

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013253.D
 Acq On : 24 Sep 2019 02:54
 Operator : SY/VA
 Sample : K4962-08
 Misc : 4.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TH-5

Quant Time: Sep 24 06:45:18 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	7.94	168	357283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	535794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	486858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	198694	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	159808	54.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.60%	
35) Dibromofluoromethane	7.88	113	150923	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	
50) Toluene-d8	10.32	98	649920	52.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.62	95	207708	49.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.60%	

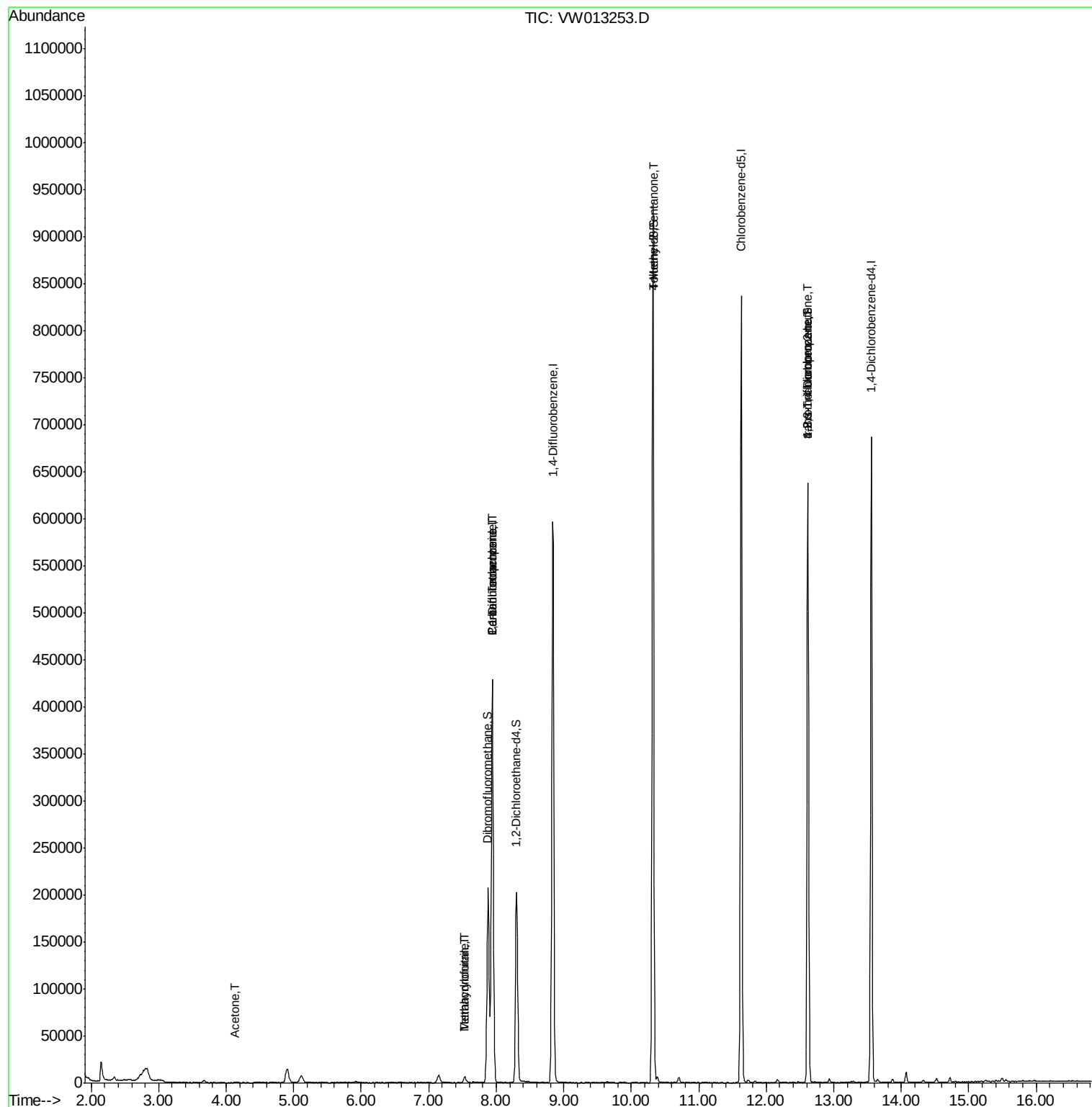
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1030	Below Cal	#	73
16) Acetone	4.14	43	992	1.509	ug/l #	45
26) 2,2-Dichloropropane	7.14	77	621	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	5313	8.776	ug/l	97
36) 1,1-Dichloropropene	7.94	75	23668	4.561	ug/l #	49
38) Carbon Tetrachloride	7.95	117	30480	6.552	ug/l #	17
41) Methacrylonitrile	7.54	41	3014	2.290	ug/l #	50
51) 4-Methyl-2-Pentanone	10.32	43	2759	1.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	98220	55.974	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	98220	125.602	ug/l #	12

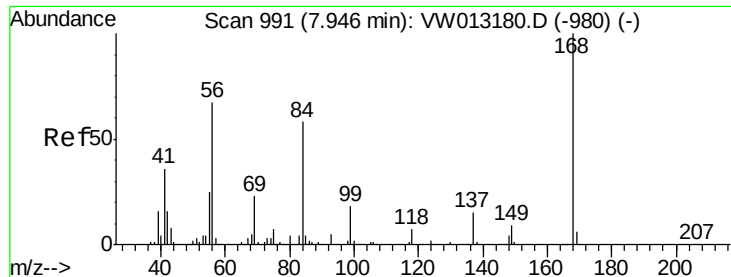
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampled :

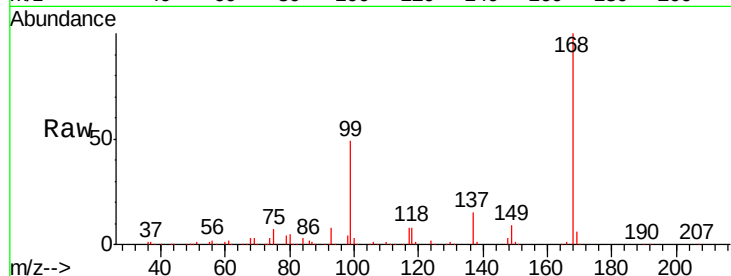
TH-5

Tgt Ion:168 Resp: 357283

Ion Ratio Lower Upper

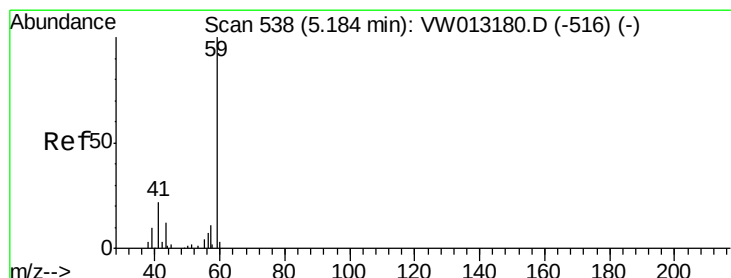
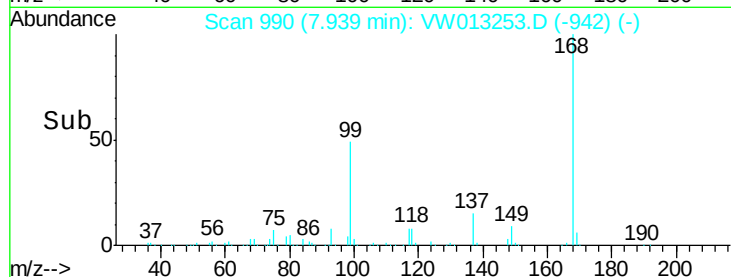
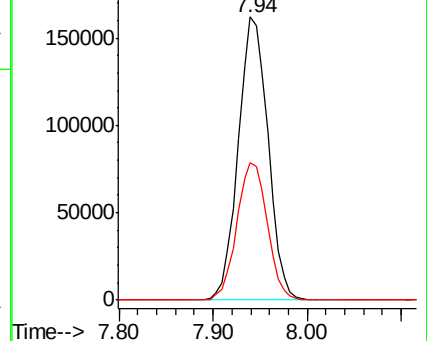
168 100

99 48.5 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: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW013253.D

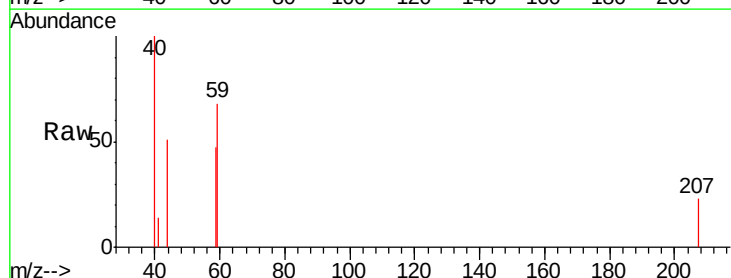
Acq: 24 Sep 2019 02:54

Tgt Ion: 59 Resp: 1030

Ion Ratio Lower Upper

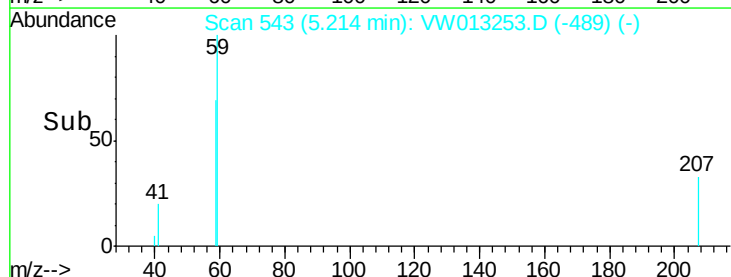
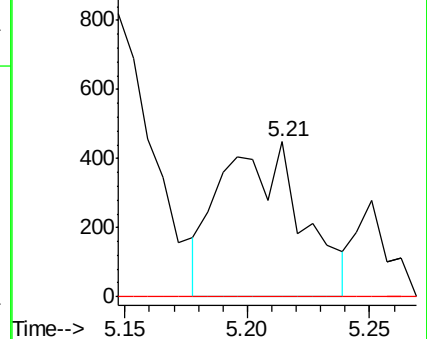
59 100

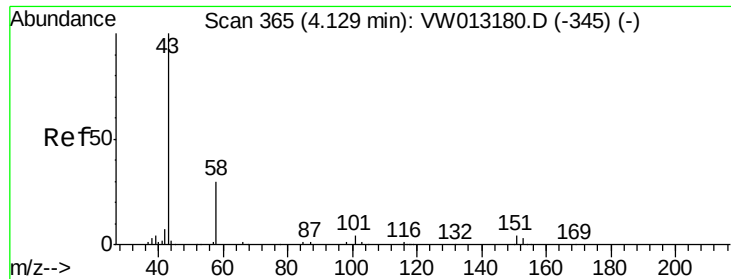
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.509 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampled :

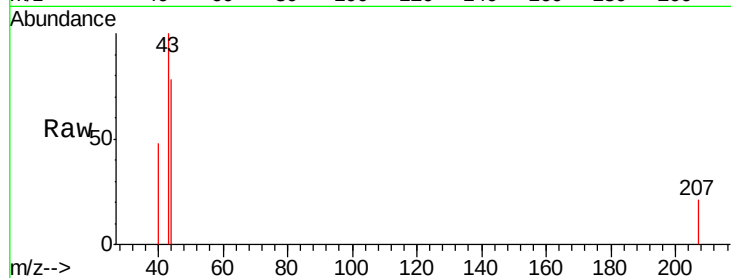
TH-5

Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

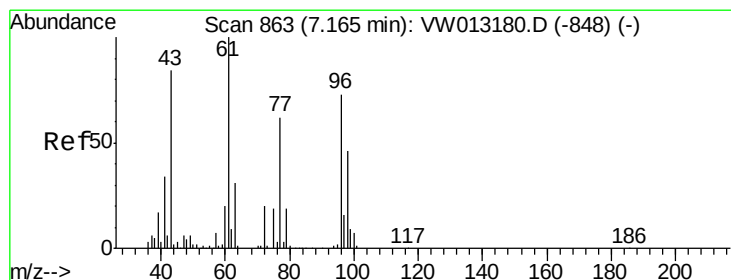
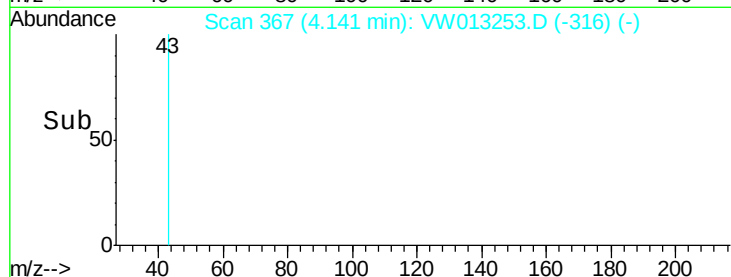
300

