

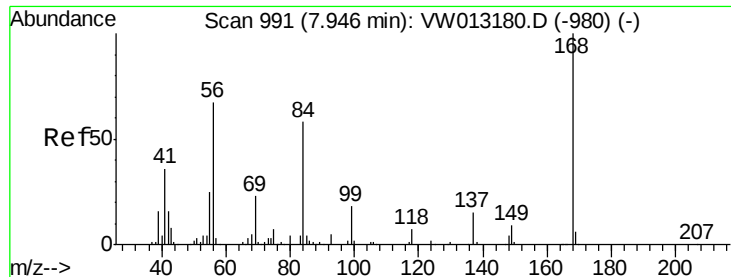
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013351.D
 Acq On : 01 Oct 2019 00:48
 Operator : SY/VA
 Sample : K4946-02
 Misc : 5.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-1 (1-3)

Quant Time: Oct 01 05:41:43 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	355777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	532933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	155120	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
35) Dibromofluoromethane	7.88	113	156216	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
50) Toluene-d8	10.32	98	618423	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	150287	35.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	114	Below Cal	#	73
16) Acetone	4.14	43	12282	18.757	ug/l	92
20) Methylene Chloride	4.90	84	16889	2.270	ug/l	96
26) 2,2-Dichloropropane	7.15	77	640	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	22459	4.351	ug/l #	49
38) Carbon Tetrachloride	7.94	117	30569	6.606	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	72109	62.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72109	140.080	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Instrument :

MSVOA_W

ClientSampled :

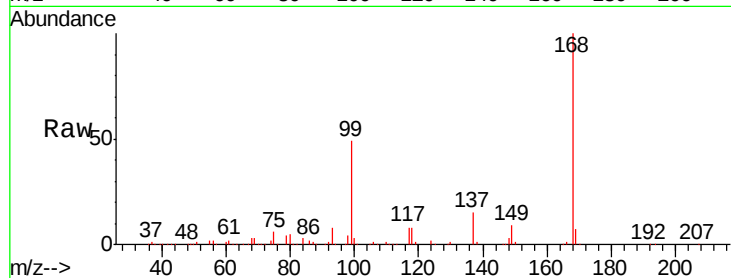
GP-1 (1-3)

Tgt Ion: 168 Resp: 355777

Ion Ratio Lower Upper

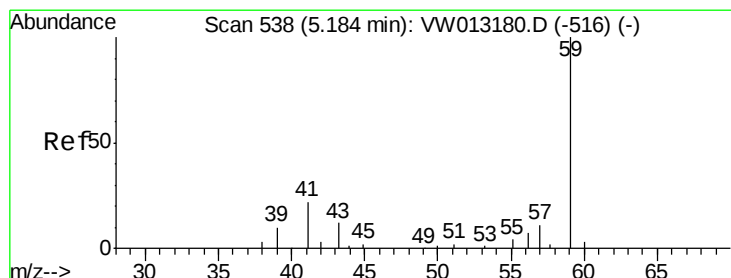
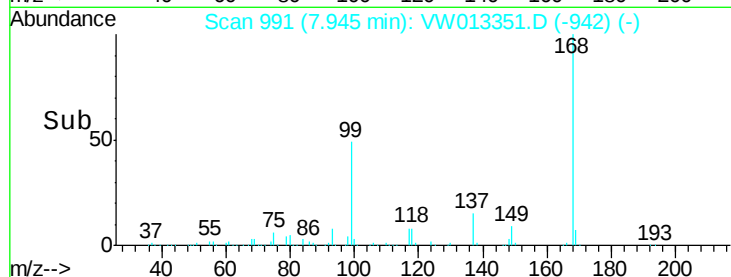
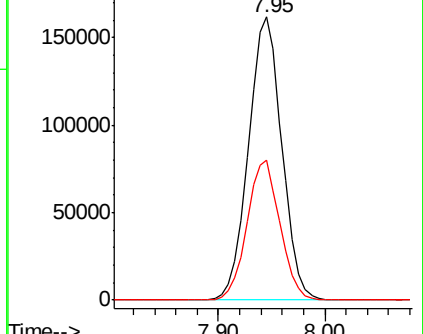
168 100

99 49.4 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: 5.24 min Scan# 548

