

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013254.D
 Acq On : 24 Sep 2019 03:20
 Operator : SY/VA
 Sample : K4962-10
 Misc : 4.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-5

Quant Time: Sep 24 06:45:30 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

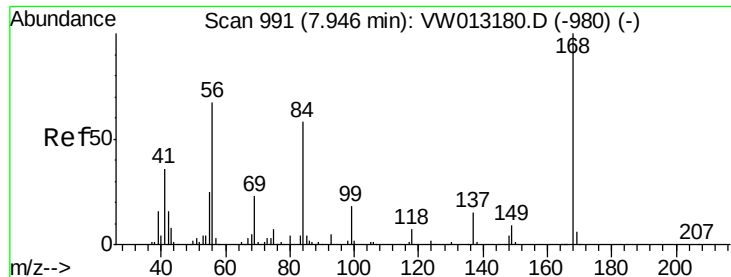
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	563827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	165346	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	7.88	113	157897	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.32	98	662773	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.62	95	188236	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1942	Below Cal	#	73
16) Acetone	4.13	43	2439	3.516	ug/l	90
26) 2,2-Dichloropropane	7.13	77	969	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	4119	6.449	ug/l	94
36) 1,1-Dichloropropene	7.94	75	24596	4.504	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32336	6.605	ug/l #	18
41) Methacrylonitrile	7.53	41	2275	1.642	ug/l #	52
51) 4-Methyl-2-Pentanone	10.32	43	2703	1.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	88893	58.197	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88893	130.589	ug/l #	12

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_W\DATA\VW092319\
Data File : VW013254.D
Acq On    : 24 Sep 2019   03:20
Operator  : SY/VA
Sample    : K4962-10
Misc      : 4.28G/5ML/MSV0A_W/SOIL
ALS Vial  : 40      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampled :

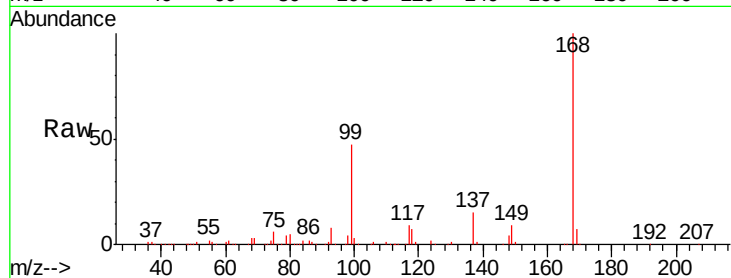
TP-1-5

Tgt Ion:168 Resp: 376930

Ion Ratio Lower Upper

168 100

99 47.3 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

150000

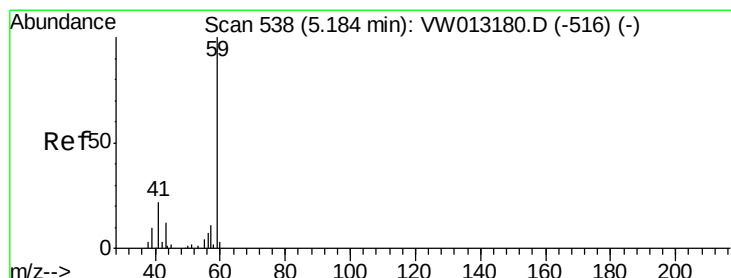
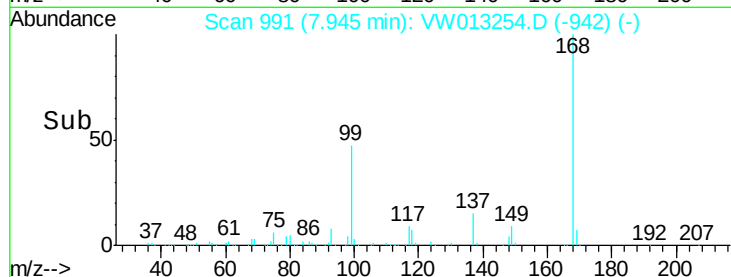
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.01 min

Lab File: VW013254.D

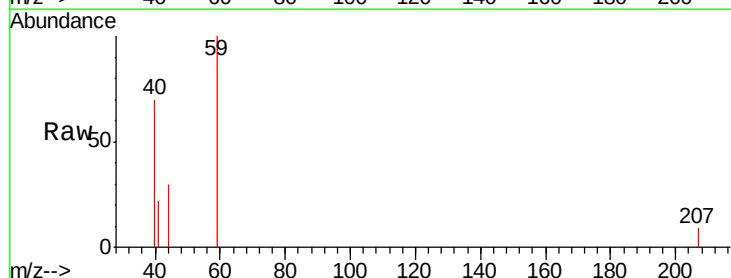
Acq: 24 Sep 2019 03:20

Tgt Ion: 59 Resp: 1942

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

2000

1500

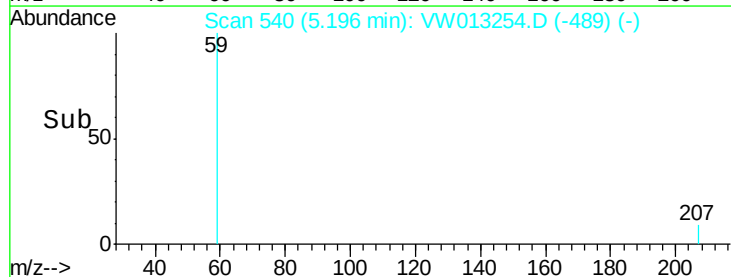
1000

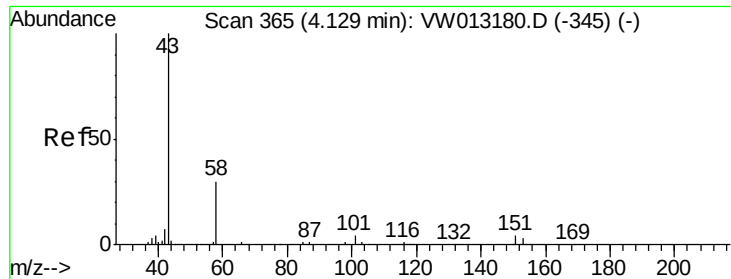
500

0

5.15 5.20 5.25 5.30

Time-->





#16

Acetone

Concen: 3.516 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampled :

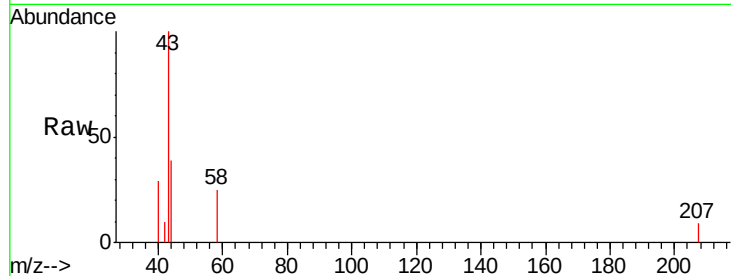
TP-1-5

Tgt Ion: 43 Resp: 2439

Ion Ratio Lower Upper

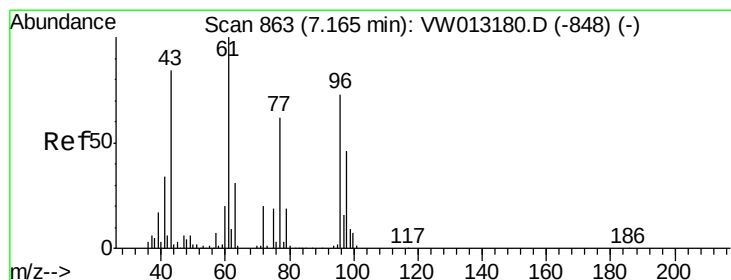
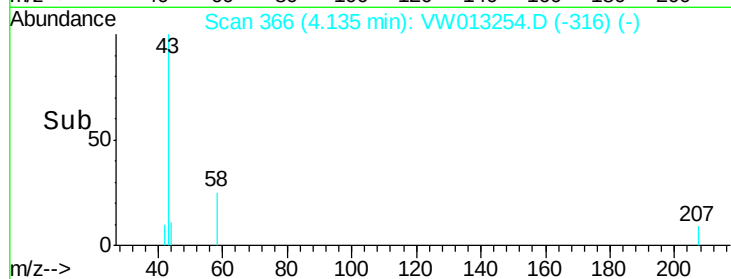
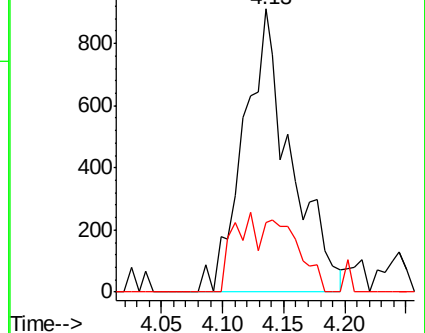
43 100

58 24.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013254.D

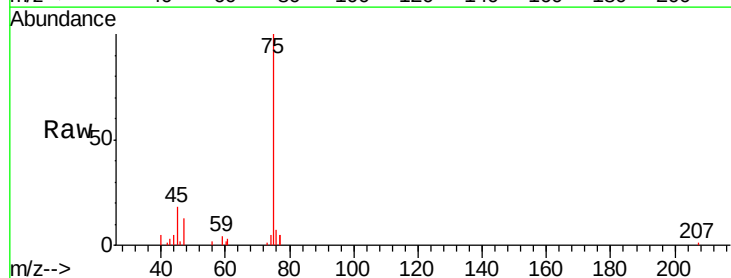
Acq: 24 Sep 2019 03:20

Tgt Ion: 77 Resp: 969

Ion Ratio Lower Upper

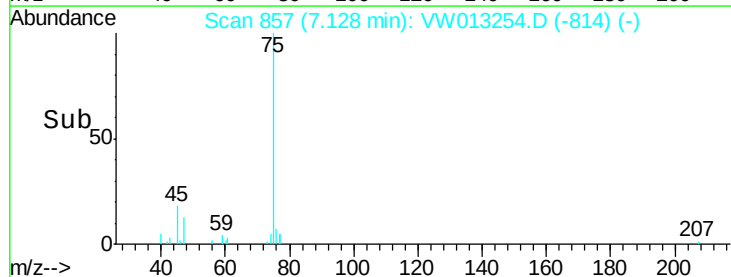
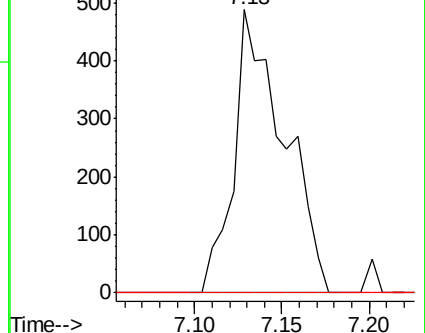
77 100

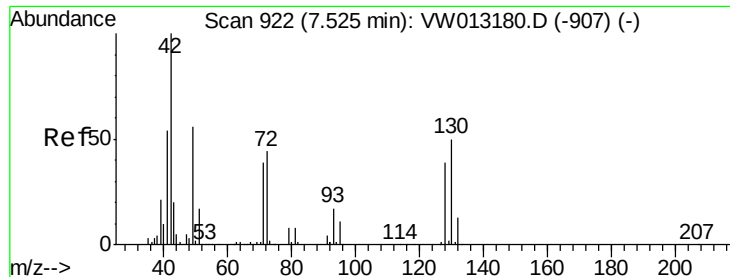
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