200

100

0

Time--> 4.05 4.10 4.15 4.20



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013253.D

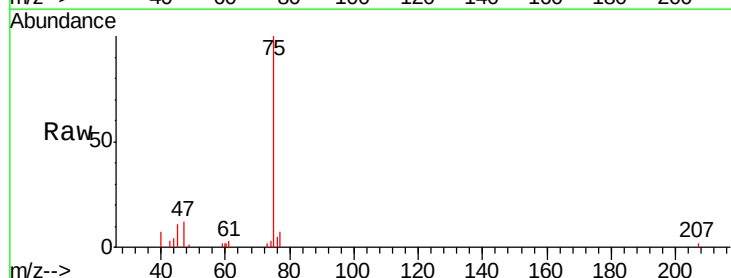
Acq: 24 Sep 2019 02:54

Tgt Ion: 77 Resp: 621

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

7.14

400

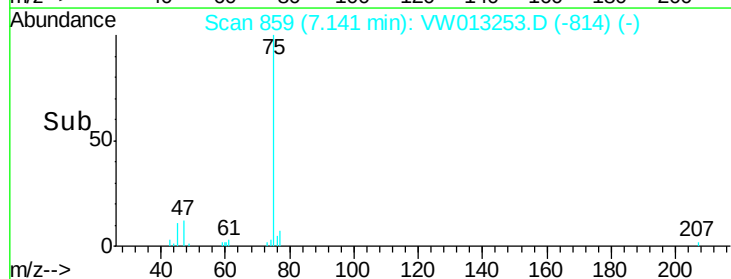
300

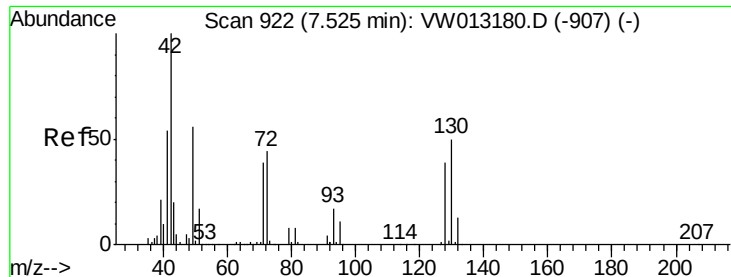
200

100

0

Time--> 7.10 7.15 7.20

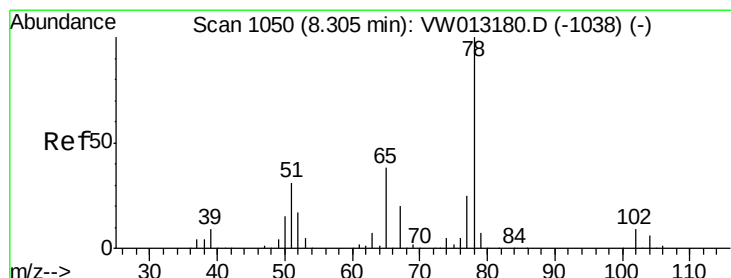
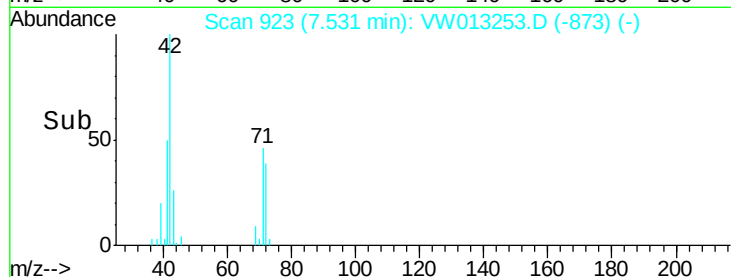
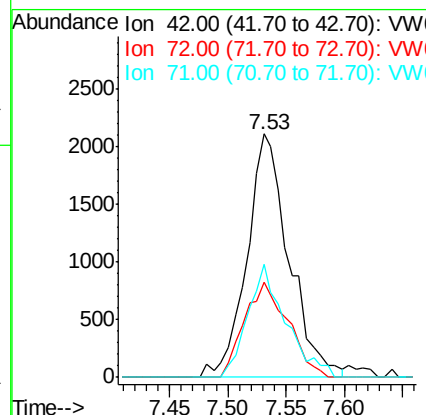
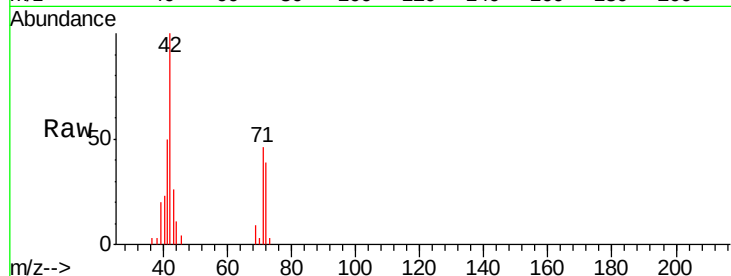




#29
Tetrahydrofuran
Concen: 8.776 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013253.D
Acq: 24 Sep 2019 02:54

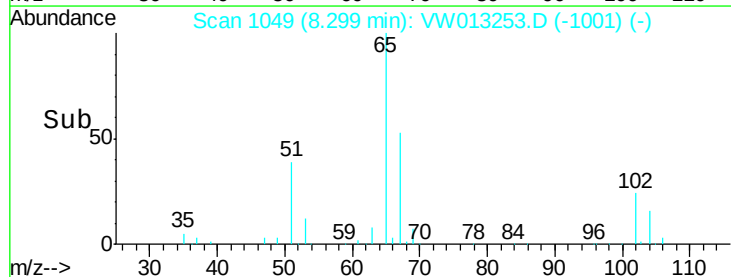
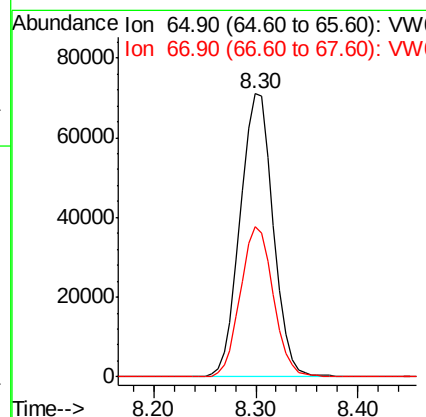
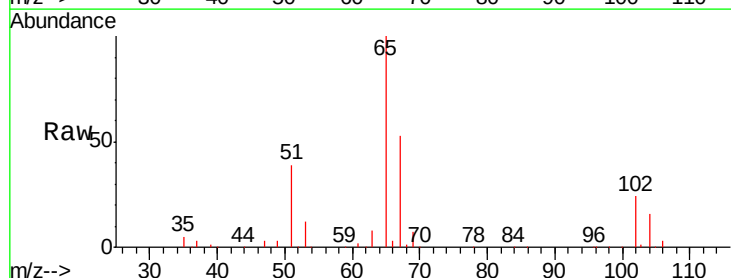
Instrument :
MSVOA_W
ClientSampled :
TH-5

