

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013239.D
 Acq On : 23 Sep 2019 18:39
 Operator : SY/VA
 Sample : K4957-03
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-6.5-7.0

Quant Time: Sep 24 06:41:46 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	160294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	234797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	66068	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
35) Dibromofluoromethane	7.88	113	65290	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
50) Toluene-d8	10.32	98	270979	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.62	95	80148	43.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.82%	

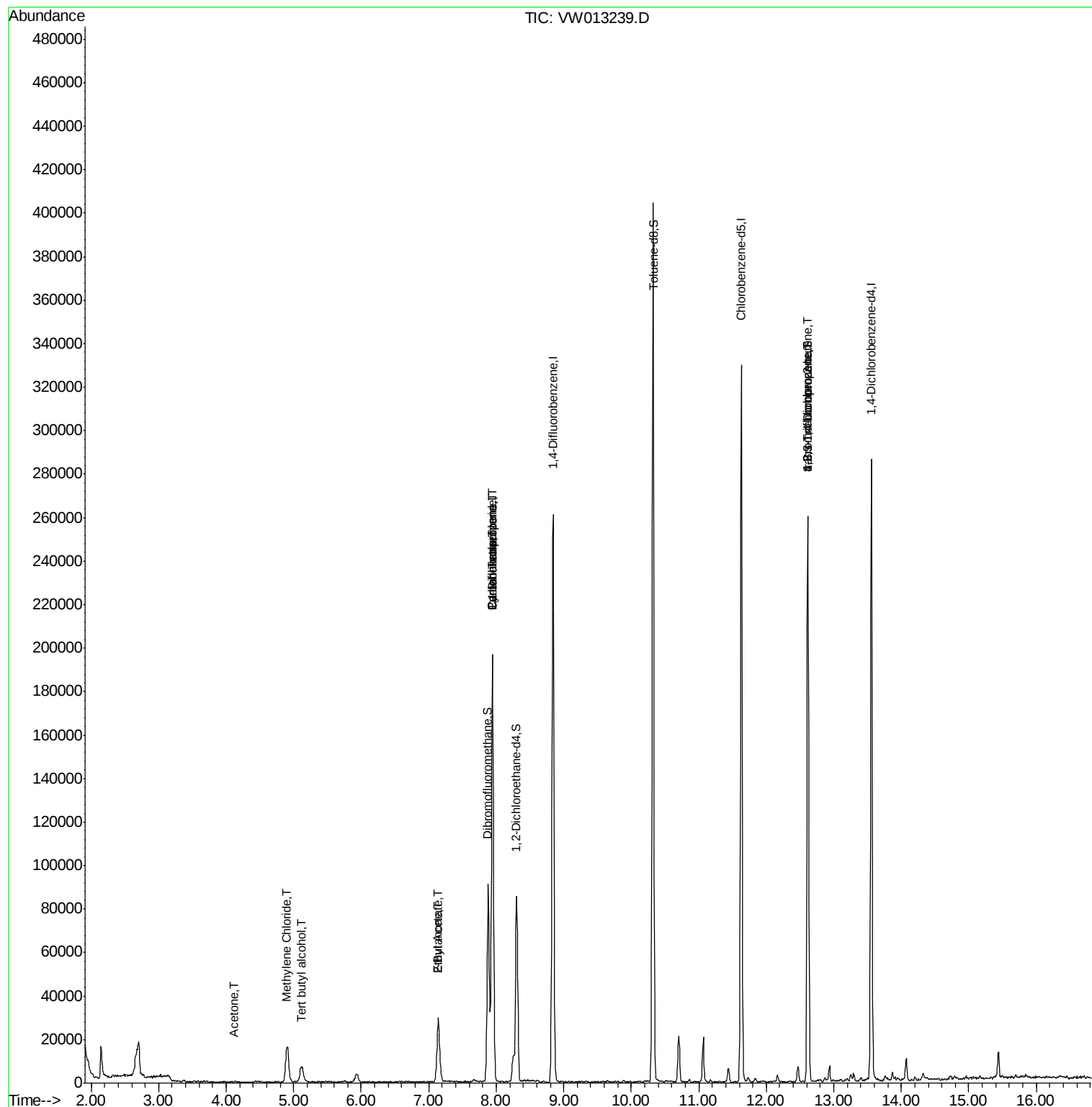
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6864	65.422	ug/l #	73
16) Acetone	4.12	43	454	1.539	ug/l #	88
20) Methylene Chloride	4.90	84	12967	6.040	ug/l	92
25) 2-Butanone	7.14	43	1446	3.265	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	2018	Below Cal	#	52
31) Cyclohexane	7.94	56	2862	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	10934	4.808	ug/l #	49
37) Ethyl Acetate	7.14	43	1446	1.496	ug/l #	36
38) Carbon Tetrachloride	7.95	117	13532	6.638	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	39948	54.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39948	122.304	ug/l #	12

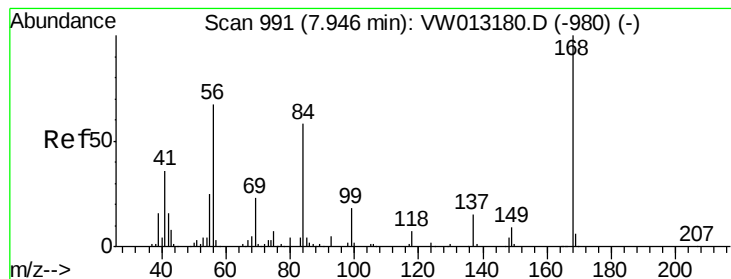
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampled :

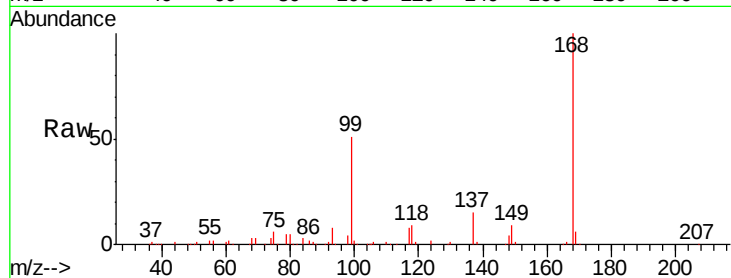
SB-42-6.5-7.0

Tgt Ion: 168 Resp: 160294

Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

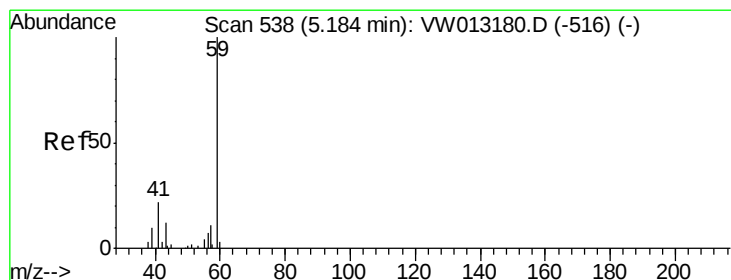
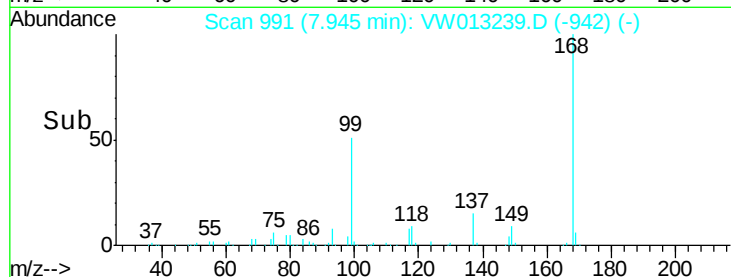
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 65.422 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013239.D

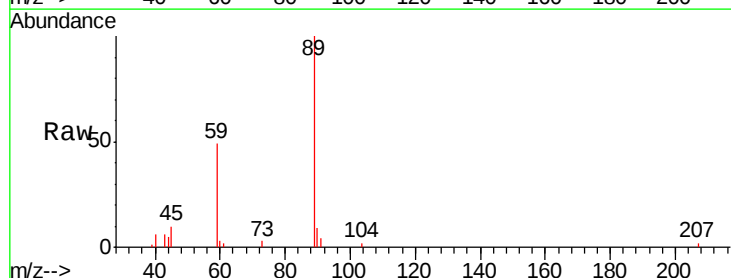
Acq: 23 Sep 2019 18:39

Tgt Ion: 59 Resp: 6864

Ion Ratio Lower Upper

59 100

57 0.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

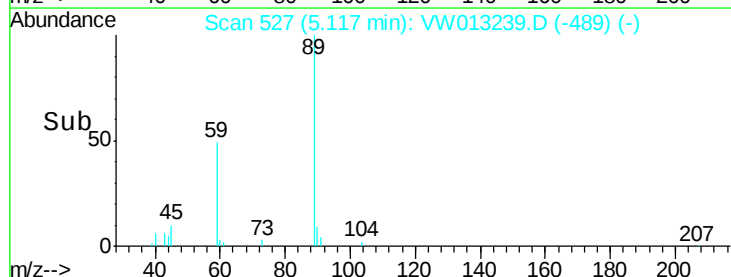
1500

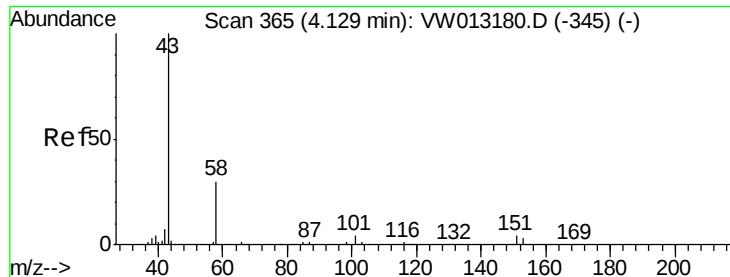
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 1.539 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

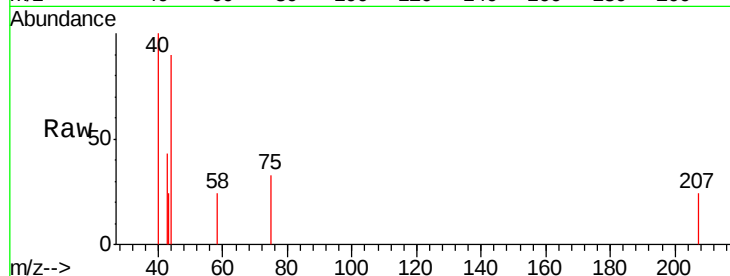
SB-42-6.5-7.0

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

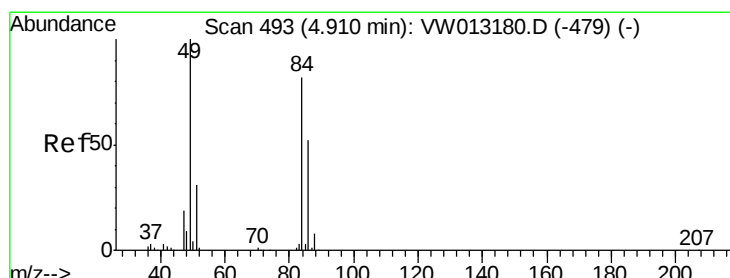
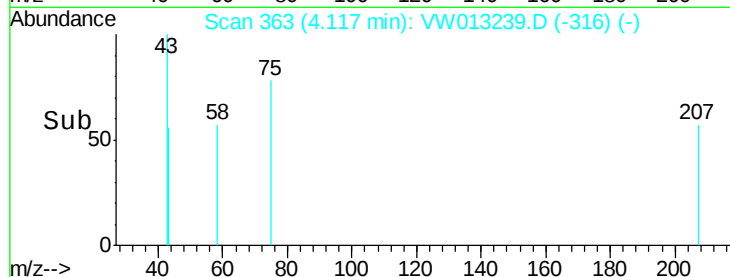
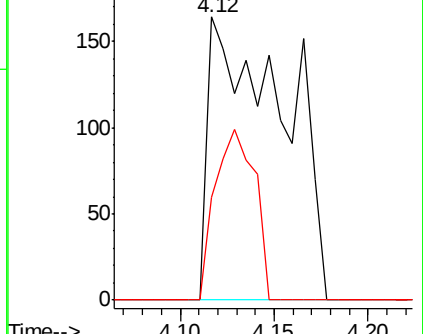
43 100

58 36.6 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.040 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Tgt Ion: 84 Resp: 12967

