

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007535.D
 Acq On : 14 Dec 2018 15:07
 Operator : SY/AP
 Sample : J6371-05
 Misc : 4.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB04-14-16

Quant Time: Dec 15 00:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	96529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	163046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71644	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	50122	46.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.60%	
35) Dibromofluoromethane	7.88	113	44968	45.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.12%	
50) Toluene-d8	10.32	98	171444	46.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.66%	
62) 4-Bromofluorobenzene	12.62	95	64747	47.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.18%	

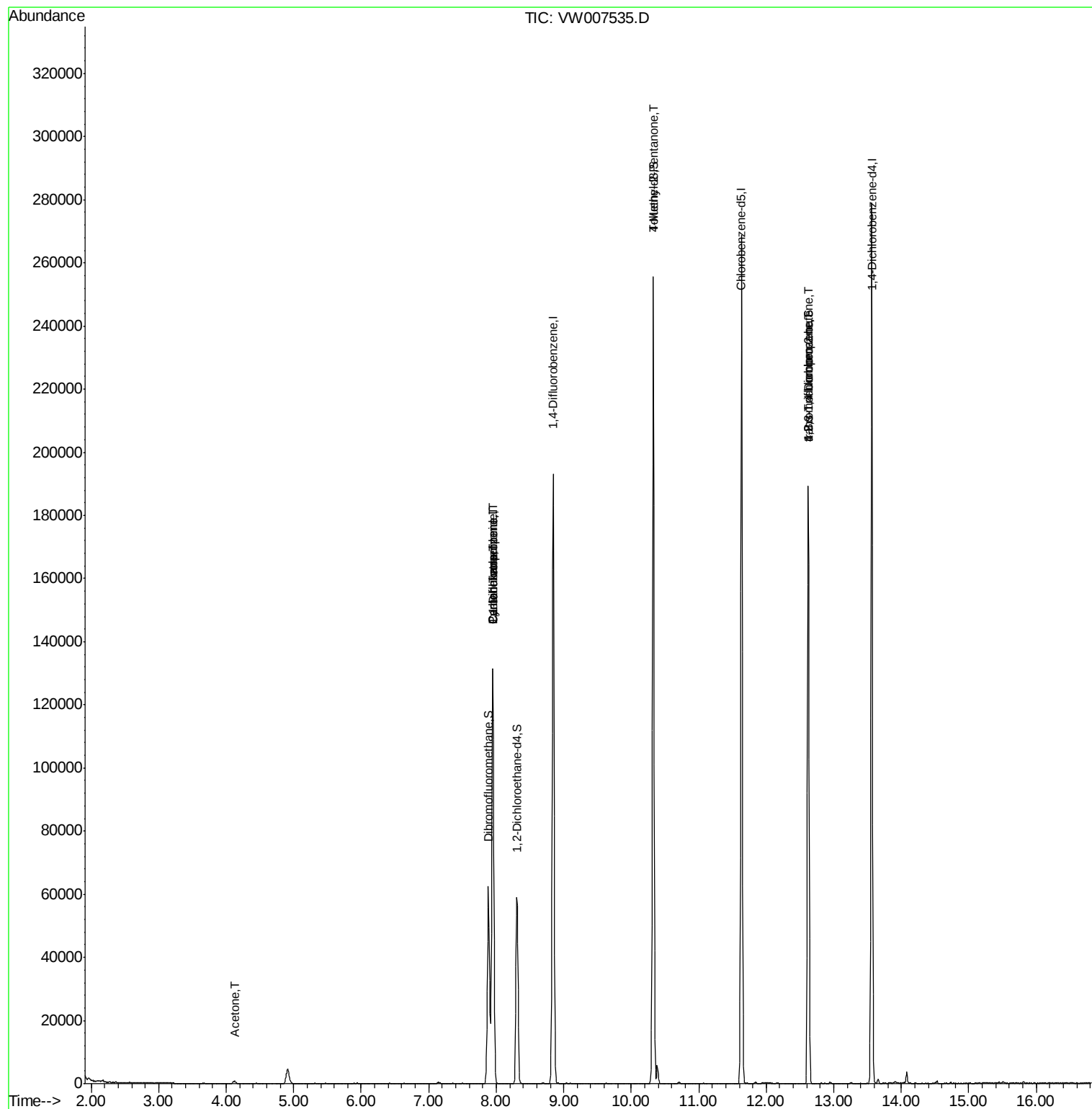
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1512	8.083	ug/l	95
20) Methylene Chloride	4.92	84	3890	Below Cal	#	95
31) Cyclohexane	7.95	56	1974	1.187	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	7237	4.866	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10346	6.393	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	683	1.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	32807	55.537	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32807	122.681	ug/l #	7

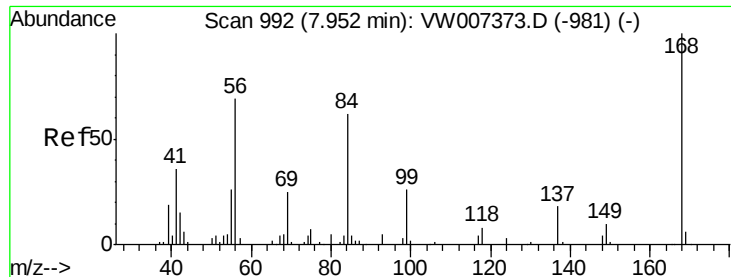
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampleId :

