

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015272.D
 Acq On : 21 Apr 2020 19:19
 Operator : SY/VA
 Sample : L2314-06
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:00:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

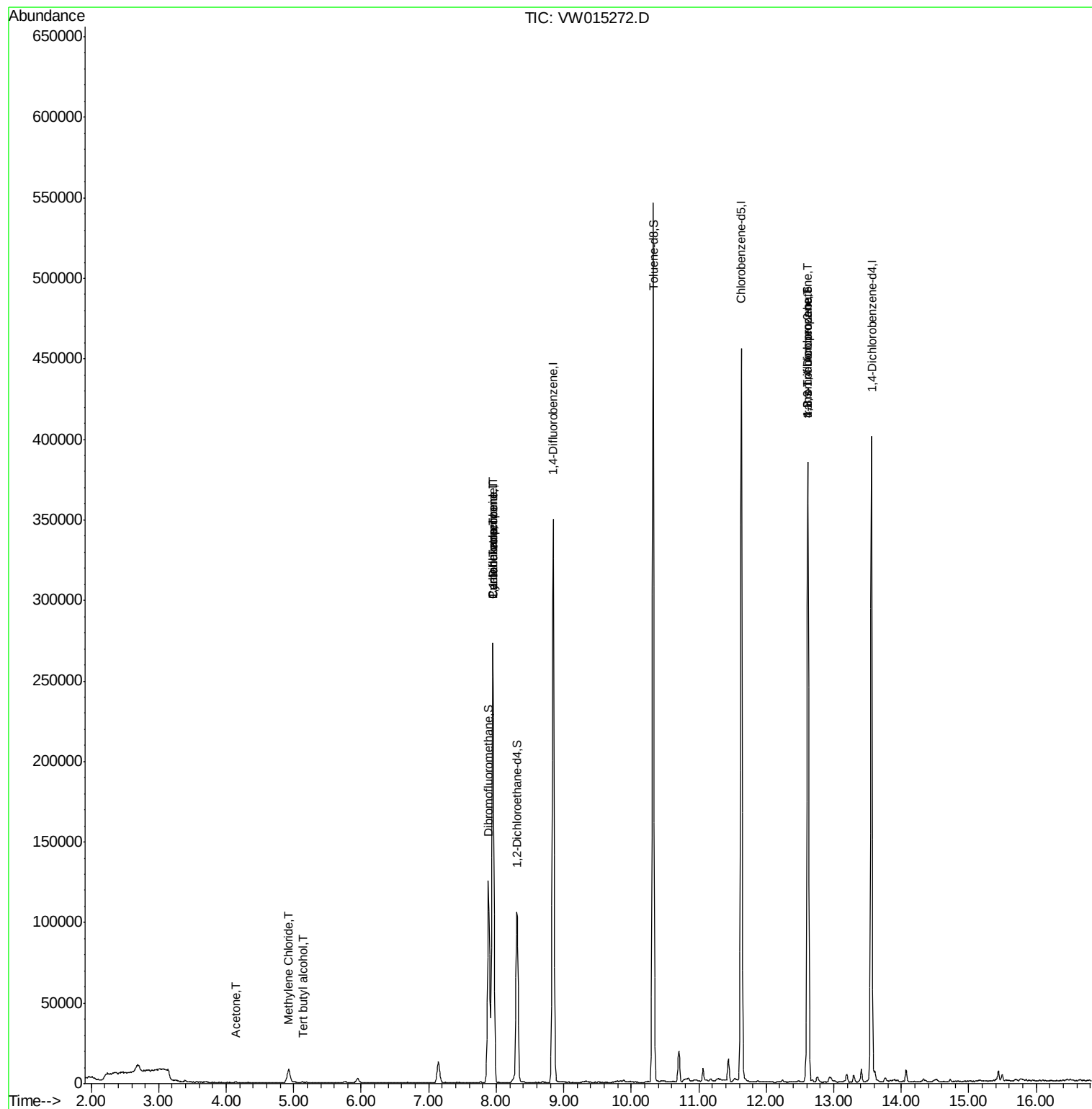
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	86278	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
35) Dibromofluoromethane	7.88	113	89140	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
50) Toluene-d8	10.32	98	363268	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.62	95	116542	42.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.58%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	352	2.449	ug/l #	87
16) Acetone	4.14	43	567	1.841	ug/l #	41
20) Methylene Chloride	4.93	84	6812	3.375	ug/l #	86
31) Cyclohexane	7.95	56	4090	1.254	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14067	5.088	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18997	6.288	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	58412	65.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58412	142.398	ug/l #	15

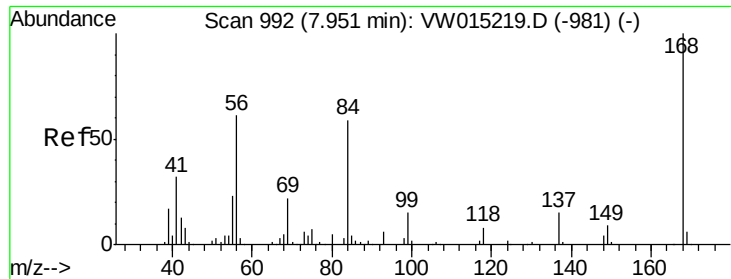
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
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: VW015272.D

Acq: 21 Apr 2020 19:19

Instrument :

MSVOA_W

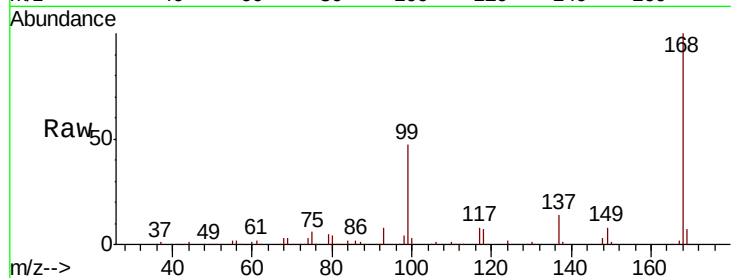
ClientSampled :

