

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011091.D
 Acq On : 01 Jul 2019 18:02
 Operator : SY/VA
 Sample : K3580-05RE
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-9.5-10.0

Quant Time: Jul 02 08:37:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130665	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.88	113	101578	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.32	98	411822	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	132379	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	

Target Compounds

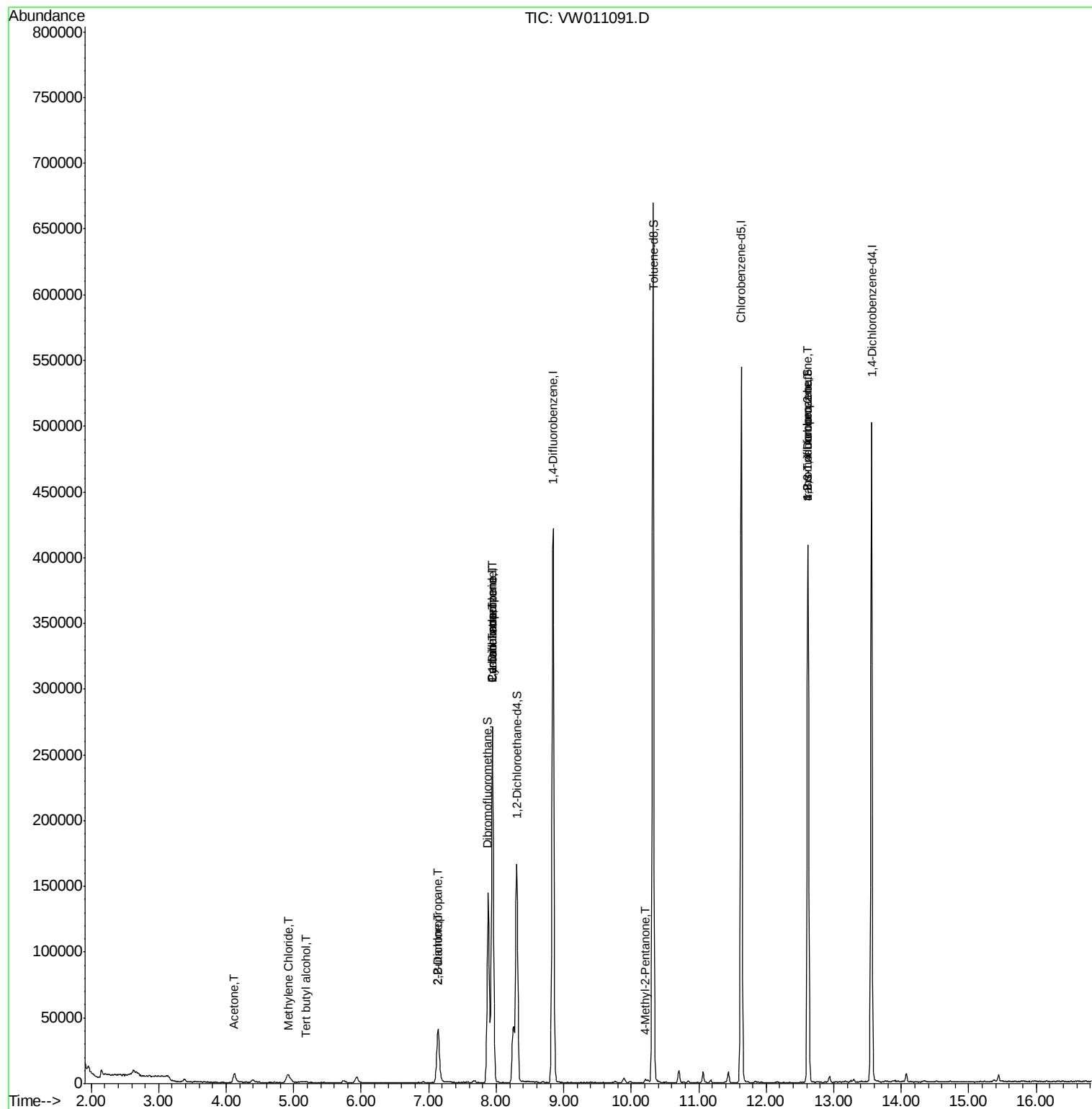
					Qvalue	
11) Tert butyl alcohol	5.18	59	522	2.847	ug/l #	82
16) Acetone	4.12	43	12956	21.028	ug/l	100
20) Methylene Chloride	4.92	84	4363	1.743	ug/l	87
25) 2-Butanone	7.14	43	3303	3.527	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	2842	1.225	ug/l #	54
31) Cyclohexane	7.94	56	5166	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17465	4.925	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19906	6.817	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	2301	1.120	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	72837	57.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72837	116.345	ug/l #	3

(#) = 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: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

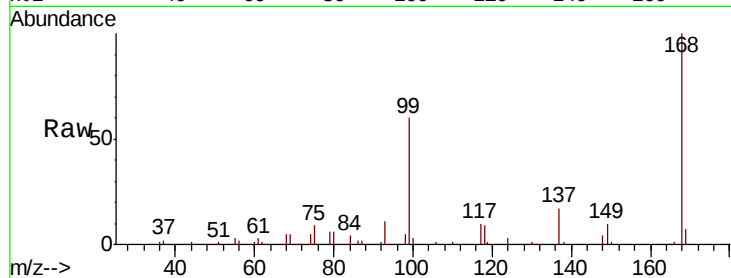
SB-13-9.5-10.0

Tot Ion:168 Resp: 193084

Ion Ratio Lower Upper

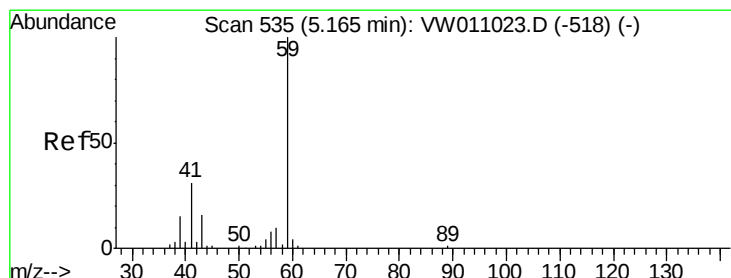
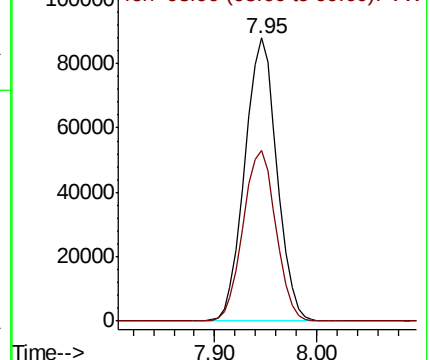
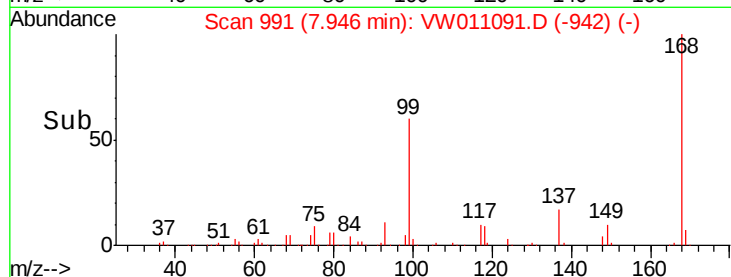
168 100