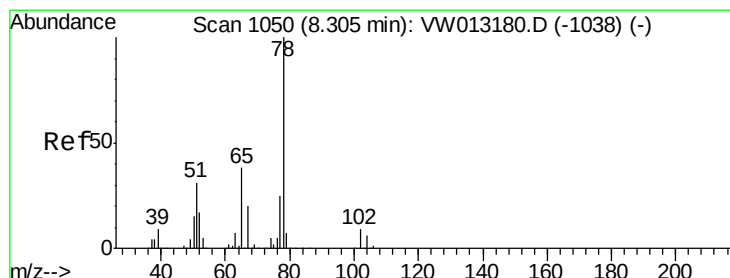
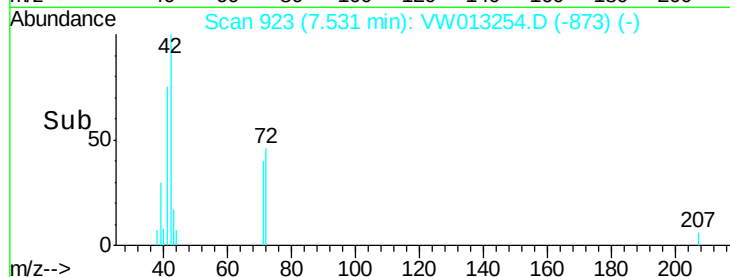
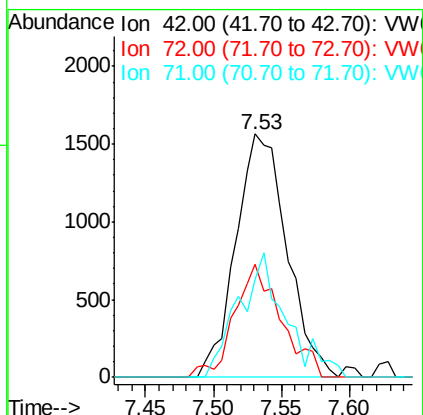
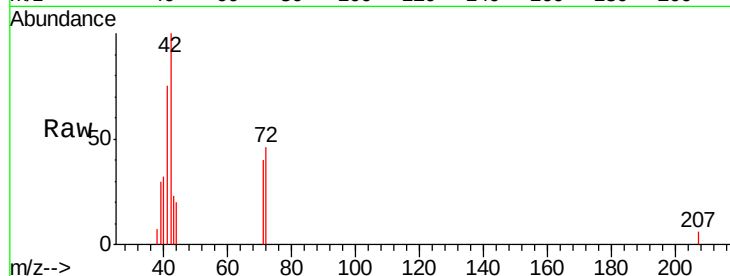




#29
Tetrahydrofuran
Concen: 6.449 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013254.D
Acq: 24 Sep 2019 03:20

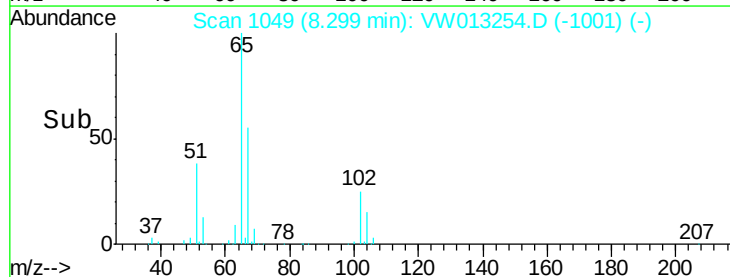
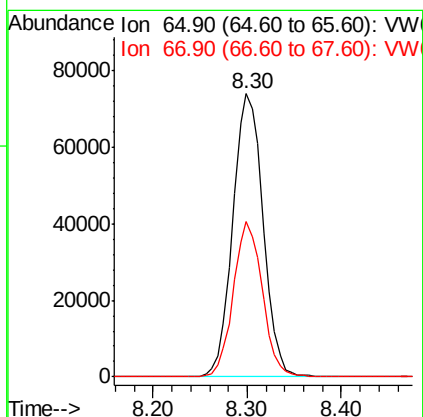
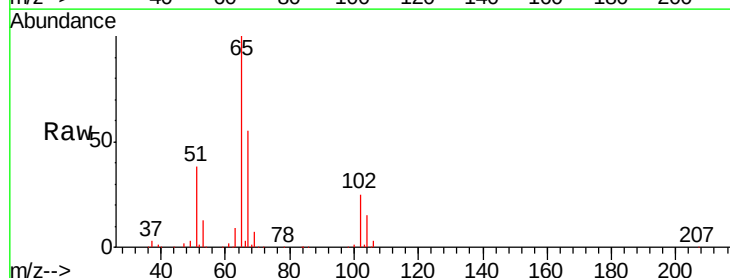
Instrument :
MSVOA_W
ClientSampled :
TP-1-5

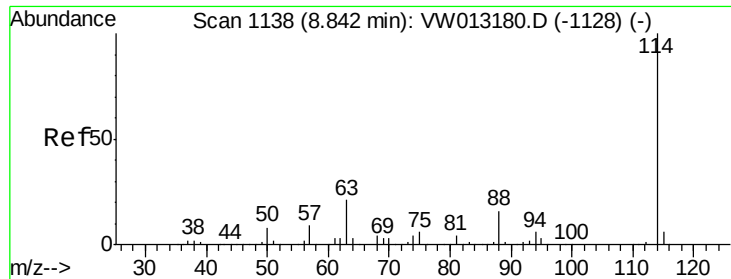
Tgt Ion: 42 Resp: 4119
Ion Ratio Lower Upper
42 100
72 42.4 33.9 50.9
71 47.6 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 53.748 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013254.D
Acq: 24 Sep 2019 03:20

Tgt Ion: 65 Resp: 165346
Ion Ratio Lower Upper
65 100
67 52.8 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: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

