

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
 Data File : VW014619.D
 Acq On : 13 Jan 2020 12:58
 Operator : SY/VA
 Sample : L1054-04RE
 Misc : 6.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-03-0-2

Quant Time: Jan 14 12:16:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	667792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1054218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	841990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	303922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	329041	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
35) Dibromofluoromethane	7.88	113	317806	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
50) Toluene-d8	10.32	98	1198884	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	12.62	95	337054	39.52	ug/l	0.00
Spiked Amount			Recovery	=	79.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1616	Below Cal	#	73
16) Acetone	4.12	43	46541	28.230	ug/l	98
25) 2-Butanone	7.18	43	6760	3.195	ug/l #	82
29) Tetrahydrofuran	7.54	42	2278	1.738	ug/l #	88
36) 1,1-Dichloropropene	7.94	75	46326	4.558	ug/l #	49
38) Carbon Tetrachloride	7.94	117	59894	6.793	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.92	63	2201	1.095	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	160501	55.855	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	160501	124.447	ug/l #	14

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

```
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Data File : VW014619.D  
Acq On    : 13 Jan 2020   12:58  
Operator  : SY/VA  
Sample    : L1054-04RE  
Misc      : 6.45G/5ML/MSVOA_W/SOIL  
ALS Vial  : 8      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

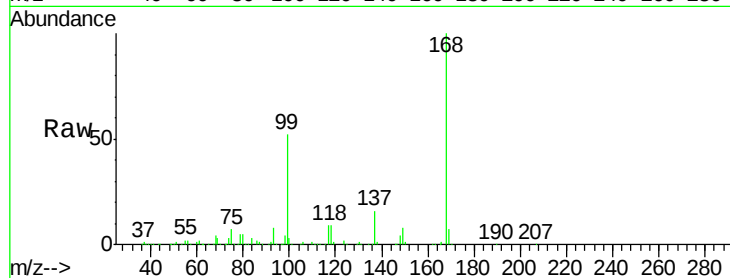
CIY1-SB-03-0-2

Tgt Ion:168 Resp: 667792

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

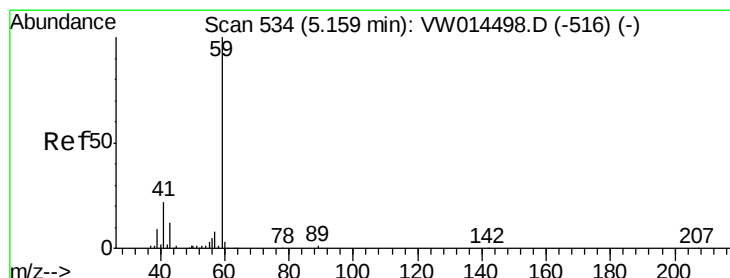
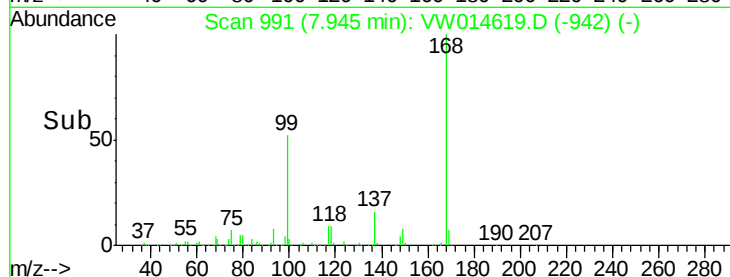
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014619.D