Tot Ion:168 Resp: 215602

Ion Ratio Lower Upper

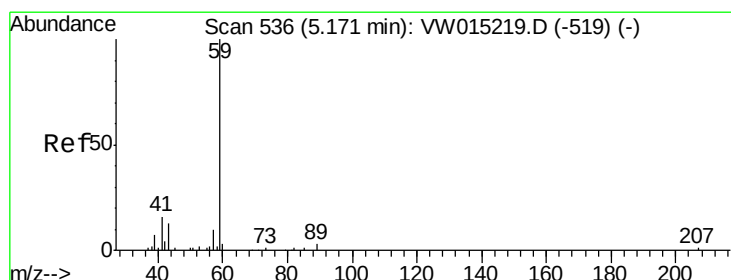
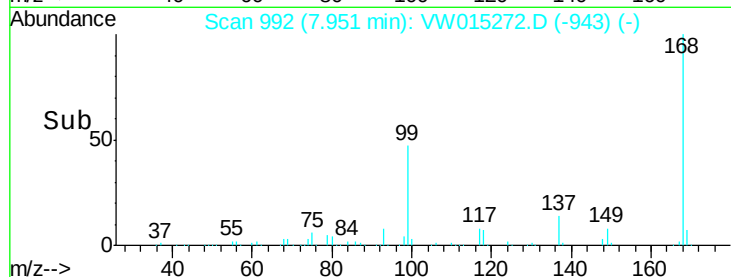
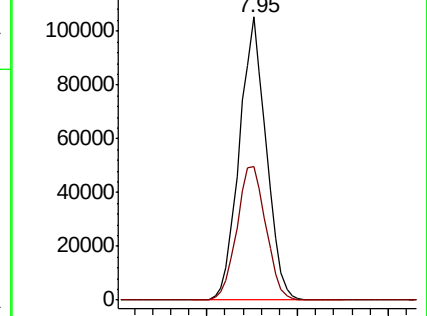
168 100

99 47.0 48.5 72.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.449 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015272.D

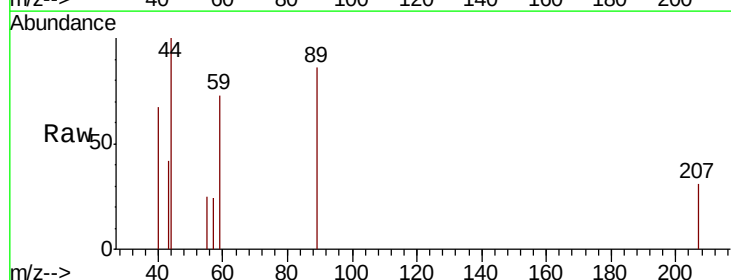
Acq: 21 Apr 2020 19:19

Tgt Ion: 59 Resp: 352

Ion Ratio Lower Upper

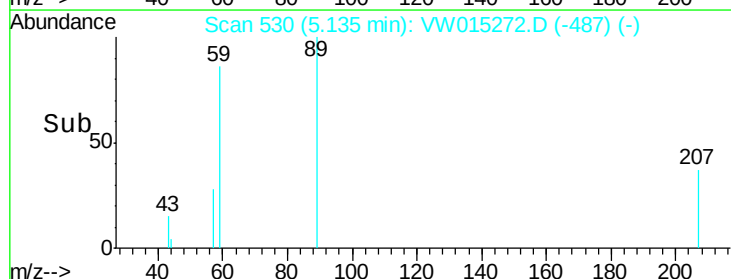
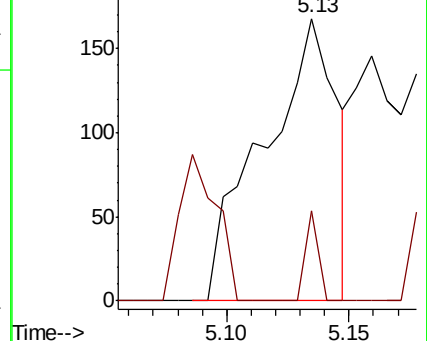
59 100

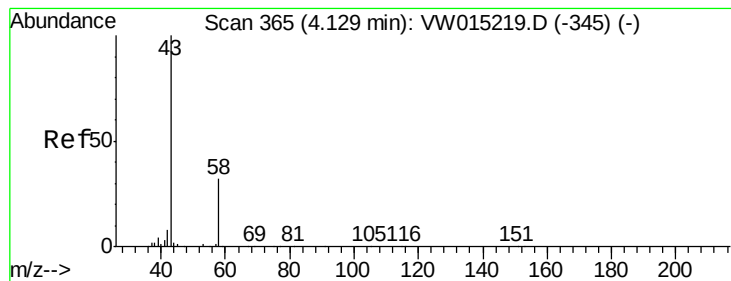
57 5.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.841 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

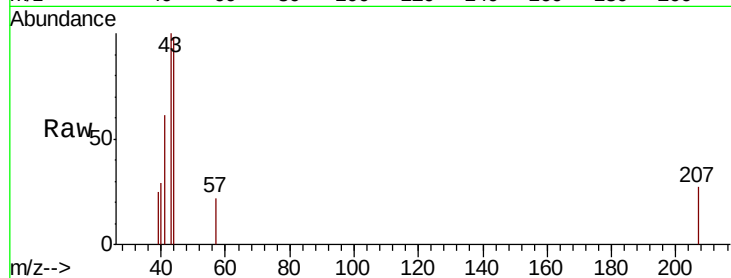
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 567