TP-1-5

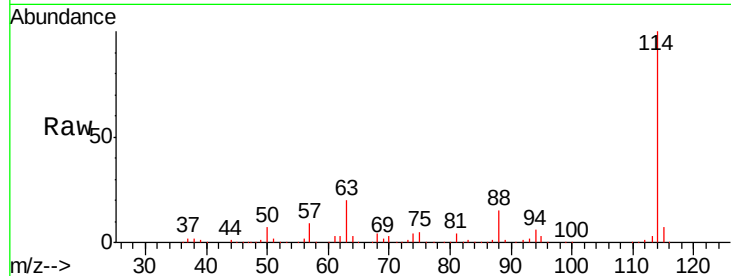
Tgt Ion:114 Resp: 563827

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

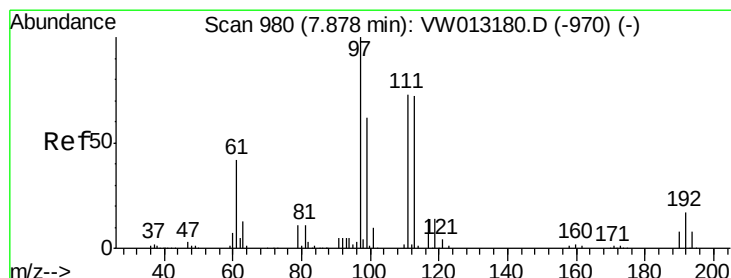
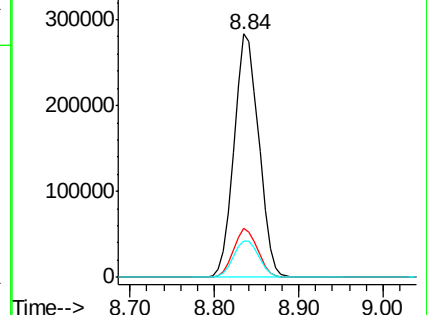
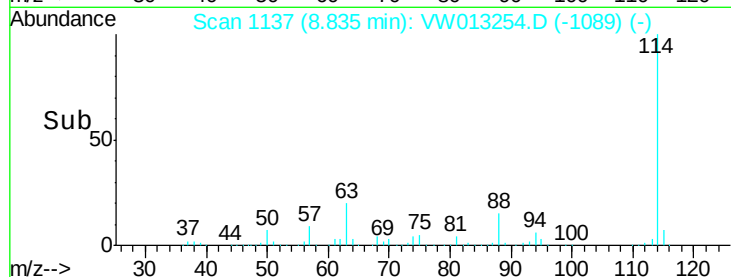
88 15.1 0.0 32.0



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: 50.917 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

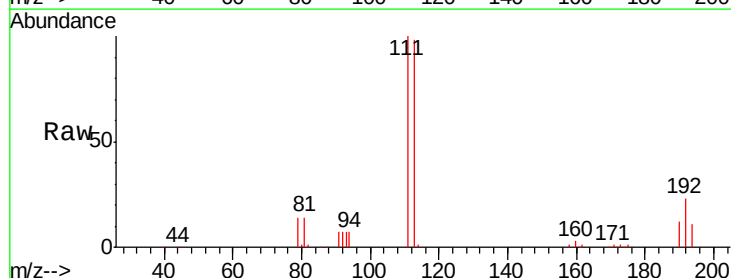
Tgt Ion:113 Resp: 157897

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

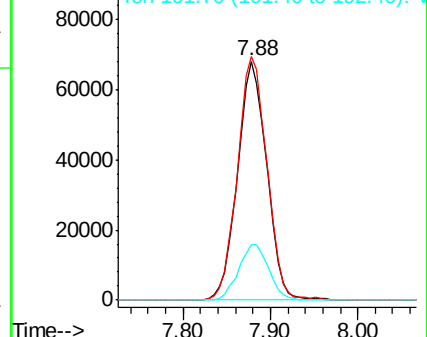
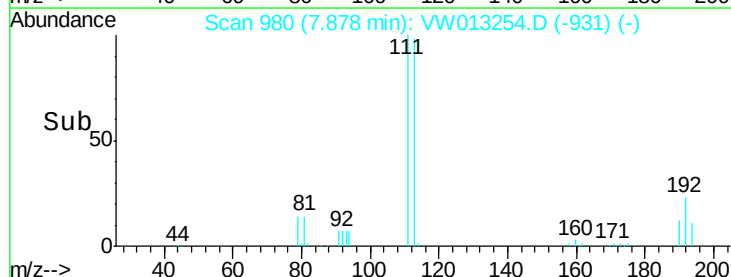
192 24.0 19.1 28.7

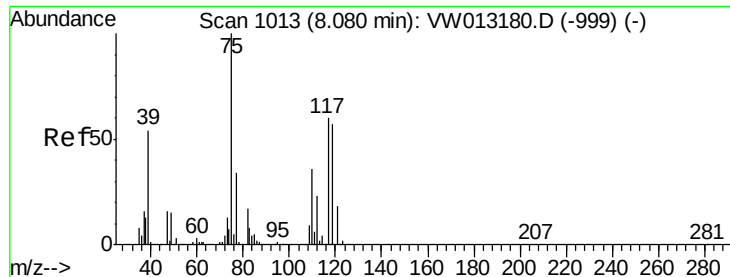


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

TP-1-5

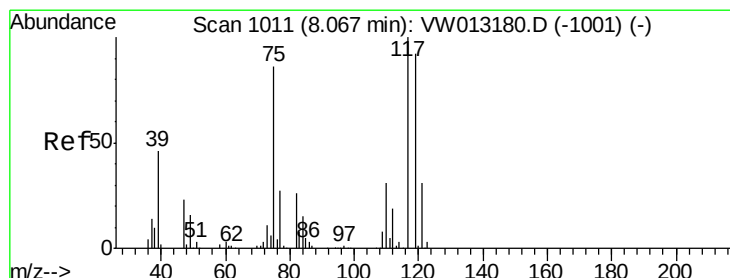
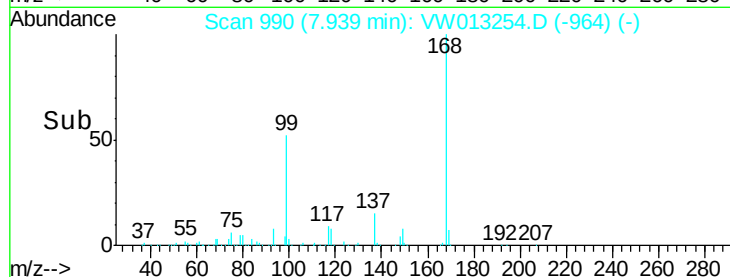
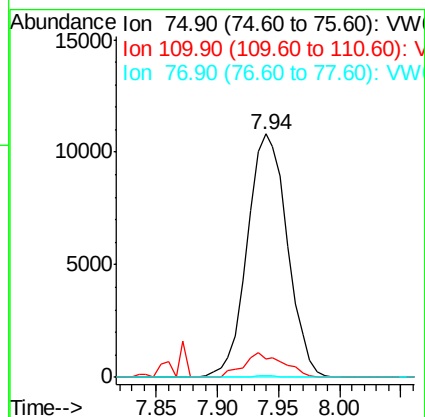
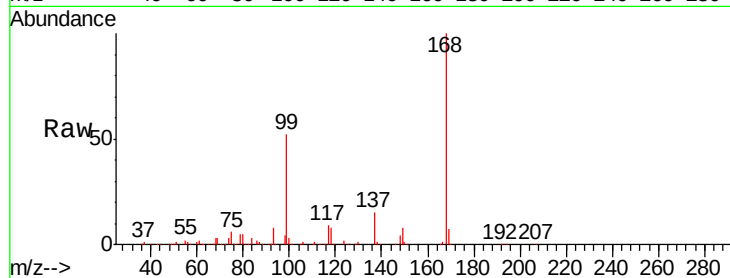
Tgt Ion: 75 Resp: 24596