99 60.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.847 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW011091.D

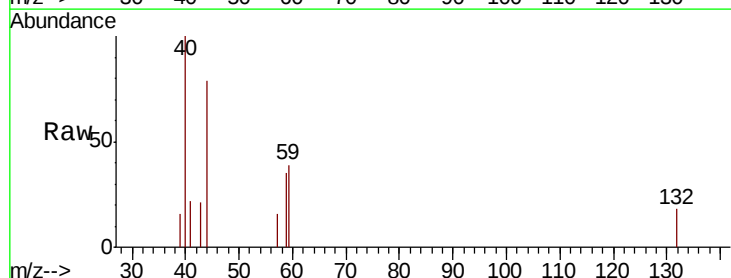
Acq: 01 Jul 2019 18:02

Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

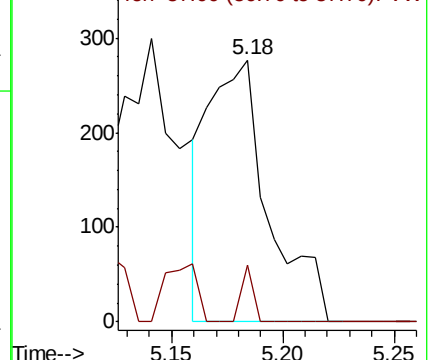
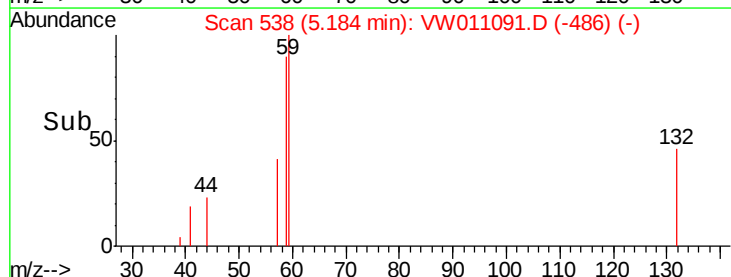
59 100

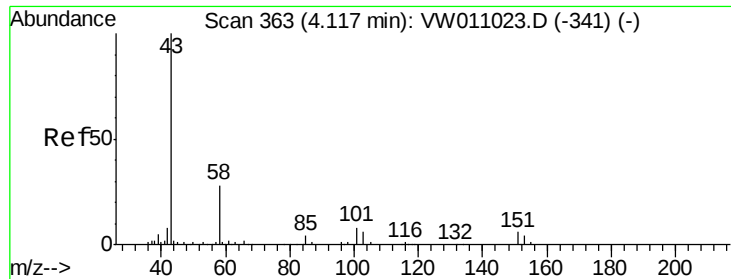
57 4.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

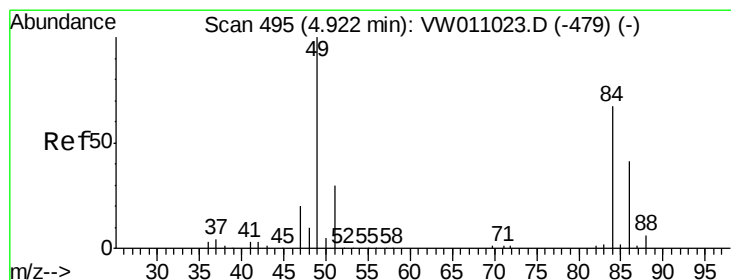
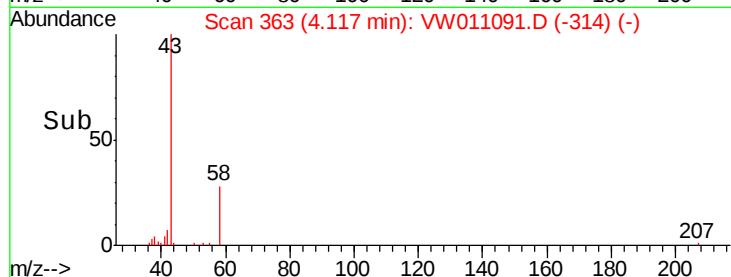
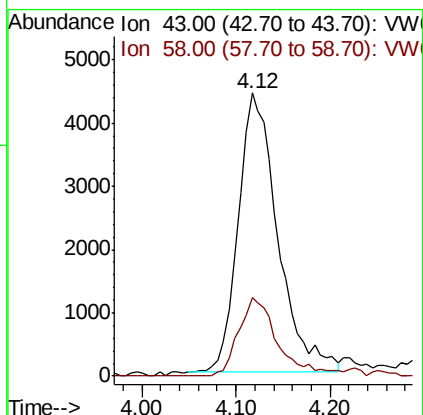
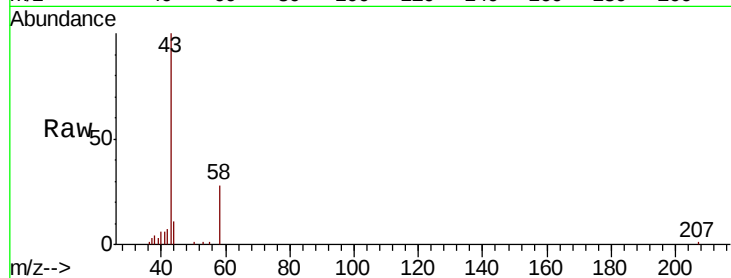




#16
Acetone
Concen: 21.028 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011091.D
Acq: 01 Jul 2019 18:02

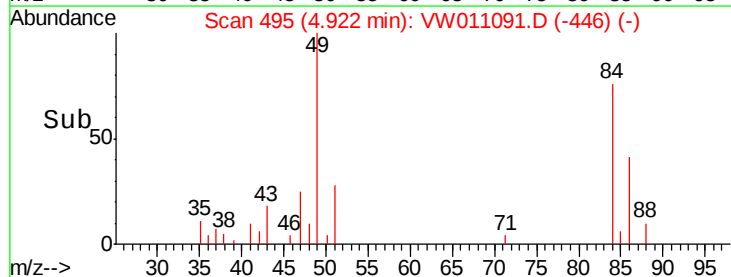
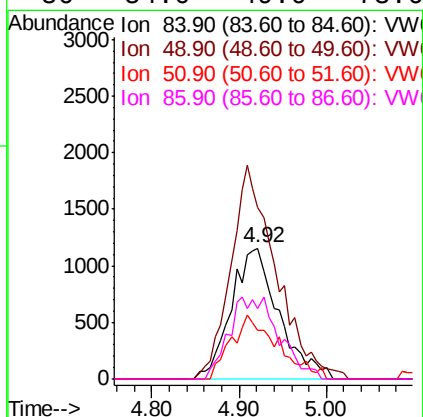
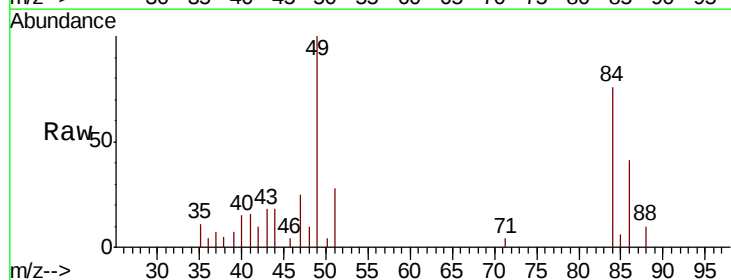
Instrument :
MSVOA_W
ClientSampleId :
SB-13-9.5-10.0