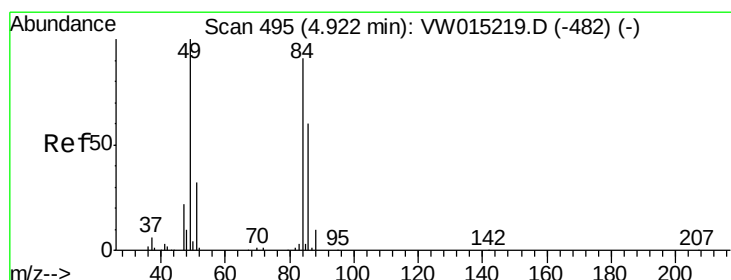
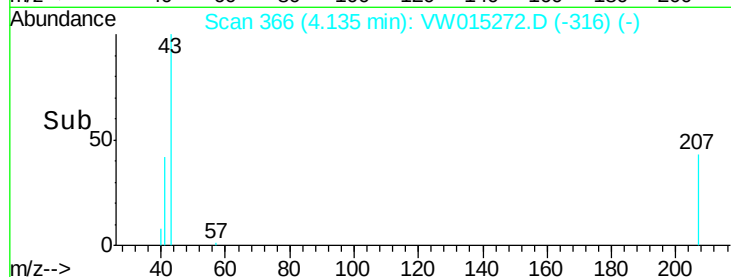
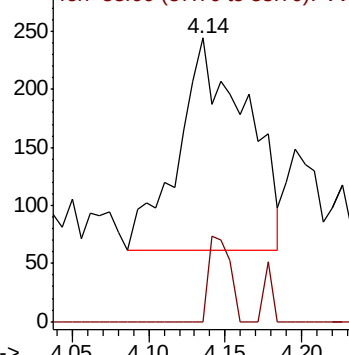
Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.375 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Tgt Ion: 84 Resp: 6812

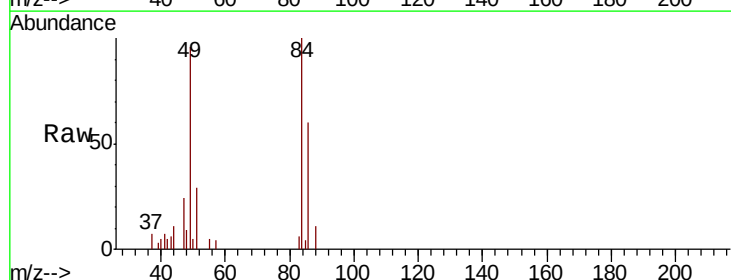
Ion Ratio Lower Upper

84 100

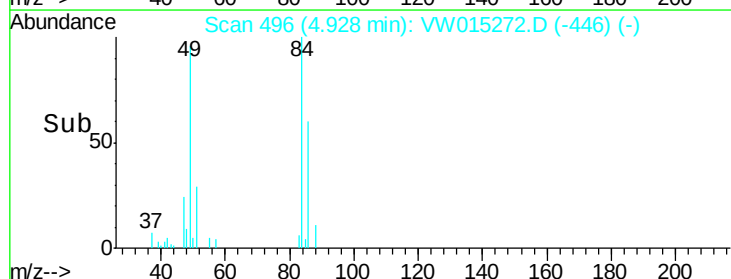
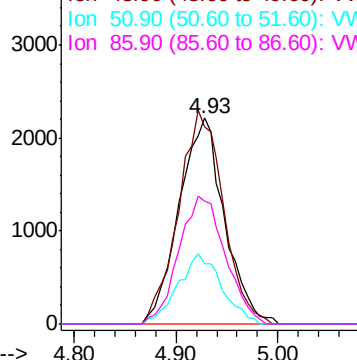
49 95.8 95.4 143.0

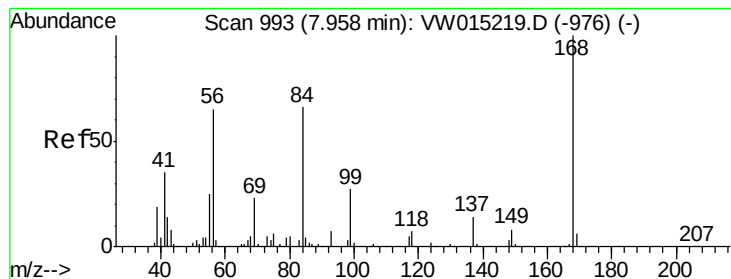
51 29.5 29.8 44.8#

86 59.9 47.4 71.0



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





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Instrument :

MSVOA_W

ClientSampled :

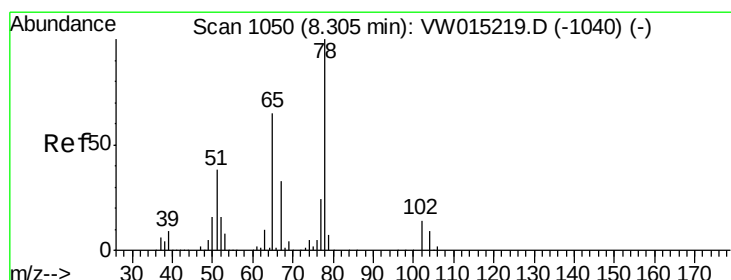
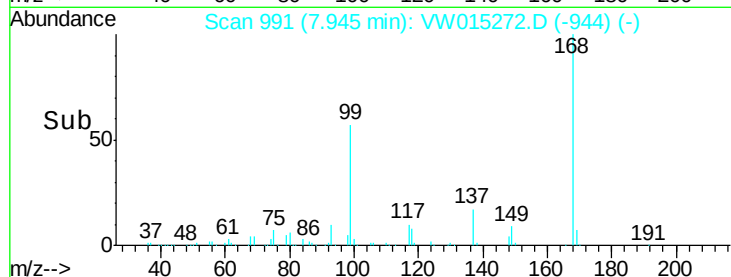
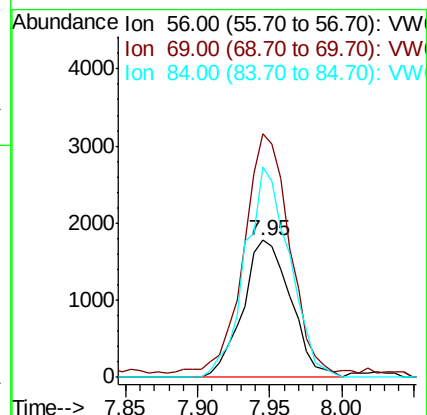
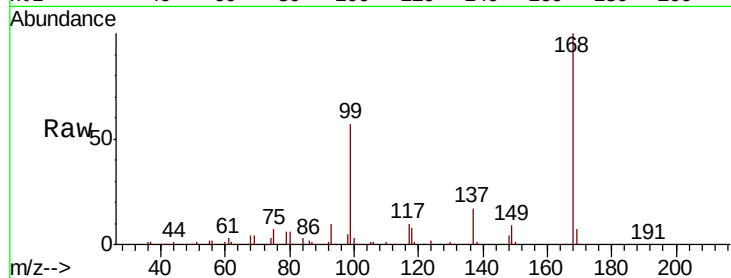
Tot Ion: 56 Resp: 4090