Delta R.T. 0.06 min

Lab File: VW013351.D

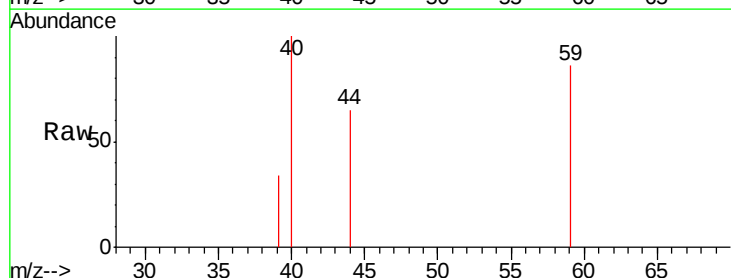
Acq: 01 Oct 2019 00:48

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

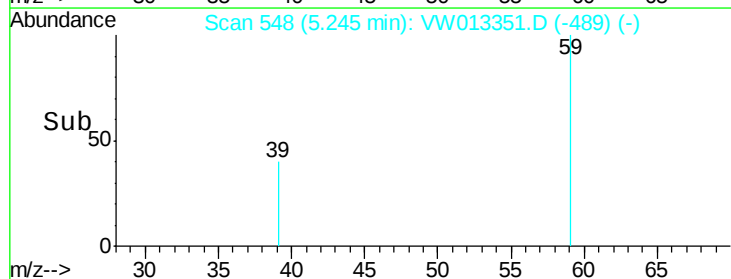
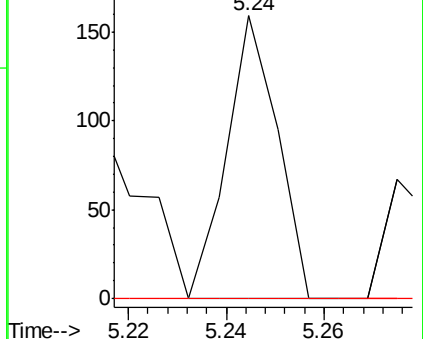
59 100

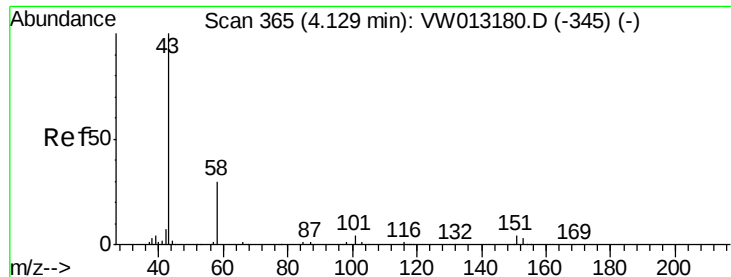
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 18.757 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Instrument :

MSVOA_W

ClientSampleId :

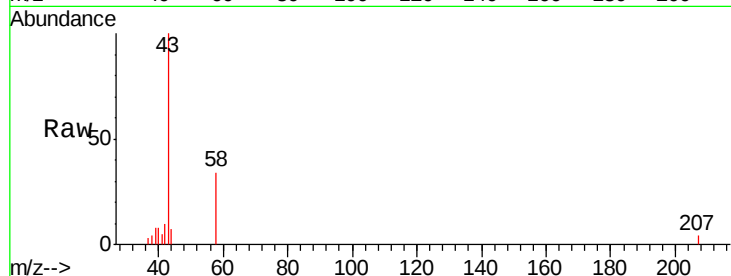
GP-1 (1-3)

Tgt Ion: 43 Resp: 12282

Ion Ratio Lower Upper

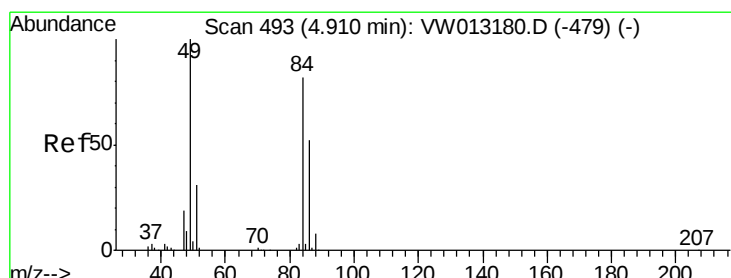
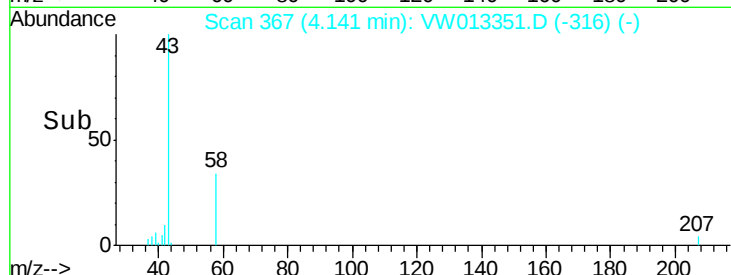
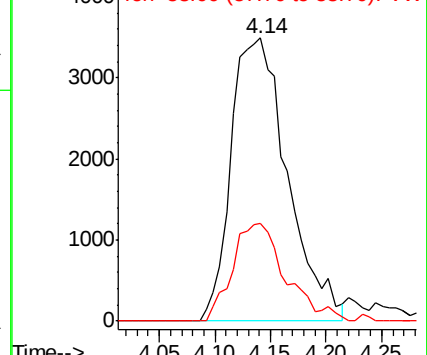
43 100

58 34.4 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: 2.270 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Tgt Ion: 84 Resp: 16889

