

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015284.D
 Acq On : 22 Apr 2020 01:29
 Operator : SY/VA
 Sample : L2314-12
 Misc : 5.21G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:05:30 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

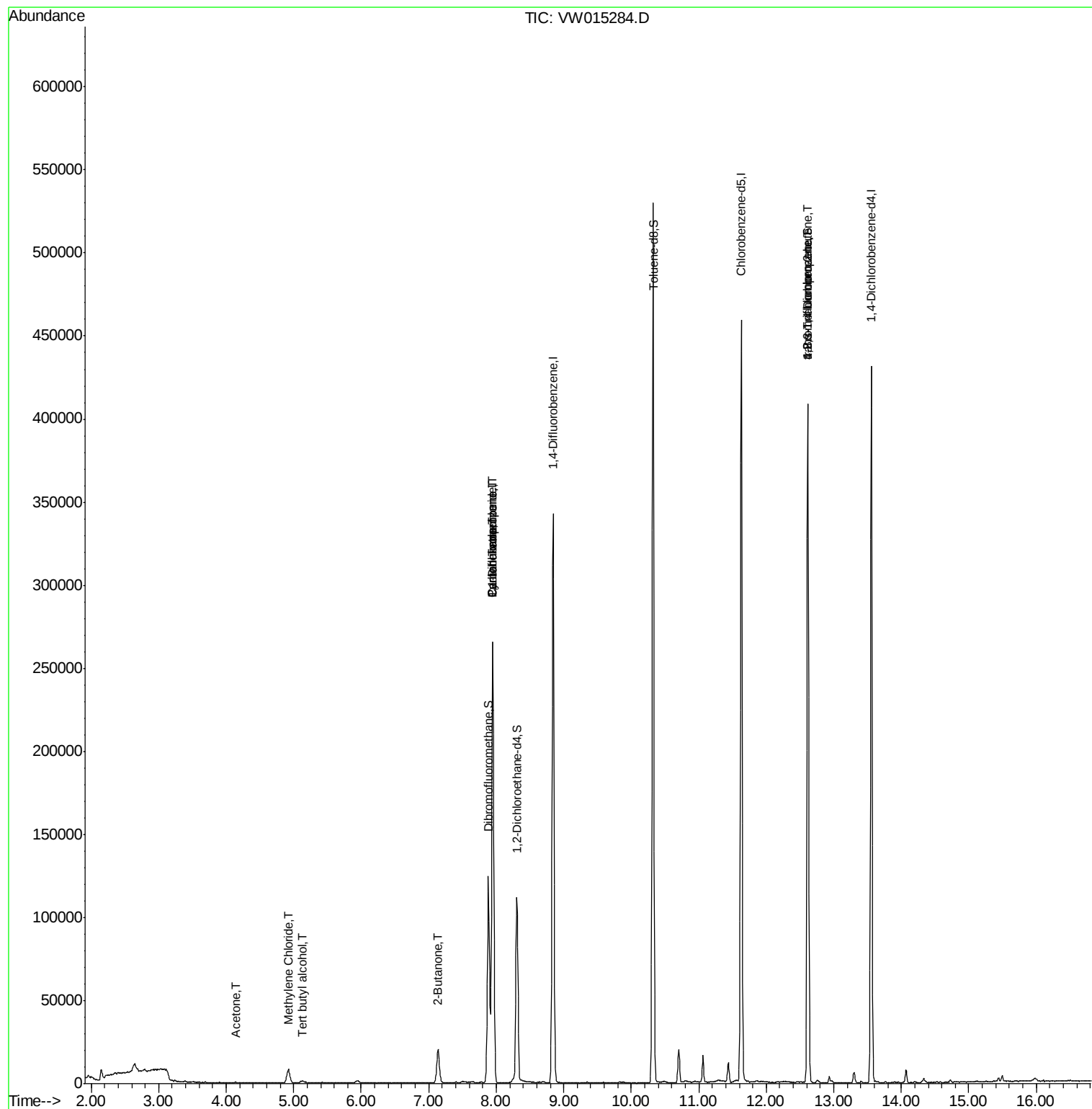
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	303663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	121136	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	87605	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.88	113	87227	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.32	98	362515	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	121615	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	1399	9.454	ug/l #	80
16) Acetone	4.15	43	878	2.769	ug/l #	41
20) Methylene Chloride	4.92	84	6717	3.232	ug/l	91
25) 2-Butanone	7.15	43	907	2.156	ug/l #	48
31) Cyclohexane	7.95	56	4062	1.210	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	14231	5.192	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19066	6.366	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	61240	65.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61240	142.854	ug/l #	15

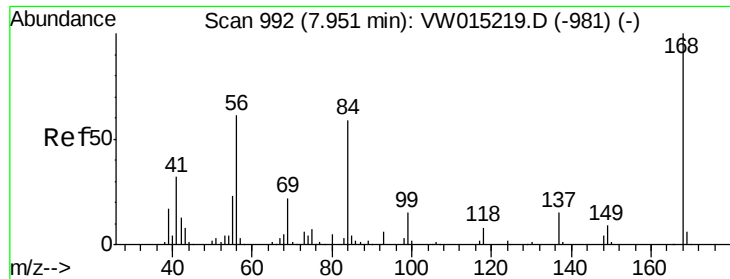
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
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# 991

Delta R.T. -0.01 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

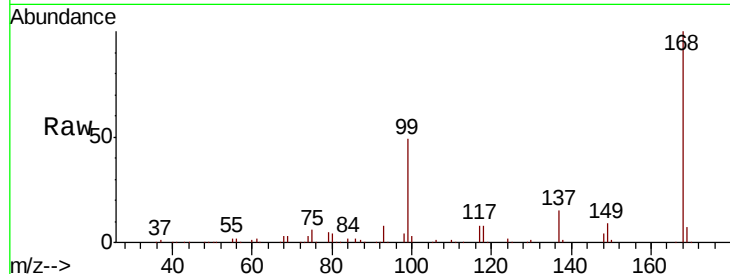
ClientSampleId :