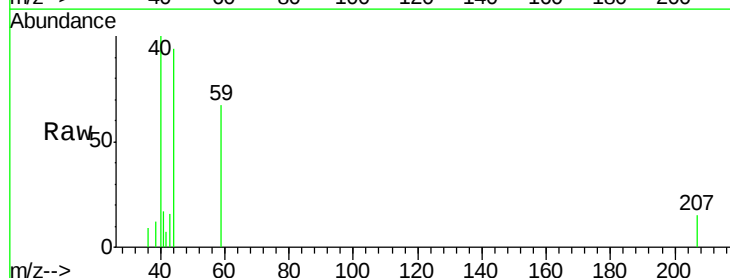
Acq: 13 Jan 2020 12:58

Tgt Ion: 59 Resp: 1616

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

600

500

400

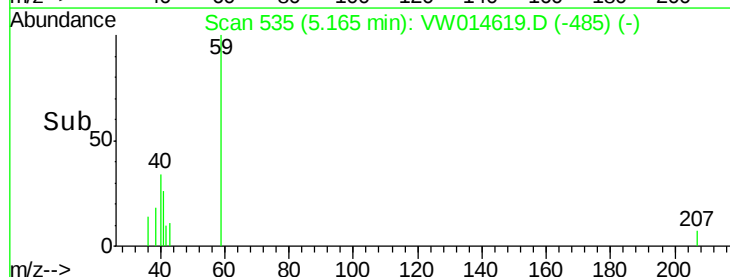
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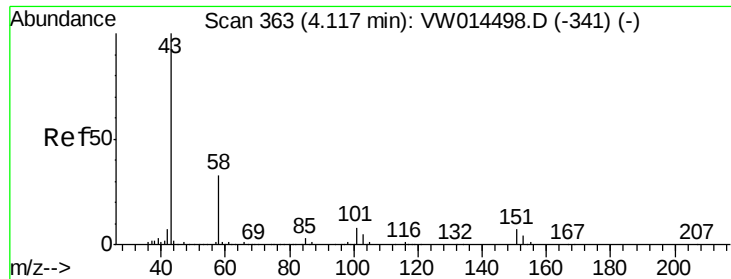
200

100

0

Time-->





#16

Acetone

Concen: 28.230 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

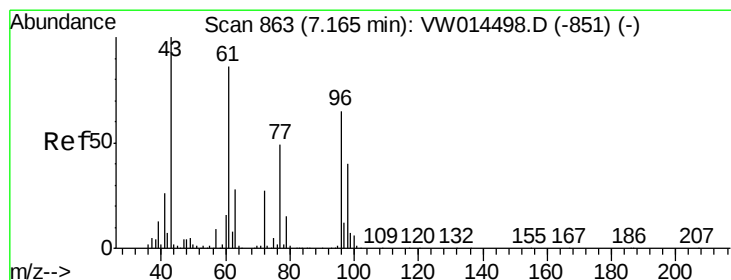
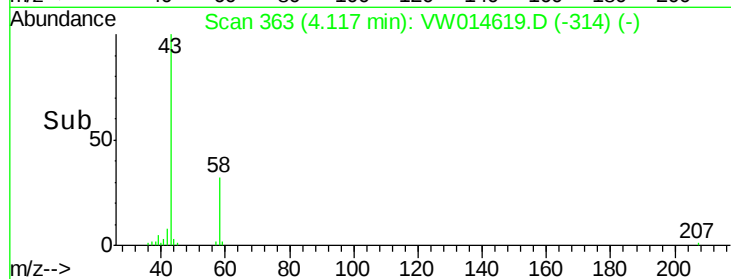
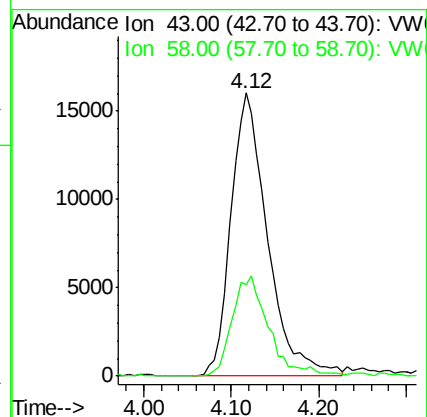
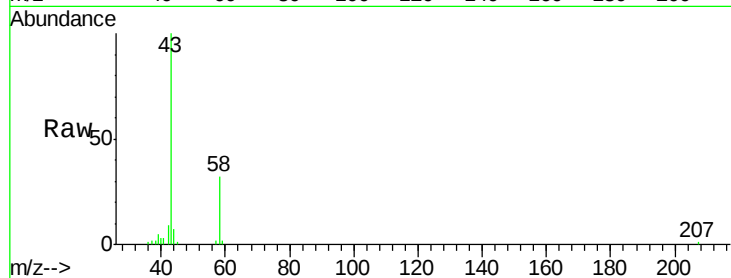
CIY1-SB-03-0-2

Tgt Ion: 43 Resp: 46541

Ion Ratio Lower Upper

43 100

58 32.2 26.6 39.8



#25

2-Butanone

Concen: 3.195 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014619.D

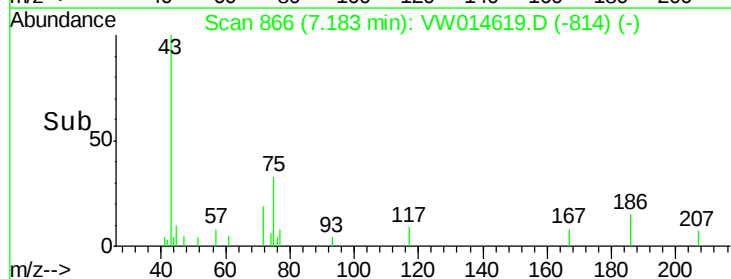
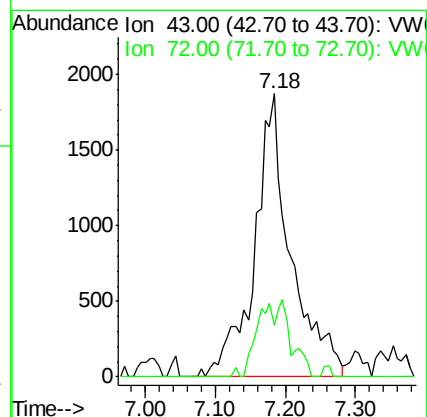
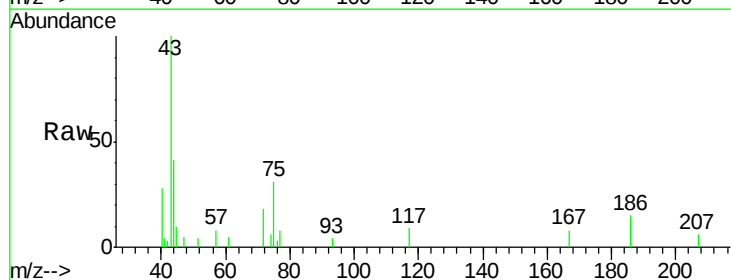
Acq: 13 Jan 2020 12:58

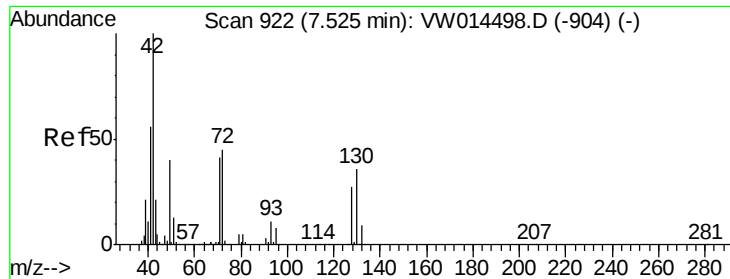
Tgt Ion: 43 Resp: 6760

Ion Ratio Lower Upper

43 100

72 18.2 21.9 32.9#