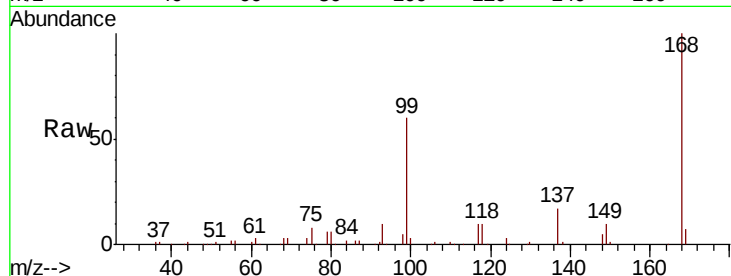
EB04-14-16

Tgt Ion:168 Resp: 96529

Ion Ratio Lower Upper

168 100

99 59.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

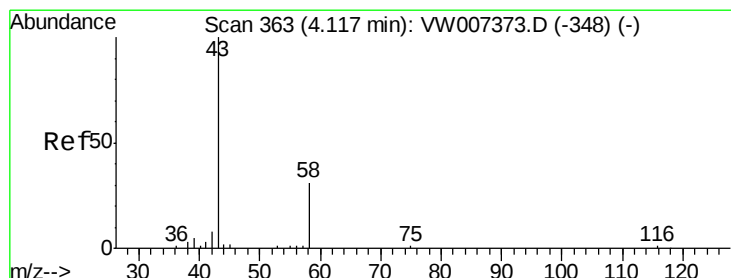
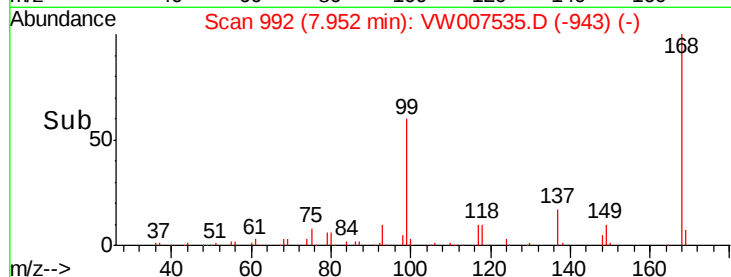
10000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 8.083 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007535.D