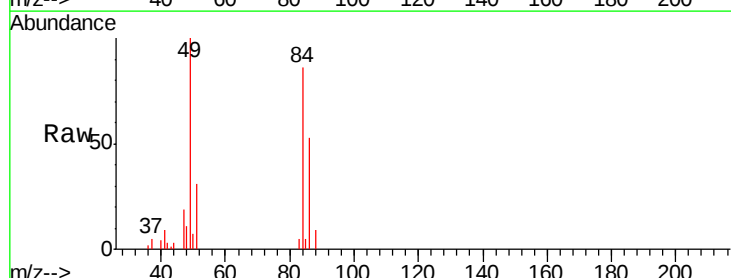
Ion Ratio Lower Upper

84 100

49 116.5 97.6 146.4

51 35.7 30.2 45.2

86 61.7 50.6 76.0

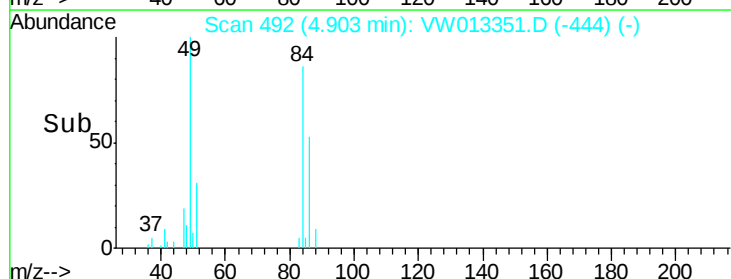
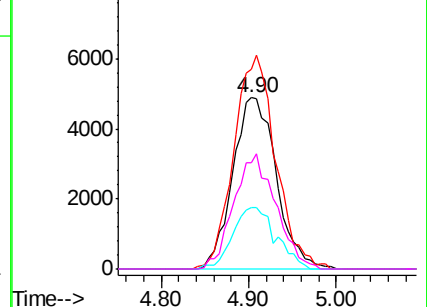


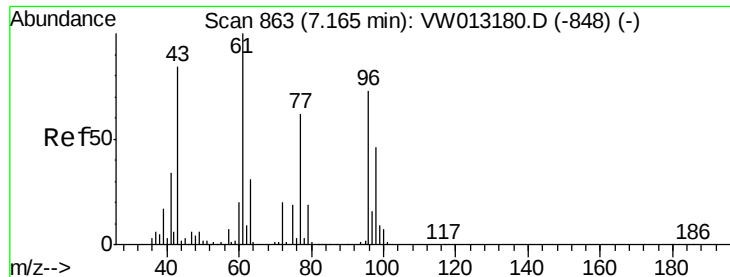
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Instrument :

MSVOA_W

ClientSampled :

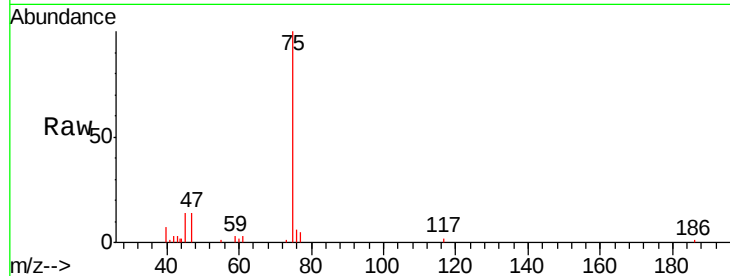
GP-1 (1-3)

Tgt Ion: 77 Resp: 640

Ion Ratio Lower Upper

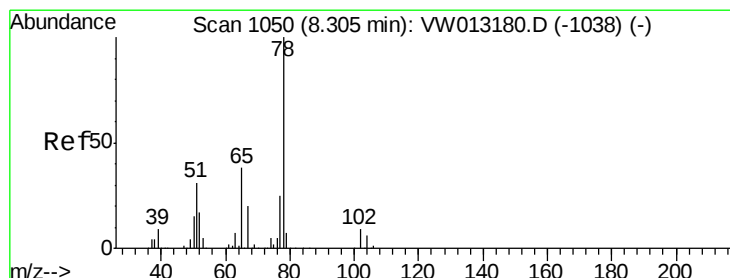
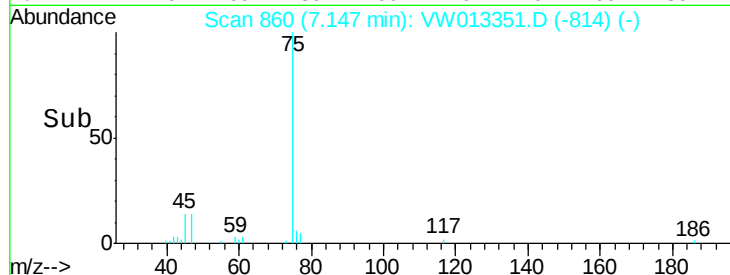
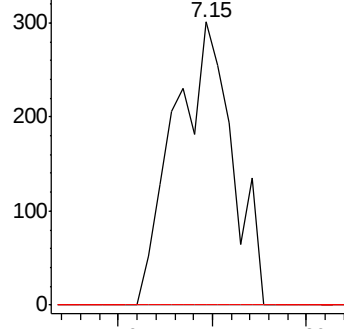
77 100