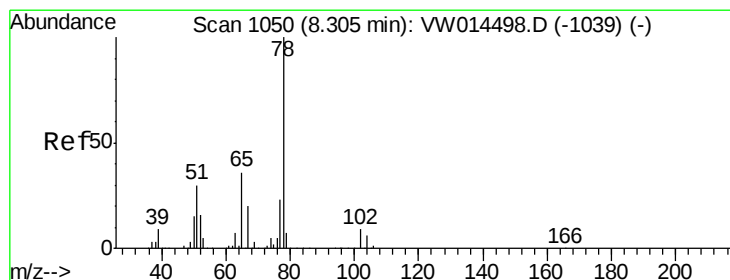
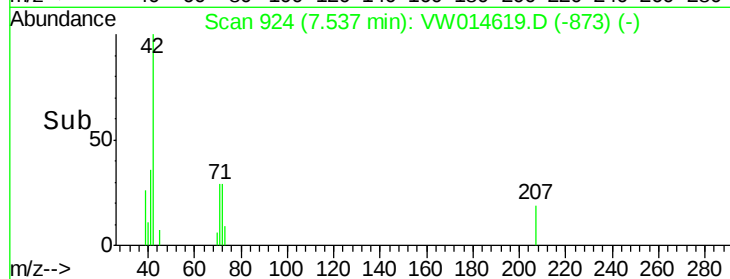
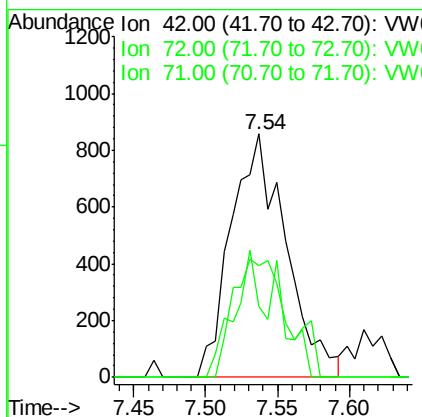
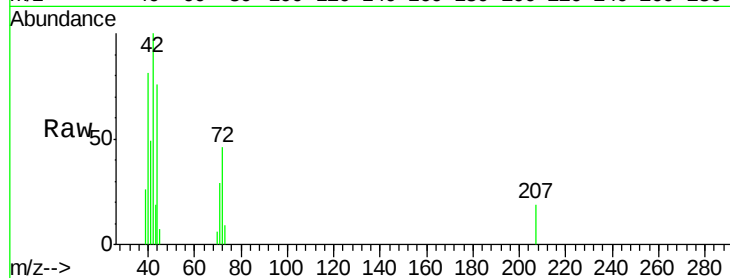




#29
Tetrahydrofuran
Concen: 1.738 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014619.D
Acq: 13 Jan 2020 12:58

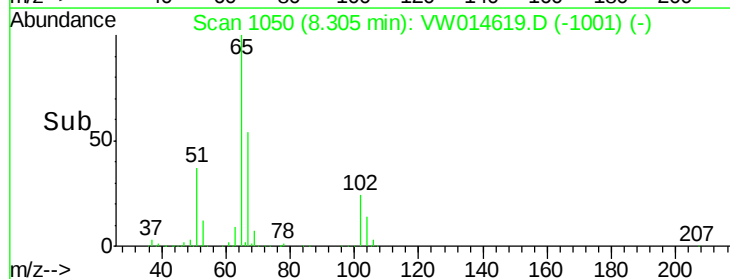
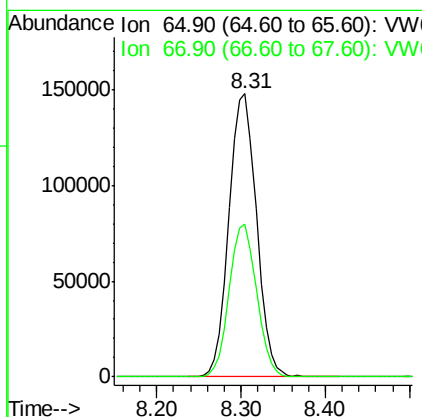
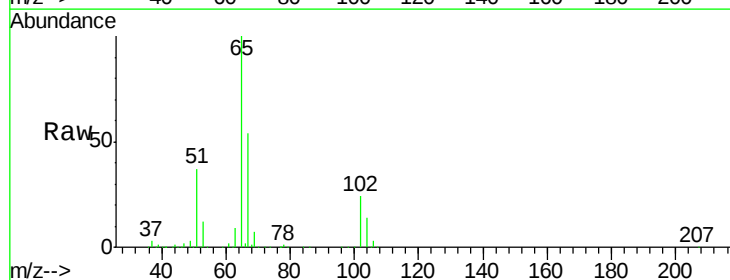
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-03-0-2

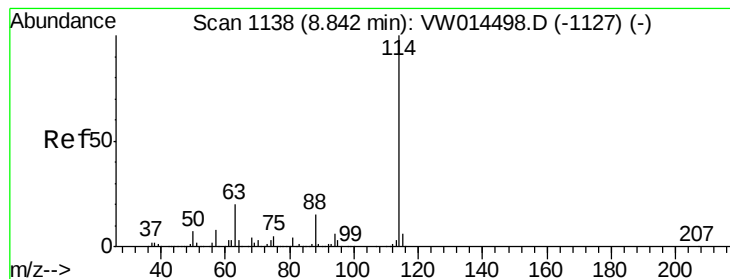
Tgt Ion: 42 Resp: 2278
Ion Ratio Lower Upper
42 100
72 45.3 34.5 51.7
71 26.6 32.0 48.0#



#33
1,2-Dichloroethane-d4
Concen: 56.356 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW014619.D
Acq: 13 Jan 2020 12:58

Tgt Ion: 65 Resp: 329041
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-03-0-2

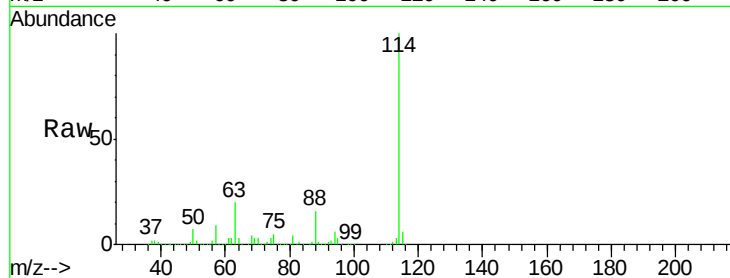
Tgt Ion:114 Resp: 1054218

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

88 15.7 0.0 30.6



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