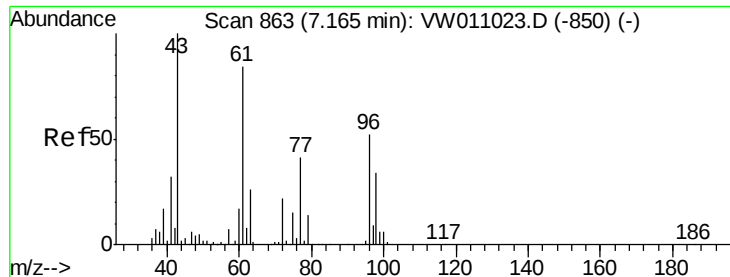
Tot Ion: 43 Resp: 12956
Ion Ratio Lower Upper
43 100
58 28.1 22.5 33.7



#20
Methylene Chloride
Concen: 1.743 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011091.D
Acq: 01 Jul 2019 18:02

Tgt Ion: 84 Resp: 4363
Ion Ratio Lower Upper
84 100
49 131.5 119.6 179.4
51 36.8 35.6 53.4
86 54.0 49.0 73.6





#25

2-Butanone

Concen: 3.527 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

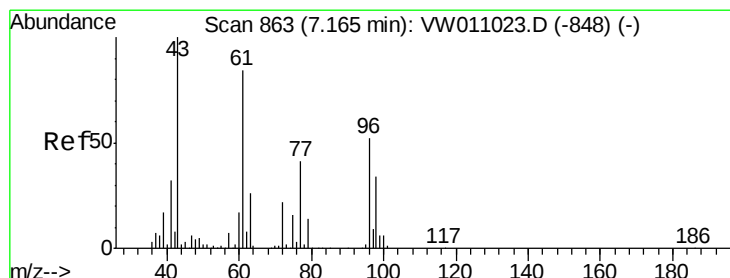
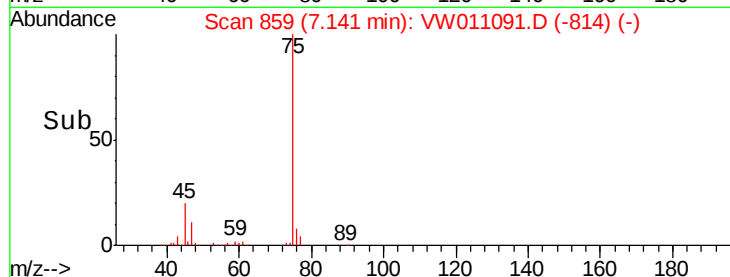
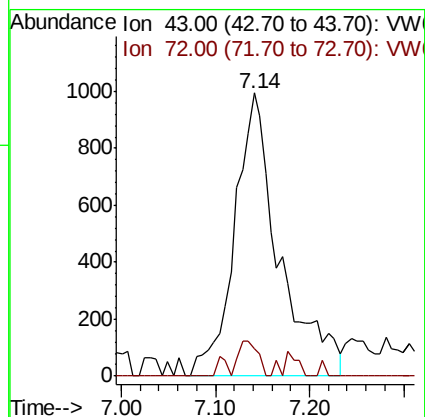
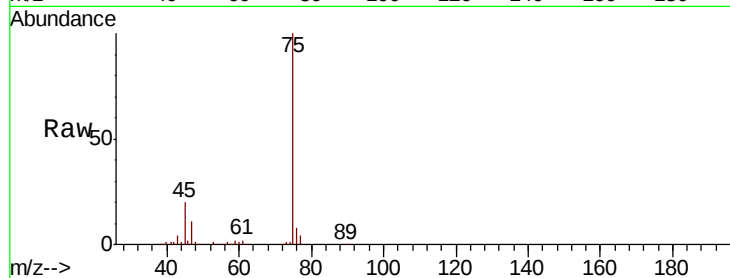
SB-13-9.5-10.0

Tot Ion: 43 Resp: 3303

Ion Ratio Lower Upper

43 100

72 9.6 17.2 25.8#



#26

2,2-Dichloropropane

Concen: 1.225 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011091.D

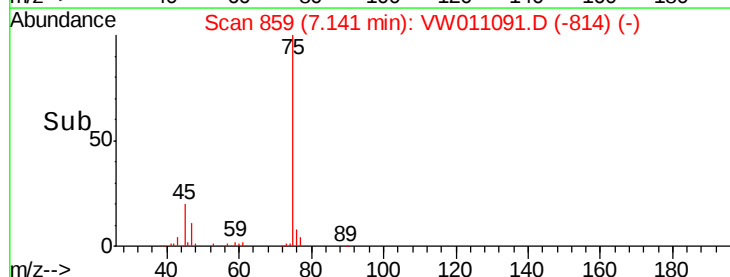
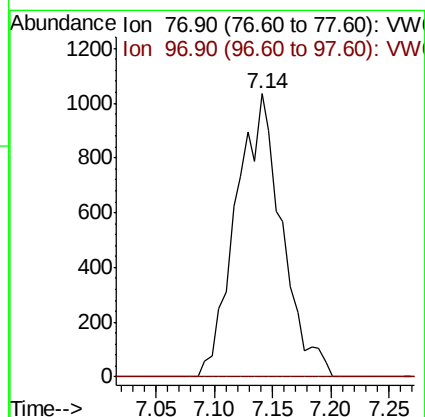
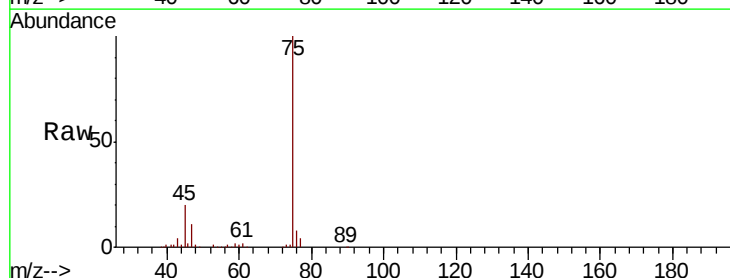
Acq: 01 Jul 2019 18:02