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.3#

77 0.3 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

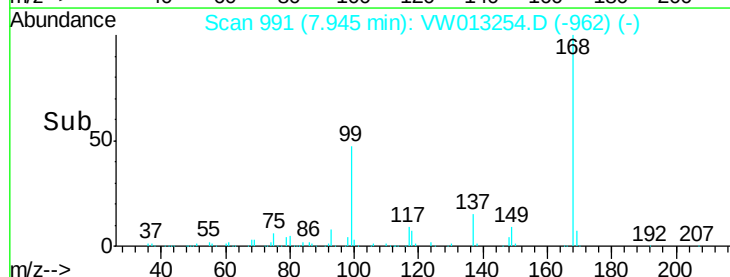
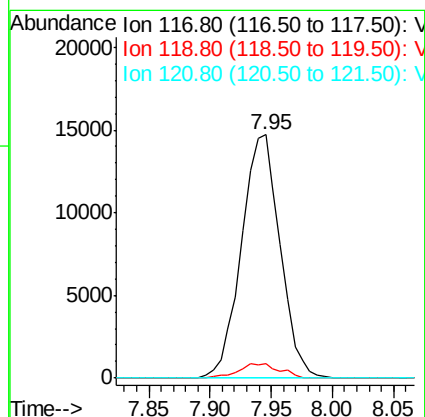
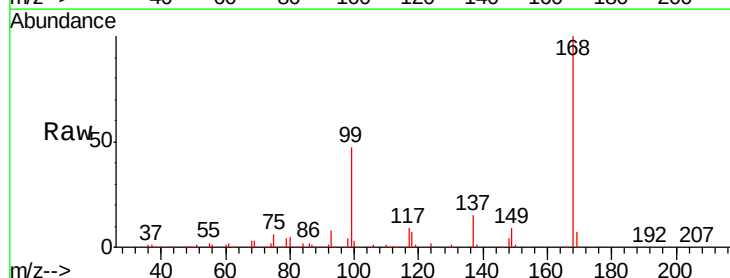
Tgt Ion: 117 Resp: 32336

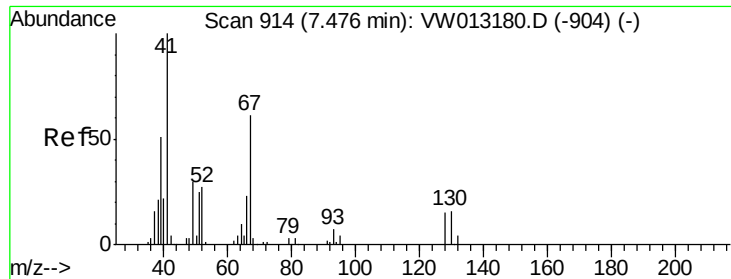
Ion Ratio Lower Upper

117 100

119 6.0 73.5 110.3#

121 0.0 25.0 37.6#

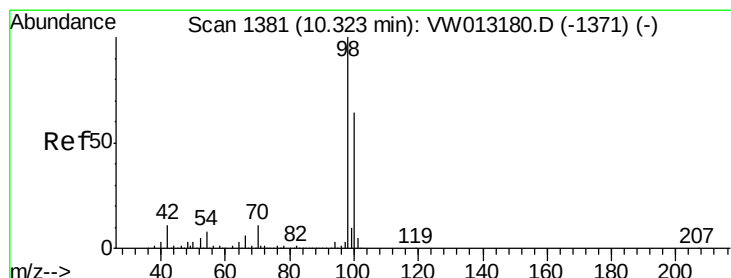
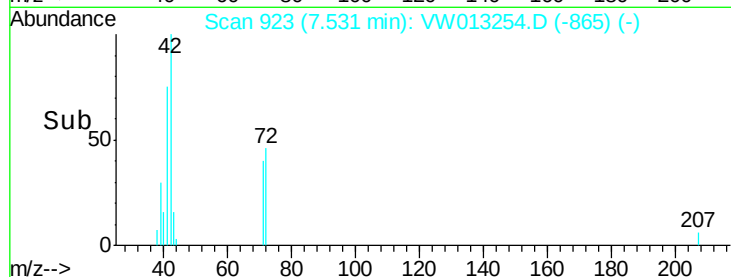
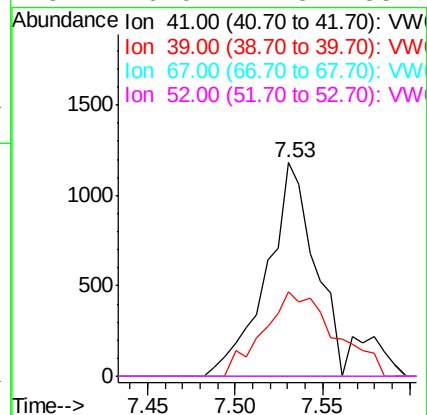
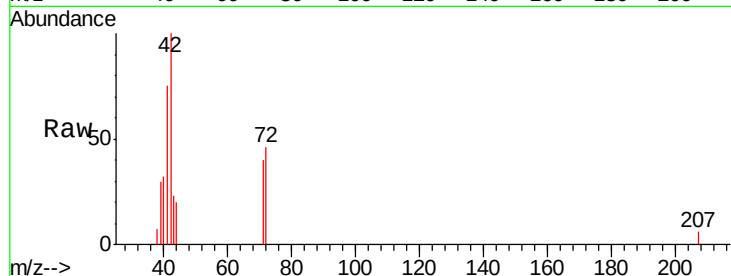