600000

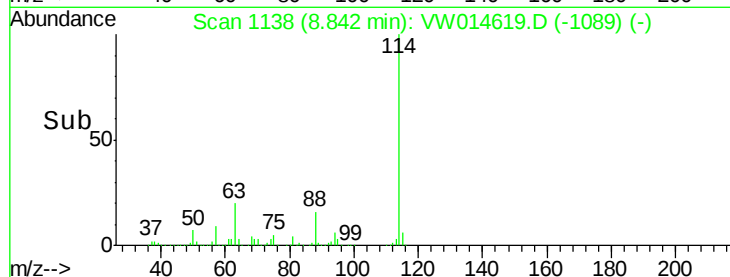
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200000

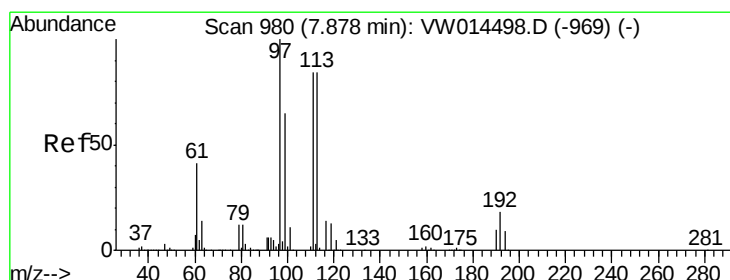
0

8.84

8.70 8.80 8.90 9.00



Time-->



#35

Dibromofluoromethane

Concen: 52.748 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

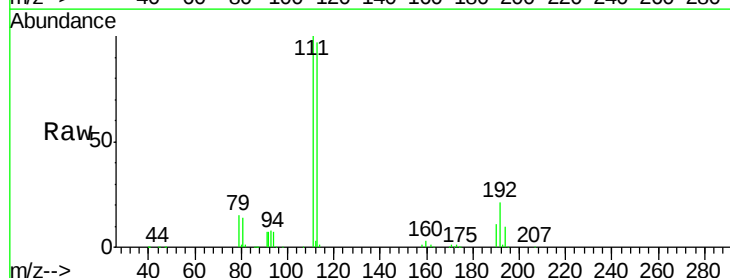
Tgt Ion:113 Resp: 317806

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

192 22.2 17.8 26.8



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

150000

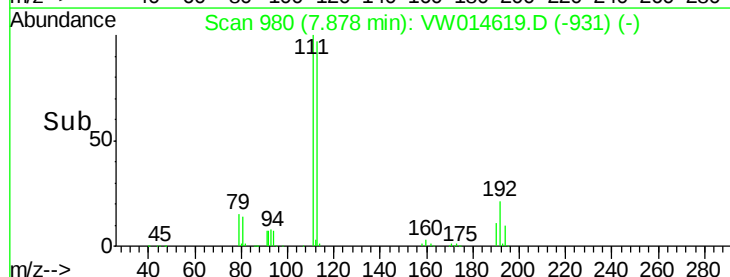
100000

50000

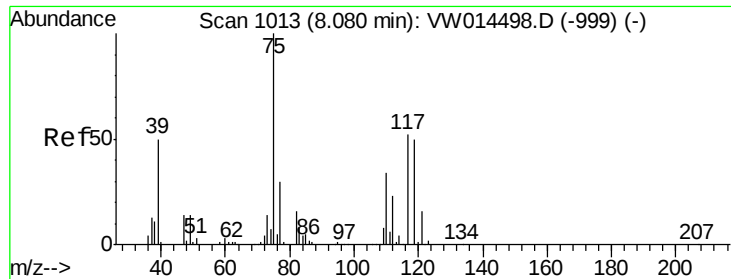
0

7.88

7.80 7.90 8.00



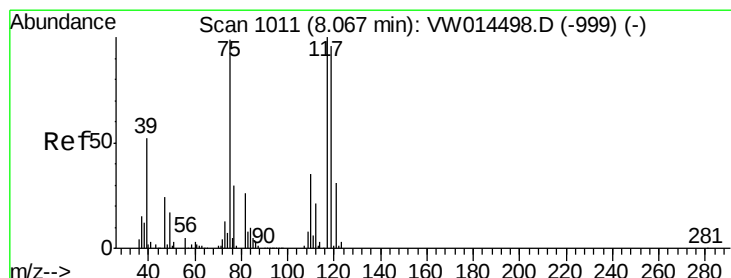
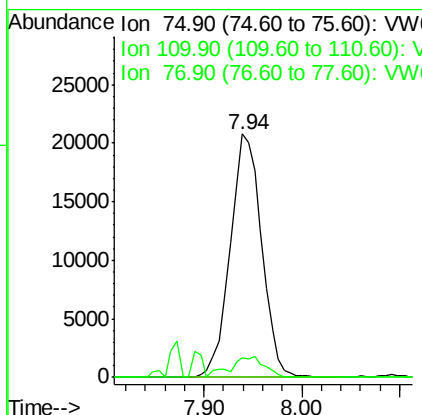
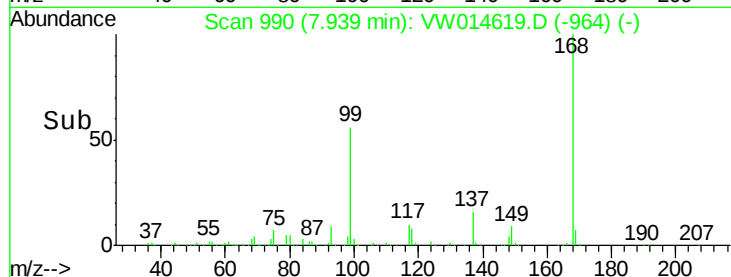
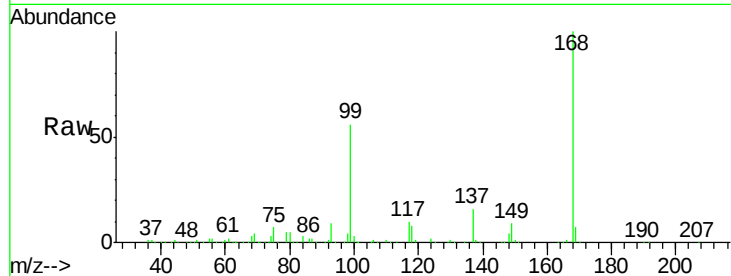
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014619.D
 Acq: 13 Jan 2020 12:58

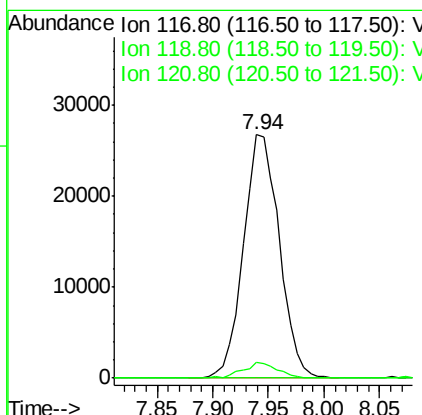
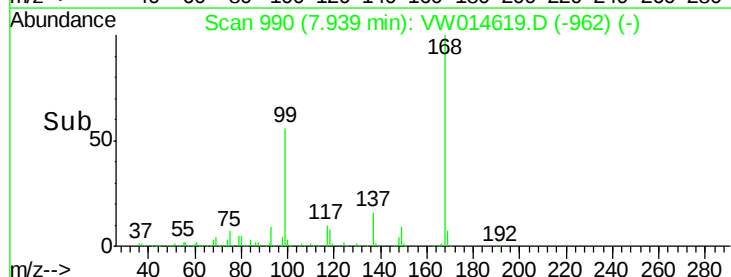