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



#33

1,2-Dichloroethane-d4

Concen: 53.422 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013351.D

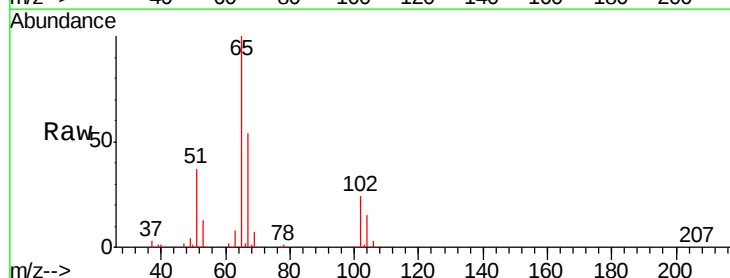
Acq: 01 Oct 2019 00:48

Tgt Ion: 65 Resp: 155120

Ion Ratio Lower Upper

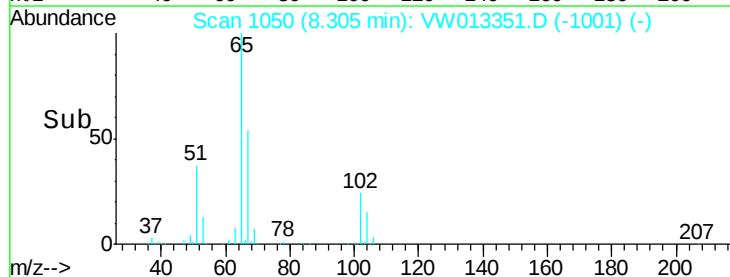
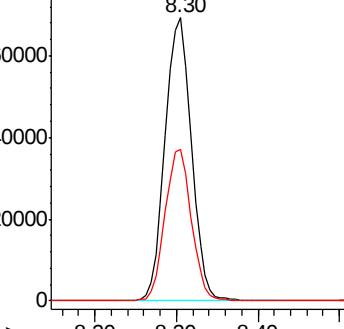
65 100

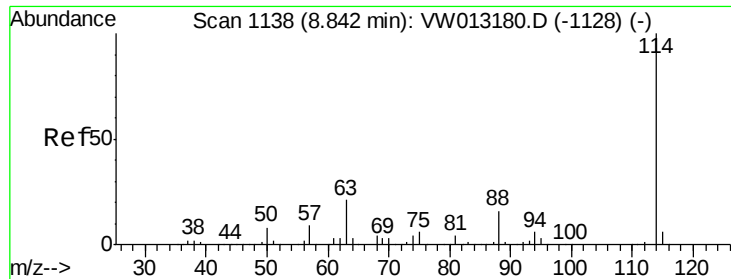
67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

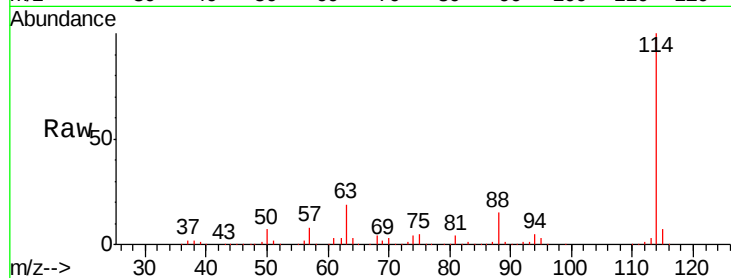




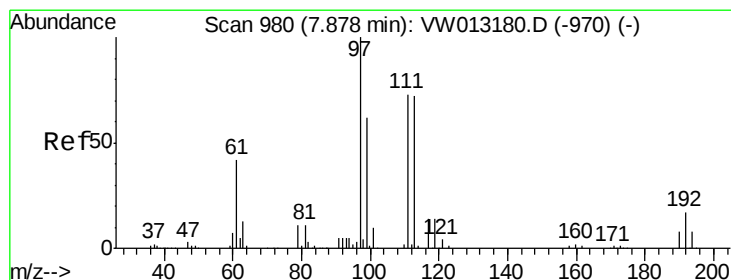
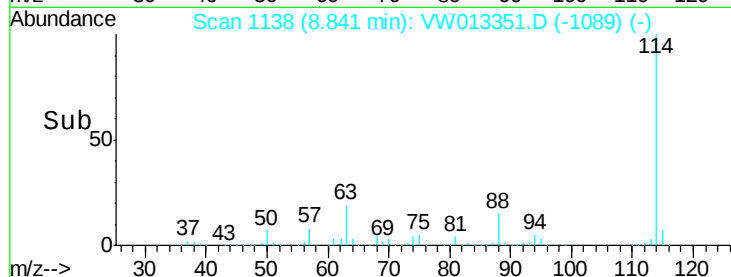
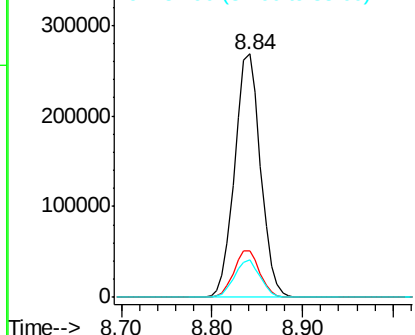
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013351.D
 Acq: 01 Oct 2019 00:48

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-1 (1-3)

Tgt Ion:114 Resp: 532933
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.2 0.0 32.0