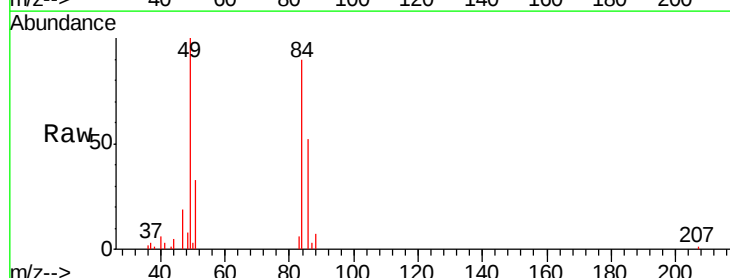
Ion Ratio Lower Upper

84 100

49 111.2 97.6 146.4

51 36.4 30.2 45.2

86 58.2 50.6 76.0

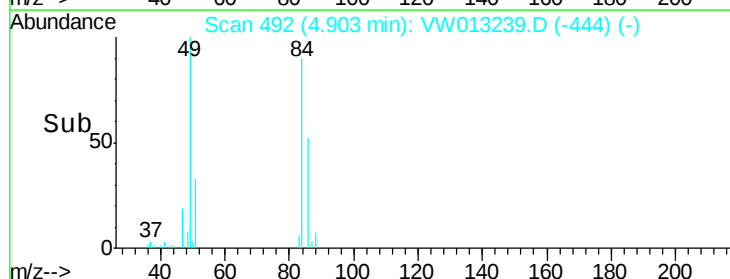
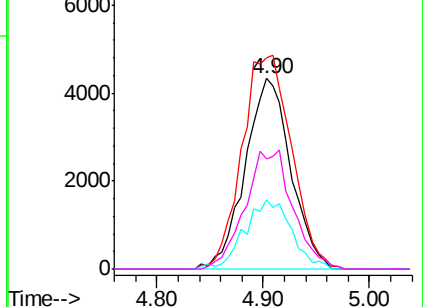


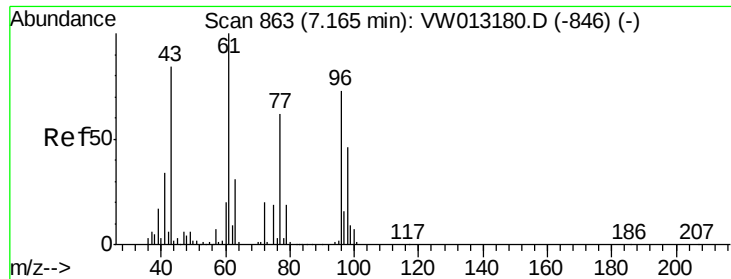
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.265 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

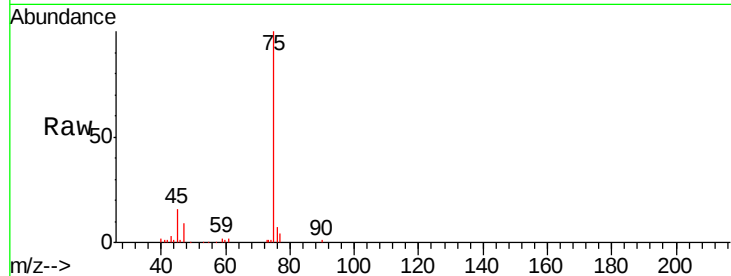
SB-42-6.5-7.0

Tgt Ion: 43 Resp: 1446

Ion Ratio Lower Upper

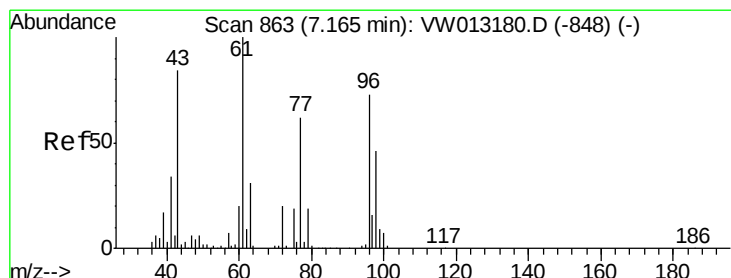
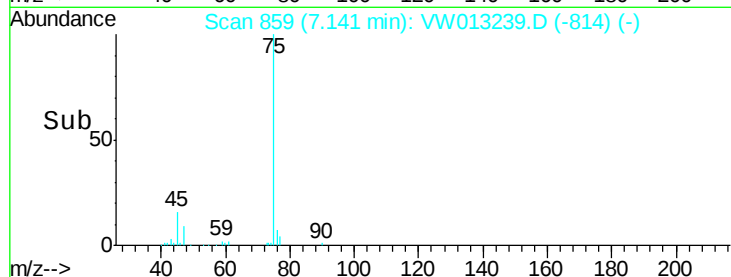
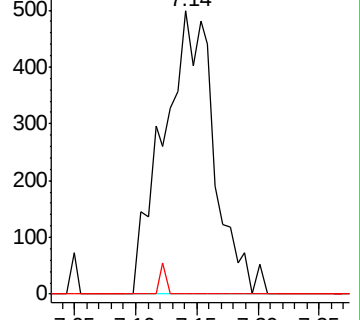
43 100

72 0.0 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: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013239.D

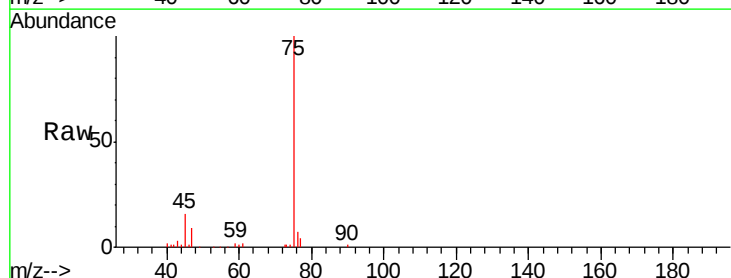
Acq: 23 Sep 2019 18:39

Tgt Ion: 77 Resp: 2018

Ion Ratio Lower Upper

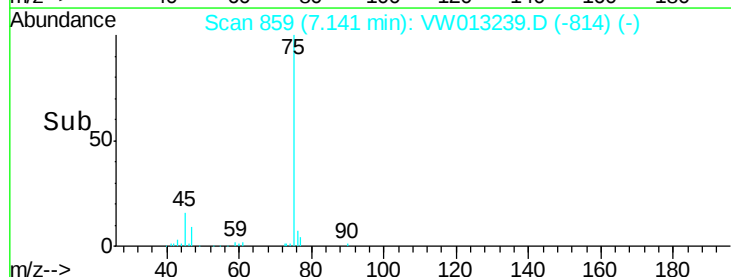
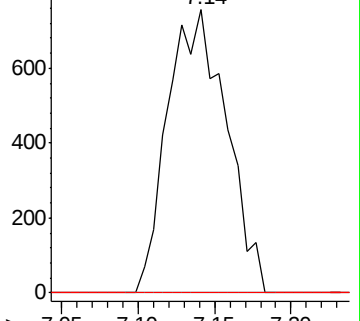
77 100