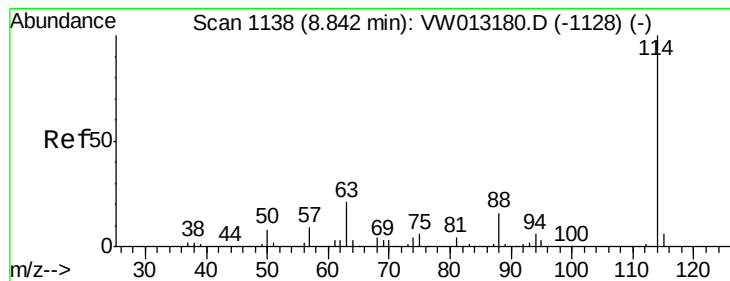
Tgt Ion: 42 Resp: 5313
Ion Ratio Lower Upper
42 100
72 40.6 33.9 50.9
71 41.9 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 54.805 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013253.D
Acq: 24 Sep 2019 02:54

Tgt Ion: 65 Resp: 159808
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

TH-5

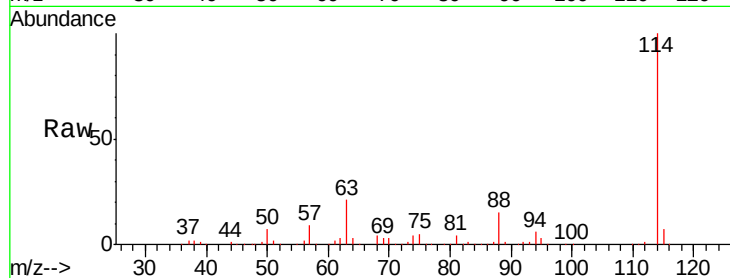
Tgt Ion:114 Resp: 535794

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

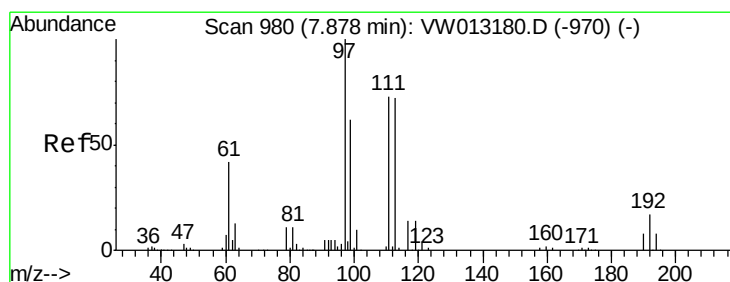
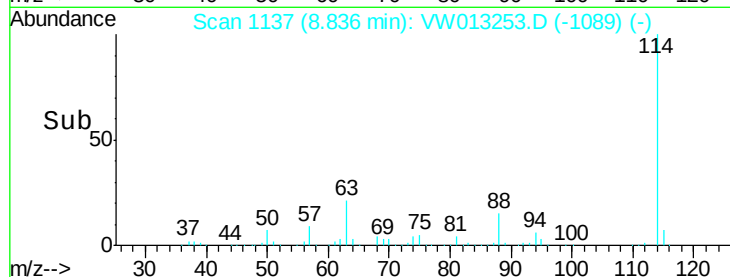
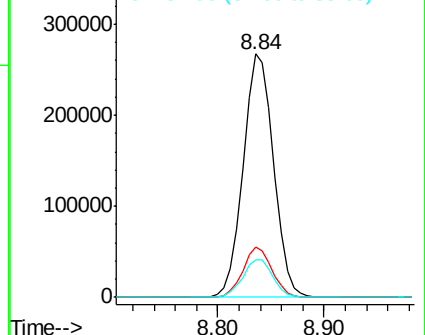
88 15.4 0.0 32.0



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: 51.215 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

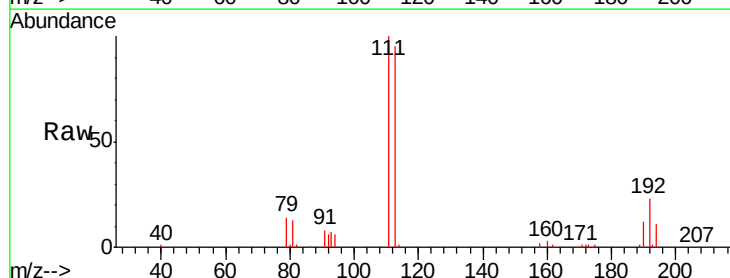
Tgt Ion:113 Resp: 150923

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

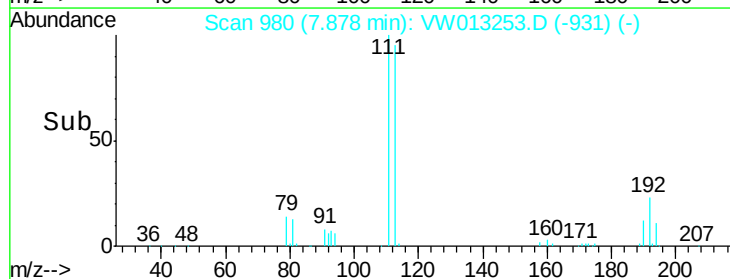
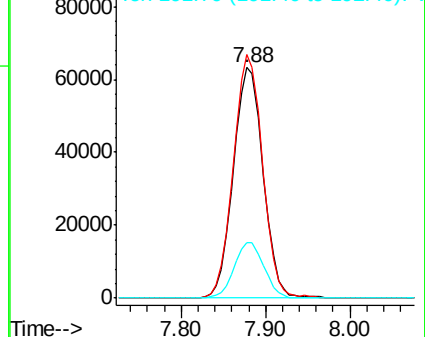
192 24.1 19.1 28.7