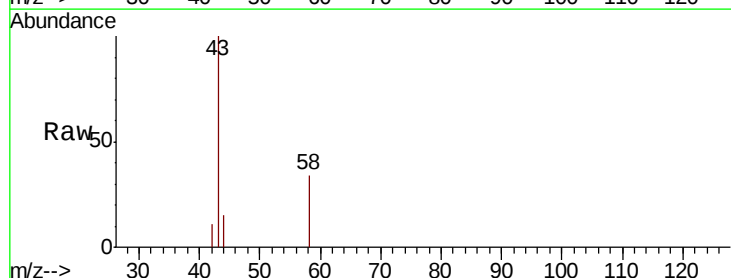
Acq: 14 Dec 2018 15:07

Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

58 34.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

600

500

400

300

200

100

0

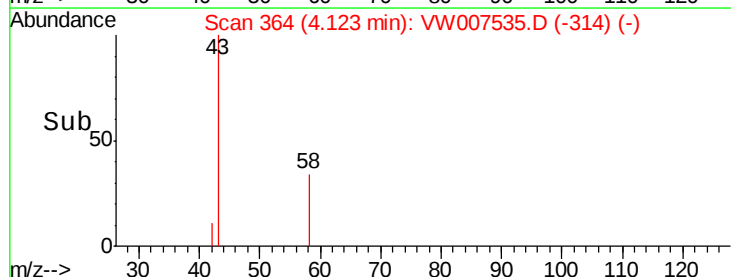
4.05

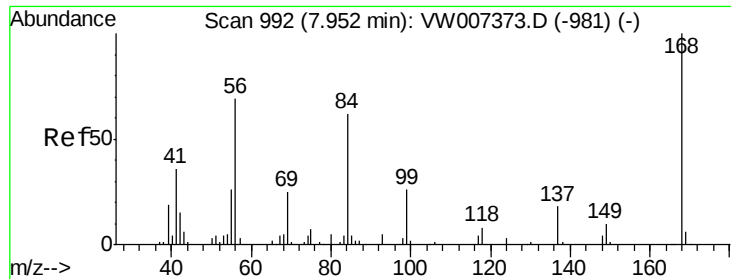
4.10

4.15

4.20

Time-->

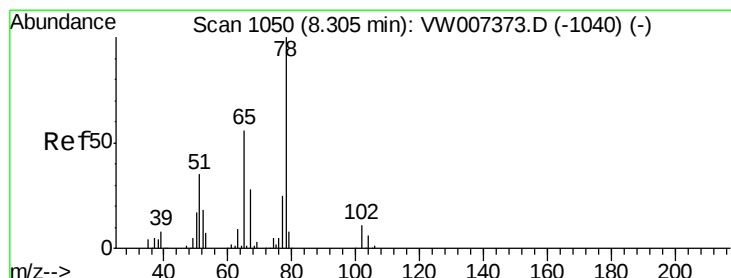
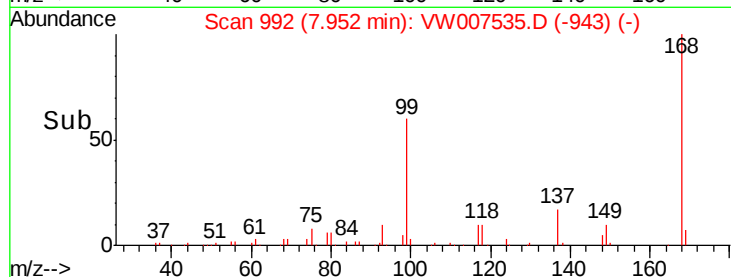
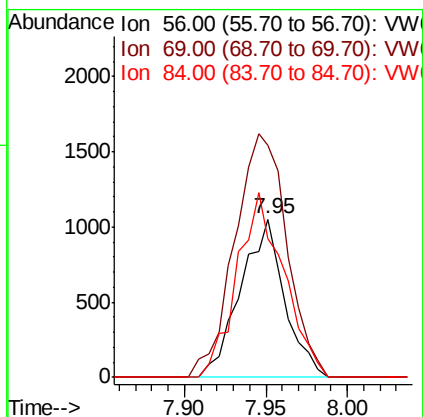
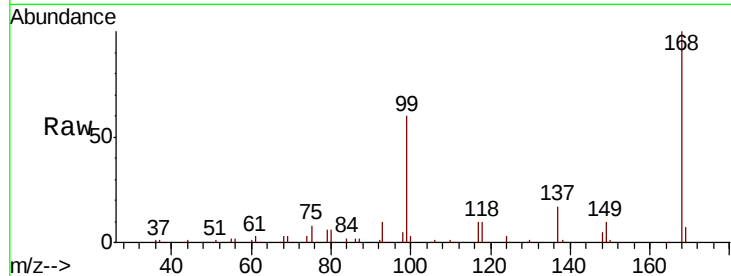




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007535.D
Acq: 14 Dec 2018 15:07

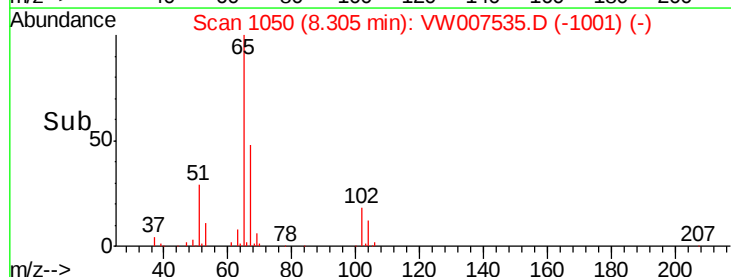
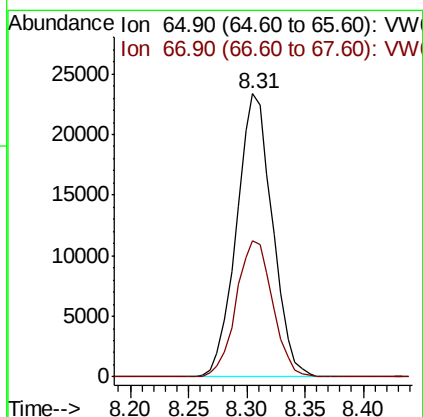
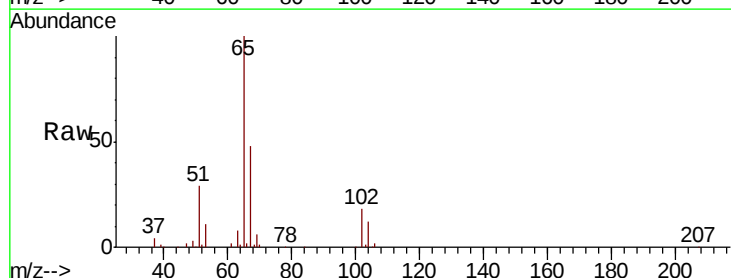
Instrument :
BNA_G
ClientSampleId :
EB04-14-16

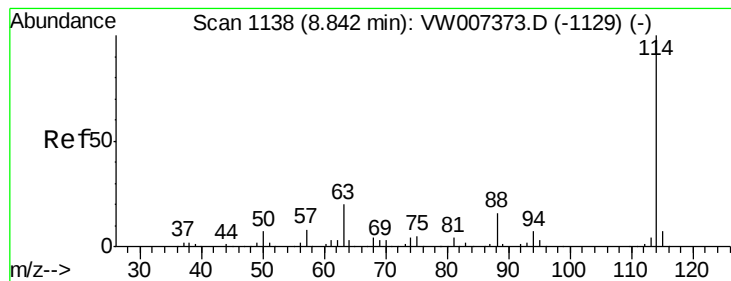
Tgt Ion: 56 Resp: 1974
Ion Ratio Lower Upper
56 100
69 146.9 28.9 43.3#
84 87.4 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 46.803 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007535.D
Acq: 14 Dec 2018 15:07

Tgt Ion: 65 Resp: 50122
Ion Ratio Lower Upper
65 100
67 48.9 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampled :