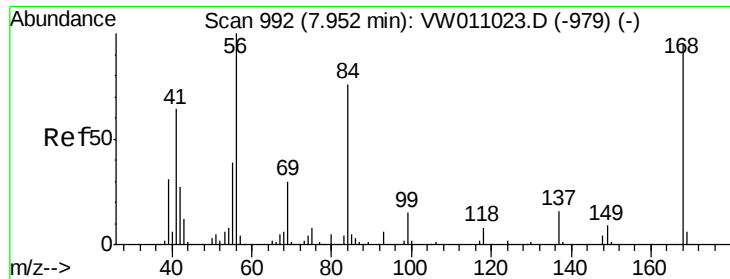
Tgt Ion: 77 Resp: 2842

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#

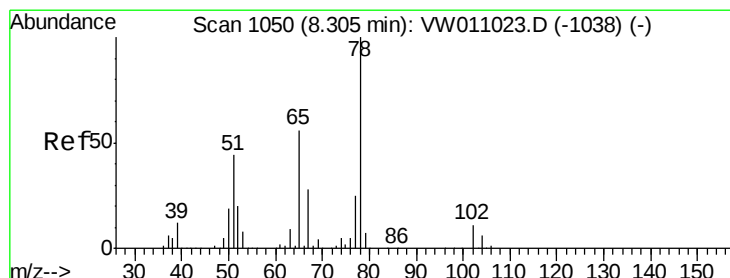
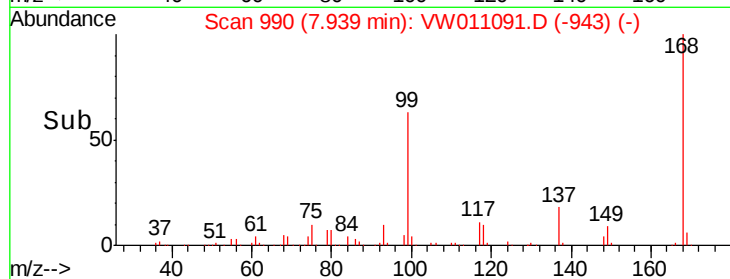
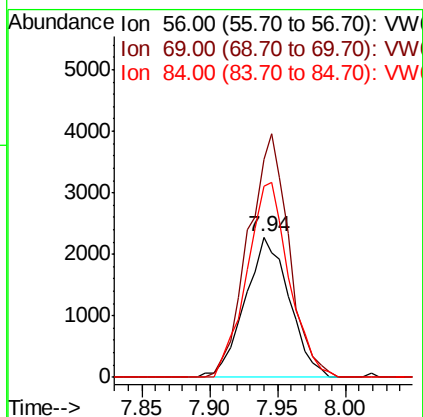
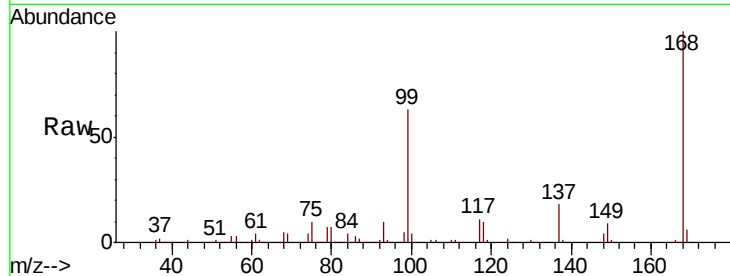




#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011091.D
Acq: 01 Jul 2019 18:02

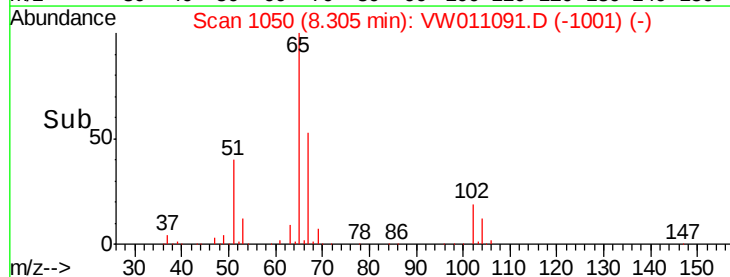
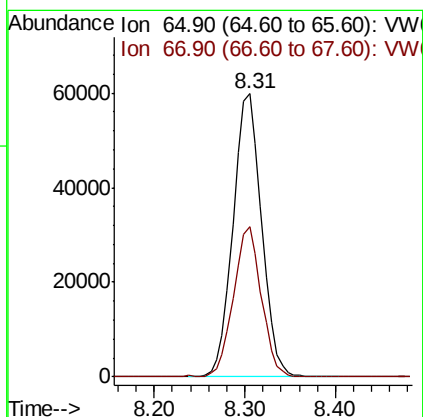
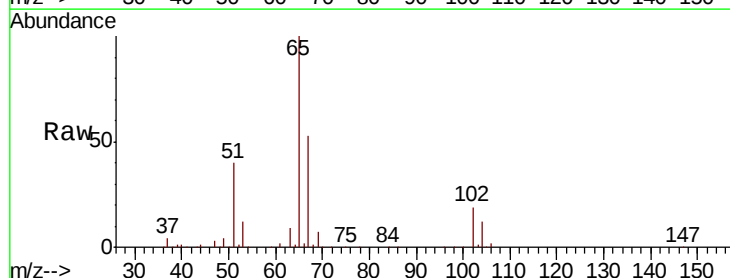
Instrument :
MSVOA_W
ClientSampleId :
SB-13-9.5-10.0

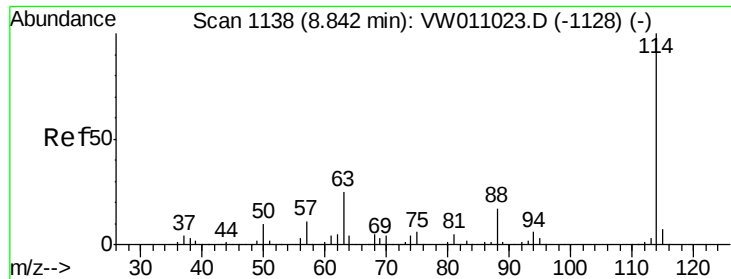
Tot Ion: 56 Resp: 5166
Ion Ratio Lower Upper
56 100
69 155.6 24.2 36.2#
84 136.6 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 51.766 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011091.D
Acq: 01 Jul 2019 18:02

