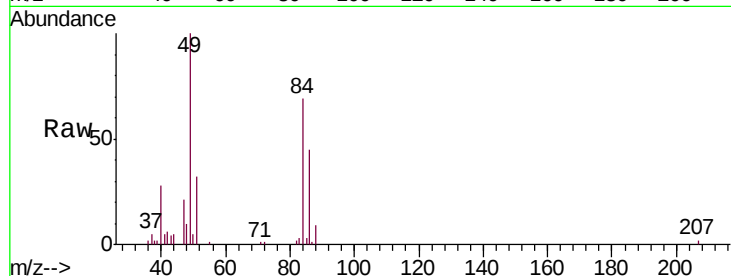




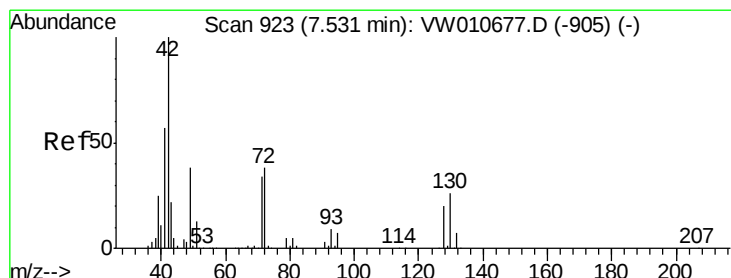
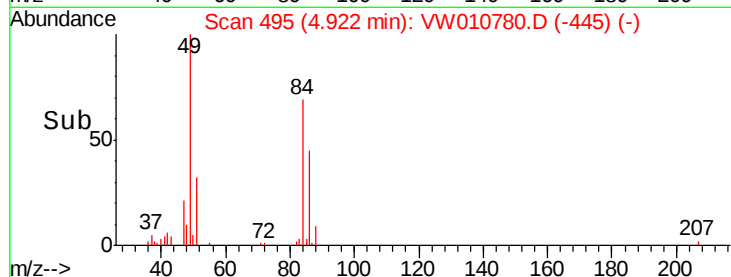
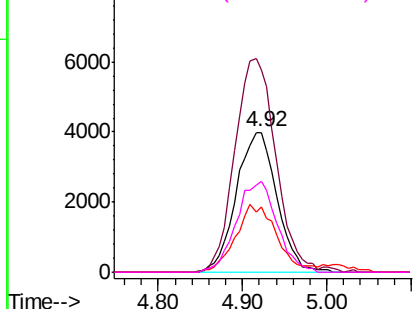
#20
Methylene Chloride
Concen: 5.920 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010780.D
Acq: 12 Jun 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
BAT-B13

Tgt Ion:	84	Resp:	13062
Ion	Ratio	Lower	Upper
84	100		
49	144.8	116.7	175.1
51	46.4	34.2	51.2
86	65.3	51.2	76.8

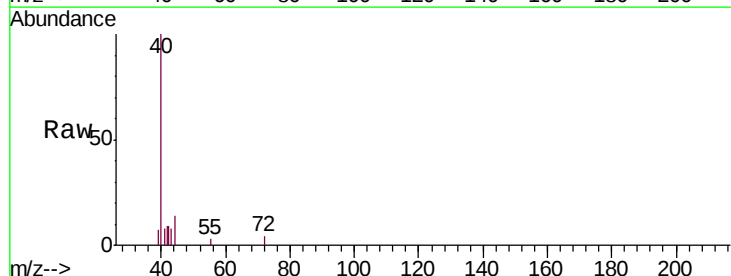


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

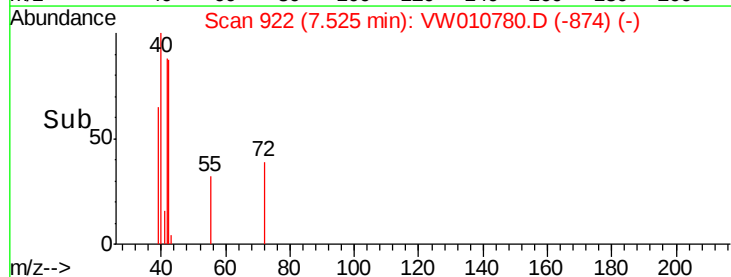
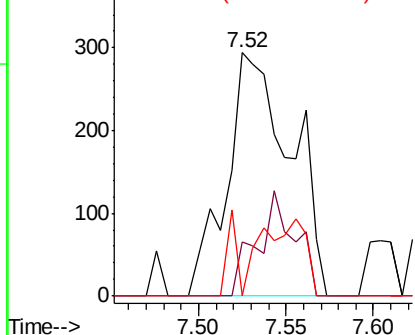