Ion Ratio Lower Upper

56 100

69 172.8 27.1 40.7#

84 153.6 71.9 107.9#



#33

1,2-Dichloroethane-d4

Concen: 48.936 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015272.D

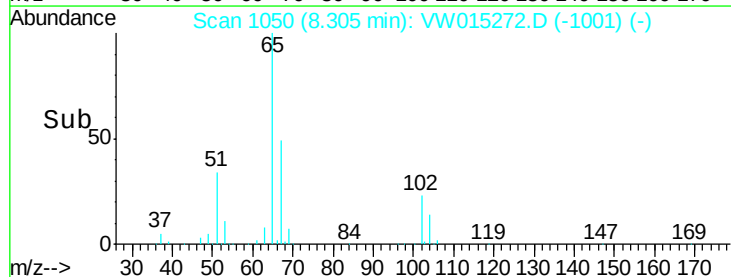
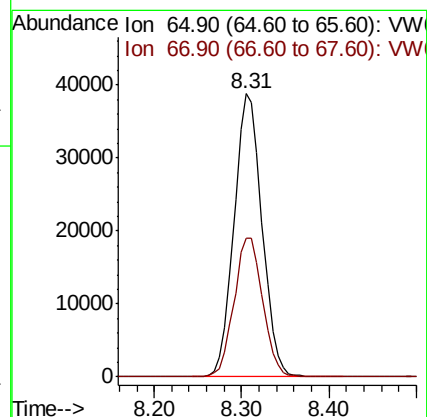
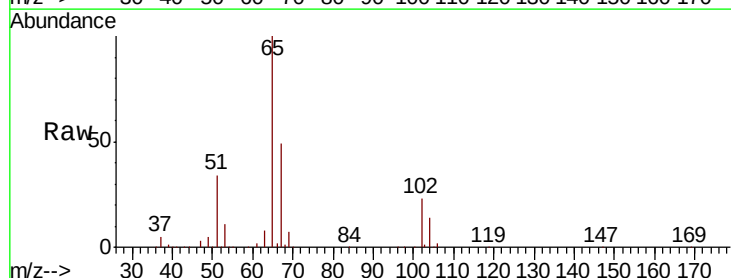
Acq: 21 Apr 2020 19:19

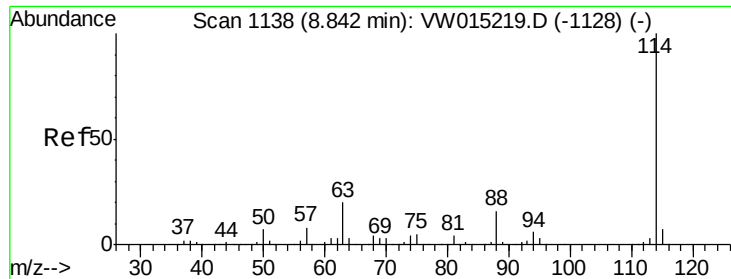
Tgt Ion: 65 Resp: 86278

Ion Ratio Lower Upper

65 100

67 50.5 0.0 107.0

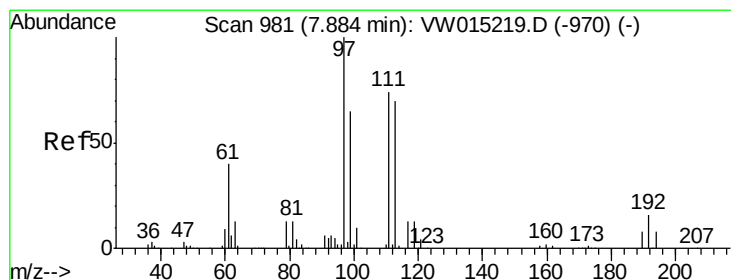
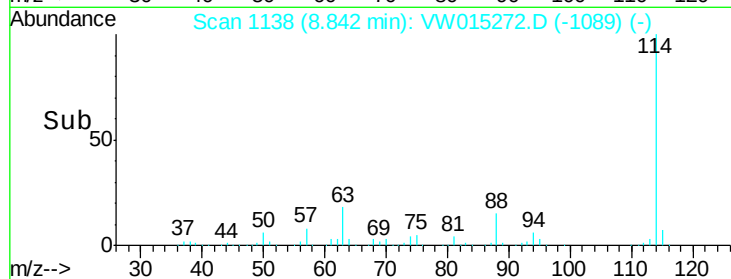
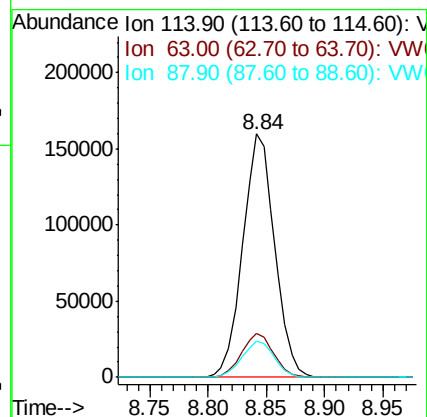
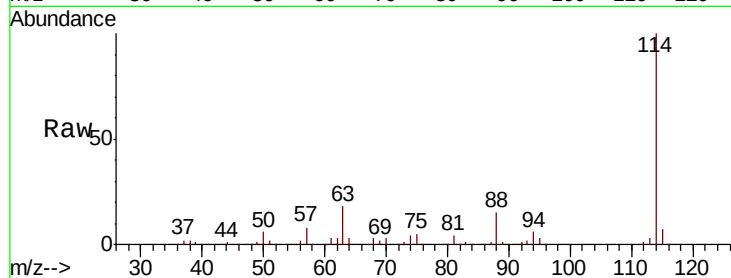