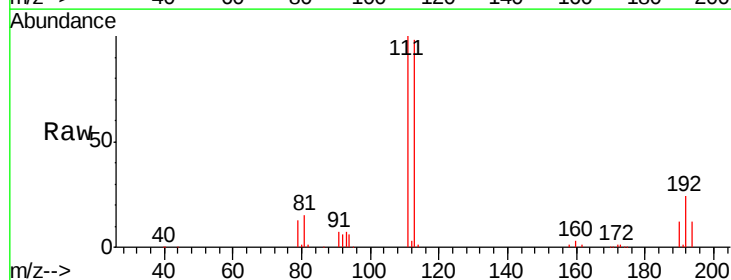


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

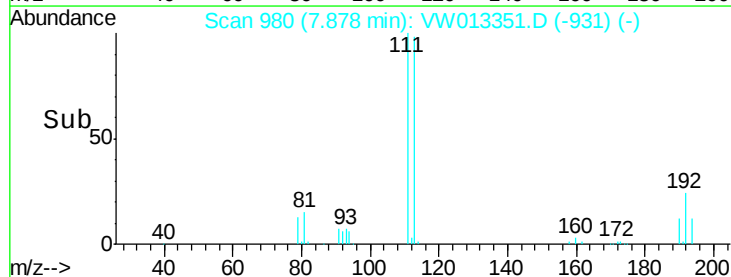
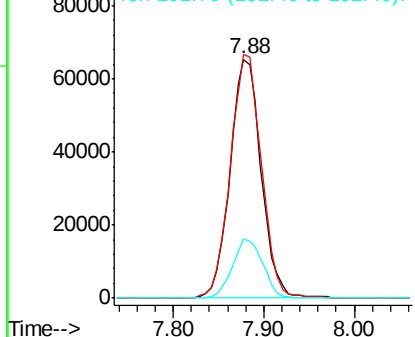


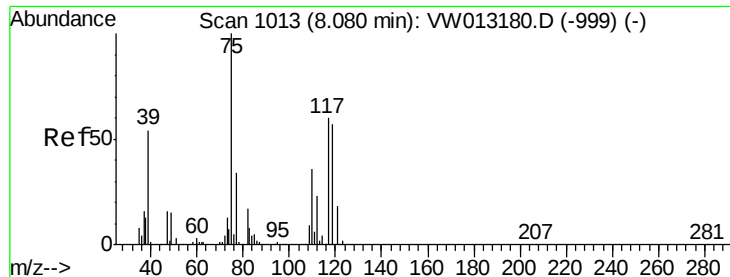
#35
 Dibromofluoromethane
 Concen: 53.295 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013351.D
 Acq: 01 Oct 2019 00:48

Tgt Ion:113 Resp: 156216
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 24.3 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: 4.351 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Instrument :

MSVOA_W

ClientSampled :

GP-1 (1-3)

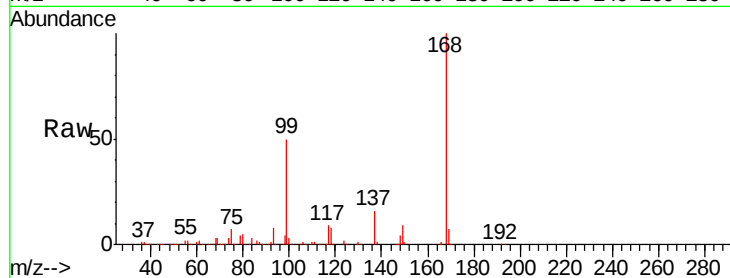
Tgt Ion: 75 Resp: 22459

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.3#

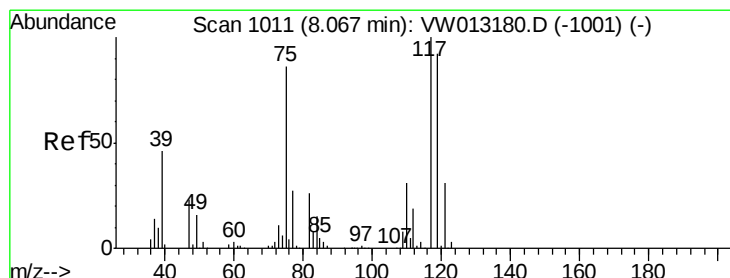
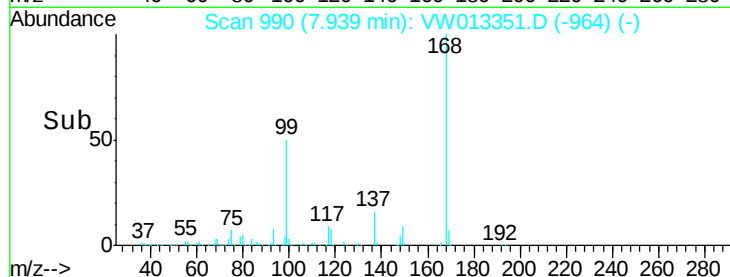
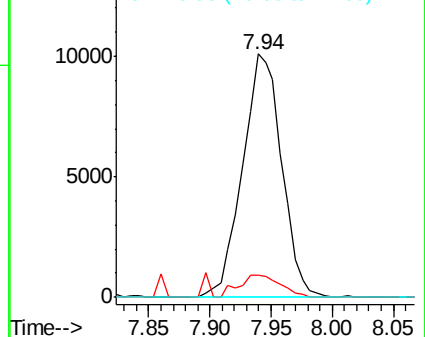
77 0.0 25.8 38.6#



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: 6.606 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