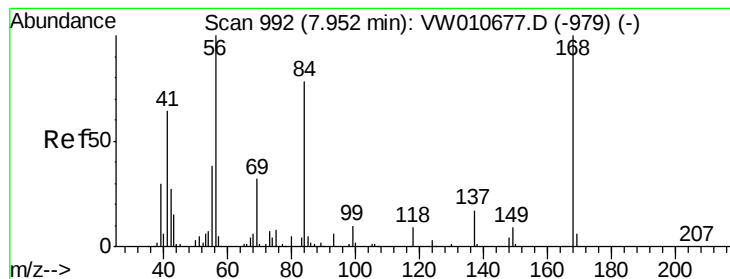
#29
Tetrahydrofuran
Concen: 1.373 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010780.D
Acq: 12 Jun 2019 16:10

Tgt Ion:	42	Resp:	753
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	5.0	26.6	39.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

BAT-B13

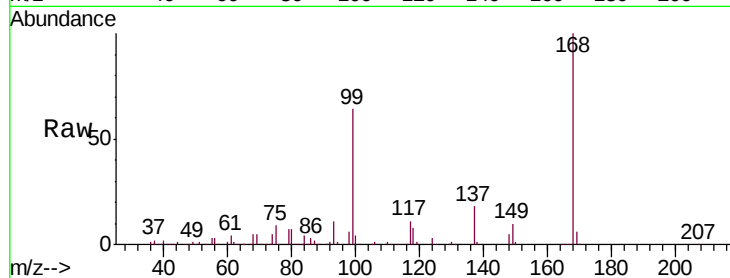
Tgt Ion: 56 Resp: 6044

Ion Ratio Lower Upper

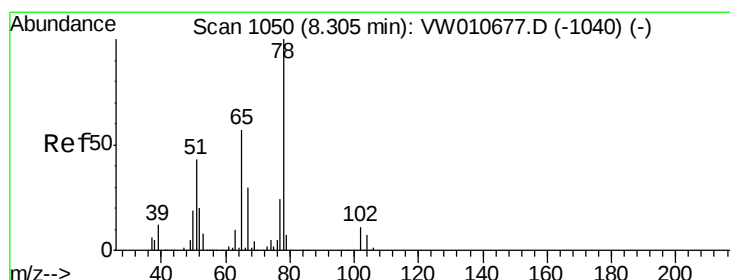
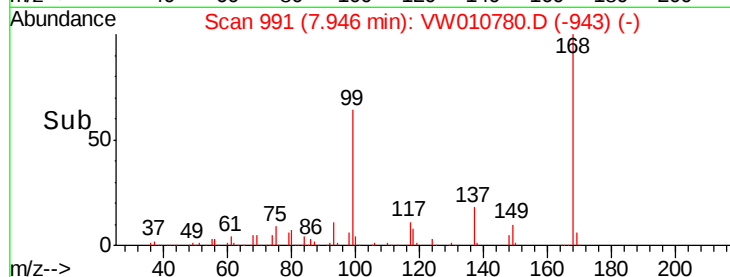
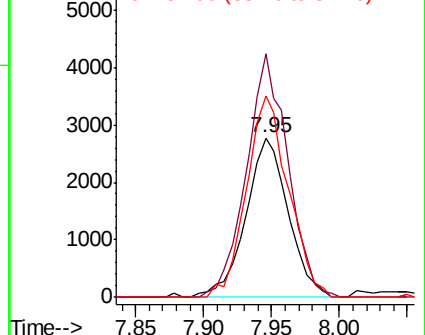
56 100

69 152.9 25.2 37.8#

84 126.4 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: 60.363 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010780.D

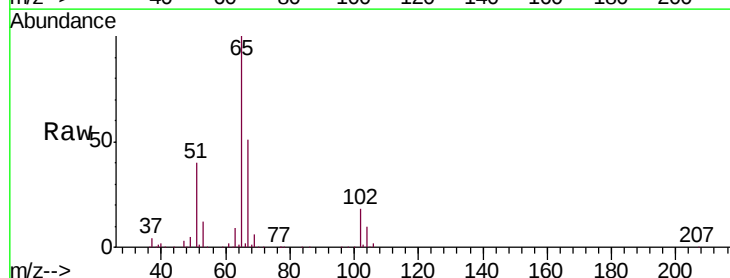
Acq: 12 Jun 2019 16:10

Tgt Ion: 65 Resp: 141692

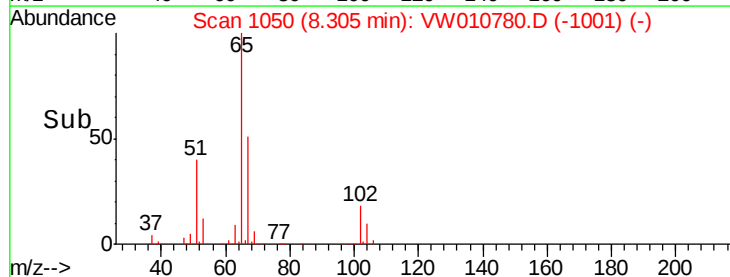
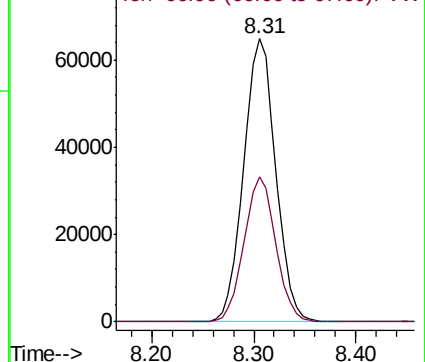
Ion Ratio Lower Upper