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015272.D
 Acq: 21 Apr 2020 19:19

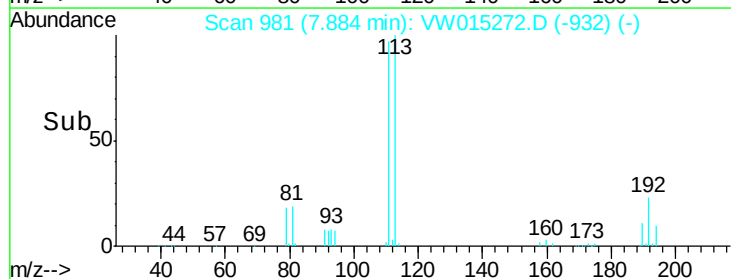
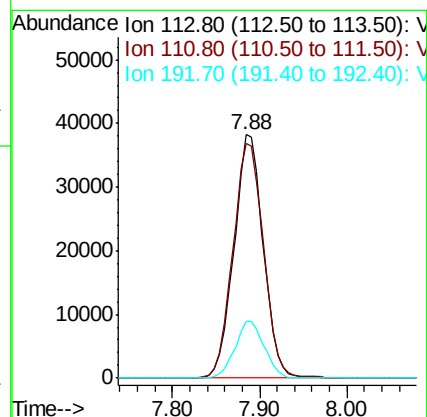
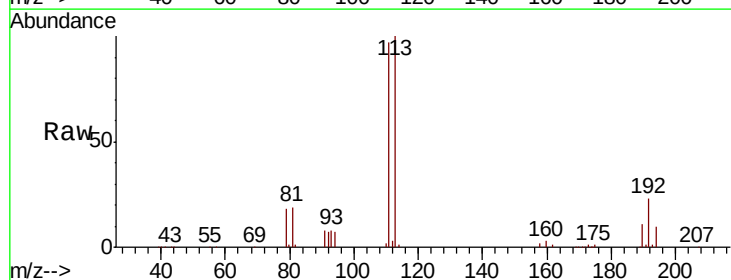
Instrument :
 MSVOA_W
 ClientSampleId :

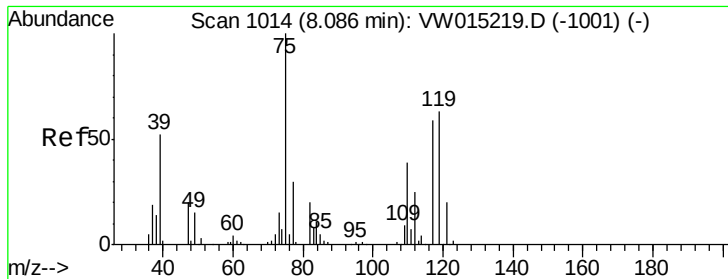
Tot Ion:114 Resp: 306327
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.8
 88 15.0 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 52.534 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015272.D
 Acq: 21 Apr 2020 19:19

Tgt Ion:113 Resp: 89140
 Ion Ratio Lower Upper
 113 100
 111 100.8 83.0 124.4
 192 23.2 15.1 22.7#

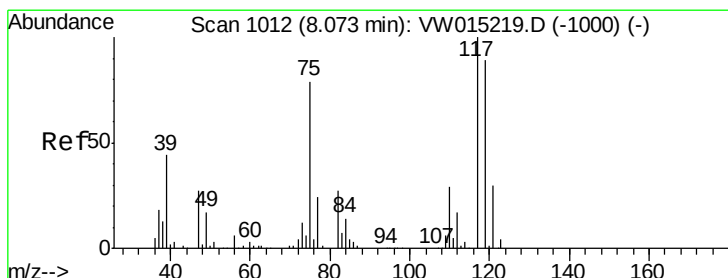
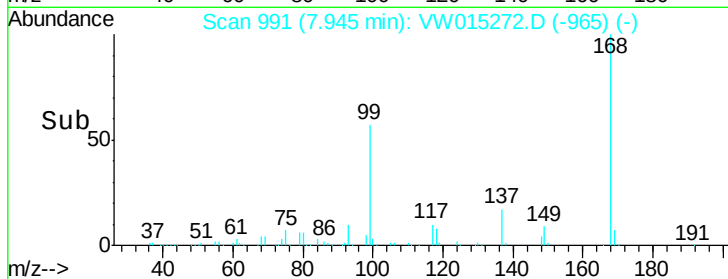
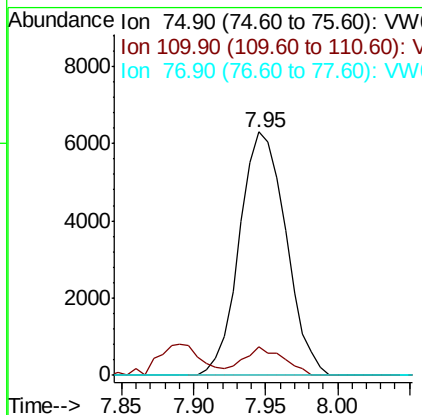
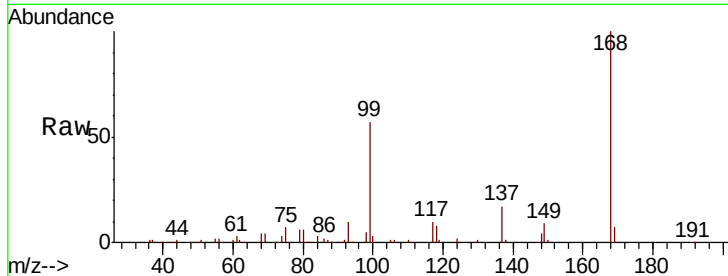