#41
Methacrylonitrile
Concen: 1.642 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW013254.D
Acq: 24 Sep 2019 03:20

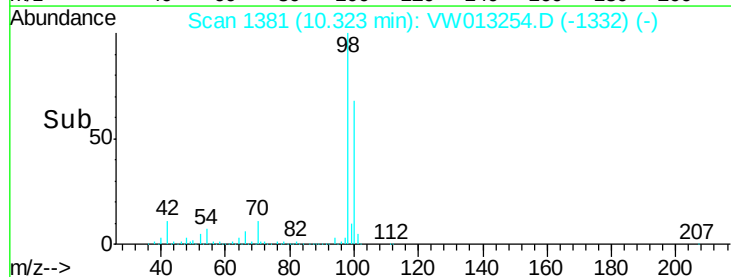
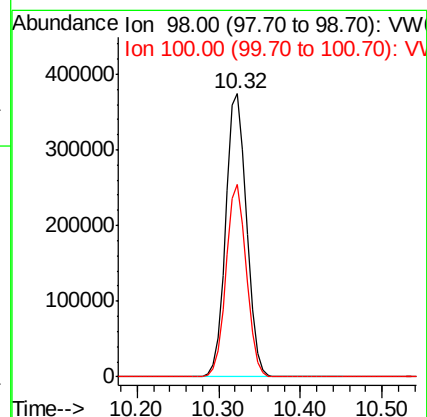
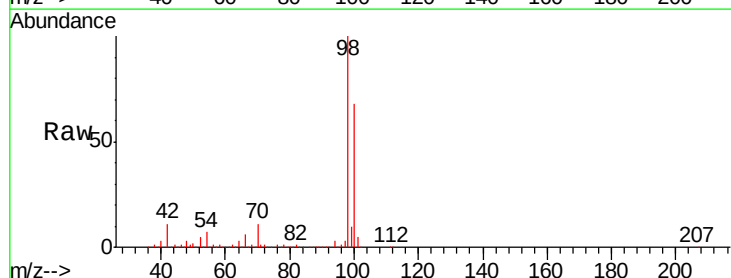
Instrument :
MSVOA_W
ClientSampled :
TP-1-5

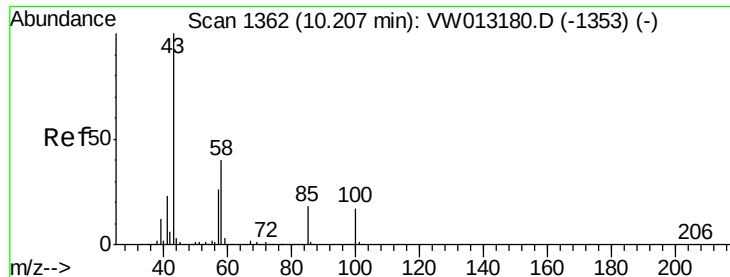
Tgt Ion:	41	Resp:	2275
Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.9	68.9
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#



#50
Toluene-d8
Concen: 51.068 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013254.D
Acq: 24 Sep 2019 03:20

Tgt Ion:	98	Resp:	662773
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 1.212 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampled :

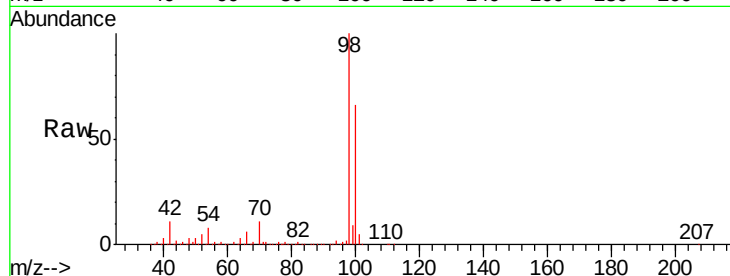
TP-1-5

Tgt Ion: 43 Resp: 2703

Ion Ratio Lower Upper

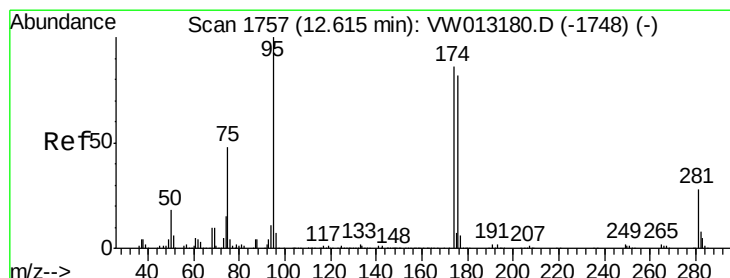
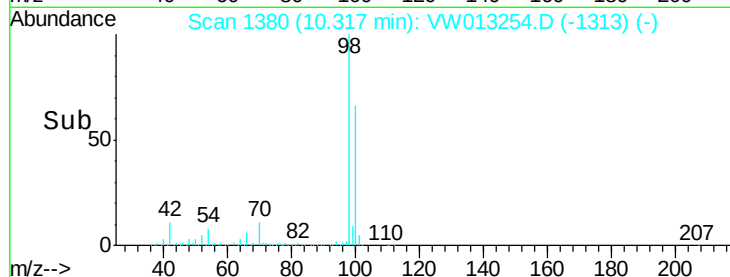
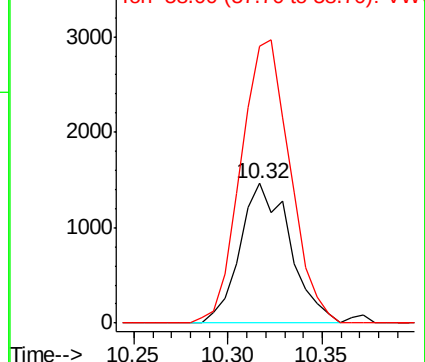
43 100