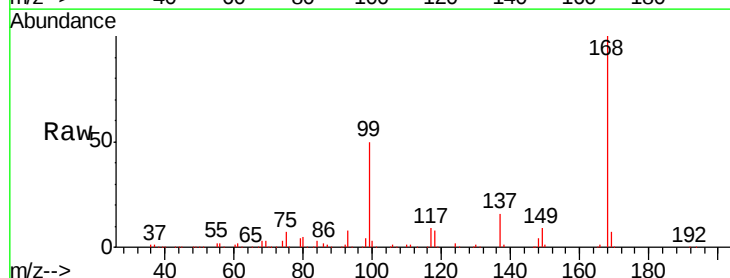
Tgt Ion: 117 Resp: 30569

Ion Ratio Lower Upper

117 100

119 5.0 73.5 110.3#

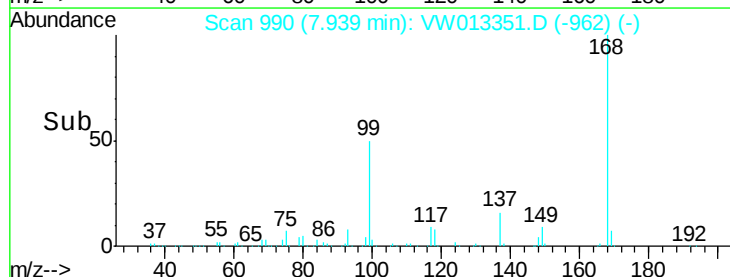
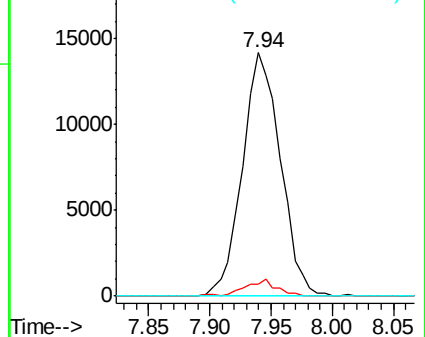
121 0.0 25.0 37.6#

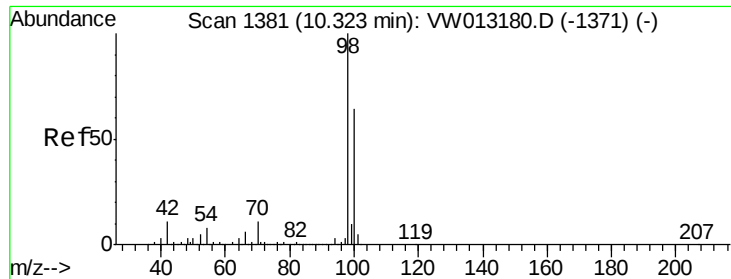


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.413 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

Instrument :

MSVOA_W

ClientSampleId :

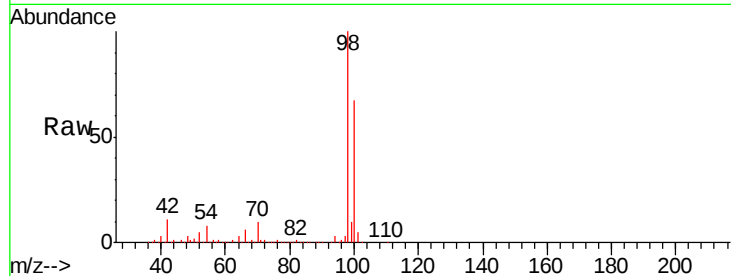
GP-1 (1-3)

Tgt Ion: 98 Resp: 618423

Ion Ratio Lower Upper

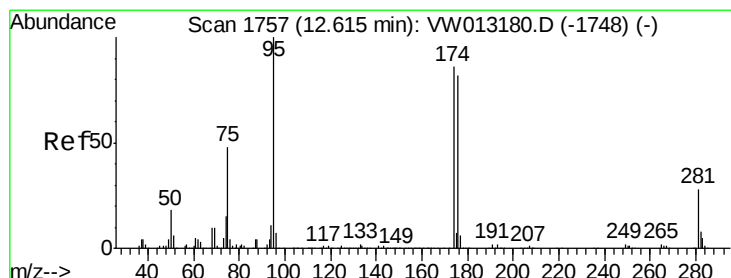
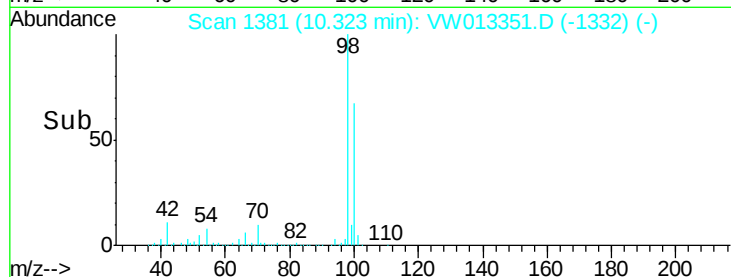
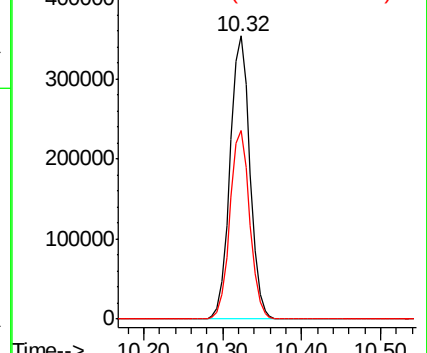
98 100

100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 35.865 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013351.D