#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015272.D
 Acq: 21 Apr 2020 19:19

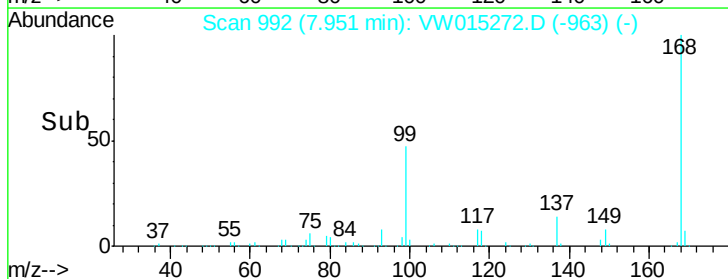
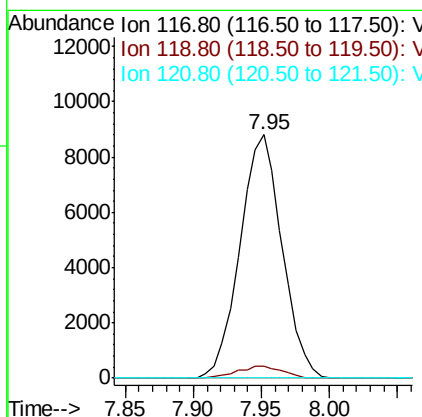
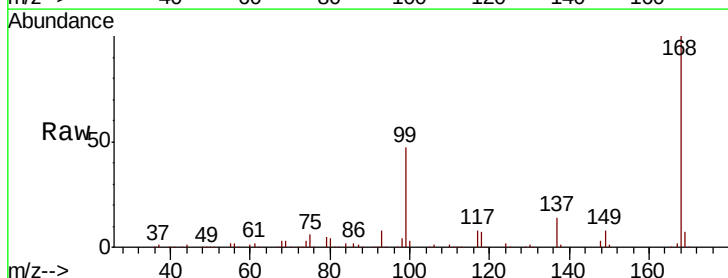
Instrument :
 MSVOA_W
 ClientSampleId :

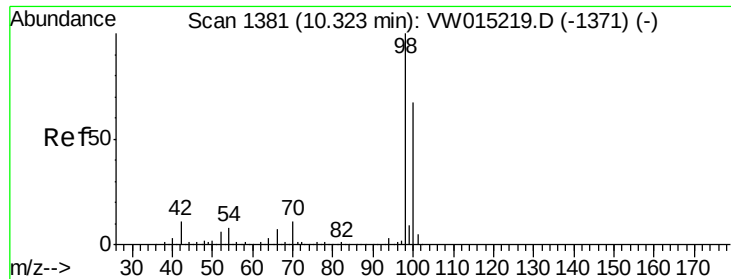
Tot Ion	75	Resp	14067
Ion Ratio	100	Lower	Upper
75	100		
110	10.1	18.2	54.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.288 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015272.D
 Acq: 21 Apr 2020 19:19

Tgt Ion	117	Resp	18997
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.7	72.3	108.5#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 50.893 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Instrument :

MSVOA_W

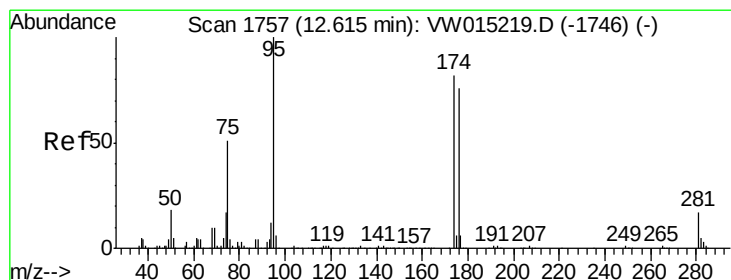
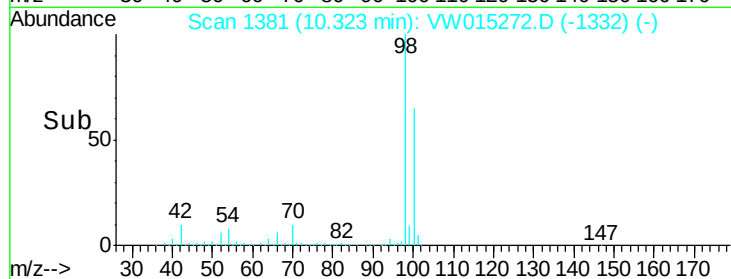
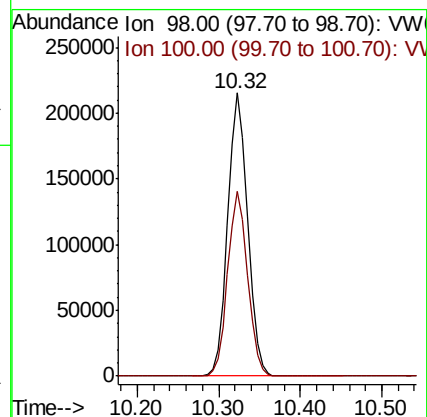
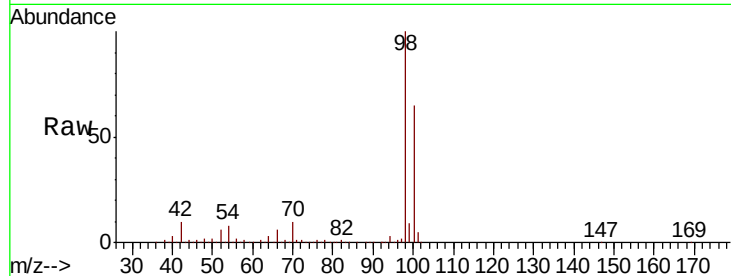
ClientSampleId :