Tot Ion:168 Resp: 222000

Ion Ratio Lower Upper

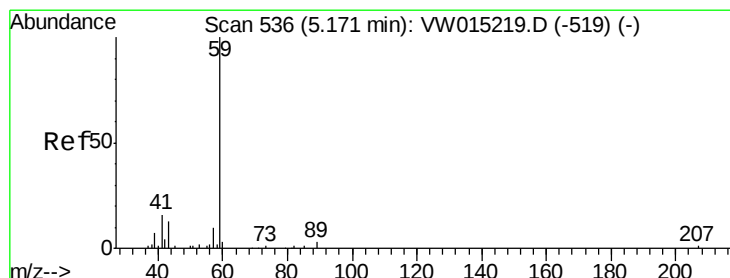
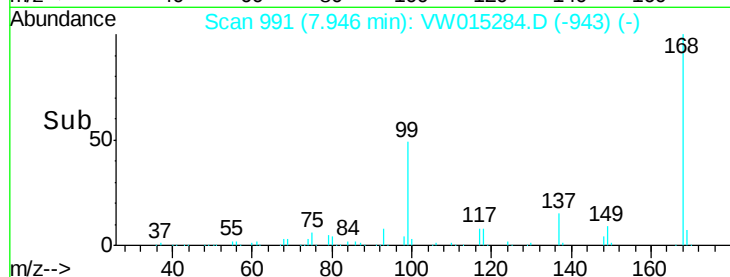
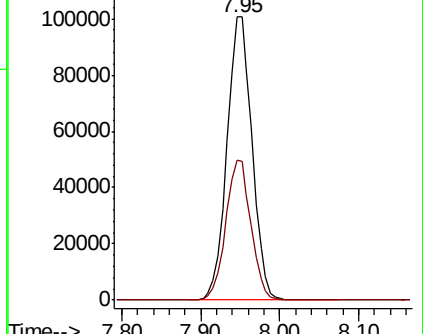
168 100

99 49.3 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: 9.454 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW015284.D

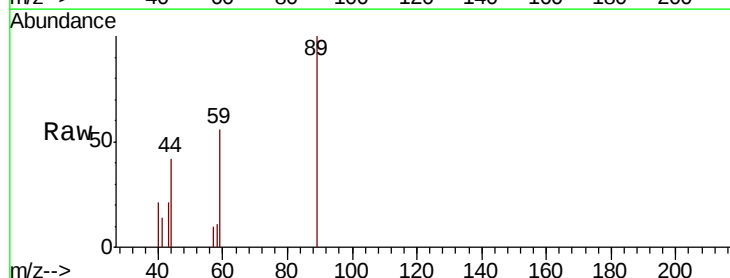
Acq: 22 Apr 2020 01:29

Tgt Ion: 59 Resp: 1399

Ion Ratio Lower Upper

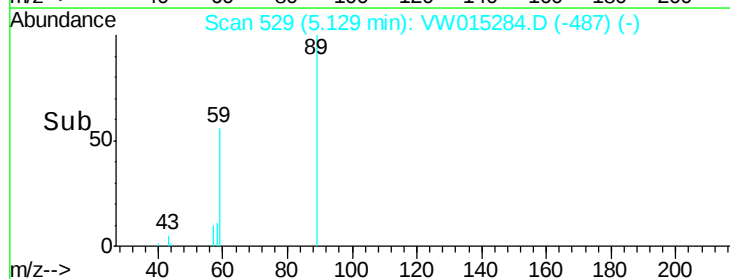
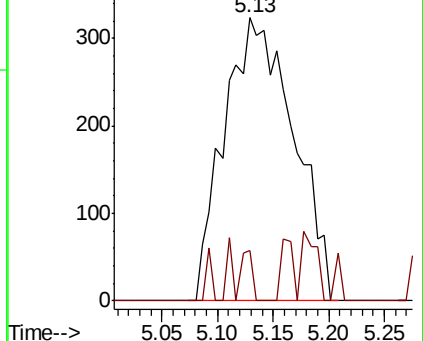
59 100

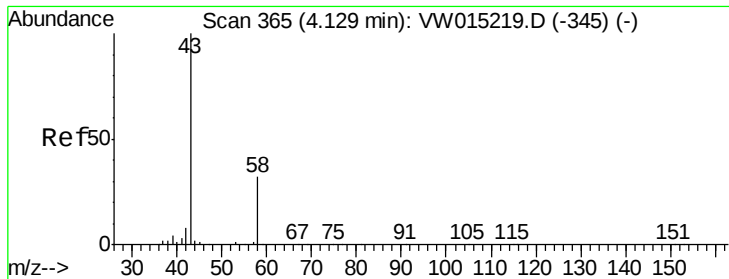
57 2.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.769 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