58 198.0 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 42.460 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

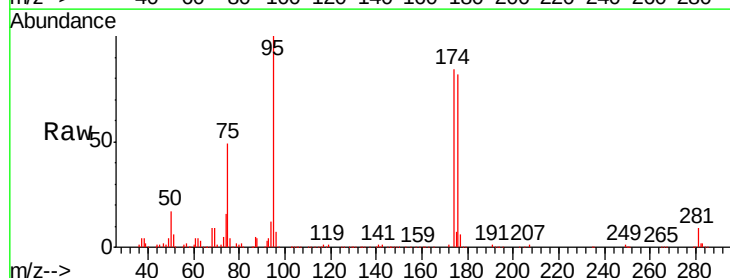
Tgt Ion: 95 Resp: 188236

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.4

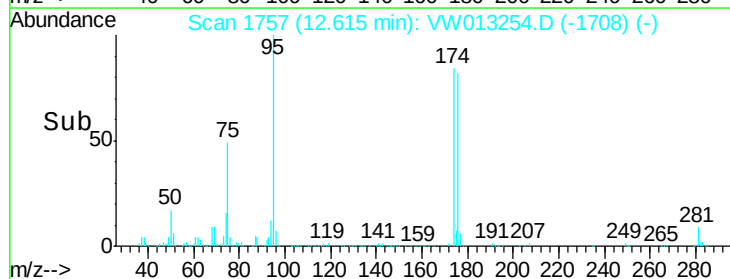
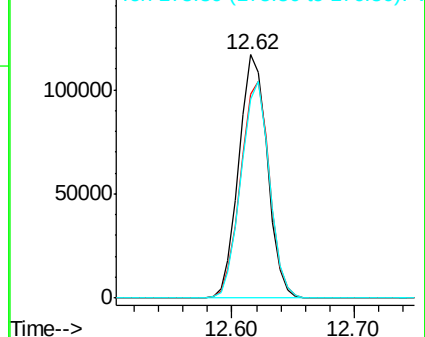
176 89.3 0.0 172.2

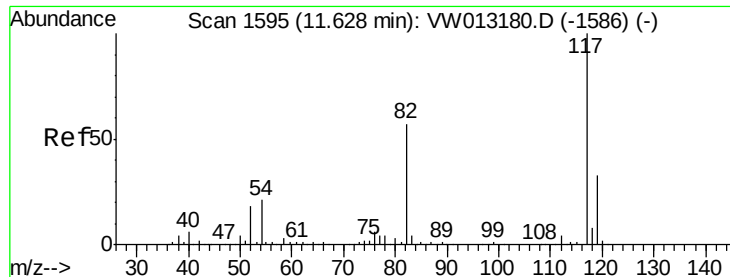


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

TP-1-5

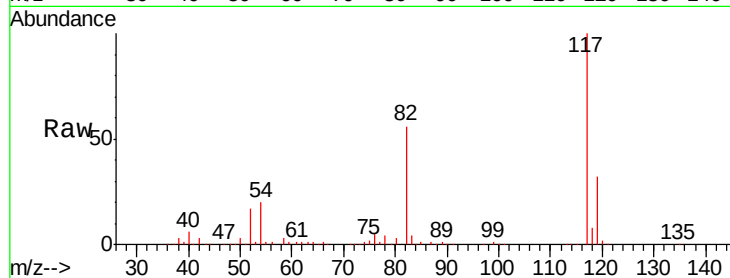
Tgt Ion:117 Resp: 467853

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

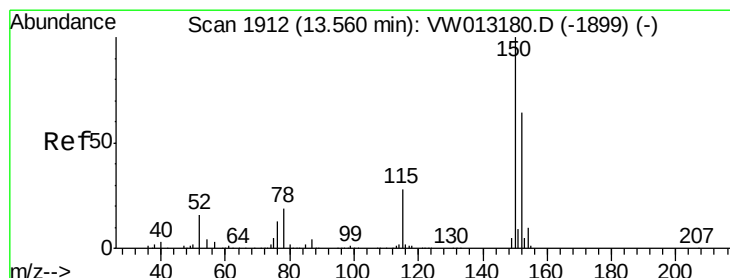
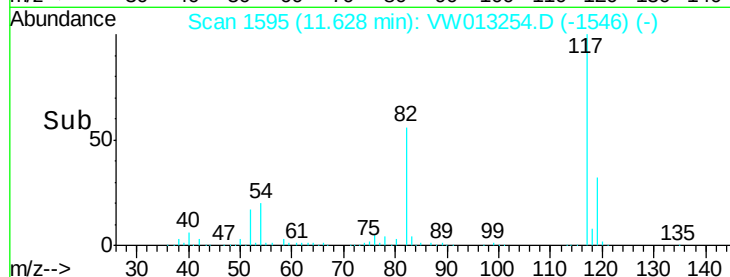
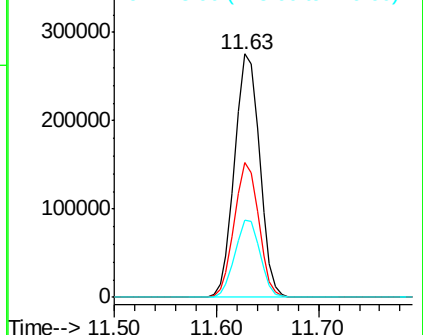
119 31.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