Tot Ion: 98 Resp: 363268

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 42.792 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

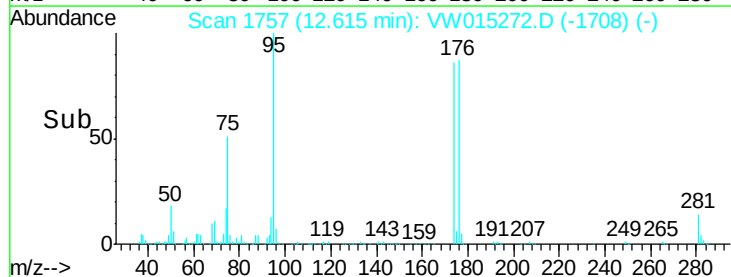
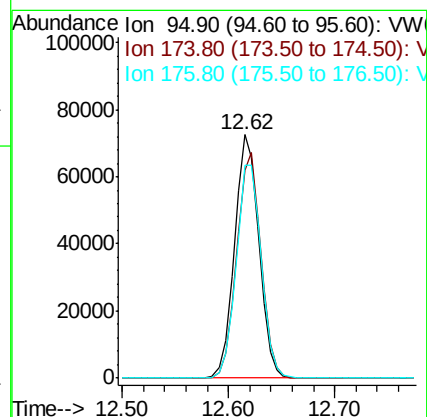
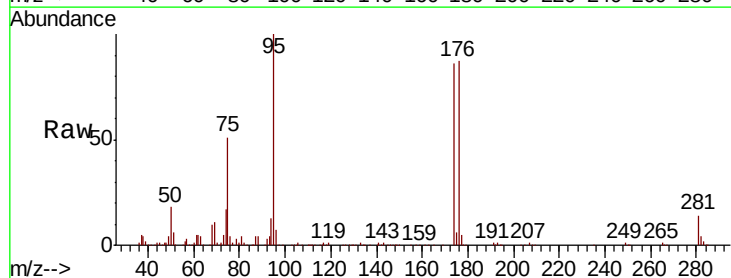
Tgt Ion: 95 Resp: 116542

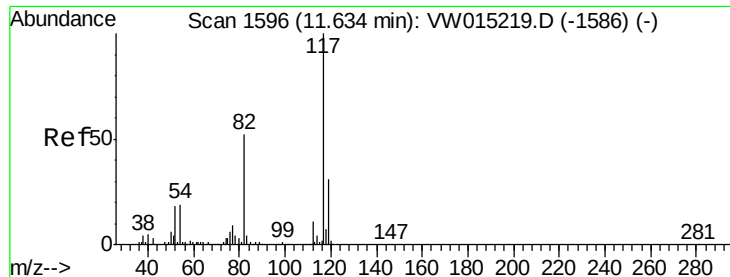
Ion Ratio Lower Upper

95 100

174 92.2 0.0 144.4

176 90.0 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Instrument :

MSVOA_W

ClientSampled :

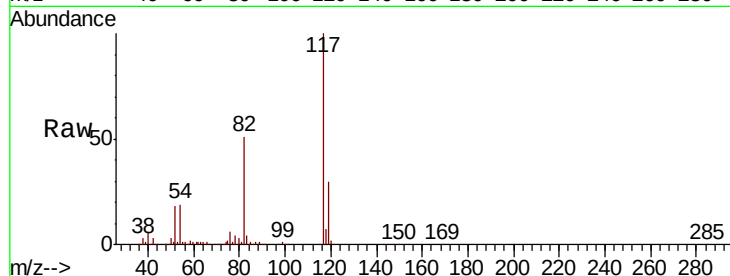
Tot Ion:117 Resp: 271511

Ion Ratio Lower Upper

117 100

82 51.4 44.1 66.1

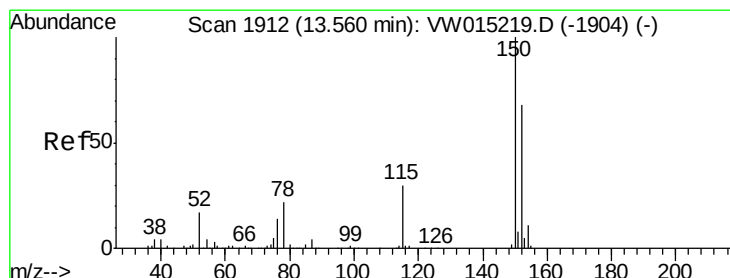
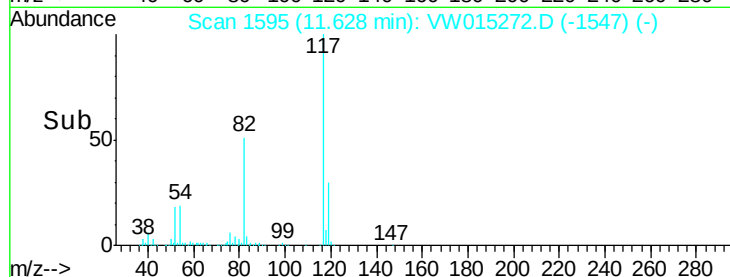
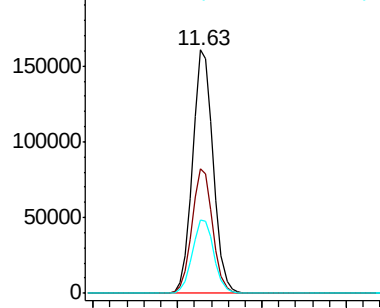
119 30.3 24.9 37.3