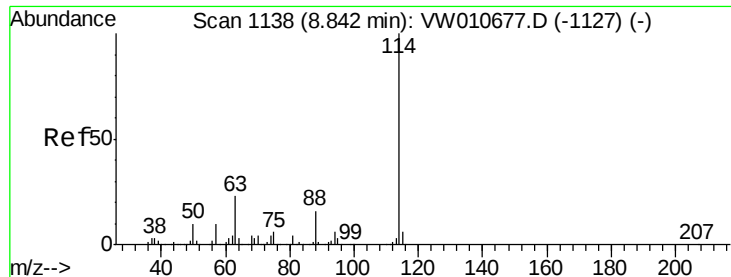
65 100

67 50.7 0.0 102.6



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

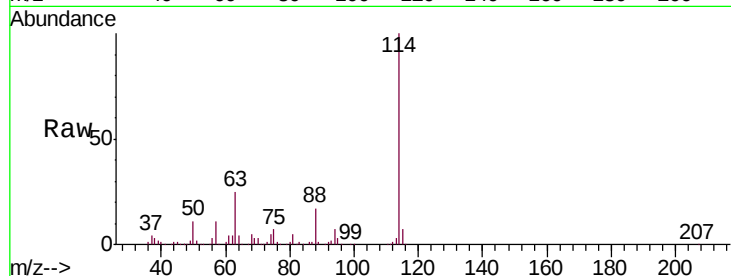




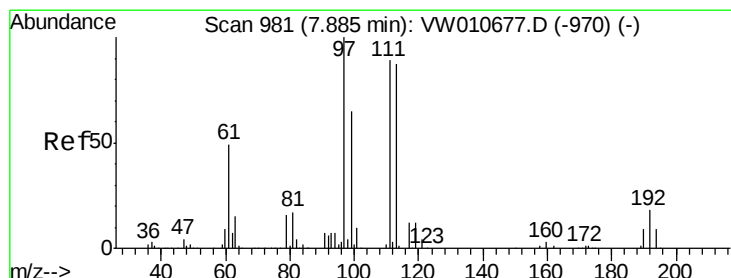
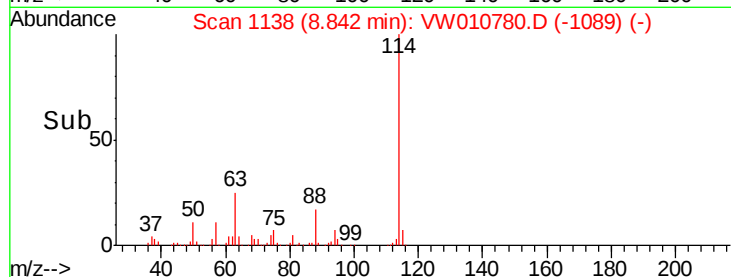
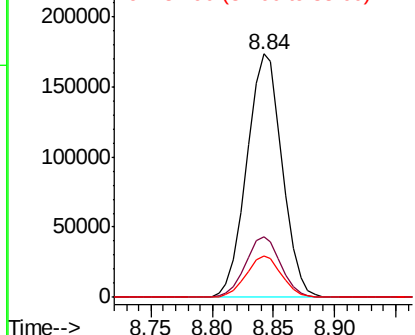
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010780.D
 Acq: 12 Jun 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BAT-B13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	46.4
88	17.1	0.0	32.2

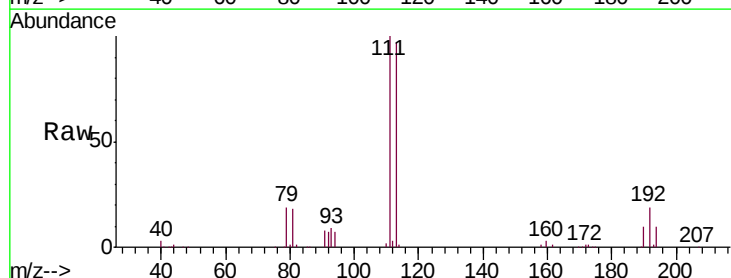


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

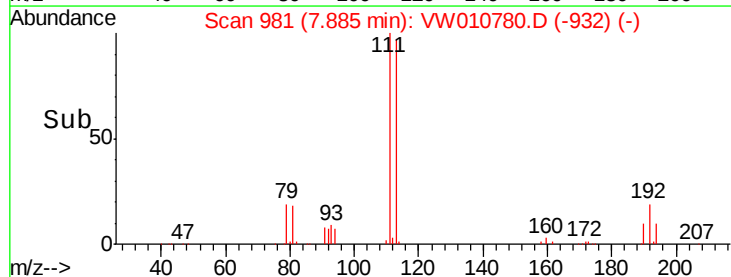
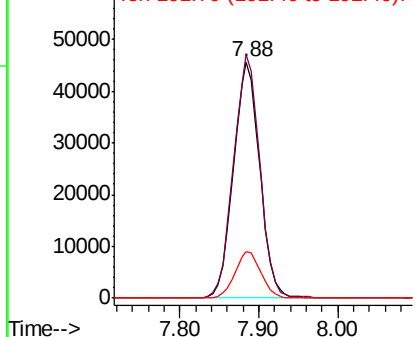