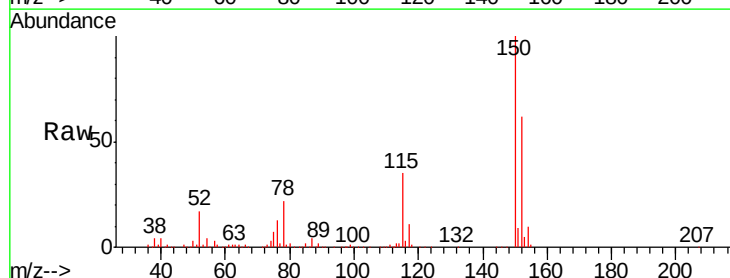
Tgt Ion:152 Resp: 172958

Ion Ratio Lower Upper

152 100

115 55.7 27.3 81.9

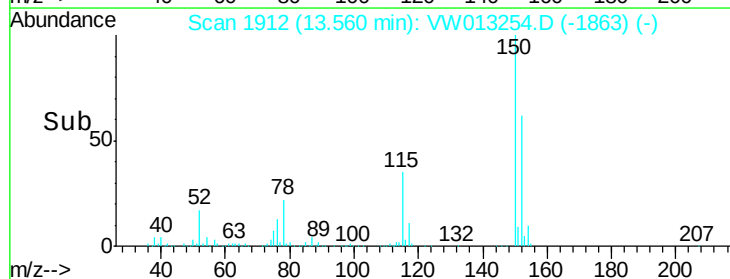
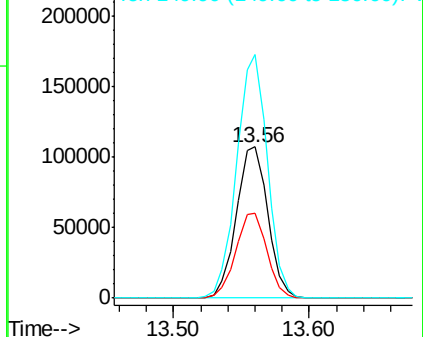
150 157.8 0.0 349.0

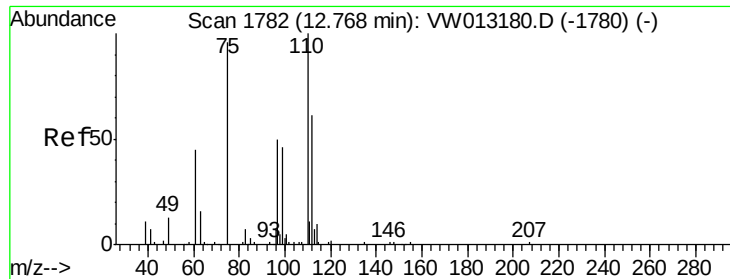


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 58.197 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

Instrument :

MSVOA_W

ClientSampleId :

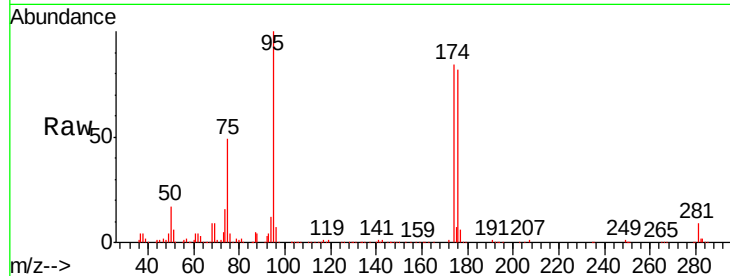
TP-1-5

Tgt Ion: 75 Resp: 88893

Ion Ratio Lower Upper

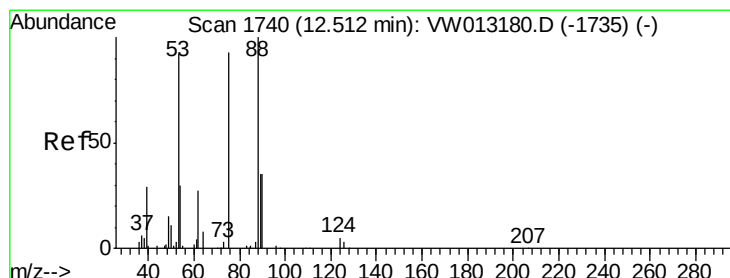
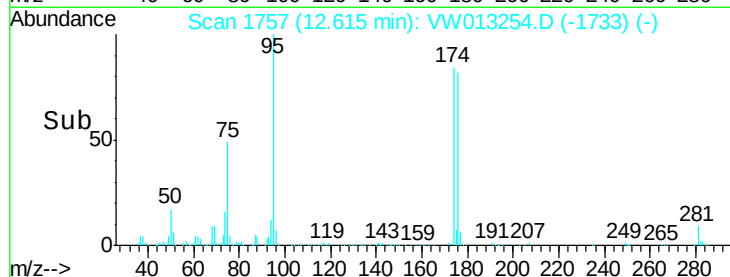
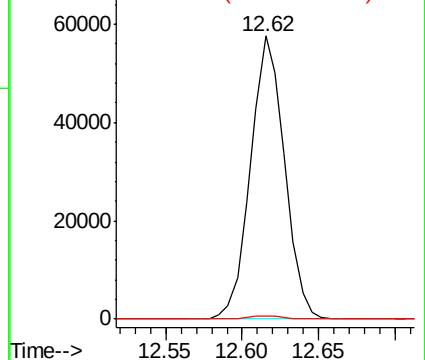
75 100

77 1.2 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: 130.589 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013254.D

Acq: 24 Sep 2019 03:20

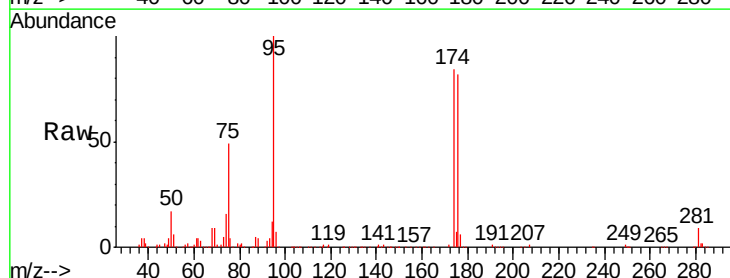
Tgt Ion: 75 Resp: 88893

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 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