EB04-14-16

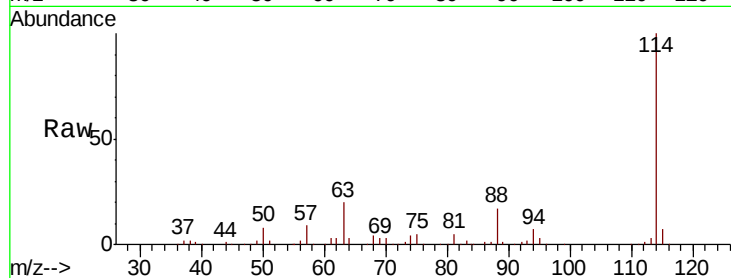
Tgt Ion:114 Resp: 163046

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

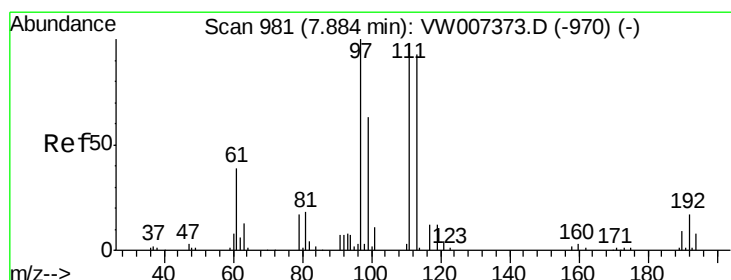
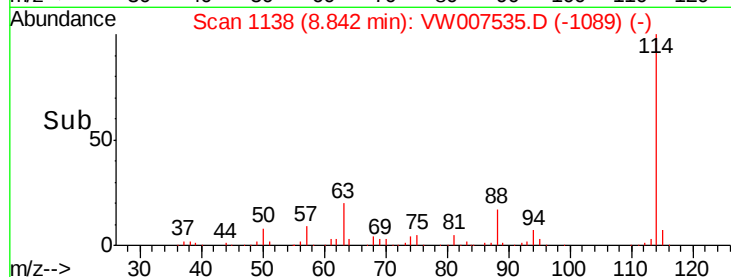
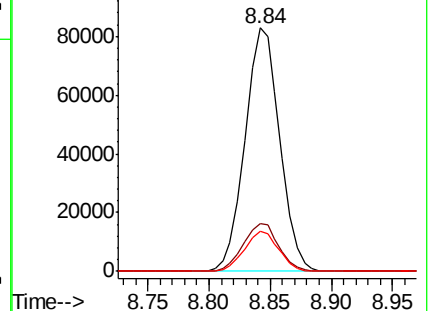
88 16.7 0.0 31.4



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: 45.561 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

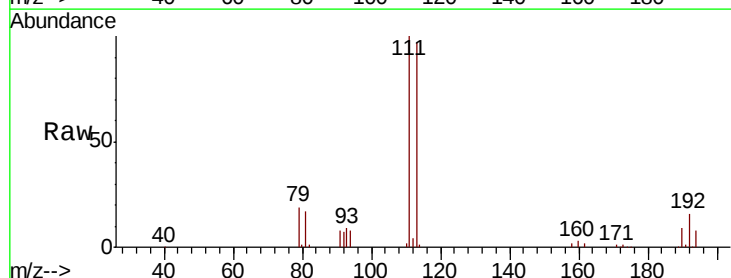
Tgt Ion:113 Resp: 44968

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

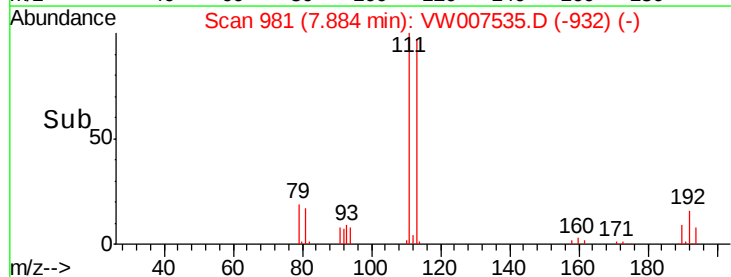
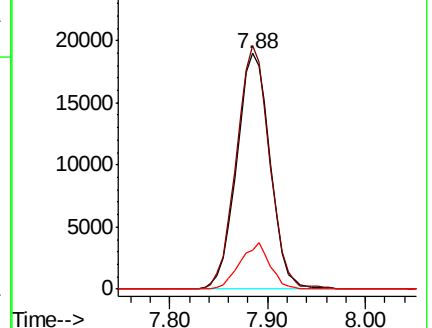
192 17.6 14.6 21.8

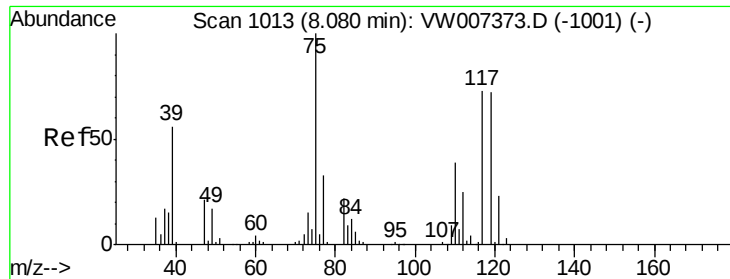


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampleId :