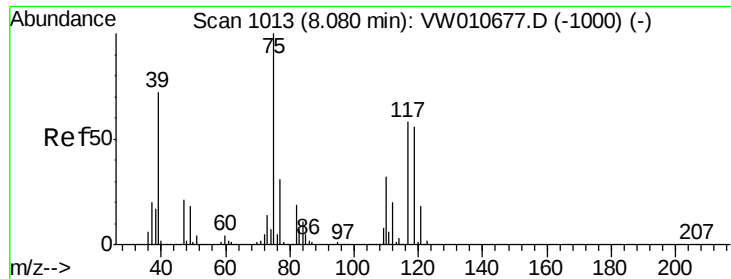
#35
 Dibromofluoromethane
 Concen: 55.935 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010780.D
 Acq: 12 Jun 2019 16:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	19.5	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

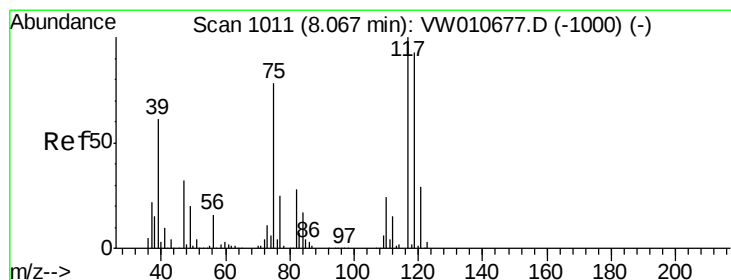
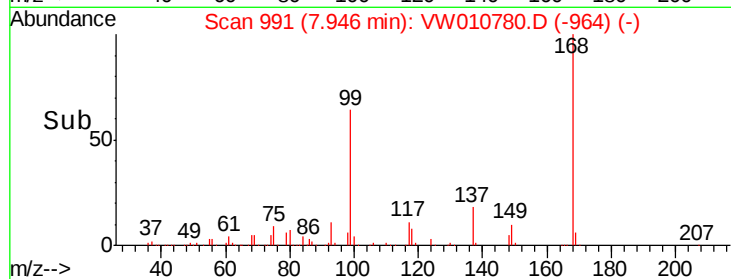
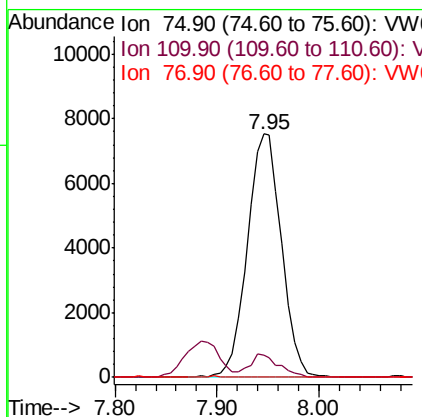
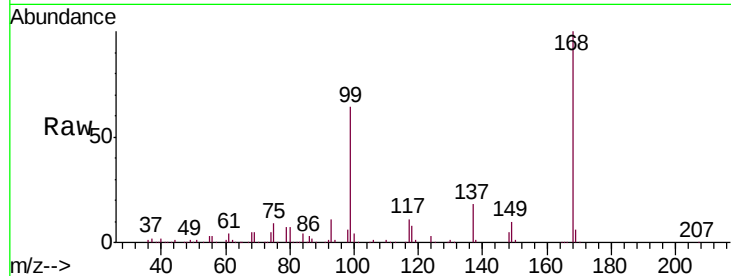




#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010780.D
 Acq: 12 Jun 2019 16:10