Tgt Ion: 65 Resp: 130665
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4

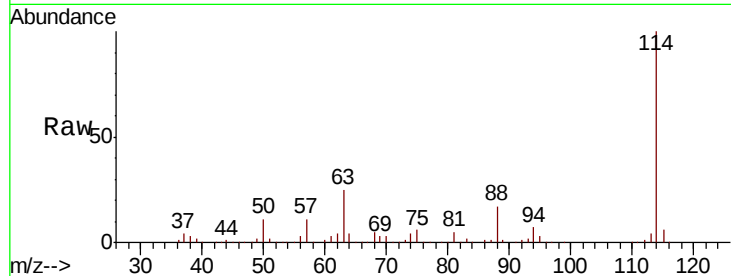




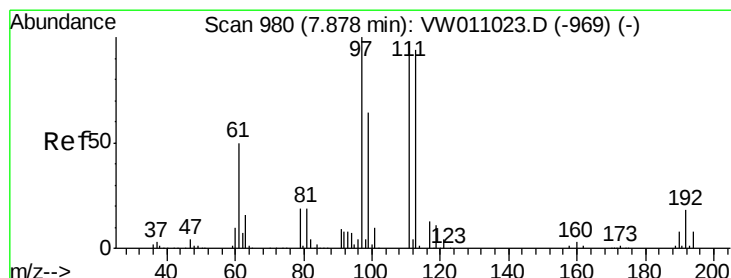
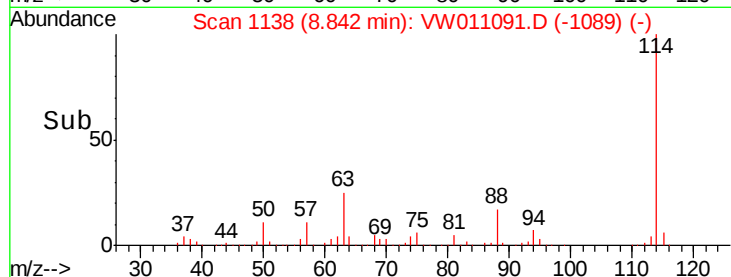
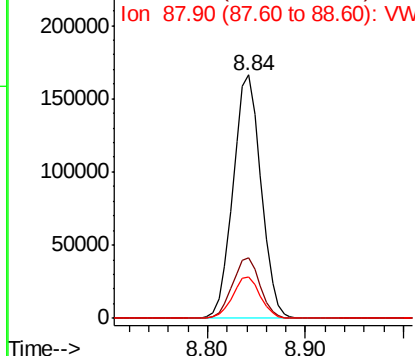
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011091.D
 Acq: 01 Jul 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-9.5-10.0

Tot Ion:114 Resp: 329910
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.6
 88 17.2 0.0 34.0

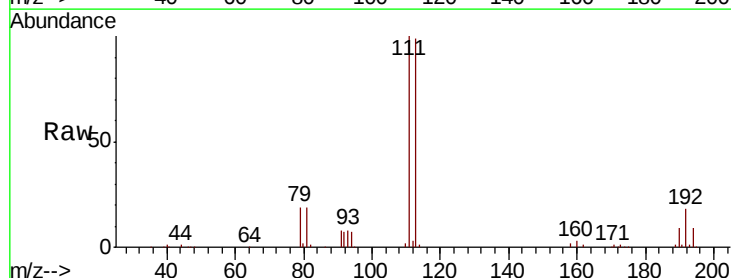


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

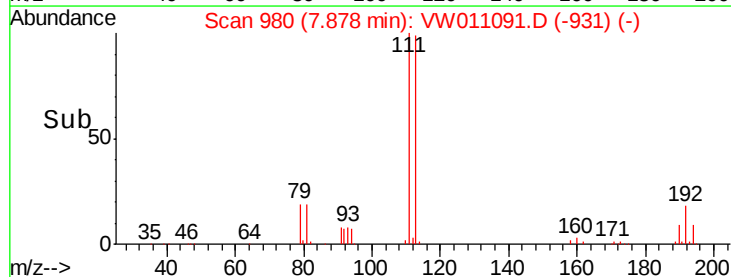
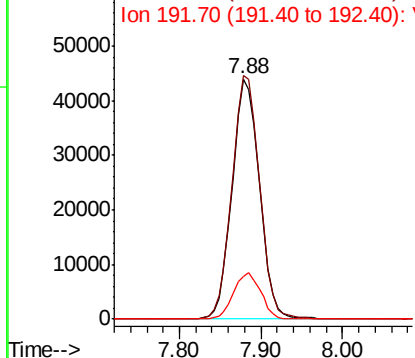


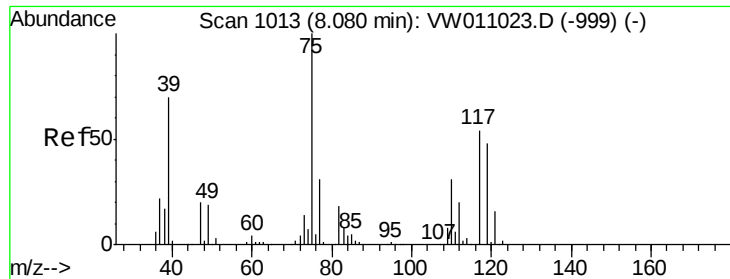
#35
 Dibromofluoromethane
 Concen: 50.422 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011091.D
 Acq: 01 Jul 2019 18:02

Tgt Ion:113 Resp: 101578
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.8 125.6
 192 19.2 16.0 24.0



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

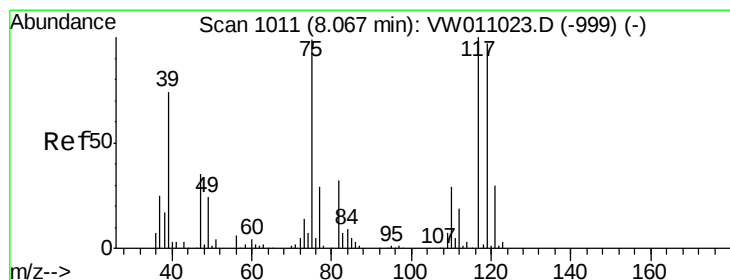
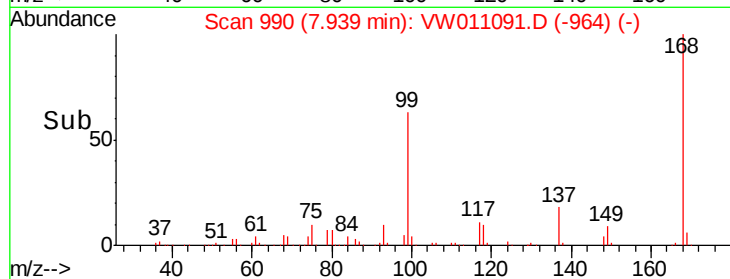
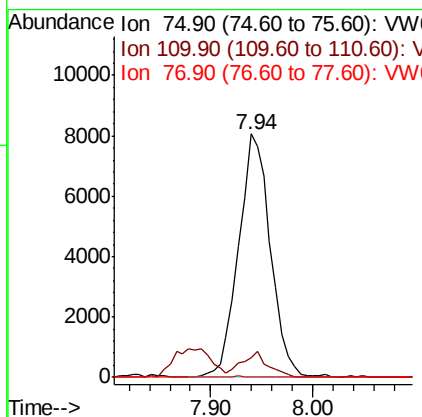
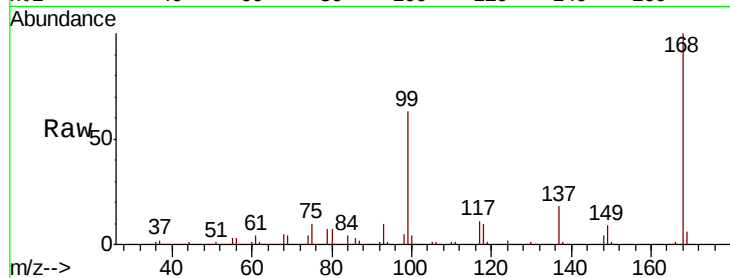