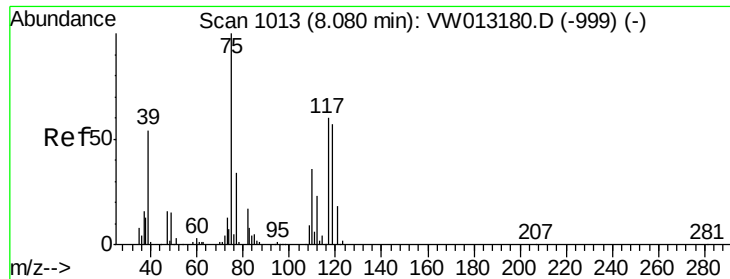


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.561 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

TH-5

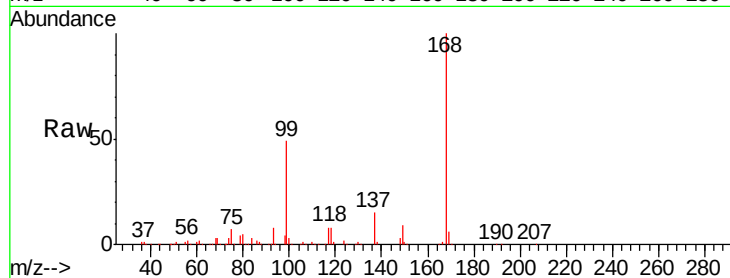
Tgt Ion: 75 Resp: 23668

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

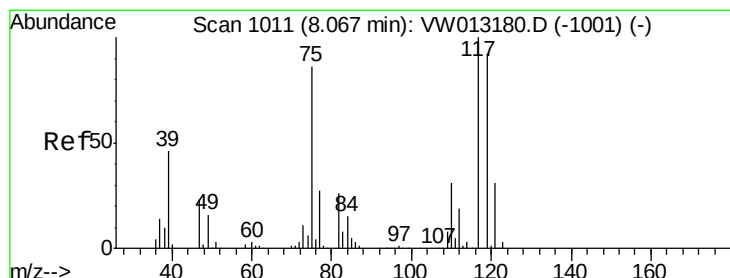
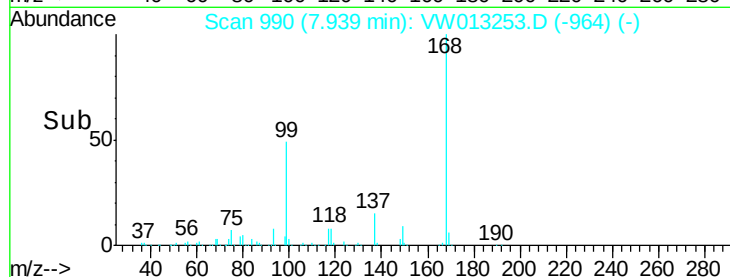
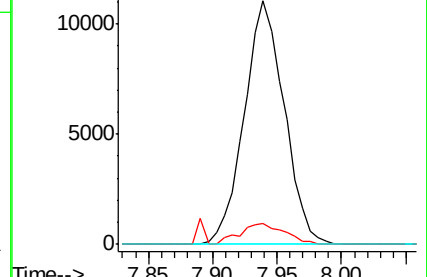
77 0.0 25.8 38.6#



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: 6.552 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

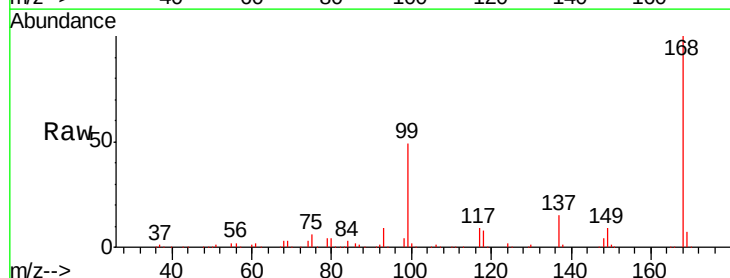
Tgt Ion: 117 Resp: 30480

Ion Ratio Lower Upper

117 100

119 4.1 73.5 110.3#

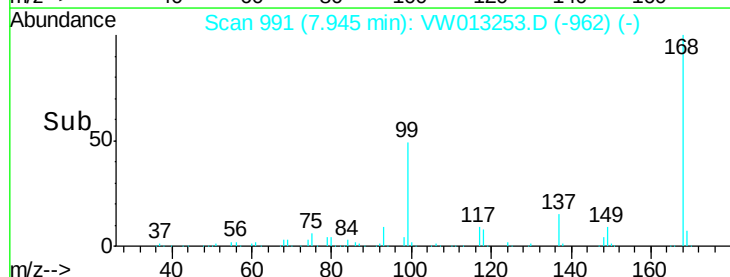
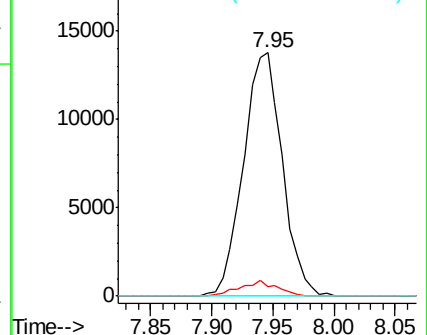
121 0.0 25.0 37.6#

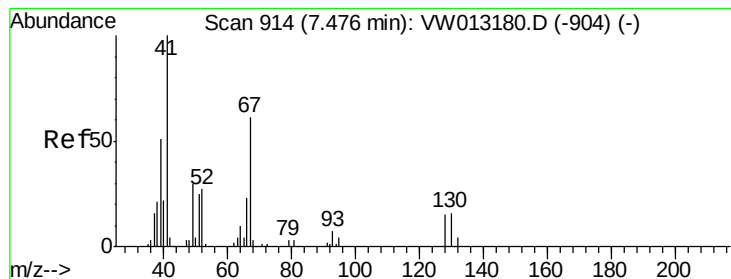


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.290 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampled :

TH-5

Tgt Ion: 41 Resp: 3014

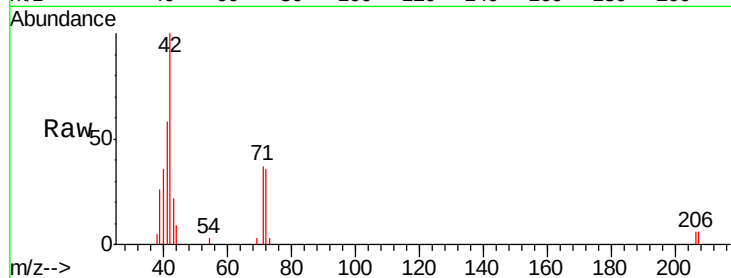
Ion Ratio Lower Upper

41 100

39 51.9 45.9 68.9

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

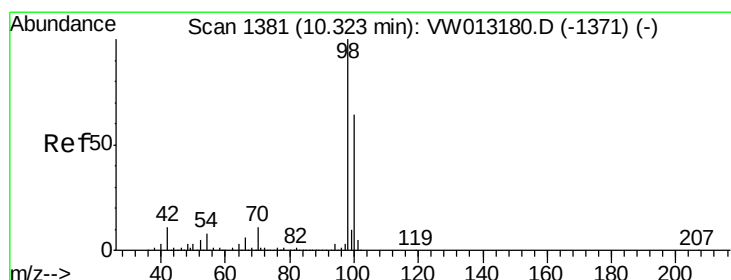
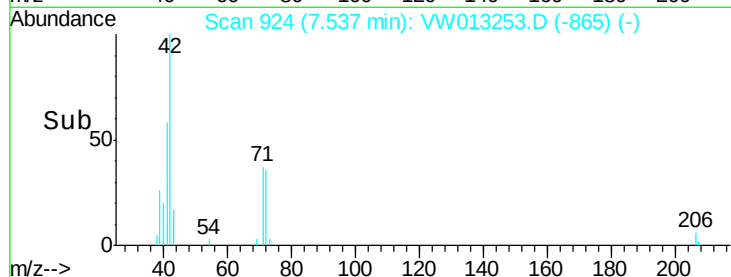
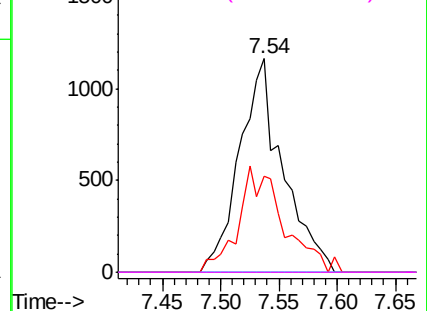


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 52.698 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013253.D

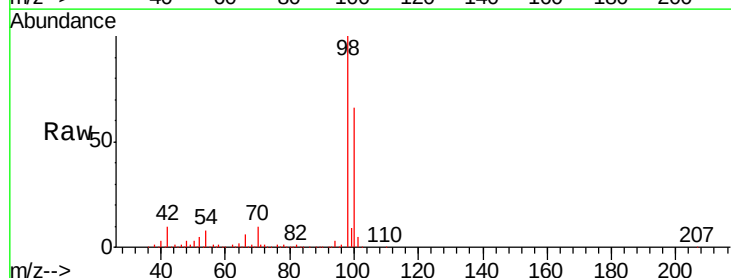
Acq: 24 Sep 2019 02:54

Tgt Ion: 98 Resp: 649920

Ion Ratio Lower Upper

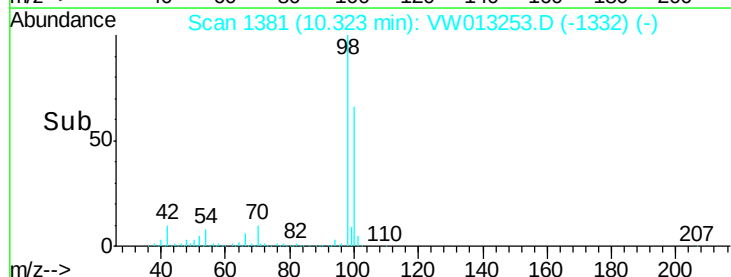
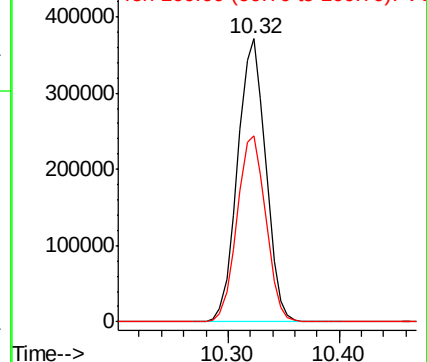
98 100

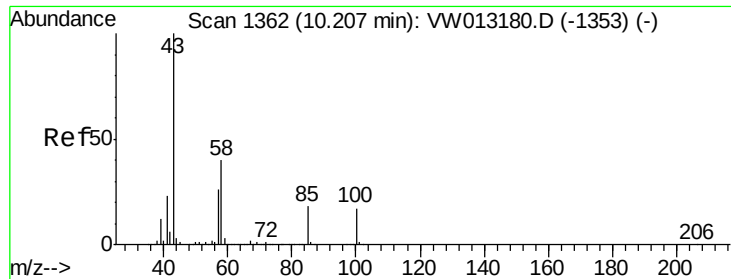
100 67.0 52.9 79.3



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: 1.302 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampled :

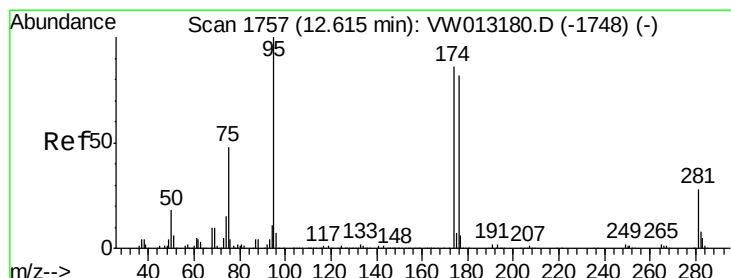
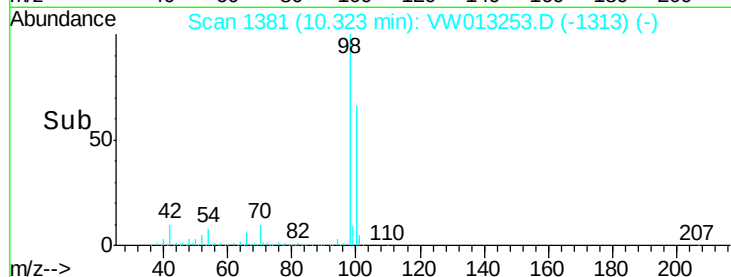
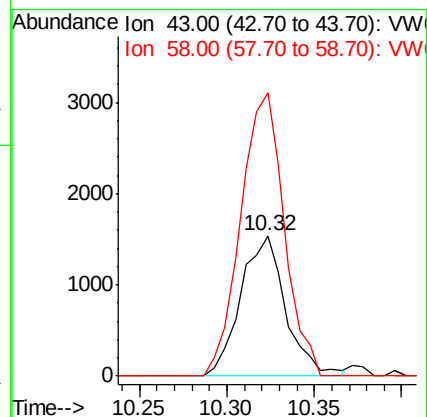
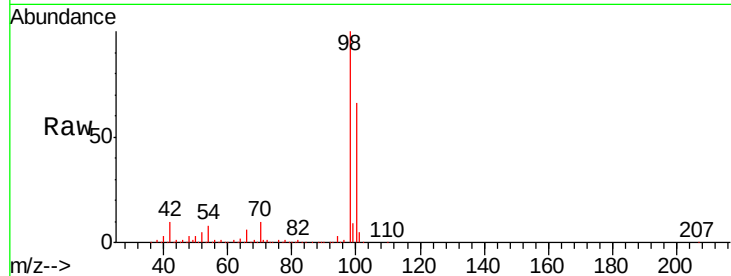
TH-5