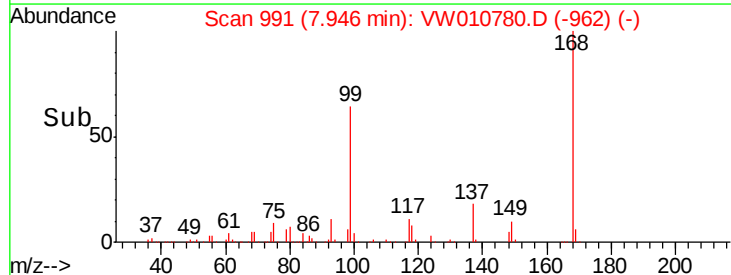
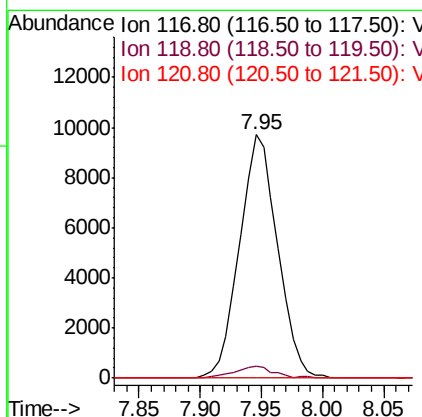
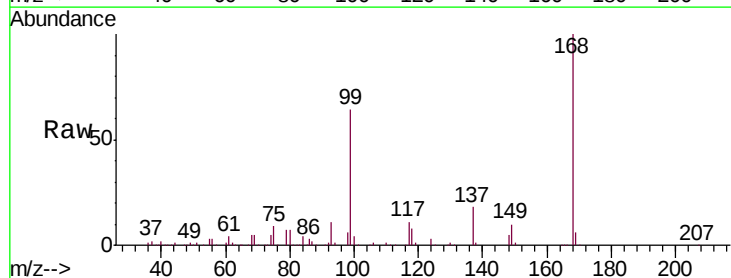
Instrument :
 MSVOA_W
 ClientSampleId :
 BAT-B13

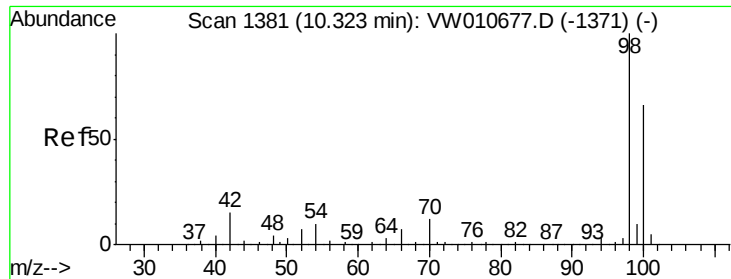
Tgt Ion: 75 Resp: 17503
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.8 47.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.823 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010780.D
 Acq: 12 Jun 2019 16:10

Tgt Ion: 117 Resp: 20998
 Ion Ratio Lower Upper
 117 100
 119 4.8 74.2 111.4#
 121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 55.482 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

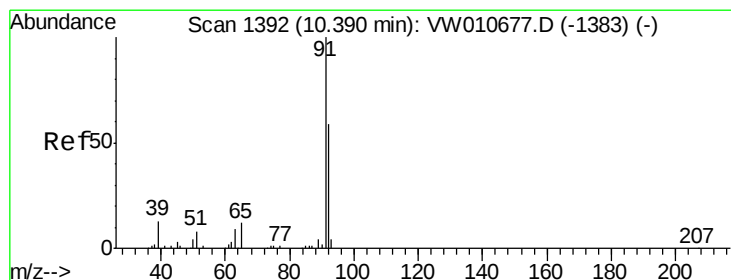
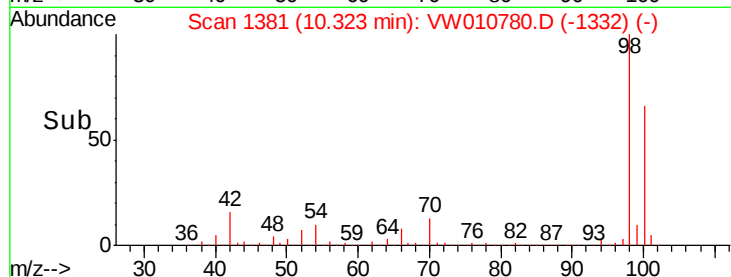
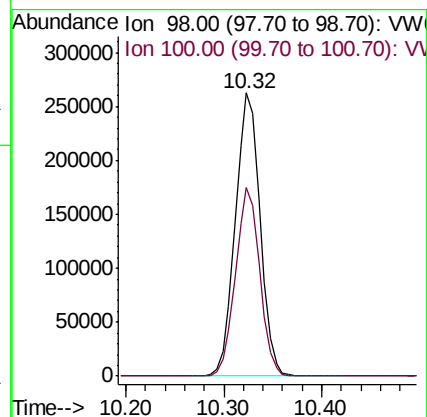
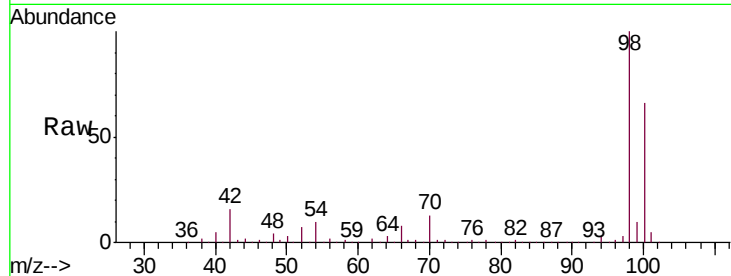
BAT-B13