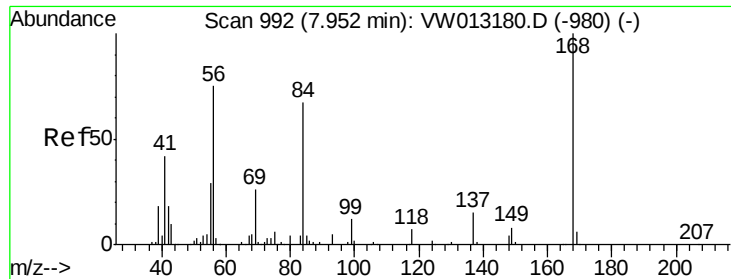
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

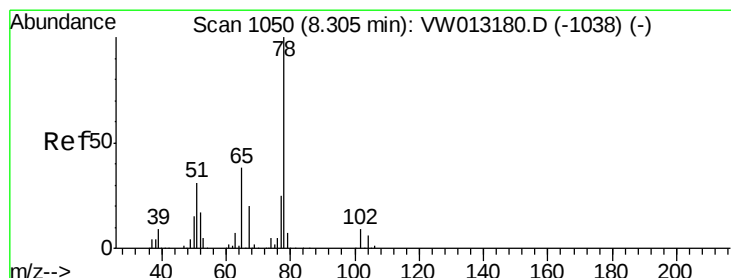
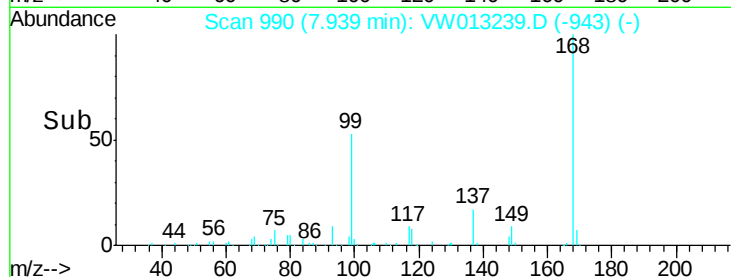
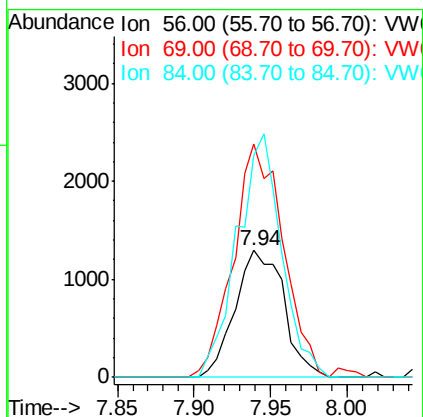
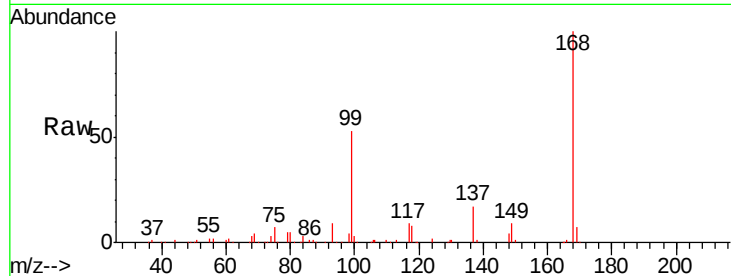




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

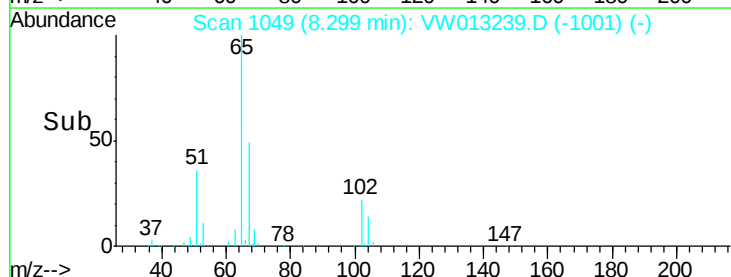
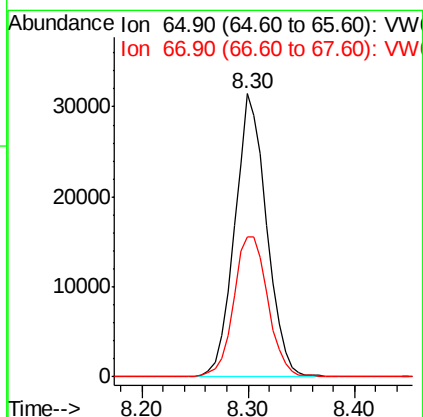
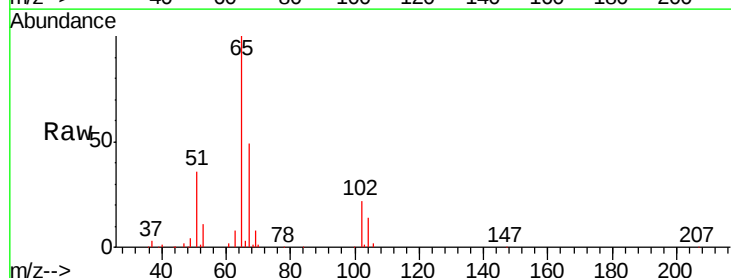
Instrument :
MSVOA_W
ClientSampleId :
SB-42-6.5-7.0

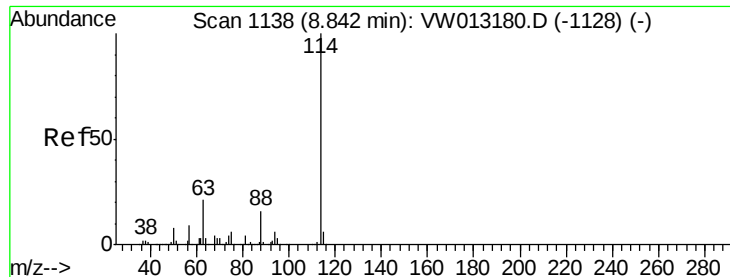
Tgt Ion: 56 Resp: 2862
Ion Ratio Lower Upper
56 100
69 184.2 27.2 40.8#
84 174.8 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 50.502 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

Tgt Ion: 65 Resp: 66068
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2

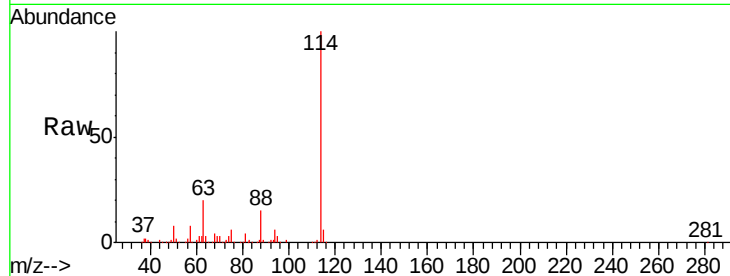




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013239.D
 Acq: 23 Sep 2019 18:39