#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011091.D
 Acq: 01 Jul 2019 18:02

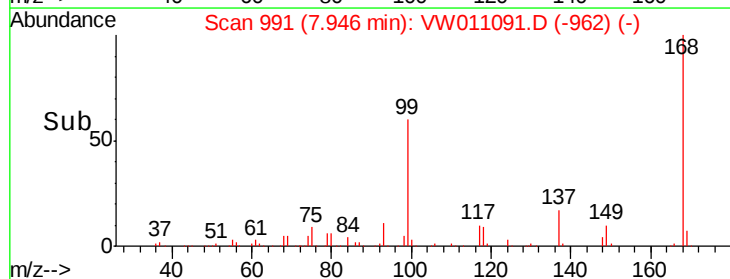
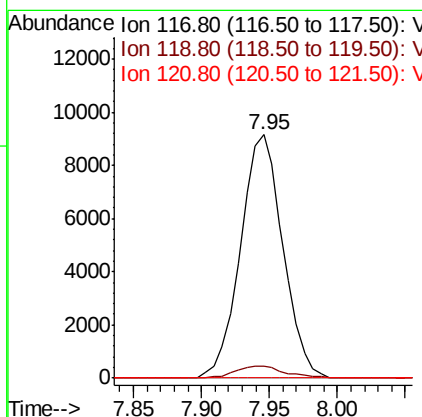
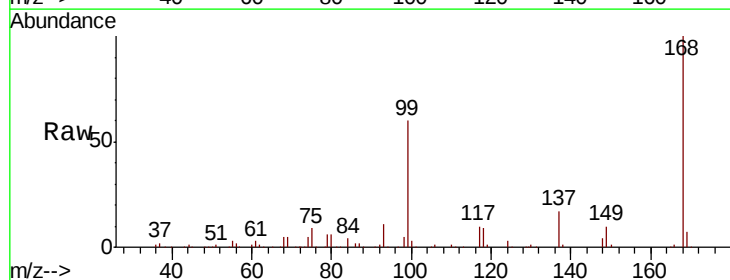
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-9.5-10.0

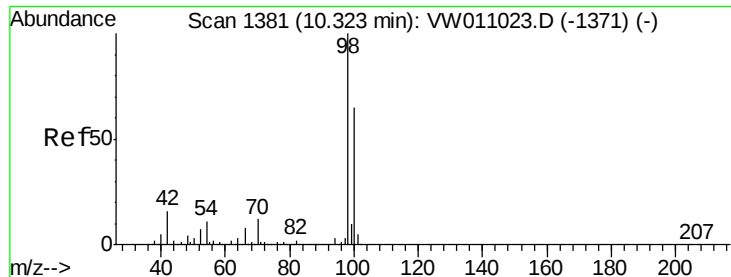
Tot Ion	75	Resp	17465
Ion Ratio	Lower	Upper	
75	100		
110	8.7	15.5	46.5#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.817 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011091.D
 Acq: 01 Jul 2019 18:02

Tgt Ion	117	Resp	19906
Ion Ratio	Lower	Upper	
117	100		
119	5.0	77.7	116.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 49.662 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

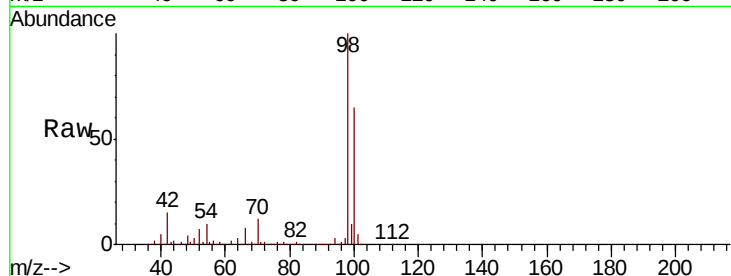
SB-13-9.5-10.0

Tot Ion: 98 Resp: 411822

Ion Ratio Lower Upper

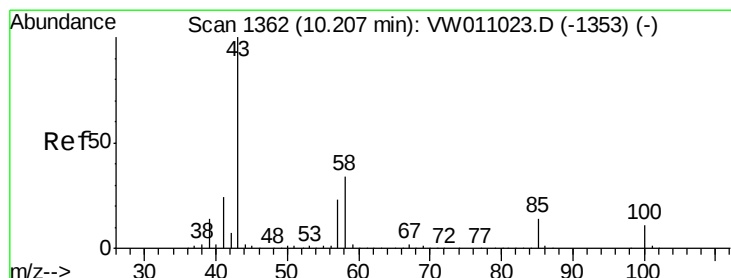
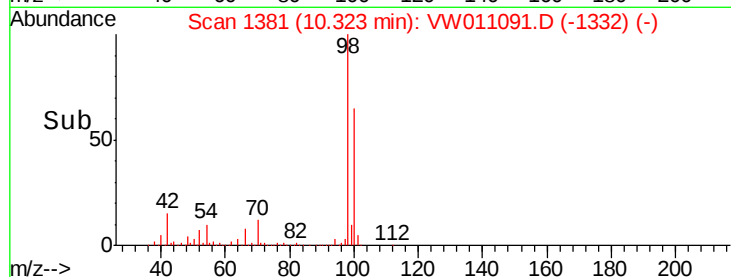
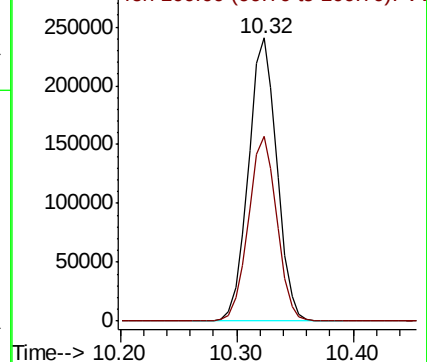
98 100

100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.120 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011091.D