Tgt Ion: 98 Resp: 459941

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#52

Toluene

Concen: 1.108 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010780.D

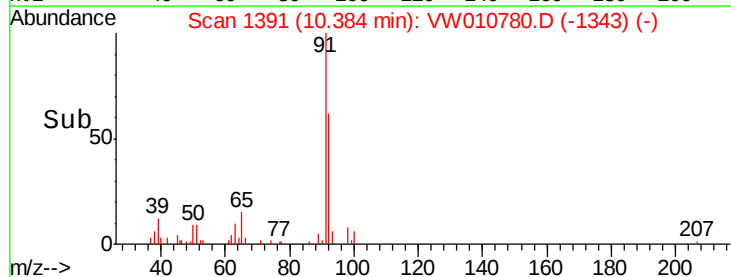
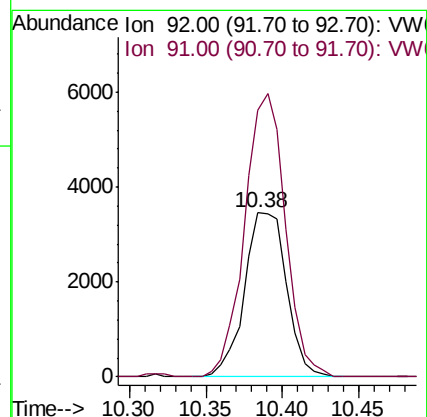
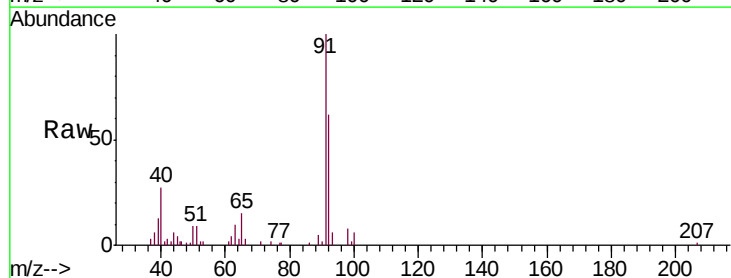
Acq: 12 Jun 2019 16:10

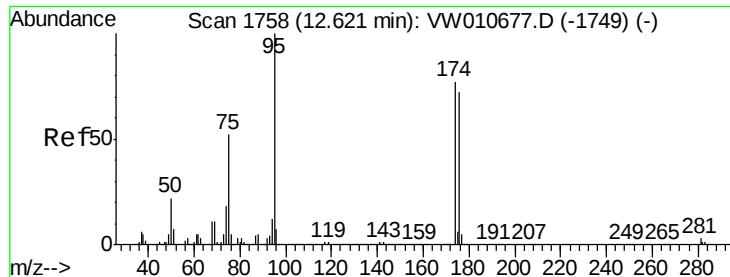
Tgt Ion: 92 Resp: 6629

Ion Ratio Lower Upper

92 100

91 166.4 134.9 202.3





#62

4-Bromofluorobenzene

Concen: 51.214 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

BAT-B13

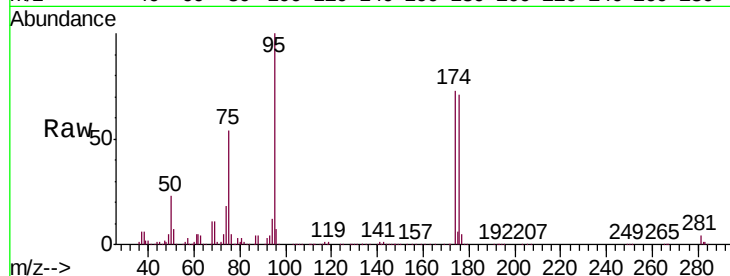
Tgt Ion: 95 Resp: 154492

Ion Ratio Lower Upper

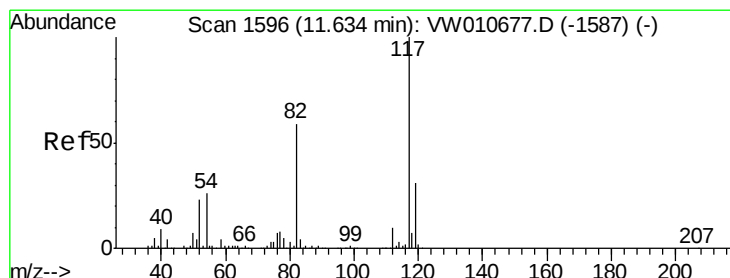
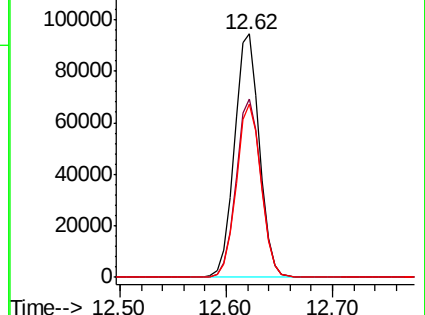
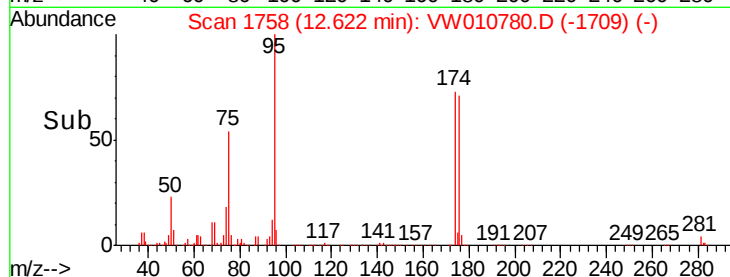
95 100