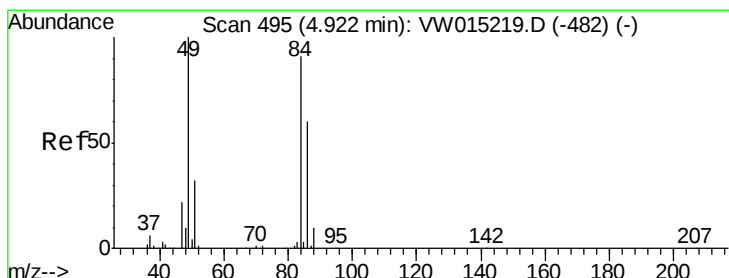
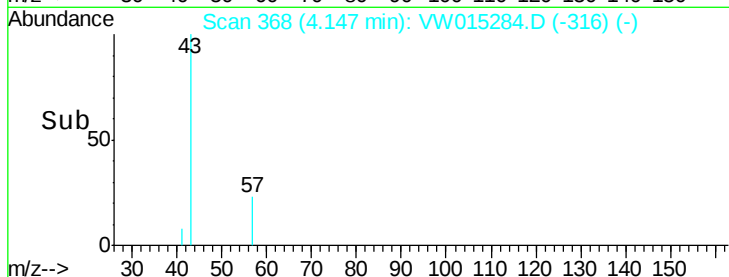
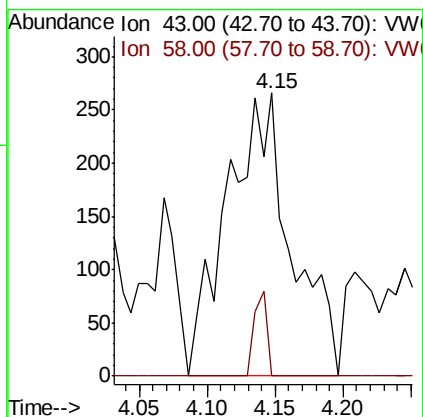
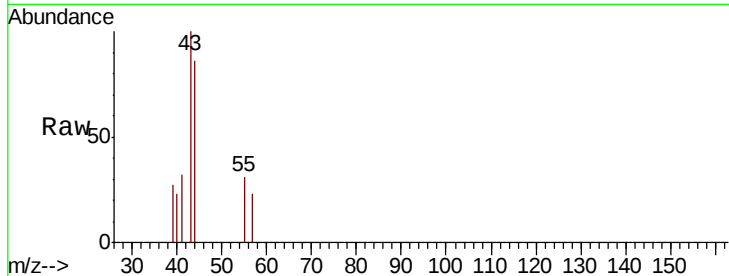
ClientSampled :

Tot Ion: 43 Resp: 878

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#20

Methylene Chloride

Concen: 3.232 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Tgt Ion: 84 Resp: 6717

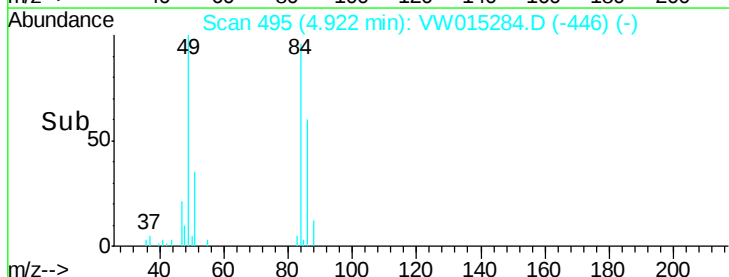
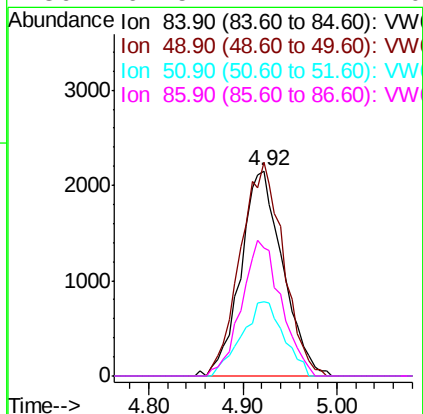
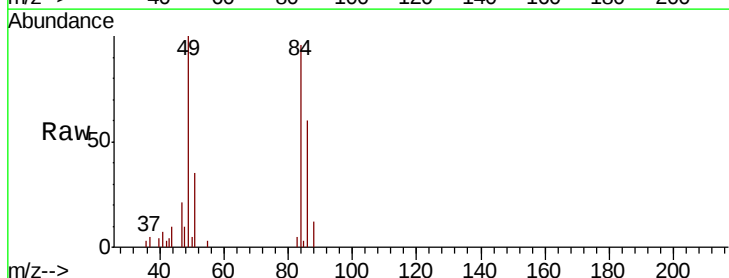
Ion Ratio Lower Upper

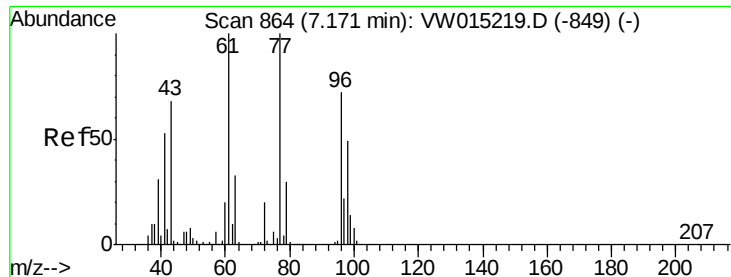
84 100

49 103.9 95.4 143.0

51 36.1 29.8 44.8

86 62.5 47.4 71.0





#25

2-Butanone

Concen: 2.156 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

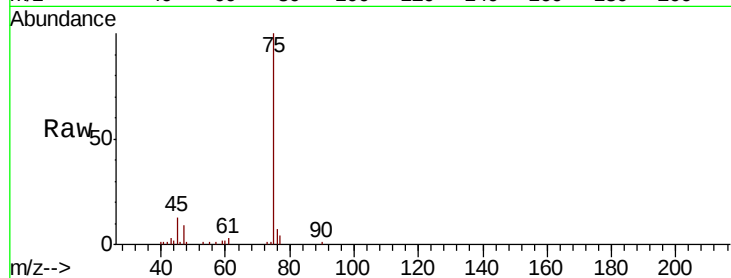
ClientSampled :