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-6.5-7.0

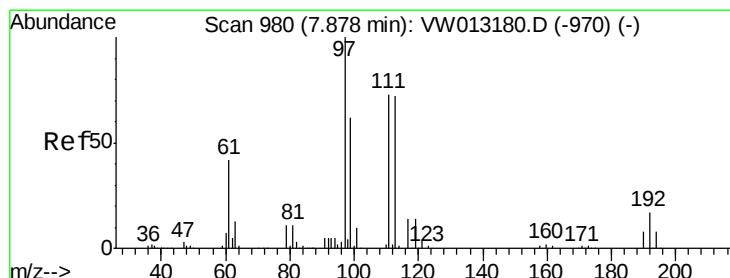
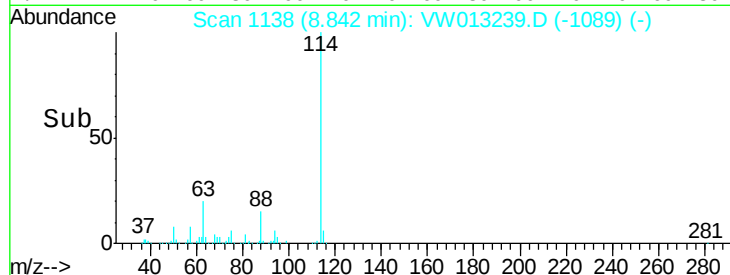
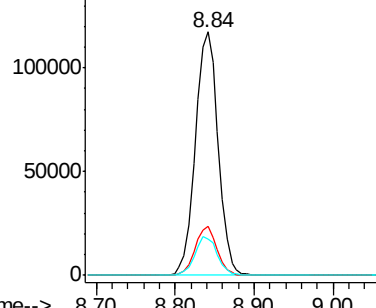
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	14.8	0.0	32.0



Abundance Ion 113.90 (113.60 to 114.60): V

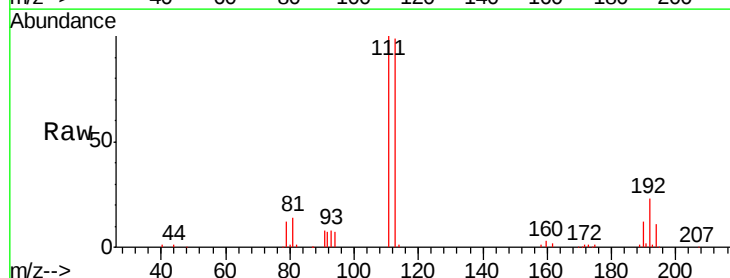
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 50.558 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013239.D
 Acq: 23 Sep 2019 18:39

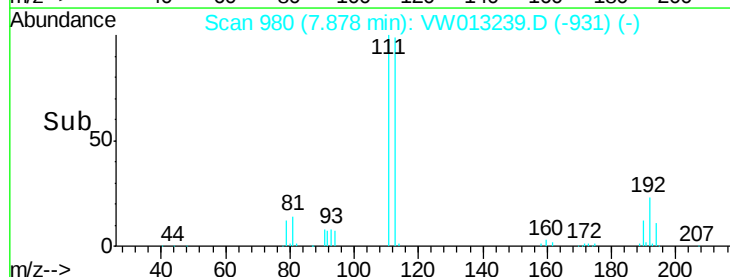
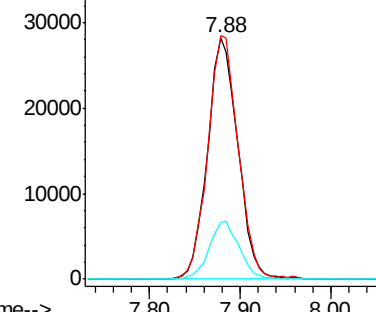
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	23.6	19.1	28.7

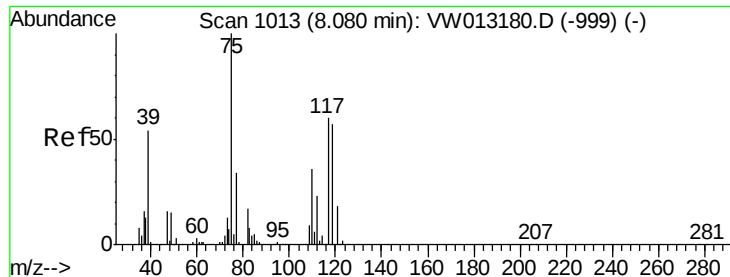


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

SB-42-6.5-7.0

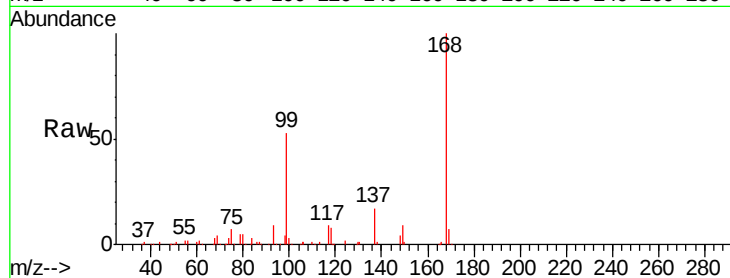
Tgt Ion: 75 Resp: 10934

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.3#

77 0.2 25.8 38.6#

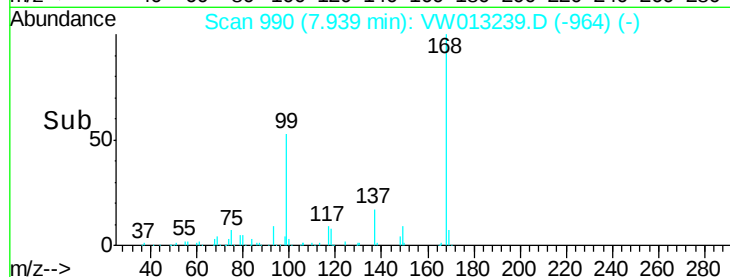


Abundance Ion 74.90 (74.60 to 75.60): VW

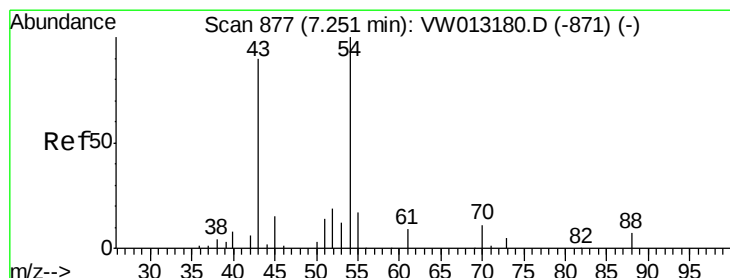
Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW

Time-->



Time-->



#37

Ethyl Acetate

Concen: 1.496 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

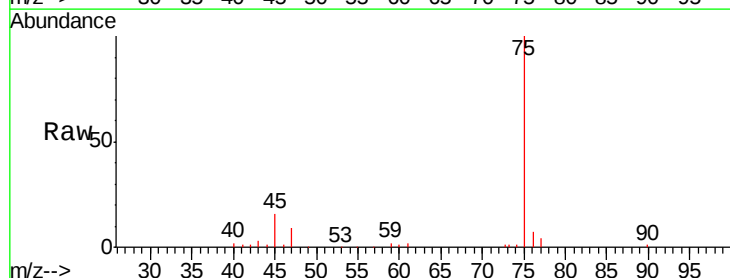
Tgt Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

61 50.6 10.9 16.3#

70 0.0 8.2 12.2#

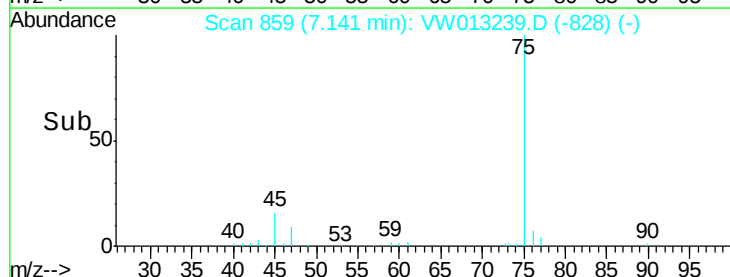


Abundance Ion 43.00 (42.70 to 43.70): VW

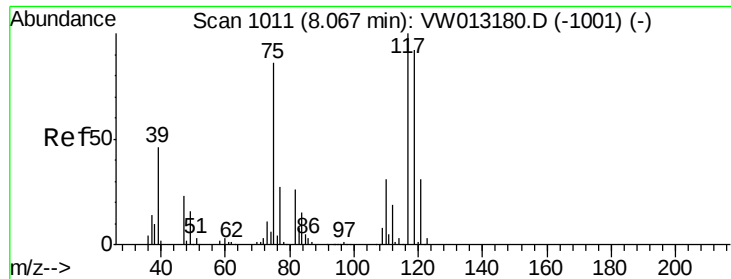
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

Time-->



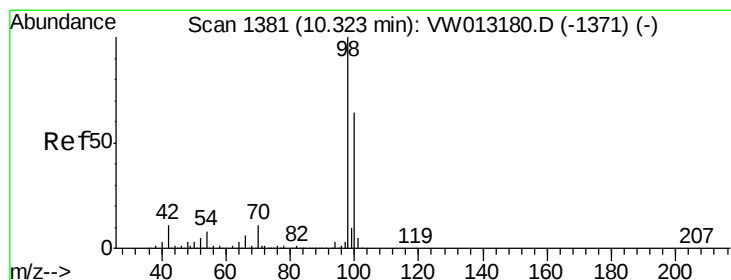
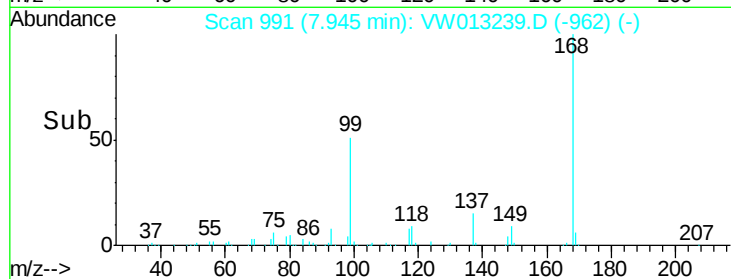
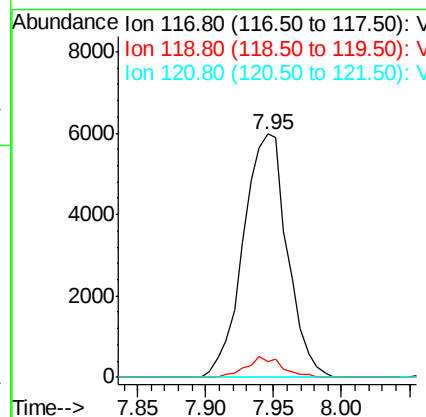
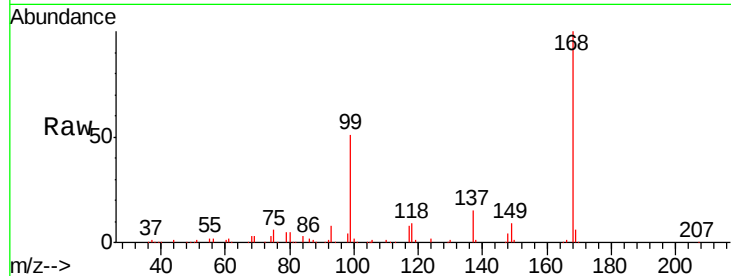
Time-->



#38
Carbon Tetrachloride
Concen: 6.638 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

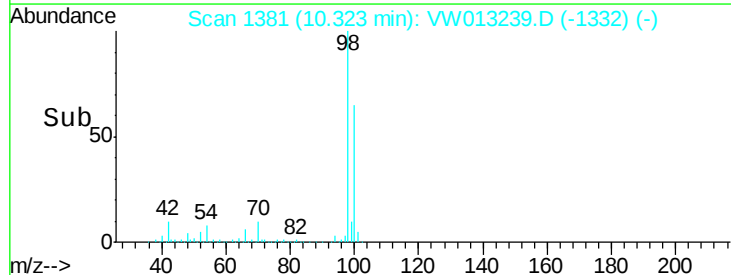
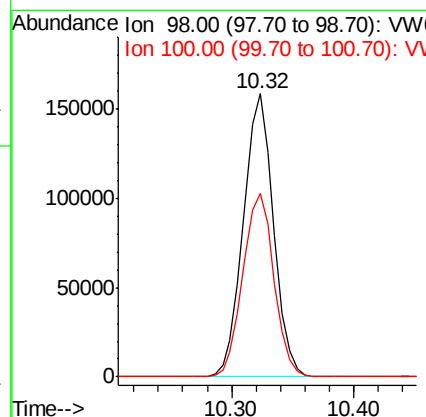
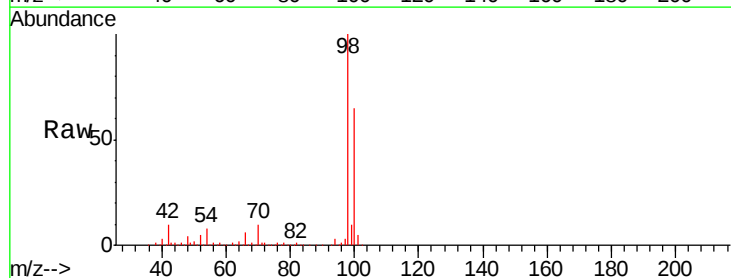
Instrument :
MSVOA_W
ClientSampleId :
SB-42-6.5-7.0