EB04-14-16

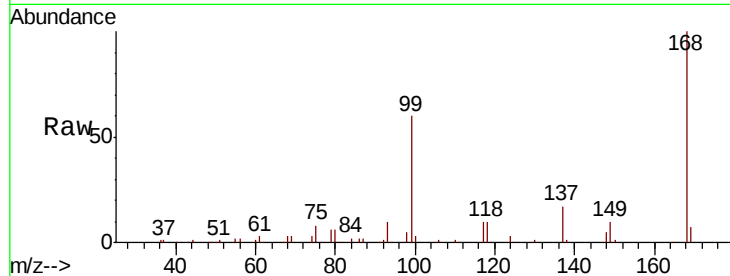
Tgt Ion: 75 Resp: 7237

Ion Ratio Lower Upper

75 100

110 9.9 18.5 55.5#

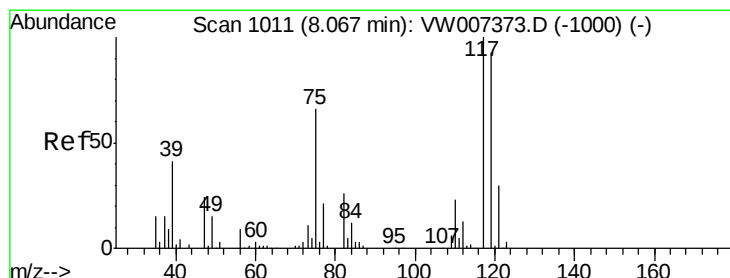
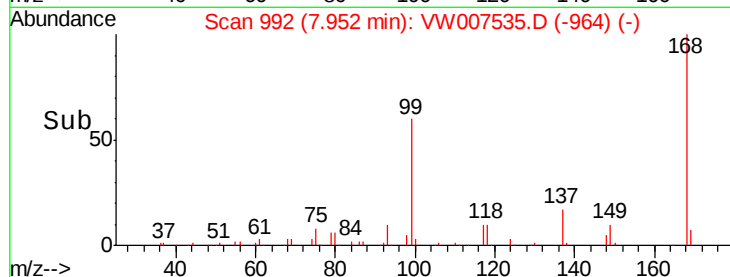
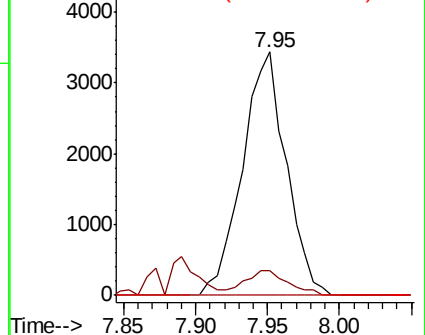
77 0.0 25.6 38.4#



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: 6.393 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

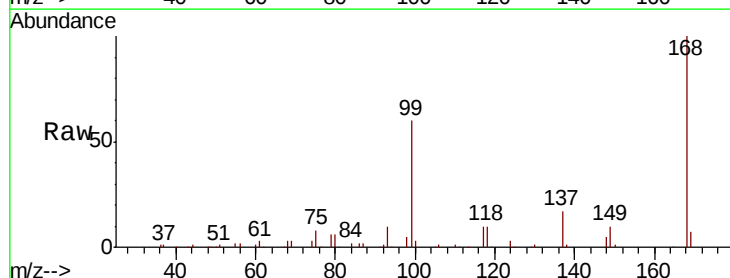
Tgt Ion: 117 Resp: 10346

Ion Ratio Lower Upper

117 100

119 3.7 74.3 111.5#

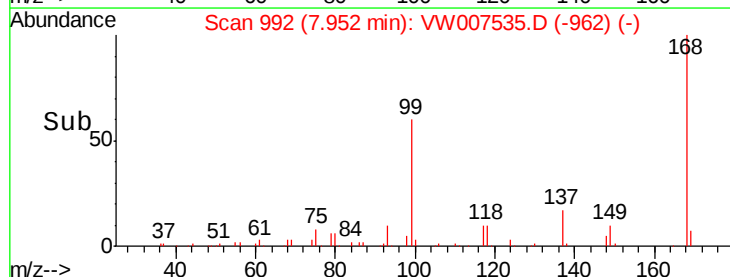
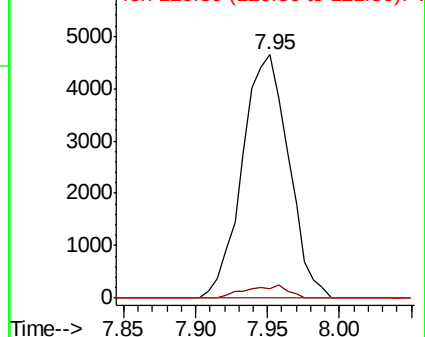
121 0.0 24.3 36.5#