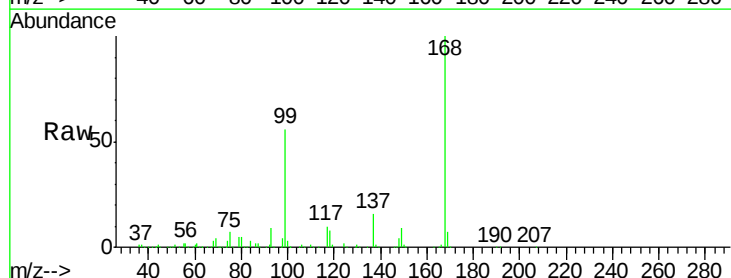
Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-03-0-2

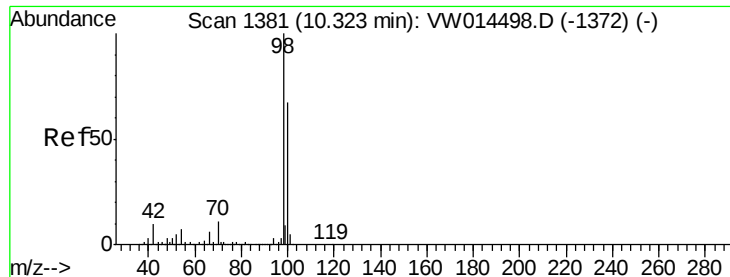
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.793 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW014619.D
 Acq: 13 Jan 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 47.681 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

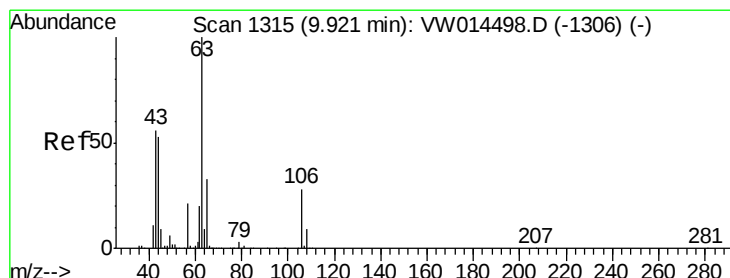
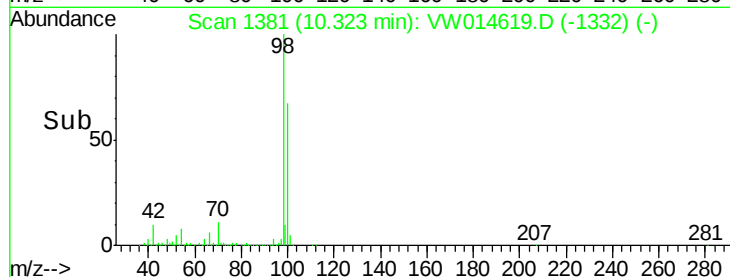
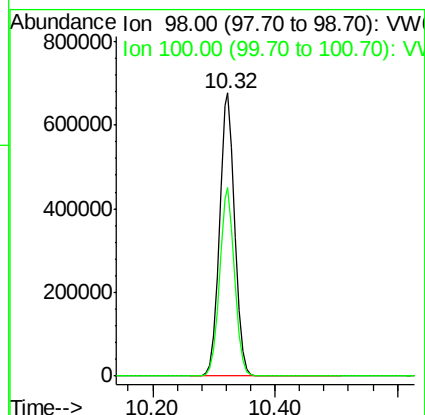
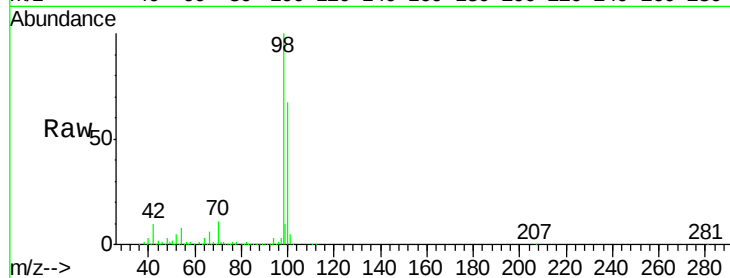
CIY1-SB-03-0-2

Tgt Ion: 98 Resp: 1198884

Ion Ratio Lower Upper

98 100

100 65.5 53.8 80.6



#58

2-Chloroethyl Vinyl ether

Concen: 1.095 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014619.D

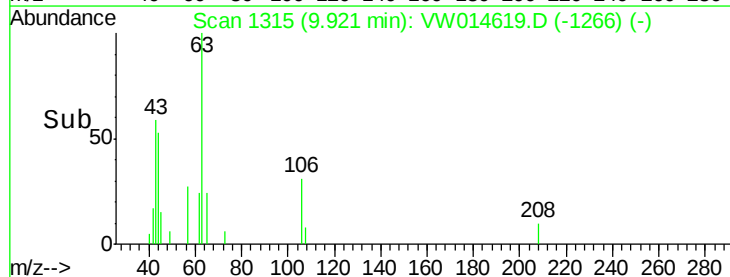
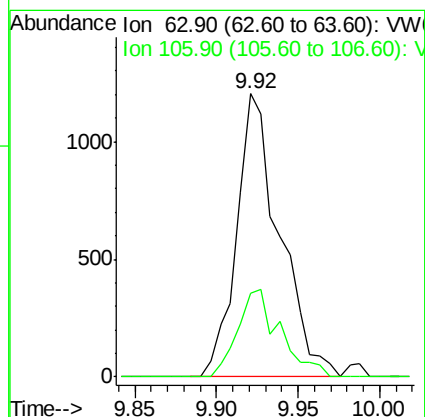
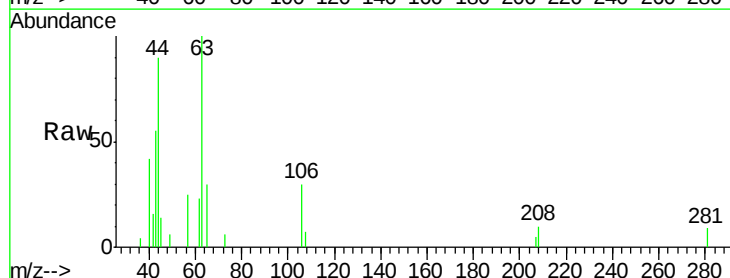
Acq: 13 Jan 2020 12:58

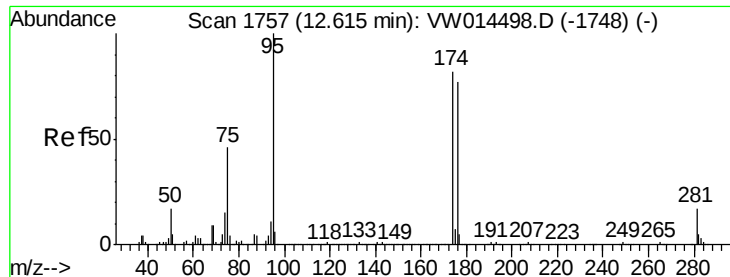
Tgt Ion: 63 Resp: 2201

Ion Ratio Lower Upper

63 100