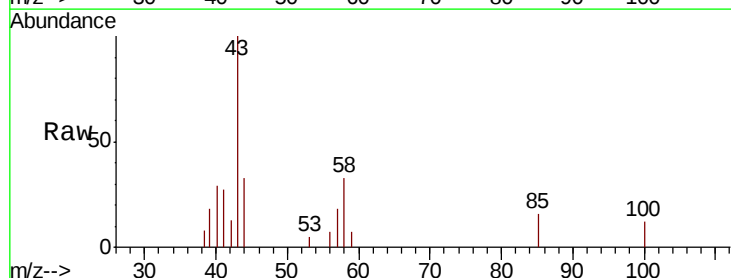
Acq: 01 Jul 2019 18:02

Tgt Ion: 43 Resp: 2301

Ion Ratio Lower Upper

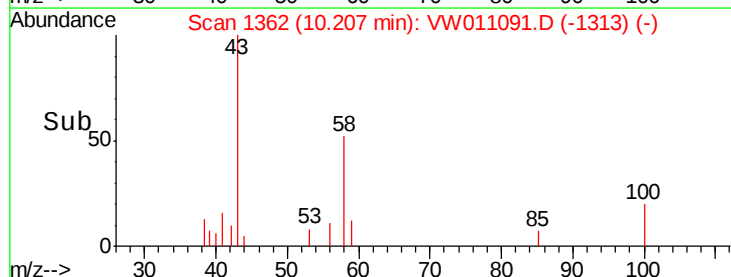
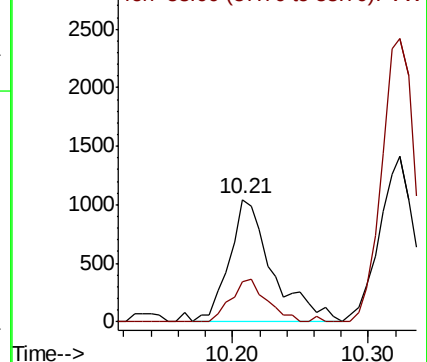
43 100

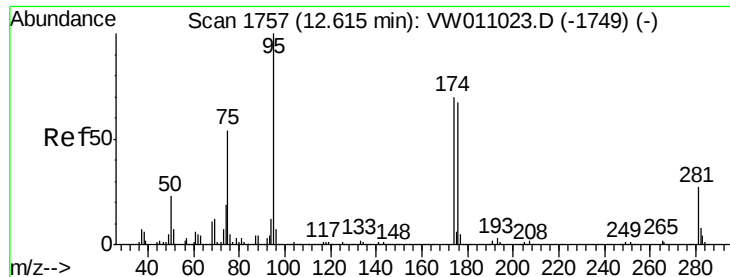
58 28.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 43.647 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

SB-13-9.5-10.0

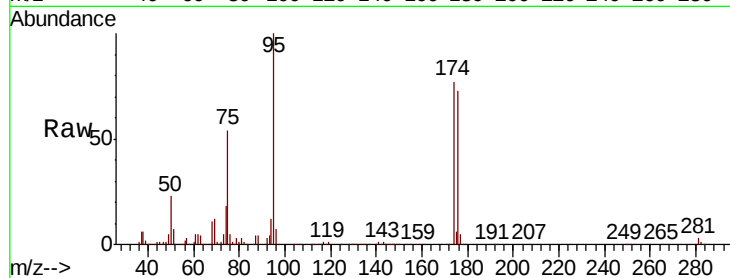
Tot Ion: 95 Resp: 132379

Ion Ratio Lower Upper

95 100

174 75.2 0.0 149.2

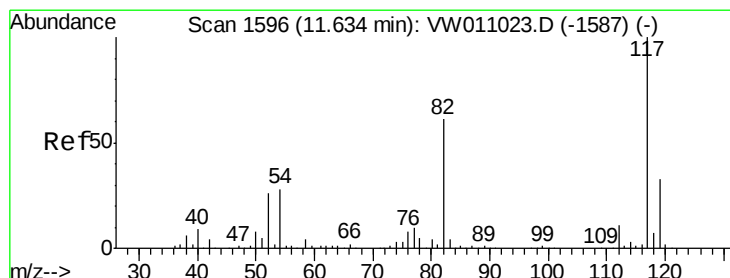
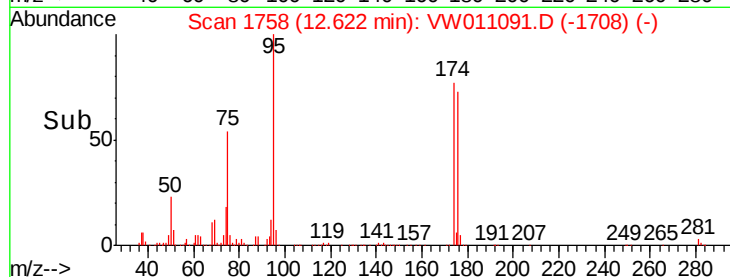
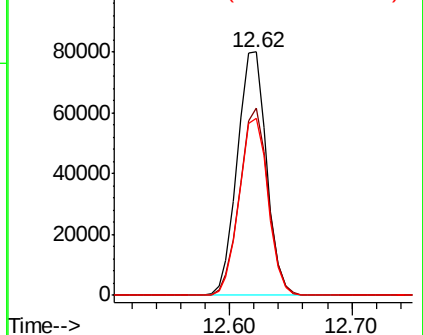
176 72.1 0.0 143.6



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. -0.01 min

Lab File: VW011091.D

Acq: 01 Jul 2019 18:02

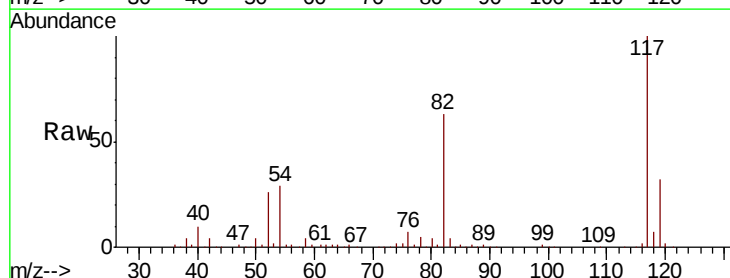
Tgt Ion: 117 Resp: 280306

Ion Ratio Lower Upper

117 100

82 62.7 48.6 73.0

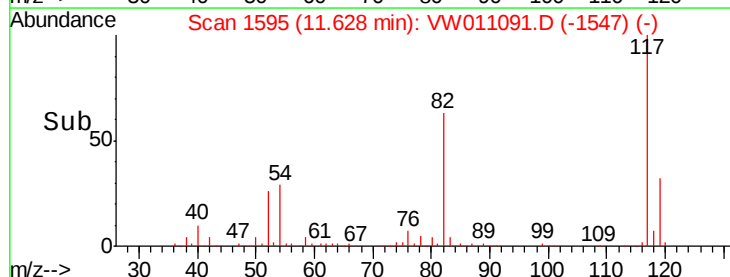
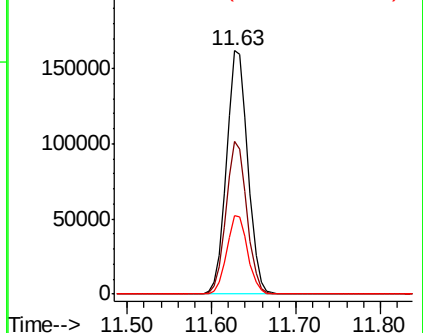
119 32.0 26.1 39.1