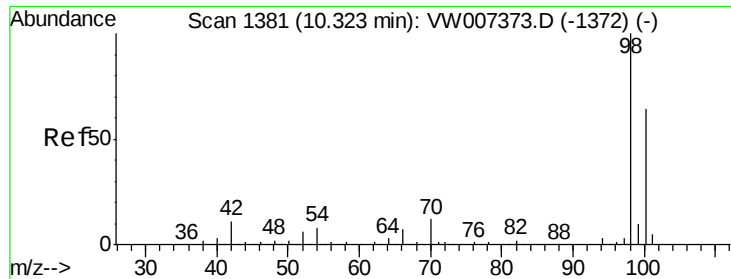


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

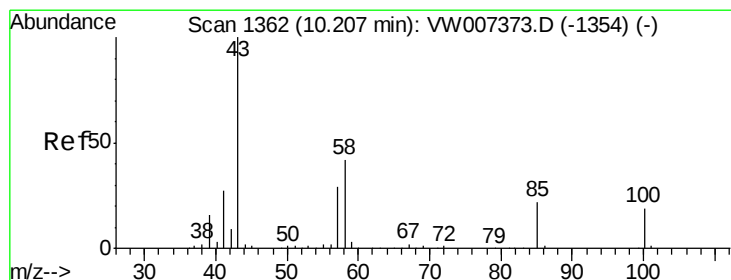
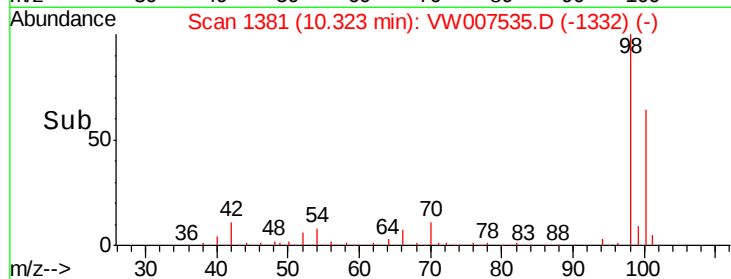
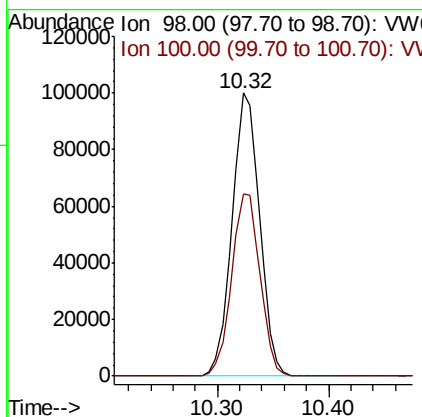
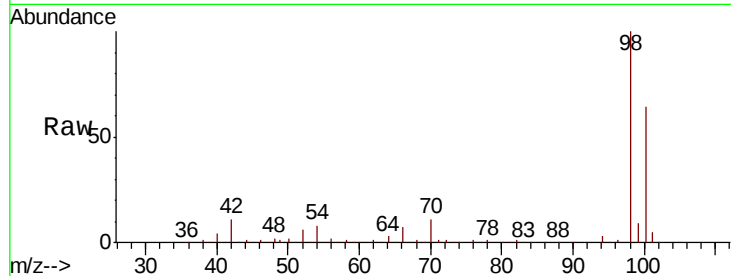




#50
Toluene-d8
Concen: 46.328 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007535.D
Acq: 14 Dec 2018 15:07

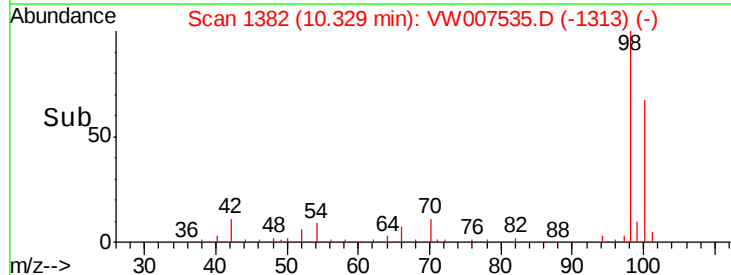
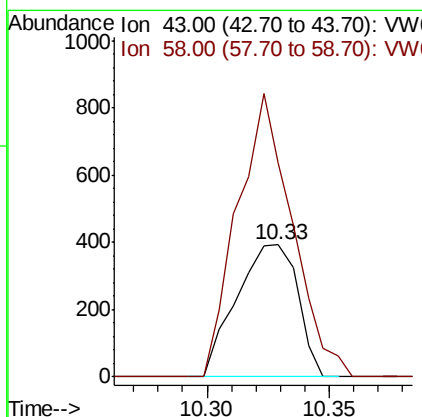
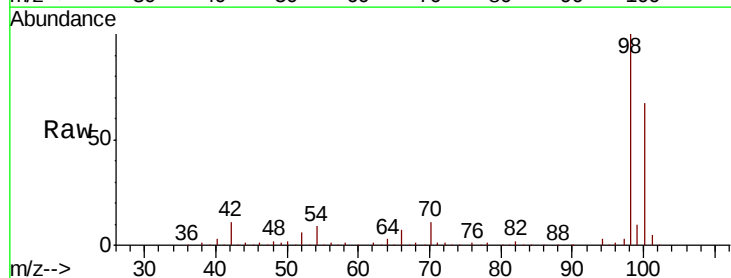
Instrument :
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ClientSampleId :
EB04-14-16

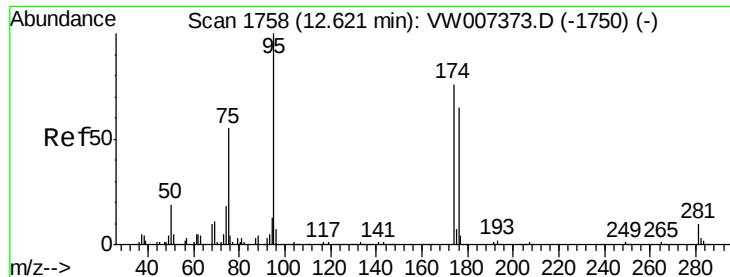
Tgt Ion: 98 Resp: 171444
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW007535.D
Acq: 14 Dec 2018 15:07

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 192.5 33.1 49.7#





#62

4-Bromofluorobenzene

Concen: 47.586 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampleId :

EB04-14-16

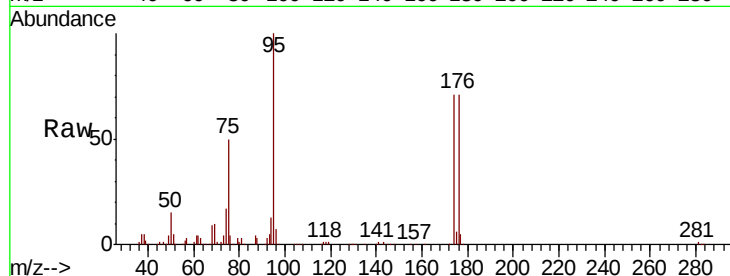
Tgt Ion: 95 Resp: 64747

Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.2

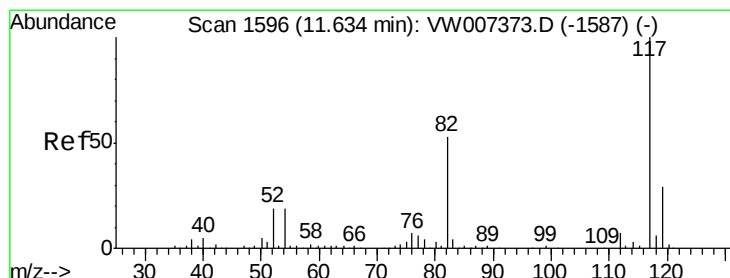
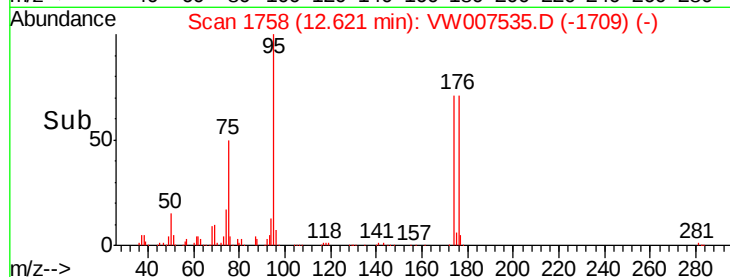
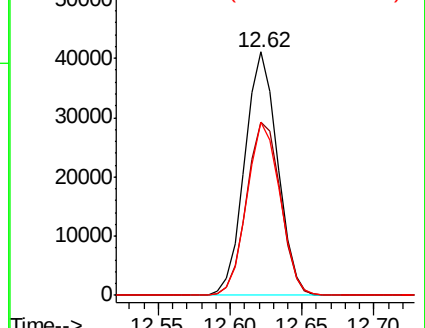
176 71.8 0.0 138.8



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# 1596

Delta R.T. 0.00 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

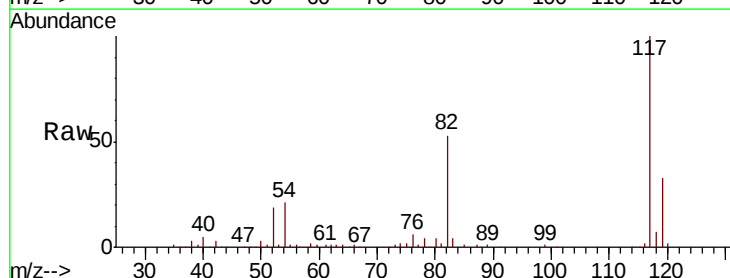
Tgt Ion: 117 Resp: 148746

Ion Ratio Lower Upper

117 100

82 53.4 42.3 63.5

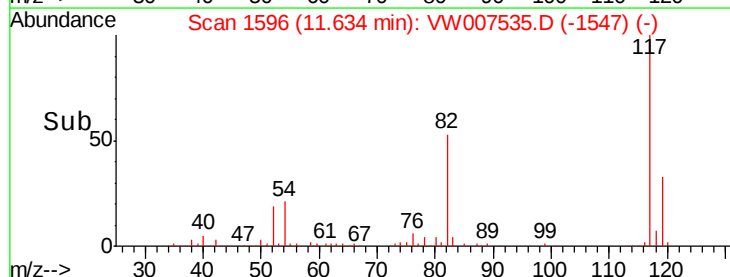
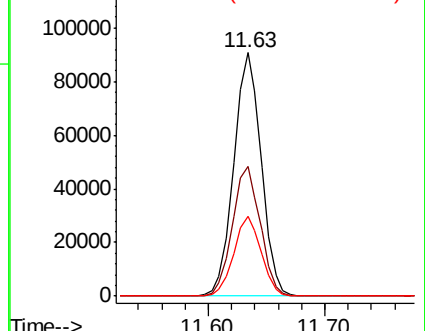
119 32.5 23.0 34.6

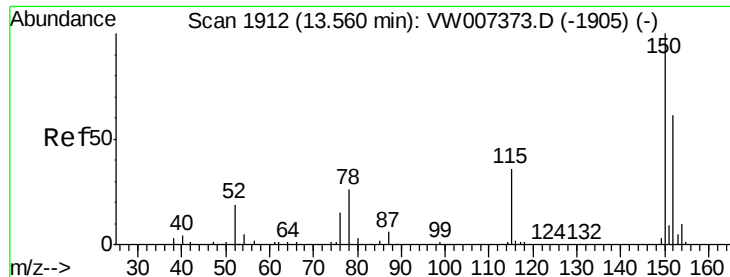


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampleId :

EB04-14-16

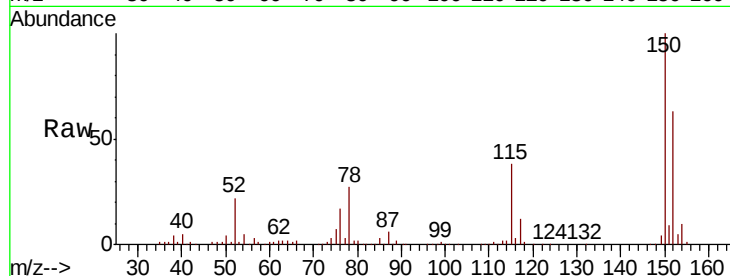
Tgt Ion:152 Resp: 71644

Ion Ratio Lower Upper

152 100

115 61.4 31.4 94.2

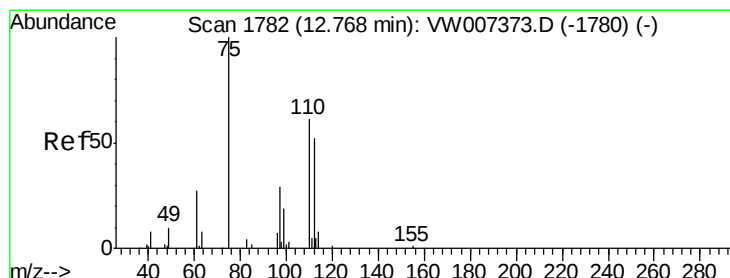
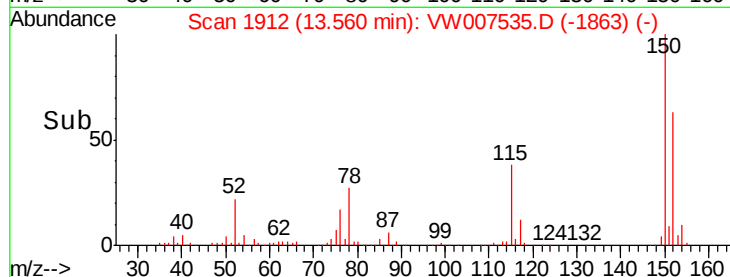
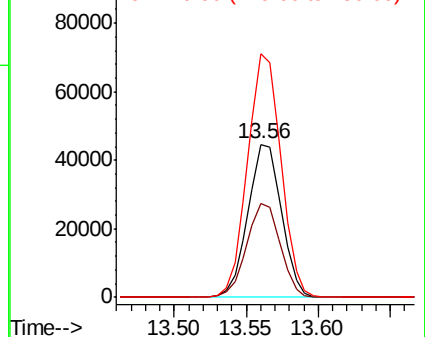
150 158.9 0.0 358.4



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: 55.537 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007535.D

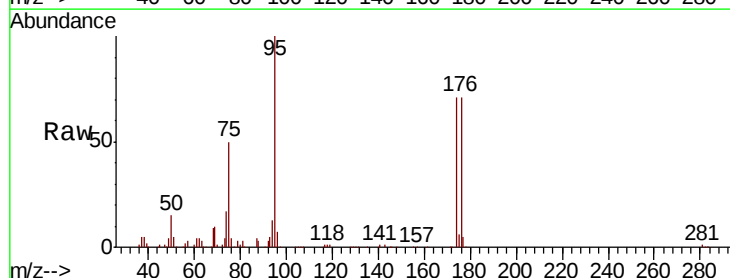
Acq: 14 Dec 2018 15:07

Tgt Ion: 75 Resp: 32807

Ion Ratio Lower Upper

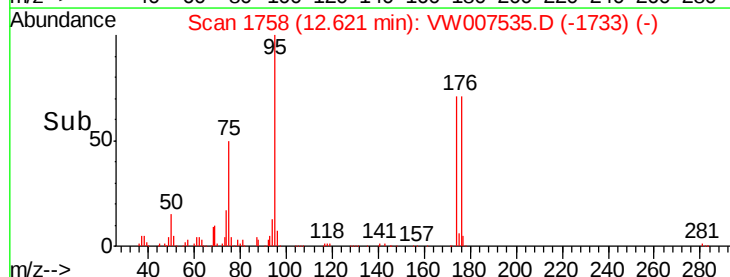
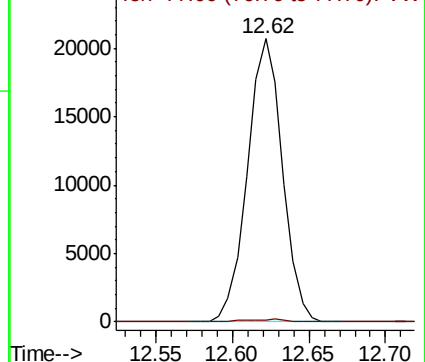
75 100

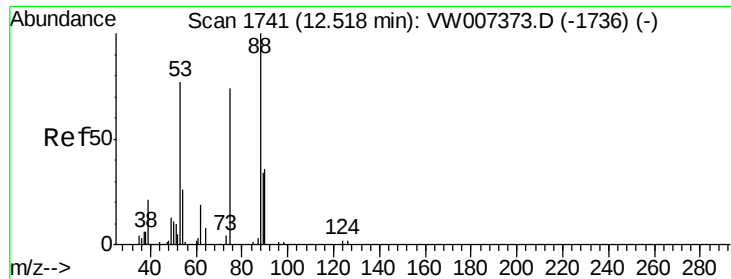
77 1.0 166.9 500.8#



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: 122.681 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007535.D

Acq: 14 Dec 2018 15:07

Instrument :

BNA_G

ClientSampleId :

EB04-14-16

Tgt Ion: 75 Resp: 32807

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