Tot Ion: 43 Resp: 907

Ion Ratio Lower Upper

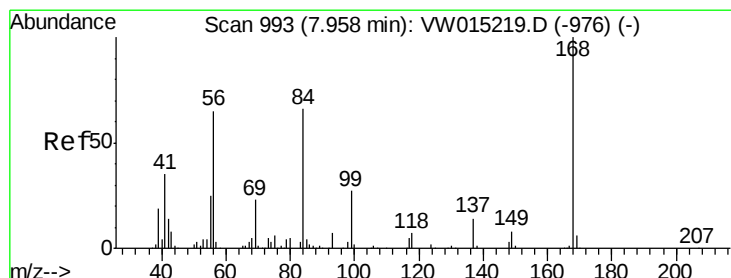
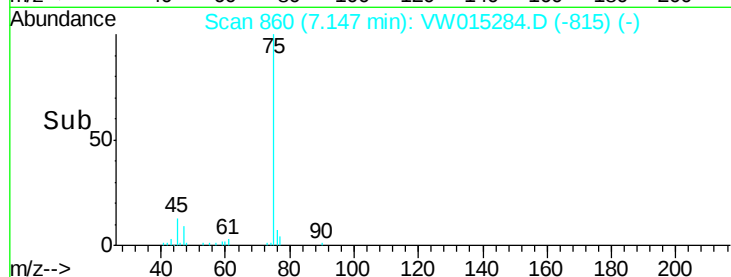
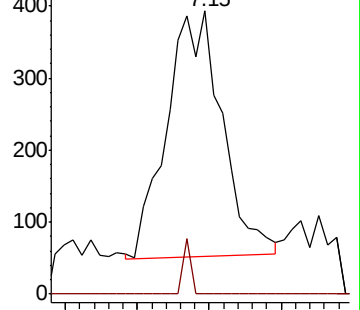
43 100

72 0.0 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

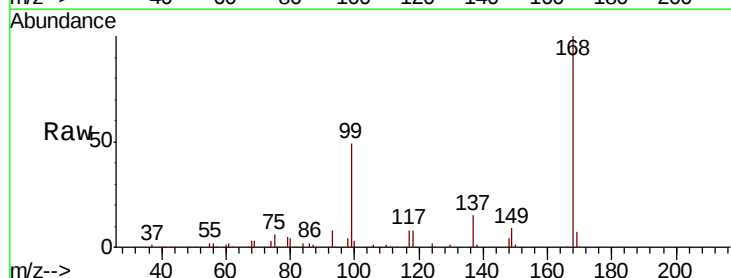
Tgt Ion: 56 Resp: 4062

Ion Ratio Lower Upper

56 100

69 156.0 27.1 40.7#

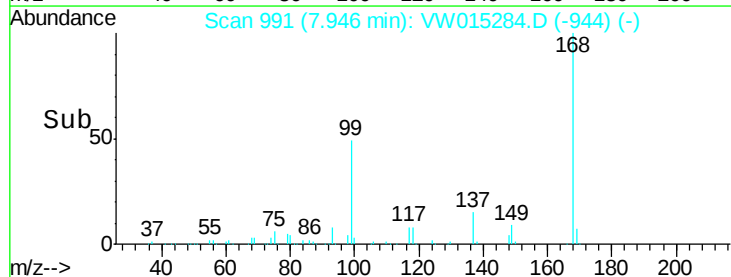
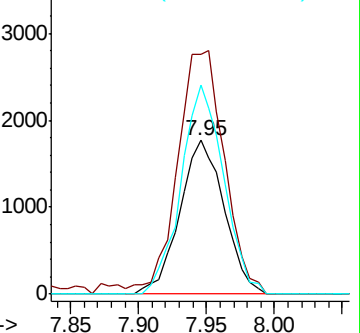
84 135.8 71.9 107.9#

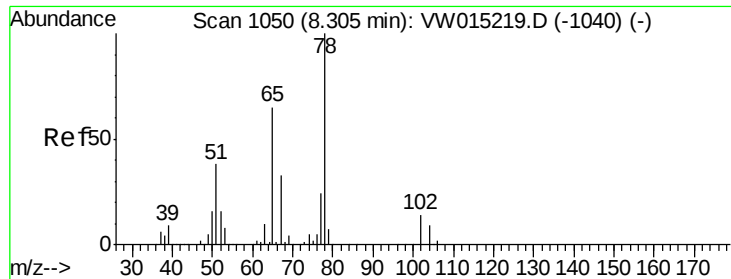


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

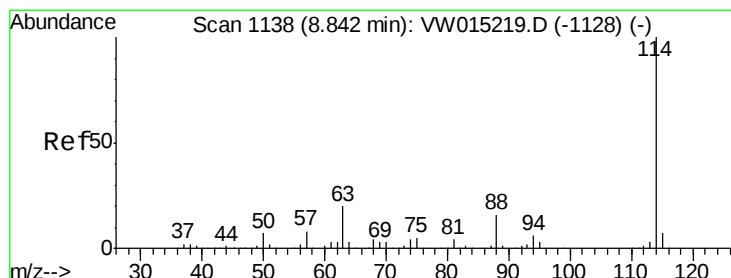
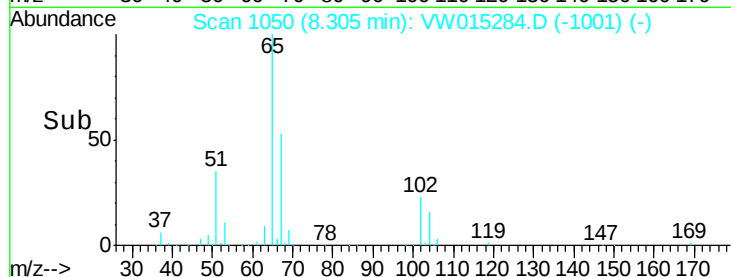
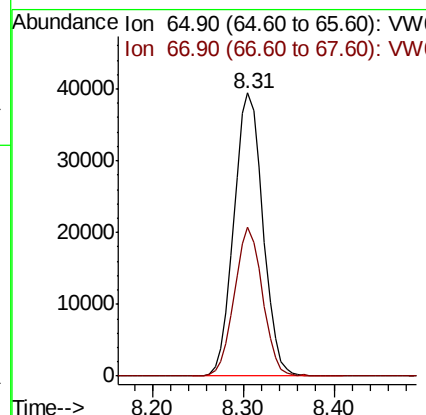
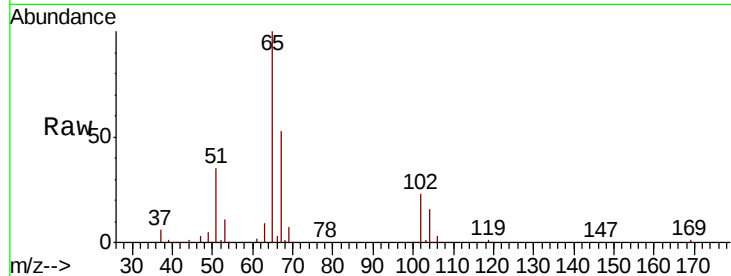