Acq: 01 Oct 2019 00:48

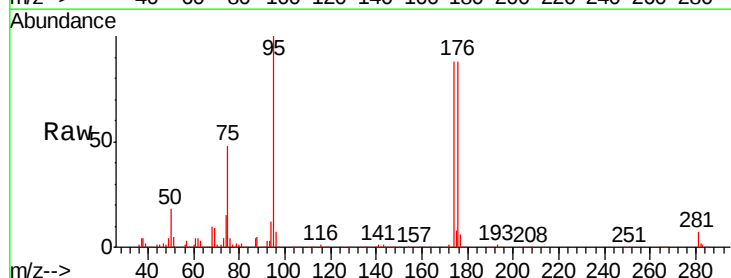
Tgt Ion: 95 Resp: 150287

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.4

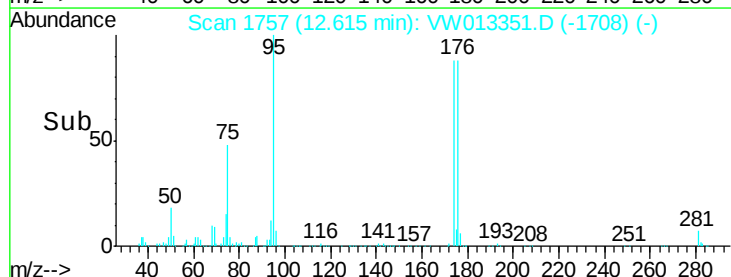
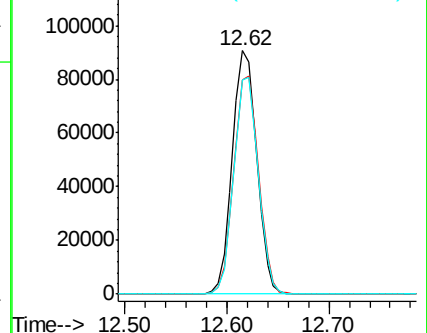
176 89.0 0.0 172.2

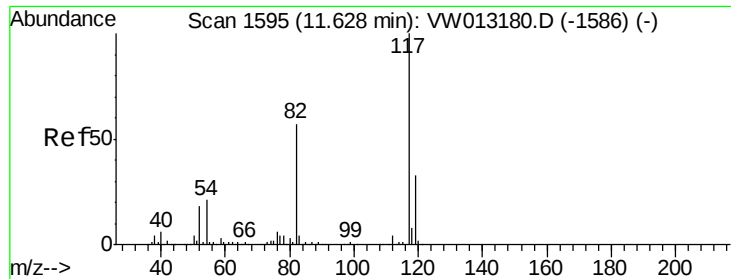


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

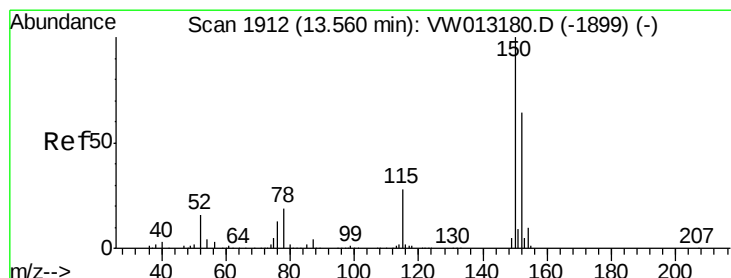
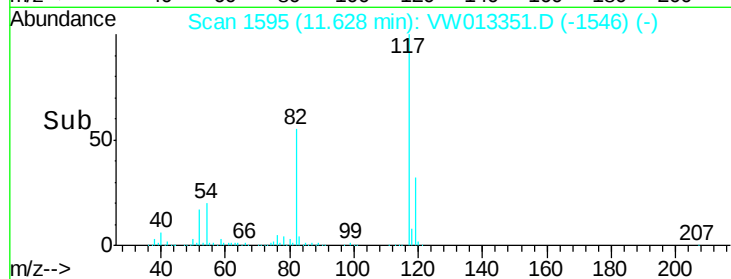
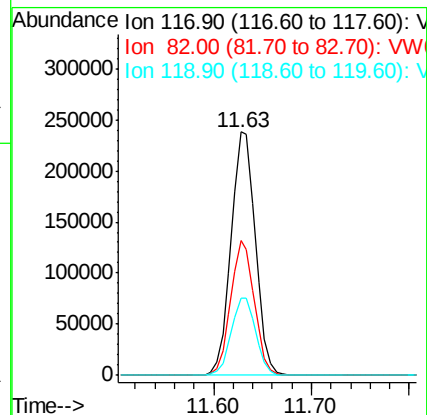
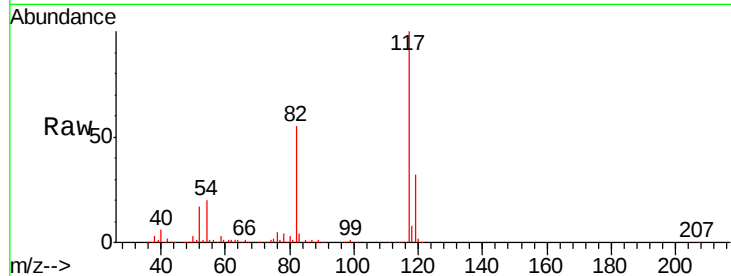




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013351.D
Acq: 01 Oct 2019 00:48