106 30.6 23.0 34.6

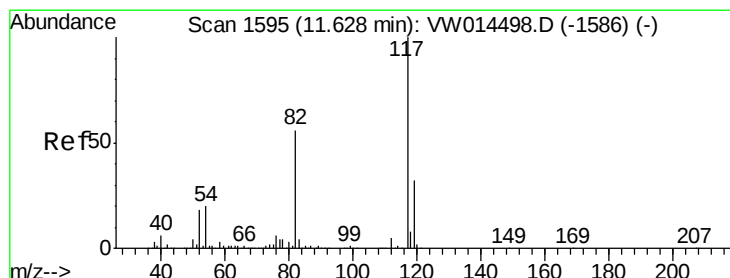
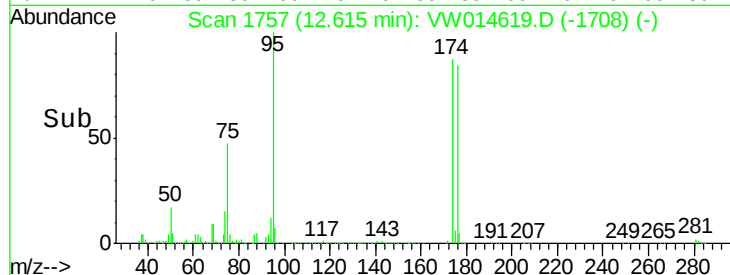
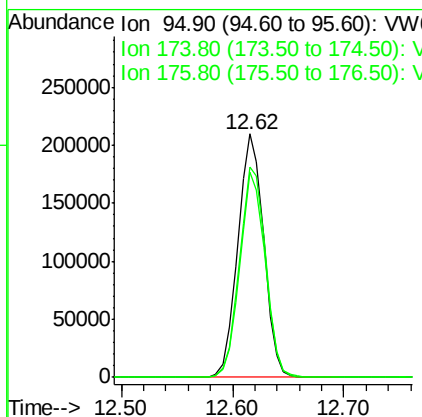
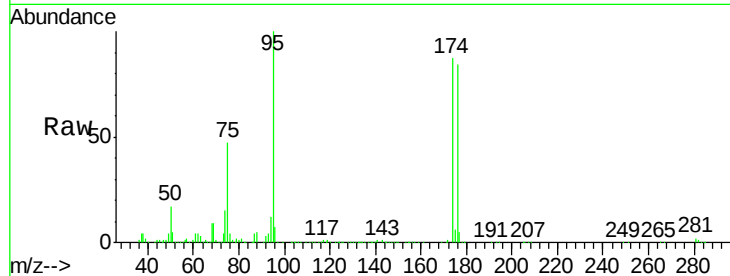




#62
4-Bromofluorobenzene
Concen: 39.521 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014619.D
Acq: 13 Jan 2020 12:58

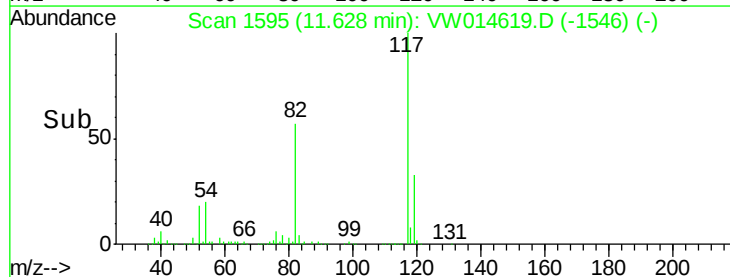
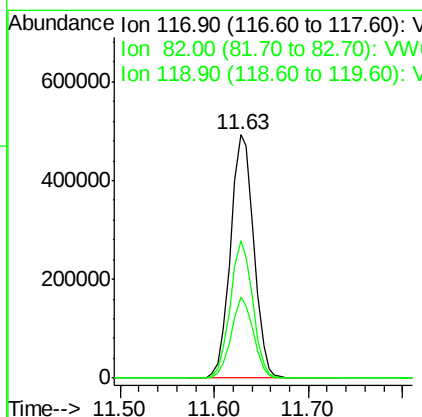
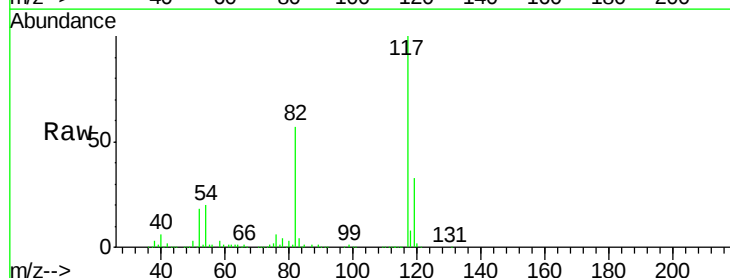
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-03-0-2

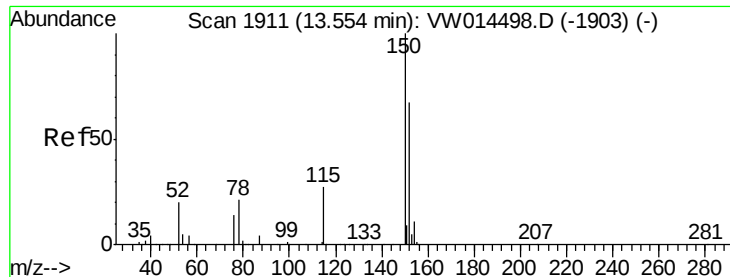
Tgt Ion: 95 Resp: 337054
Ion Ratio Lower Upper
95 100
174 87.6 0.0 168.6
176 82.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014619.D
Acq: 13 Jan 2020 12:58

Tgt Ion: 117 Resp: 841990
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 33.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014619.D

Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-03-0-2

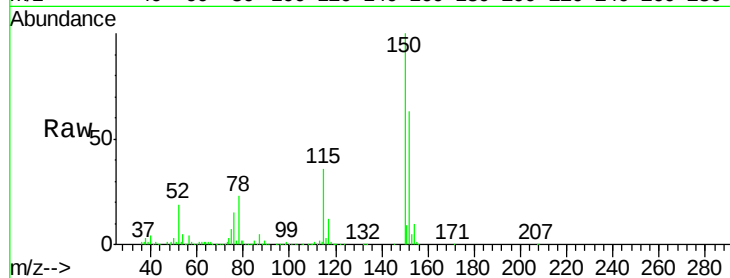
Tgt Ion:152 Resp: 303922

Ion Ratio Lower Upper