#33
 1,2-Dichloroethane-d4
 Concen: 48.257 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015284.D
 Acq: 22 Apr 2020 01:29

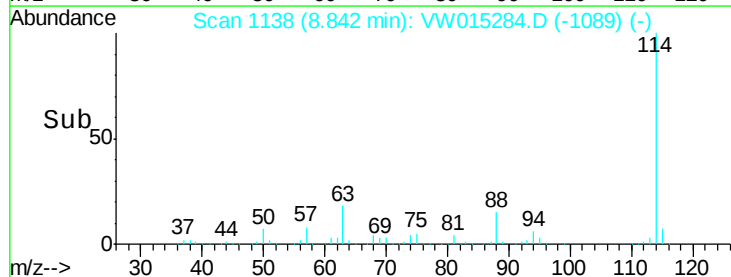
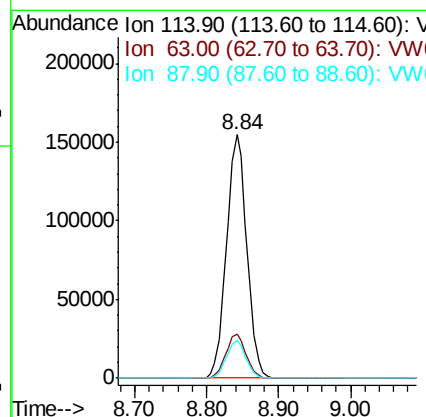
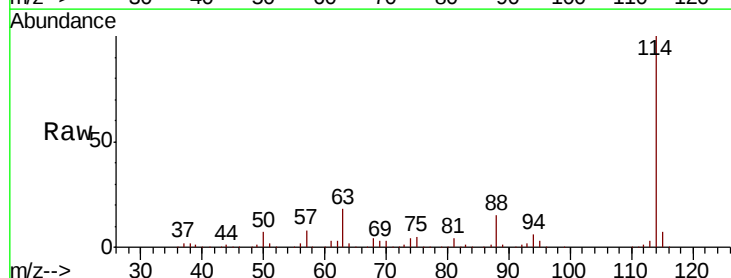
Instrument :
 MSVOA_W
 ClientSampleId :

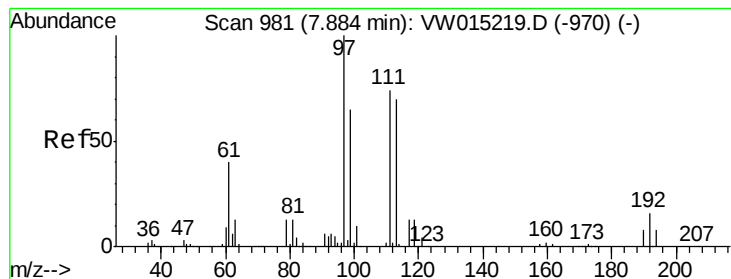
Tot Ion: 65 Resp: 87605
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015284.D
 Acq: 22 Apr 2020 01:29

Tgt Ion: 114 Resp: 303663
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.8
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.858 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

ClientSampleId :

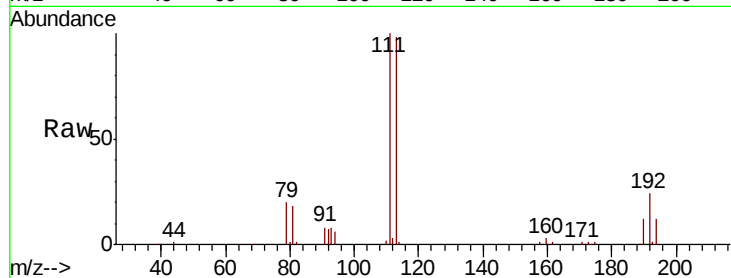
Tot Ion:113 Resp: 87227

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

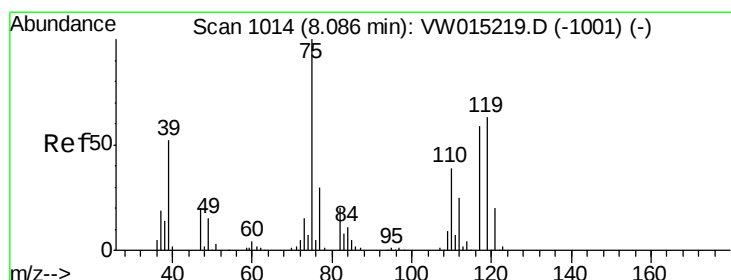
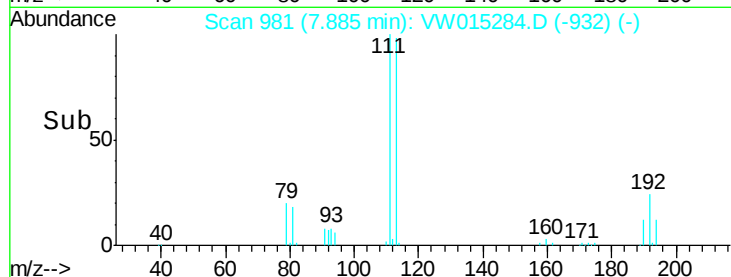
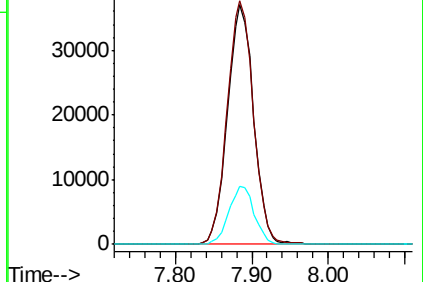
192 23.5 15.1 22.7#