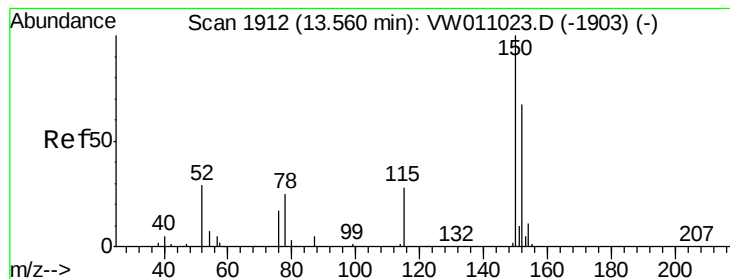


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

SB-13-9.5-10.0

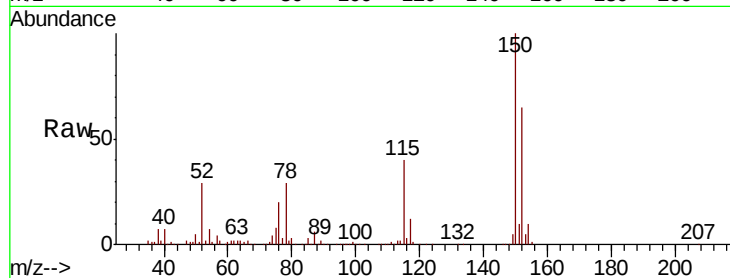
Tot Ion:152 Resp: 120053

Ion Ratio Lower Upper

152 100

115 60.3 30.7 92.1

150 156.1 0.0 341.8

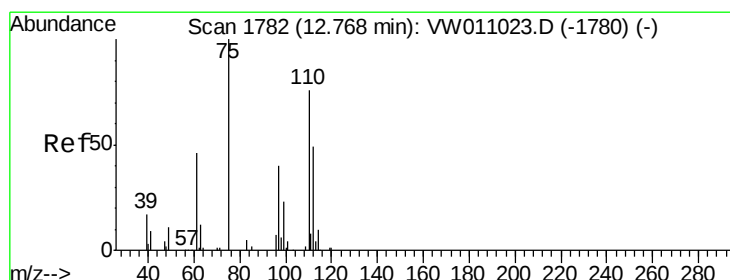
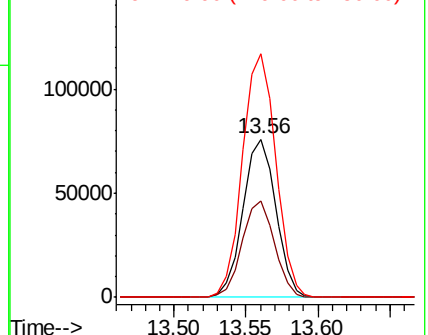
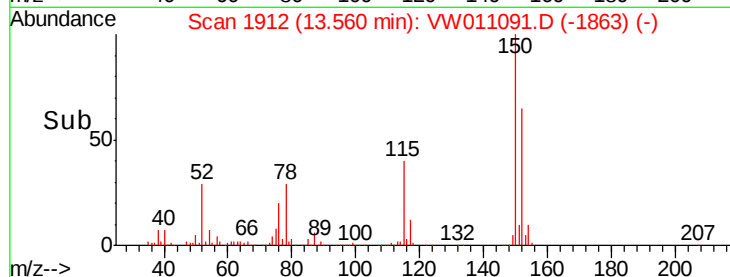


Abundance

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: 57.467 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011091.D

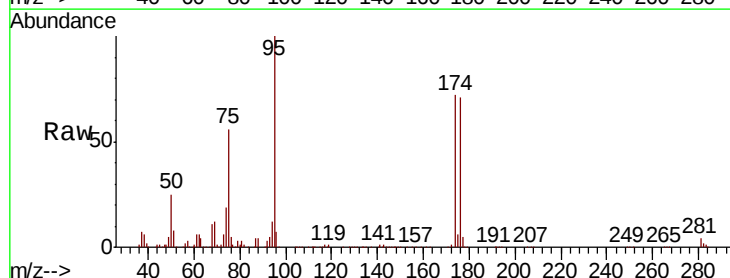
Acq: 01 Jul 2019 18:02

Tgt Ion: 75 Resp: 72837

Ion Ratio Lower Upper

75 100

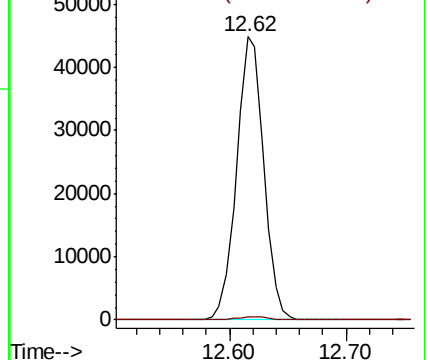
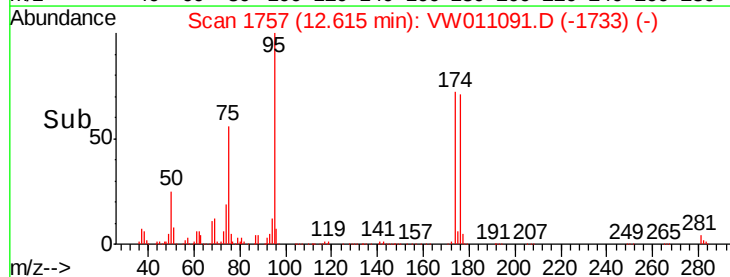
77 1.3 0.0 0.0#

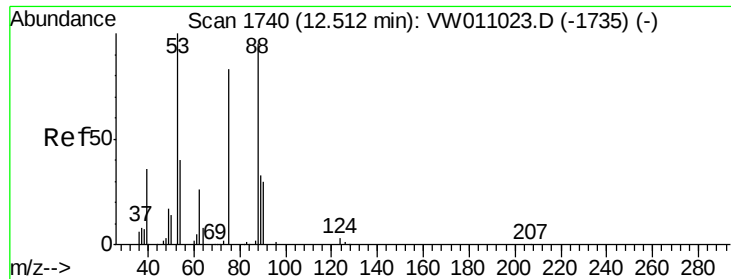


Abundance

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: 116.345 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011091.D

Acq: 01 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

SB-13-9.5-10.0

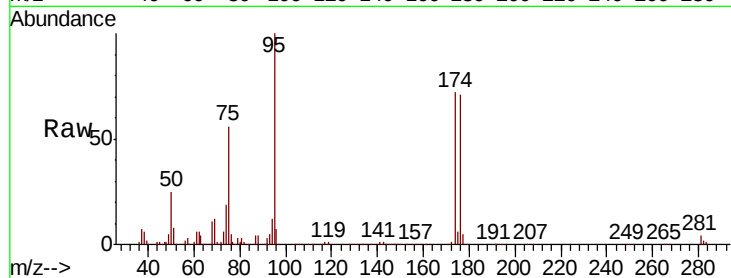
Tot Ion: 75 Resp: 72837

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#



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