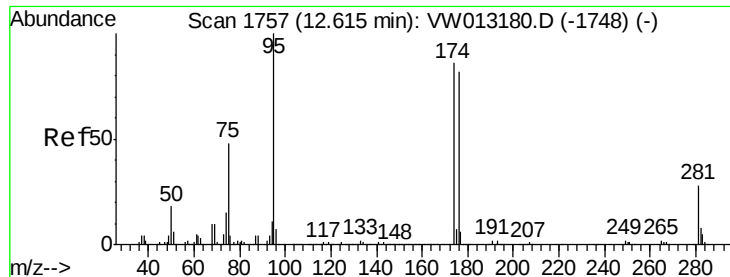
Tgt Ion:117 Resp: 13532
Ion Ratio Lower Upper
117 100
119 6.2 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.139 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

Tgt Ion: 98 Resp: 270979
Ion Ratio Lower Upper
98 100
100 66.9 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 43.413 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

SB-42-6.5-7.0

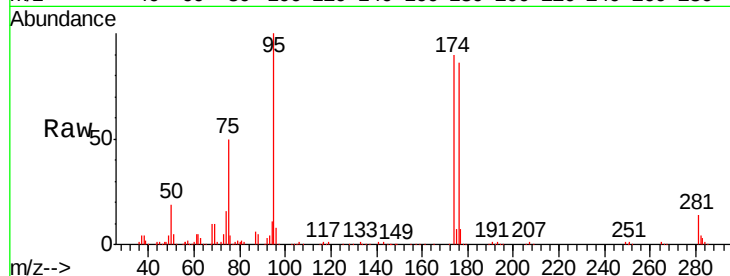
Tgt Ion: 95 Resp: 80148

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.4

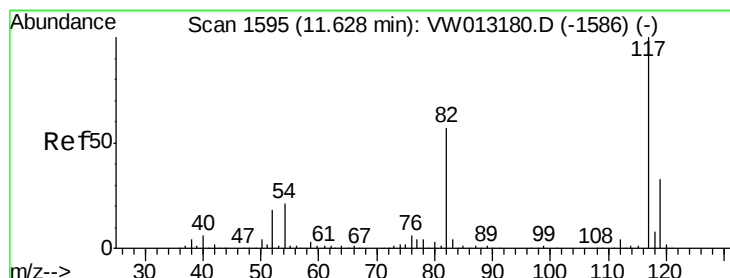
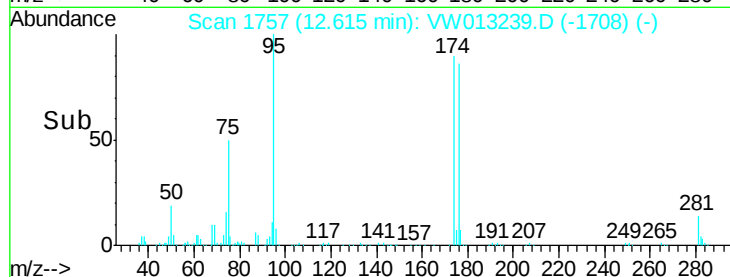
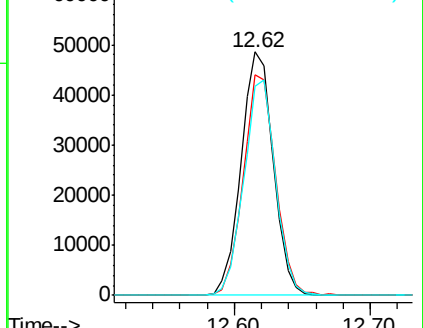
176 87.9 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

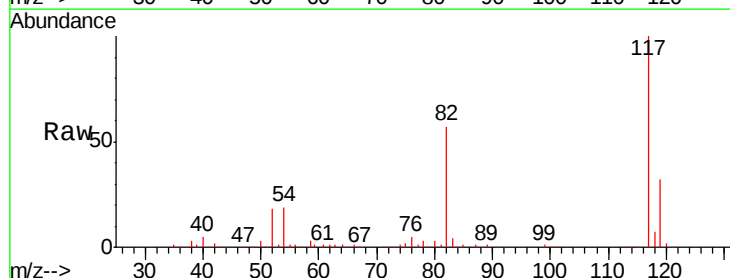
Tgt Ion: 117 Resp: 195020

Ion Ratio Lower Upper

117 100

82 56.6 45.9 68.9

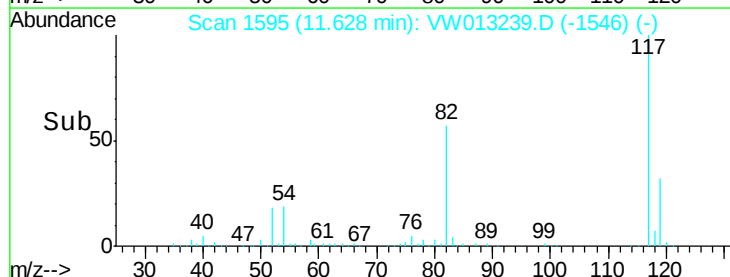
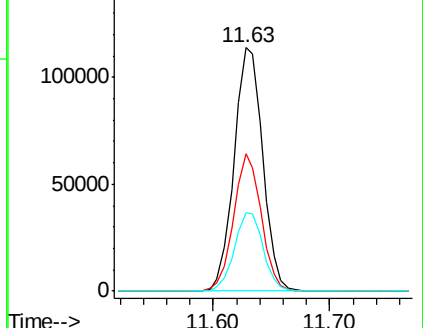
119 32.3 26.2 39.2