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: 5.192 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

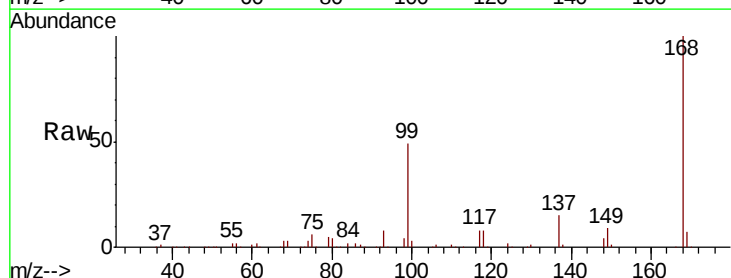
Tgt Ion: 75 Resp: 14231

Ion Ratio Lower Upper

75 100

110 9.2 18.2 54.6#

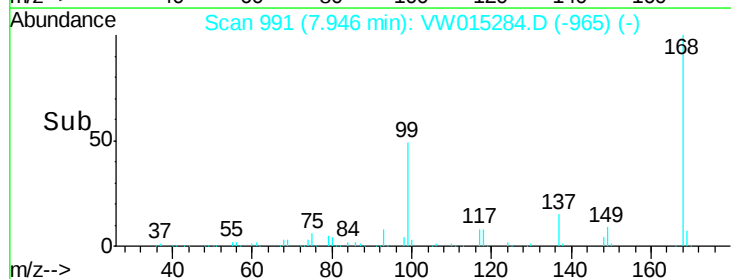
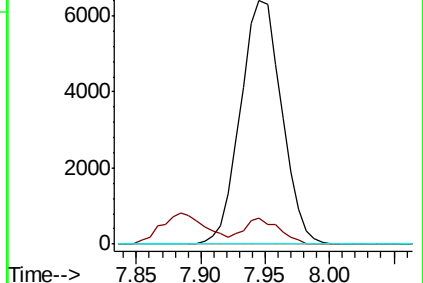
77 0.0 24.5 36.7#

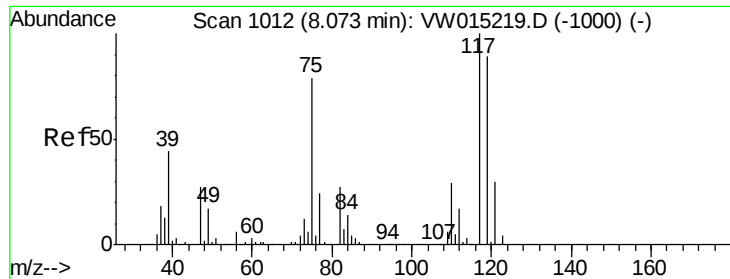


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

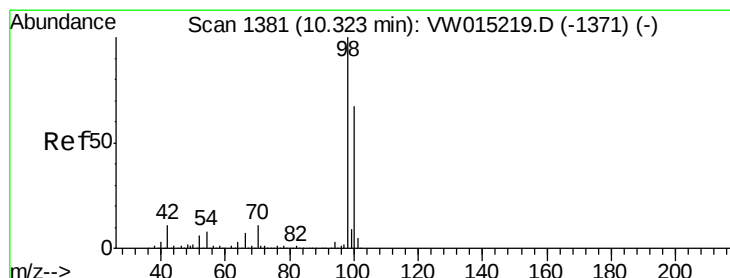
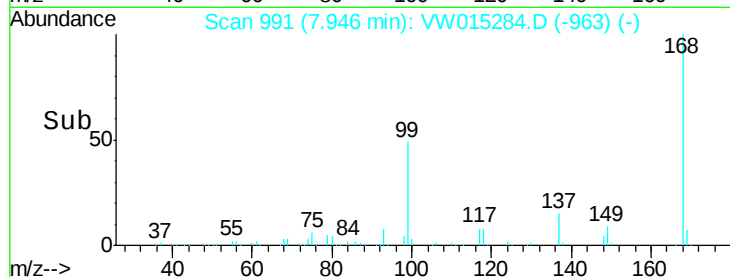
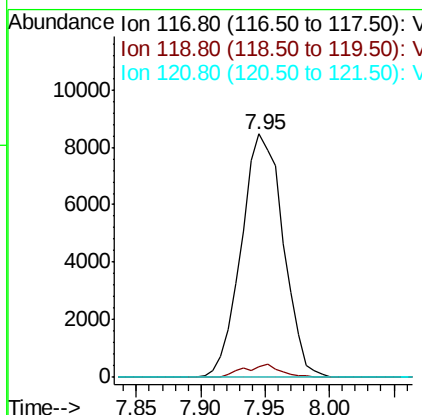
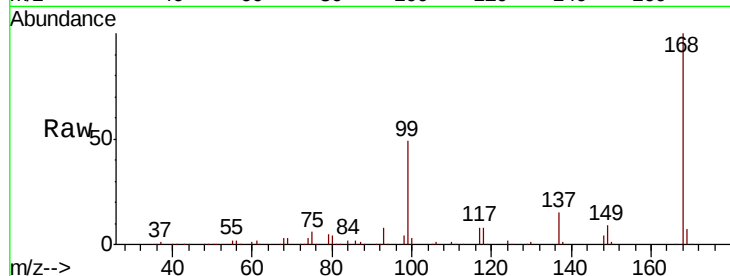