152 100

115 56.6 27.7 83.1

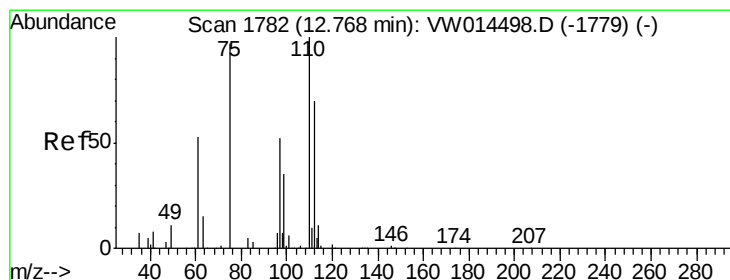
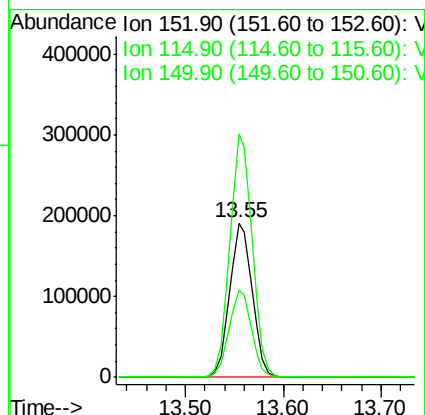
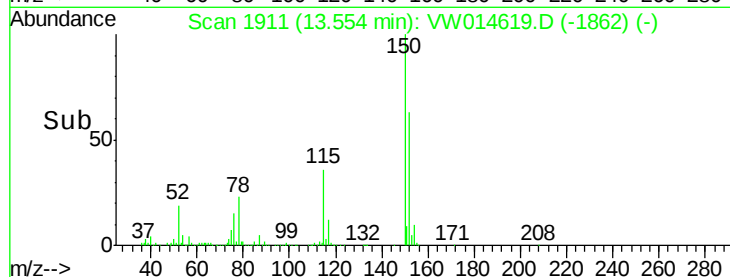
150 156.7 0.0 343.4



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: 55.855 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014619.D

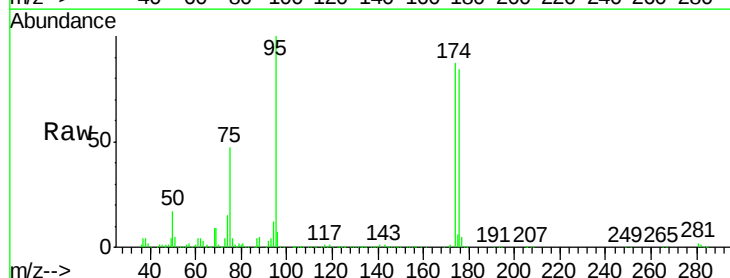
Acq: 13 Jan 2020 12:58

Tgt Ion: 75 Resp: 160501

Ion Ratio Lower Upper

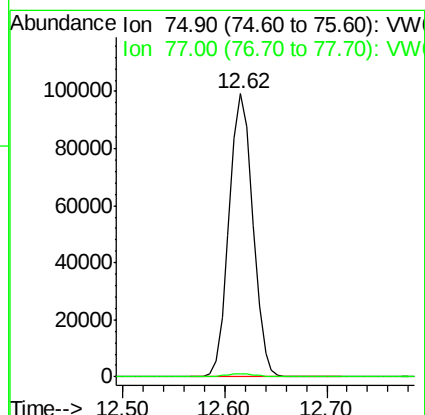
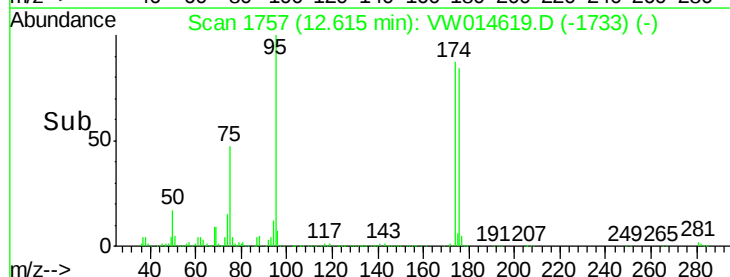
75 100

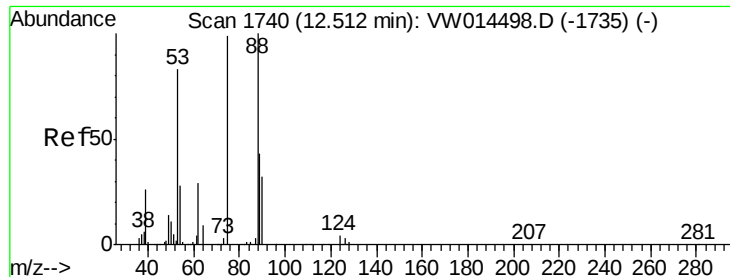
77 1.4 0.0 0.0#



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: 124.447 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014619.D

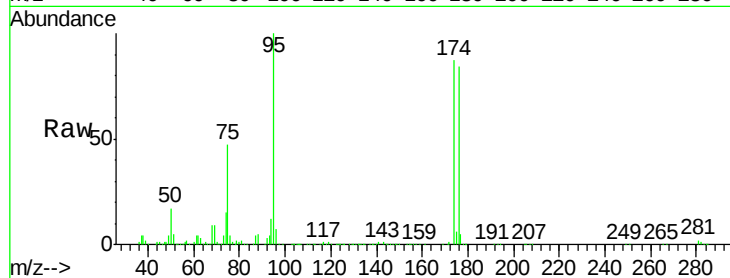
Acq: 13 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-03-0-2



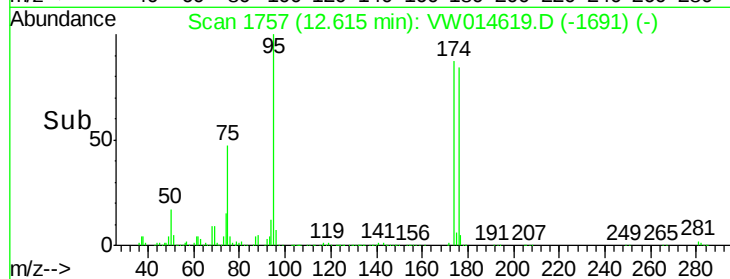
Tgt Ion: 75 Resp: 160501

Ion Ratio Lower Upper

75 100

53 0.2 70.9 106.3#

89 0.0 35.8 53.8#



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