174 73.3 0.0 150.4

176 70.7 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

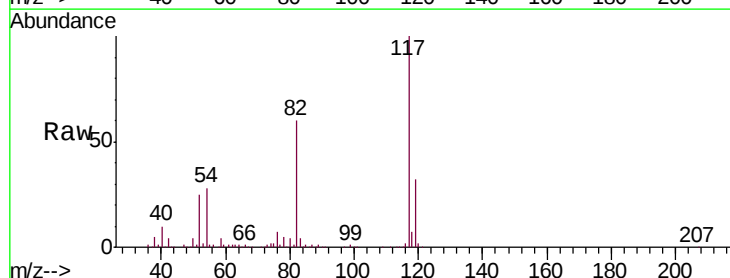
Tgt Ion: 117 Resp: 301170

Ion Ratio Lower Upper

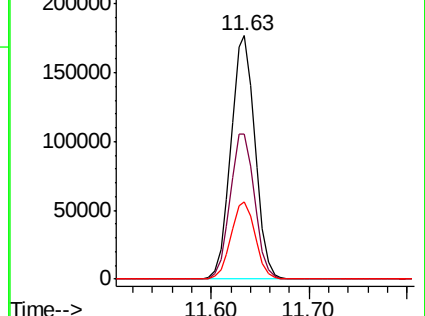
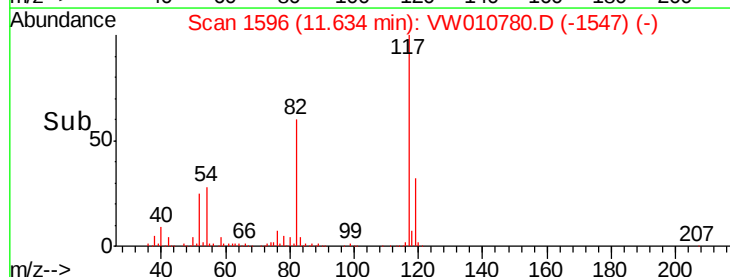
117 100