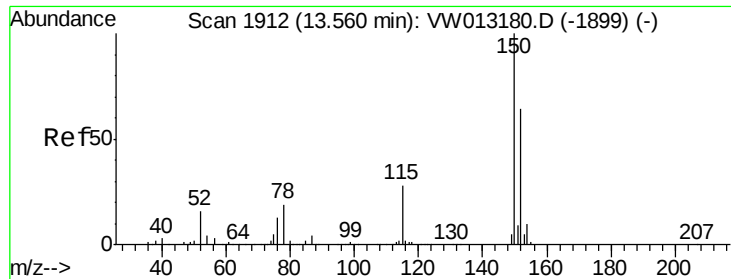


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



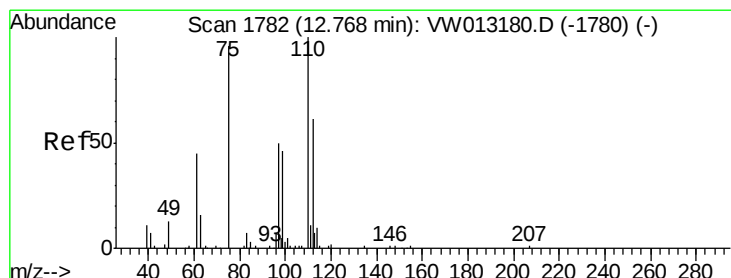
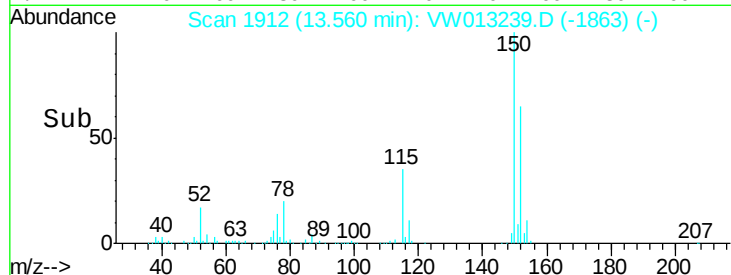
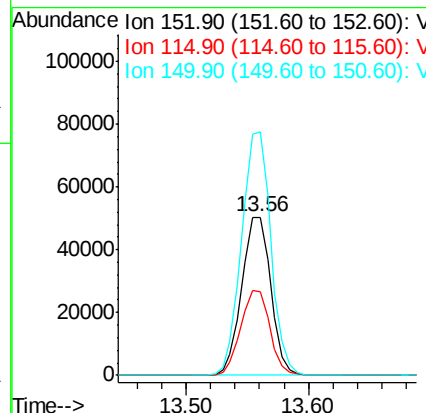
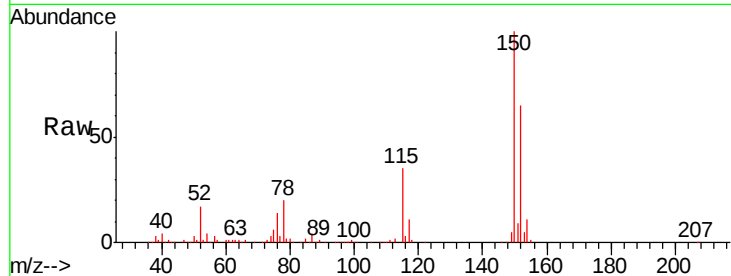


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

Instrument :
MSVOA_W
ClientSampled :
SB-42-6.5-7.0

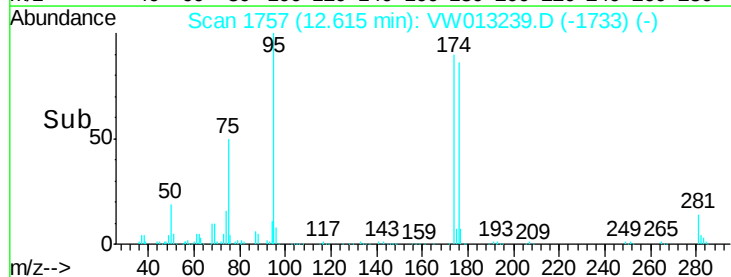
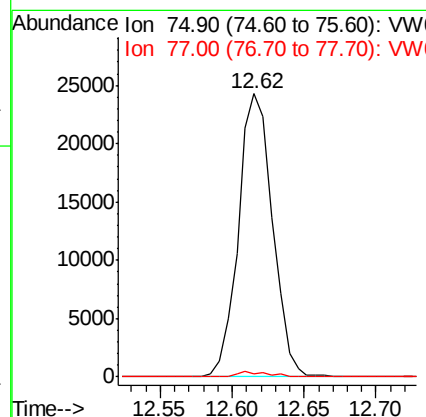
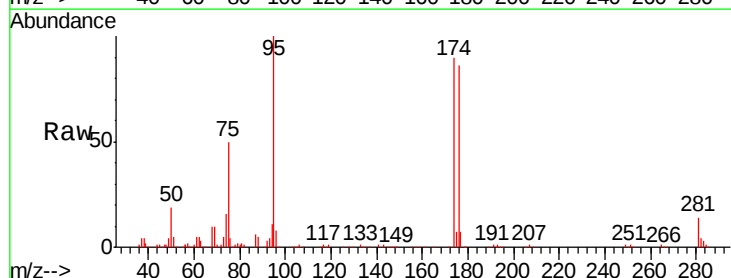
Tgt Ion:152 Resp: 82992
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 154.7 0.0 349.0

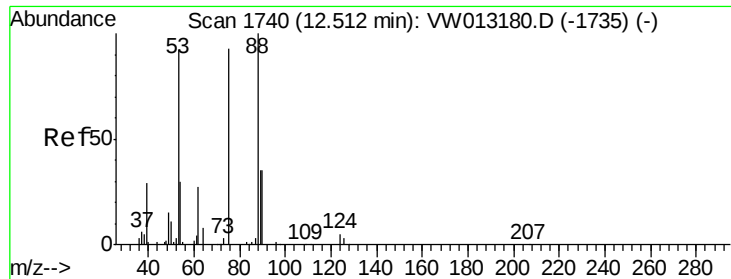


#76

1,2,3-Trichloropropane
Concen: 54.505 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013239.D
Acq: 23 Sep 2019 18:39

Tgt Ion: 75 Resp: 39948
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 122.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013239.D

Acq: 23 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

SB-42-6.5-7.0

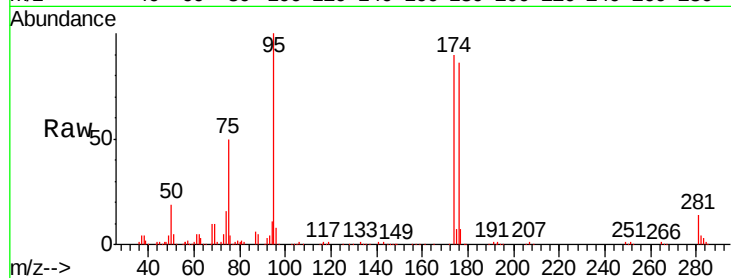
Tgt Ion: 75 Resp: 39948

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.2 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