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: VW015272.D

Acq: 21 Apr 2020 19:19

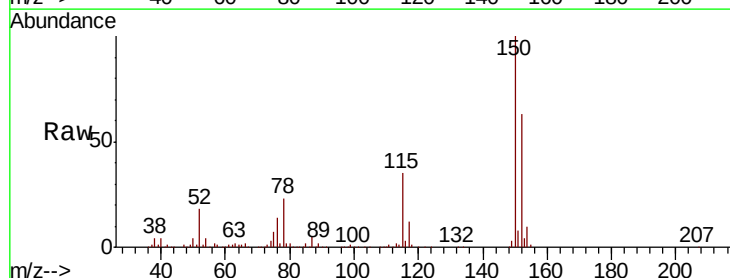
Tgt Ion:152 Resp: 115912

Ion Ratio Lower Upper

152 100

115 55.7 31.3 93.9

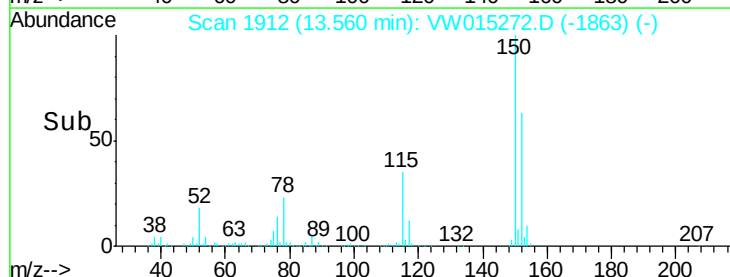
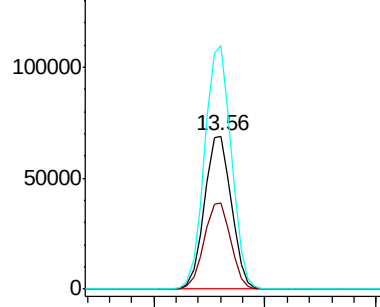
150 157.2 0.0 343.4

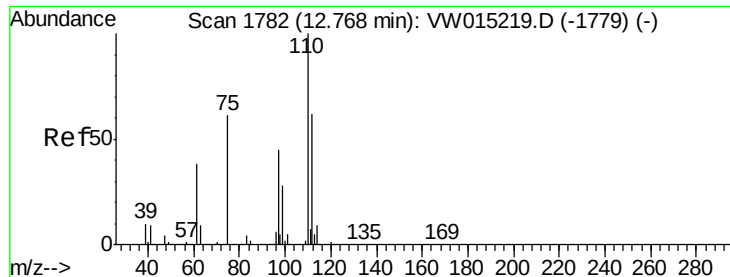


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 65.141 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Instrument :

MSVOA_W

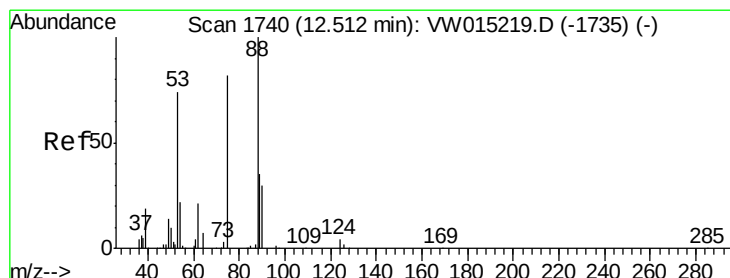
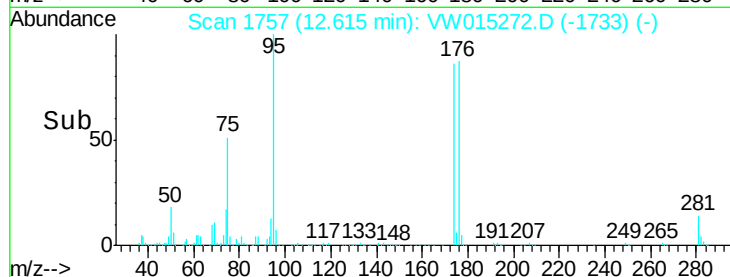
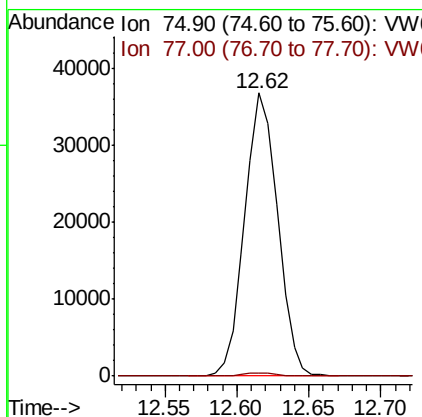
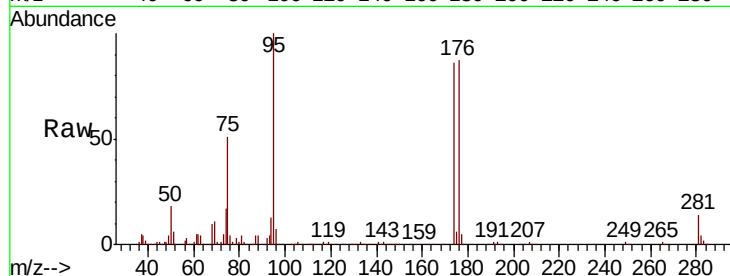
ClientSampleId :

Tot Ion: 75 Resp: 58412

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.398 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015272.D

Acq: 21 Apr 2020 19:19

Tgt Ion: 75 Resp: 58412

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#