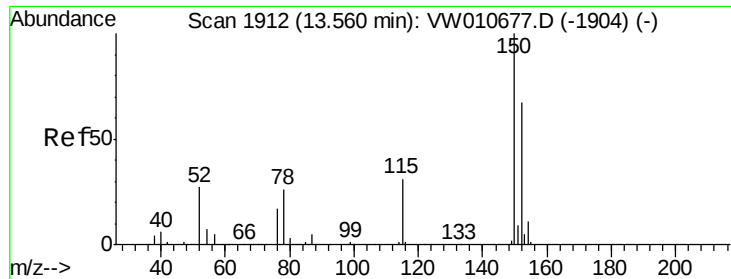
82 59.5 47.0 70.4

119 32.0 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

BAT-B13

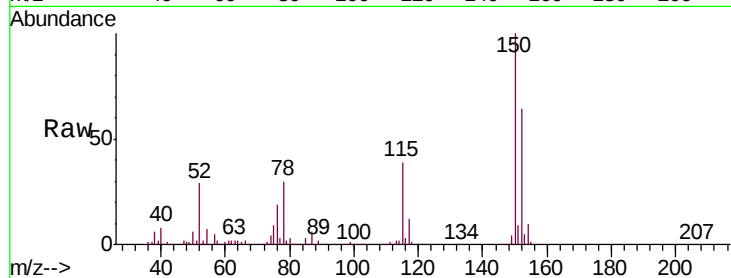
Tgt Ion:152 Resp: 122969

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

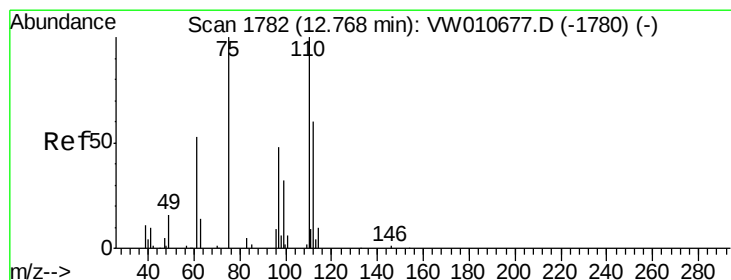
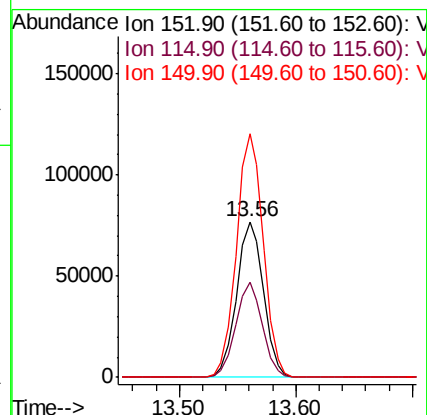
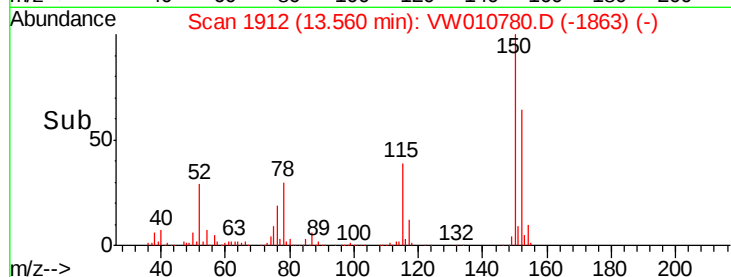
150 156.6 0.0 345.0



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: 65.324 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010780.D

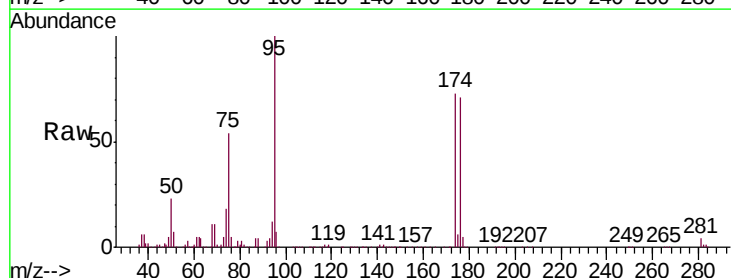
Acq: 12 Jun 2019 16:10

Tgt Ion: 75 Resp: 84355

Ion Ratio Lower Upper

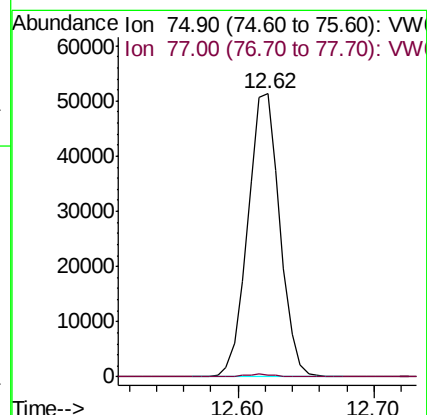
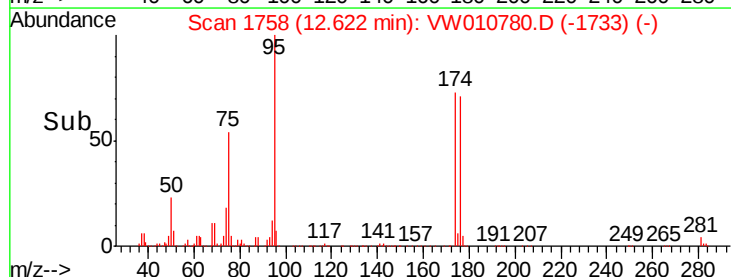
75 100

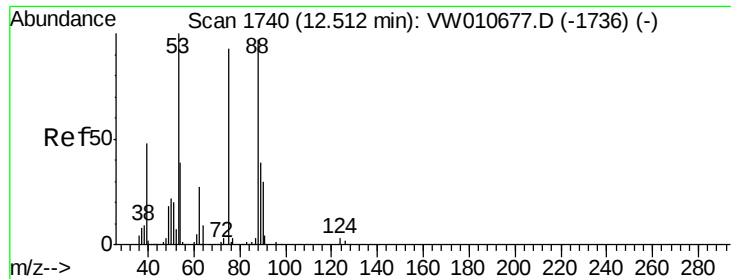
77 1.1 0.0 0.0#



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: 150.135 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010780.D

Acq: 12 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

BAT-B13

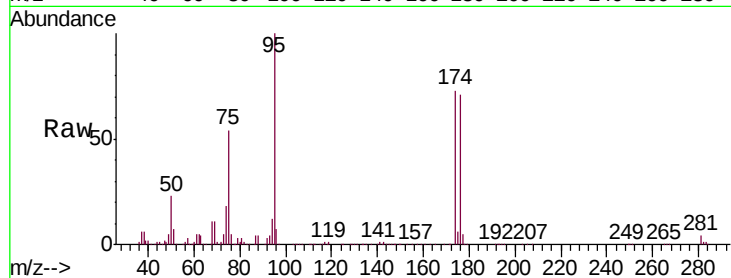
Tgt Ion: 75 Resp: 84355

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