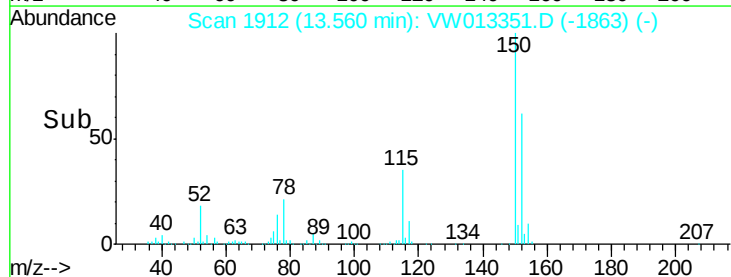
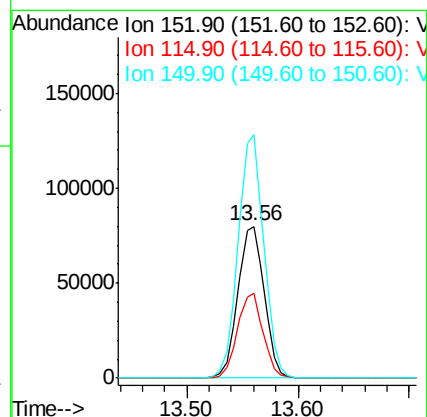
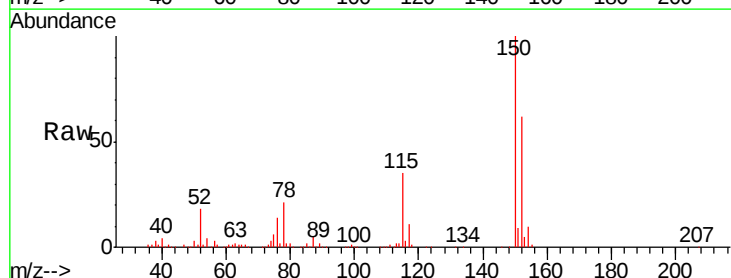
Instrument :
MSVOA_W
ClientSampleId :
GP-1 (1-3)

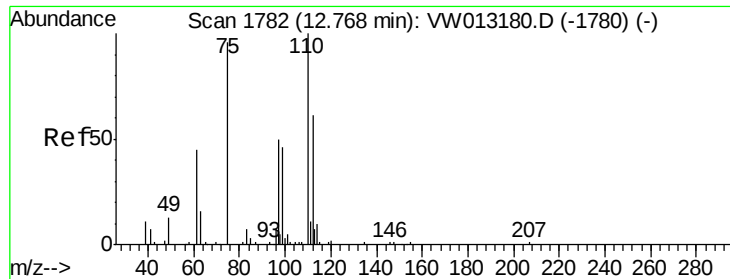
Tgt Ion:117 Resp: 410281
Ion Ratio Lower Upper
117 100
82 55.4 45.9 68.9
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013351.D
Acq: 01 Oct 2019 00:48

Tgt Ion:152 Resp: 130796
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 156.3 0.0 349.0

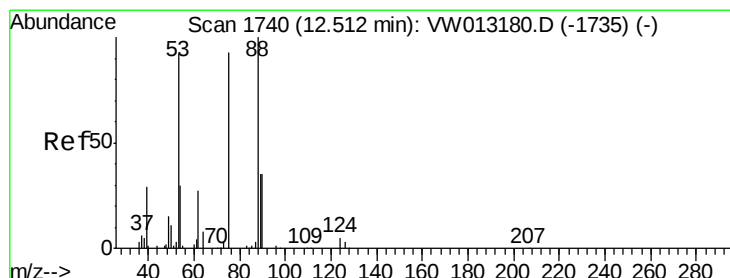
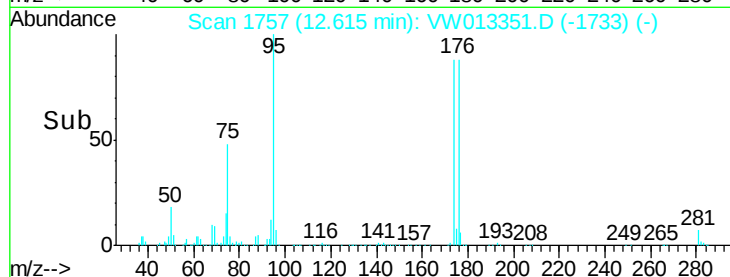
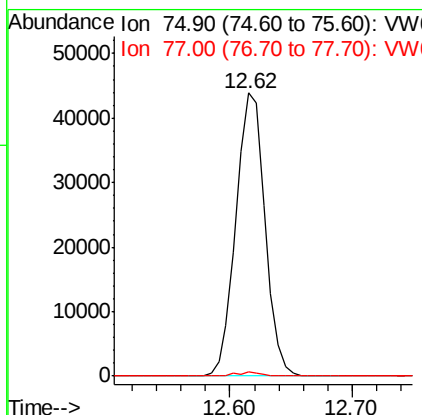
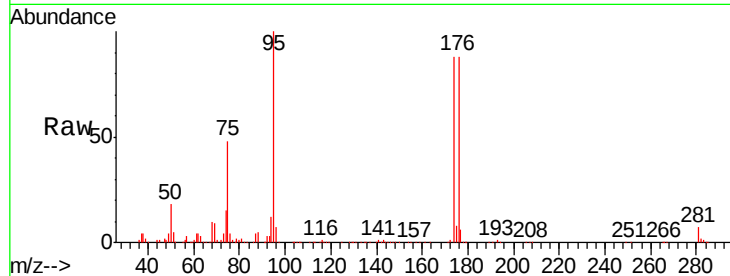




#76
 1,2,3-Trichloropropane
 Concen: 62.427 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013351.D
 Acq: 01 Oct 2019 00:48

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-1 (1-3)

Tgt Ion: 75 Resp: 72109
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.080 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013351.D
 Acq: 01 Oct 2019 00:48

Tgt Ion: 75 Resp: 72109
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.1 33.5 50.3#