Tgt Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

58 194.6 31.7 47.5#



#62

4-Bromofluorobenzene

Concen: 49.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

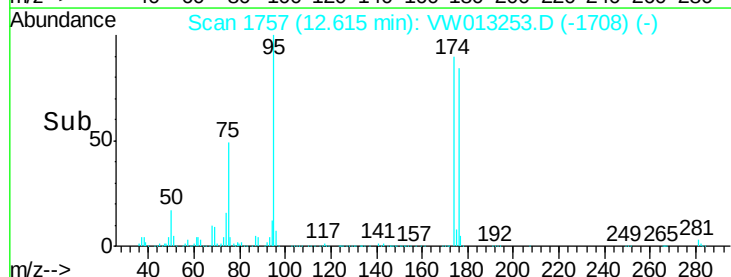
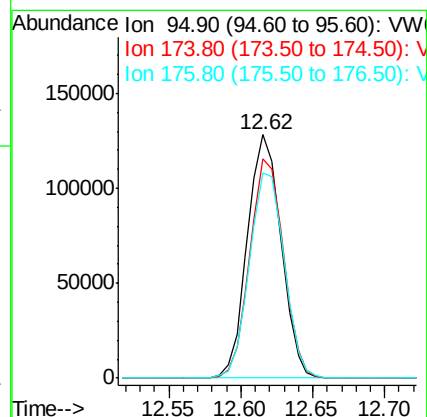
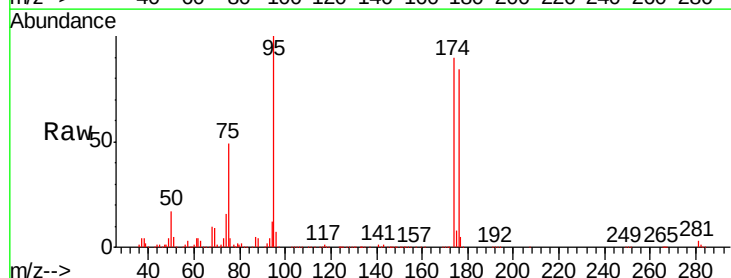
Tgt Ion: 95 Resp: 207708

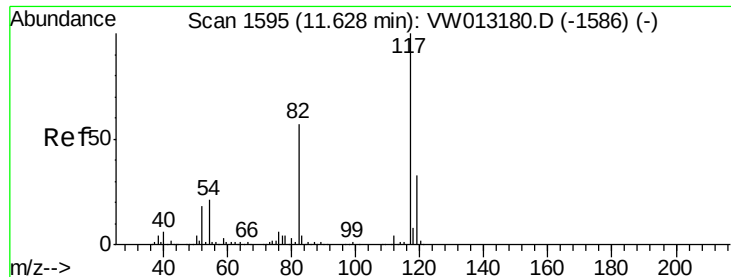
Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.4

176 87.1 0.0 172.2

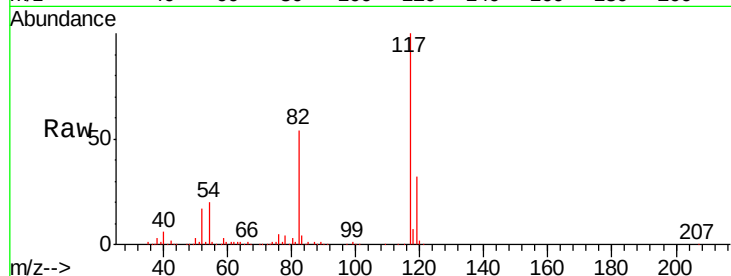




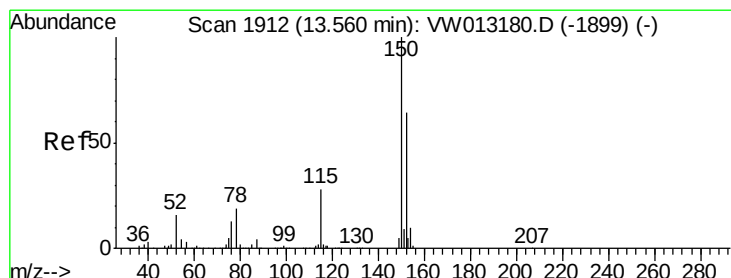
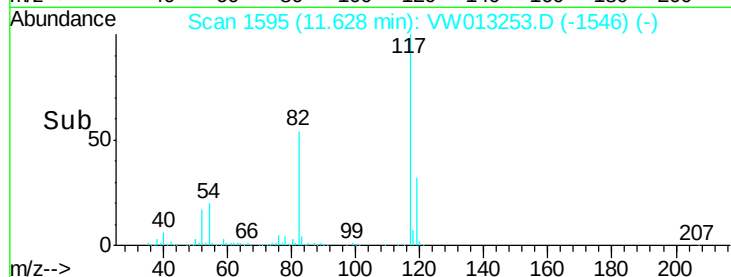
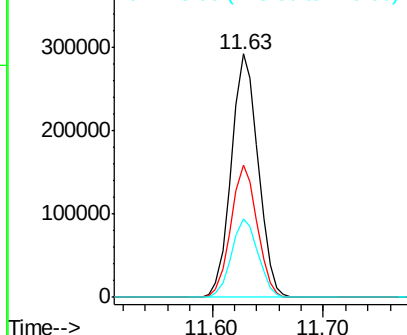
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013253.D
Acq: 24 Sep 2019 02:54

Instrument :
MSVOA_W
ClientSampleId :
TH-5

Tgt Ion:117 Resp: 486858
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 32.2 26.2 39.2

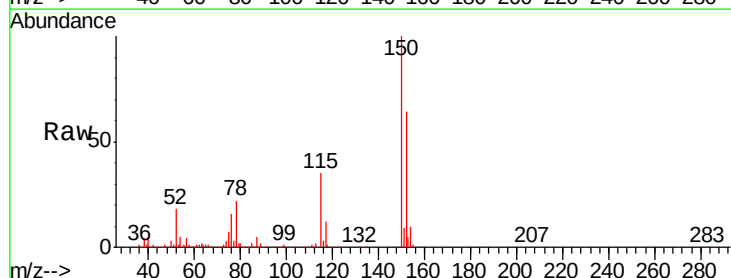


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

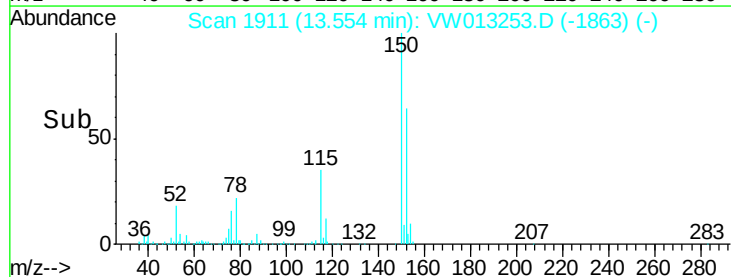
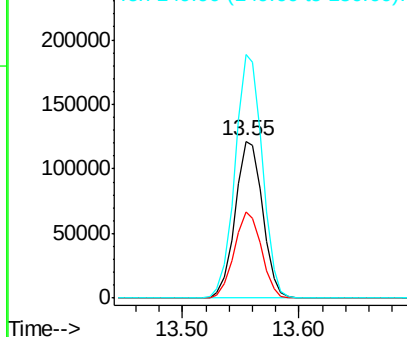


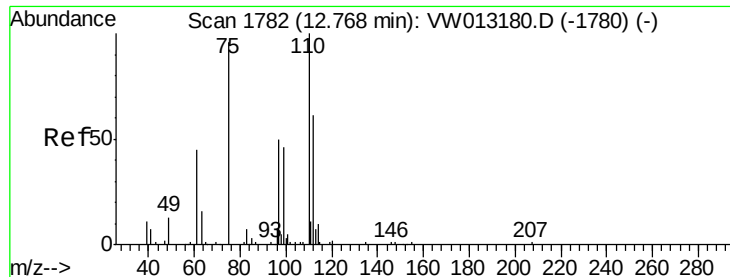
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013253.D
Acq: 24 Sep 2019 02:54

Tgt Ion:152 Resp: 198694
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 155.0 0.0 349.0



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: 55.974 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

Instrument :

MSVOA_W

ClientSampled :

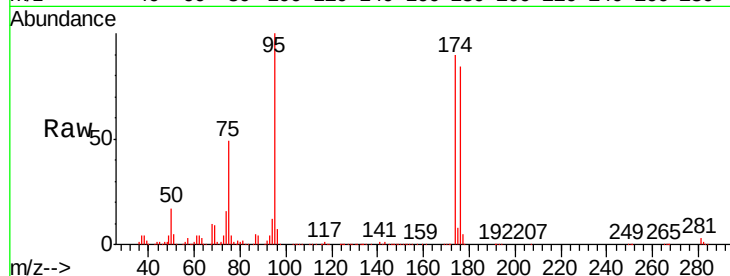
TH-5

Tgt Ion: 75 Resp: 98220

Ion Ratio Lower Upper

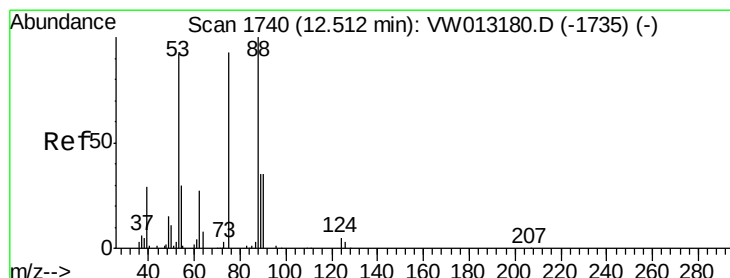
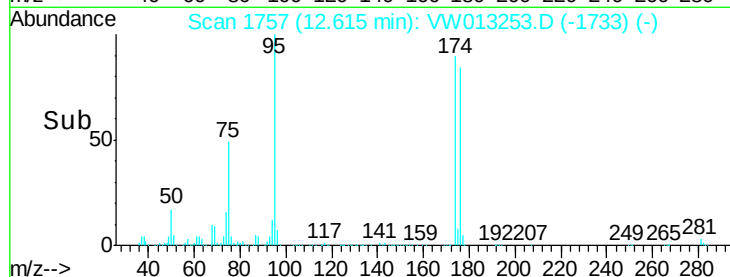
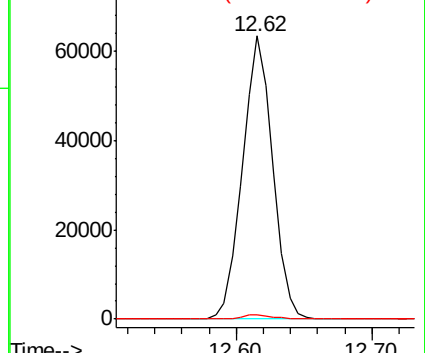
75 100

77 1.5 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: 125.602 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013253.D

Acq: 24 Sep 2019 02:54

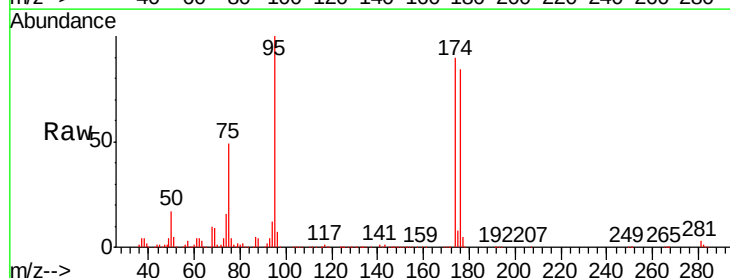
Tgt Ion: 75 Resp: 98220

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 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