#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW015284.D
Acq: 22 Apr 2020 01:29

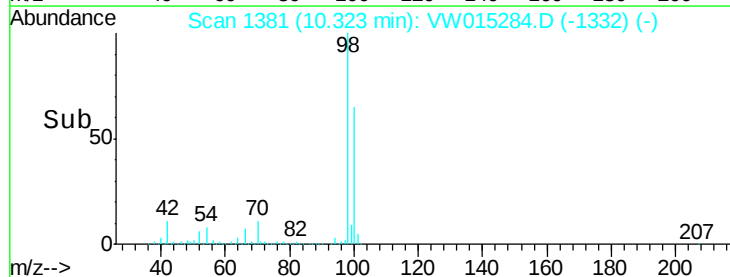
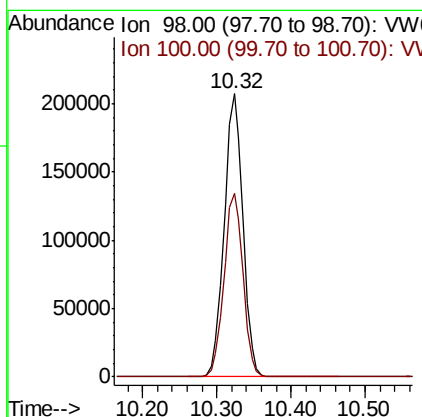
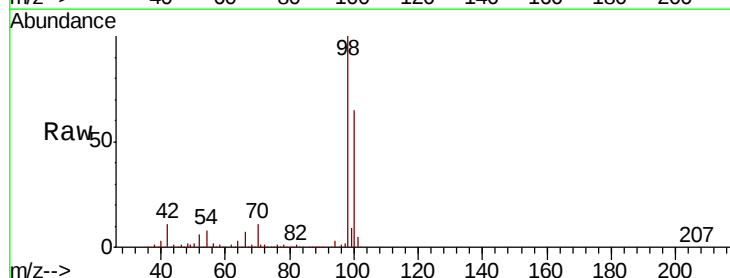
Instrument :
MSVOA_W
ClientSampled :

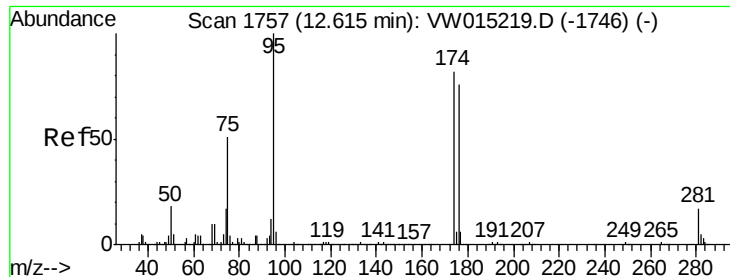
Tot Ion:117 Resp: 19066
Ion Ratio Lower Upper
117 100
119 4.6 72.3 108.5#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 51.233 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015284.D
Acq: 22 Apr 2020 01:29

Tgt Ion: 98 Resp: 362515
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 45.046 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

ClientSampled :

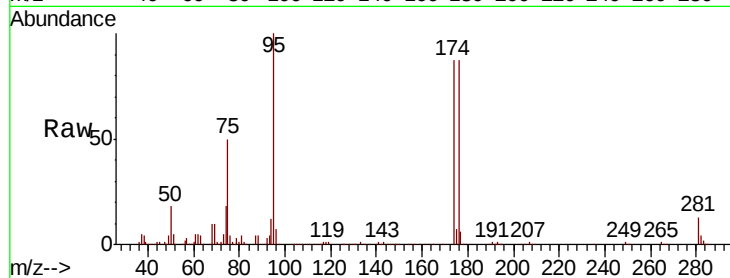
Tot Ion: 95 Resp: 121615

Ion Ratio Lower Upper

95 100

174 91.8 0.0 144.4

176 90.4 0.0 140.6

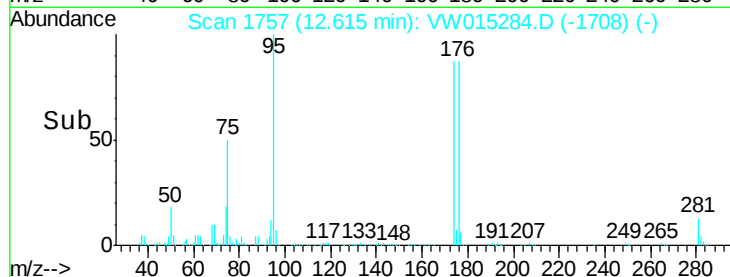


Abundance Ion 94.90 (94.60 to 95.60): VW

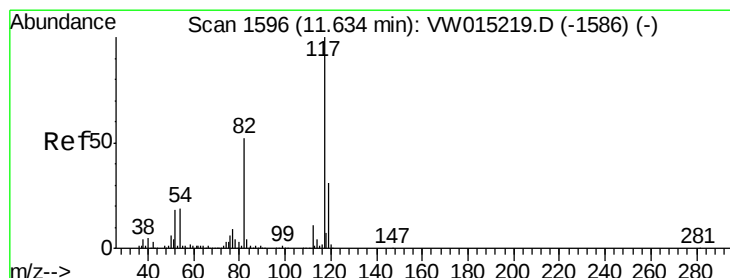
Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62



Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

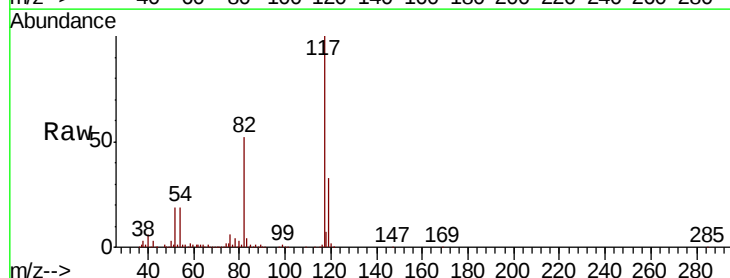
Tgt Ion: 117 Resp: 273274

Ion Ratio Lower Upper

117 100

82 52.4 44.1 66.1

119 33.2 24.9 37.3

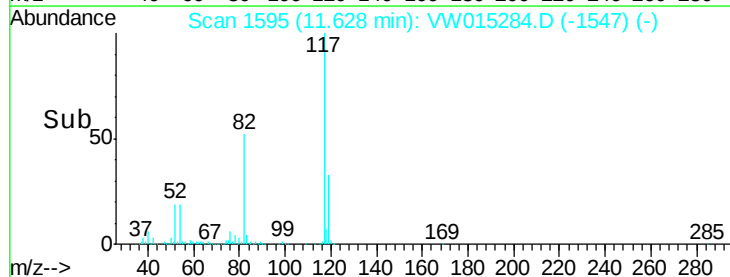


Abundance Ion 116.90 (116.60 to 117.60): VW

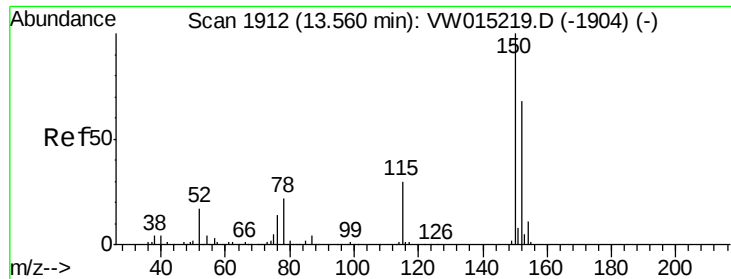
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63



Time--> 11.50 11.60 11.70

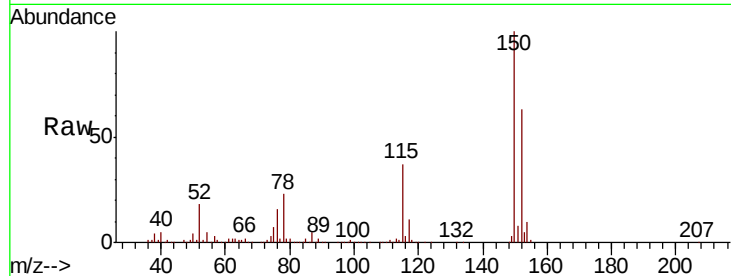


#72

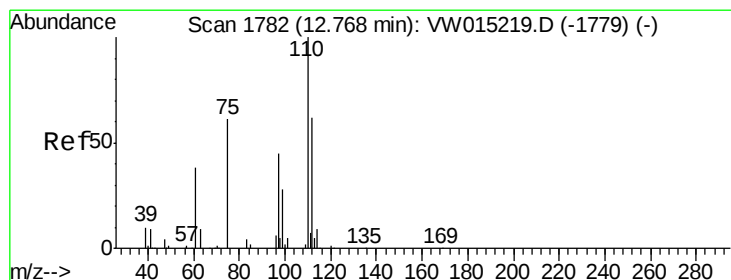
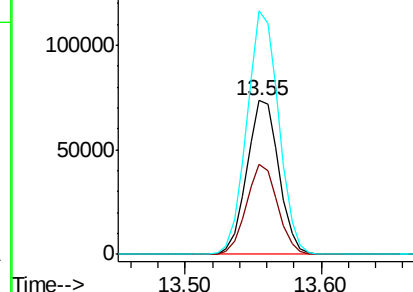
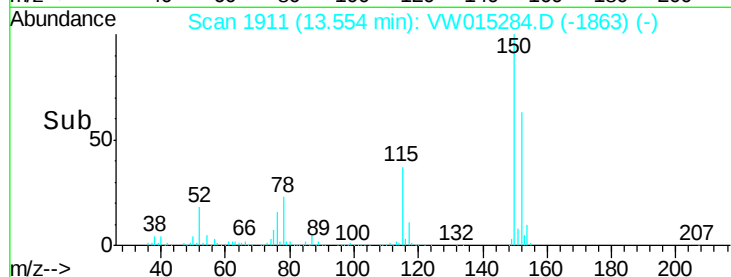
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015284.D
Acq: 22 Apr 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	31.3	93.9
150	157.3	0.0	343.4



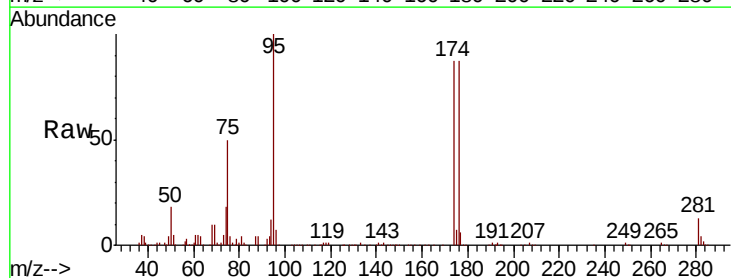
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



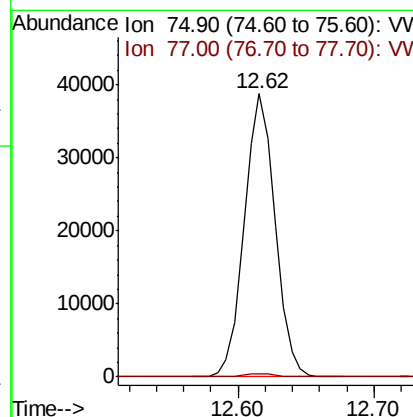
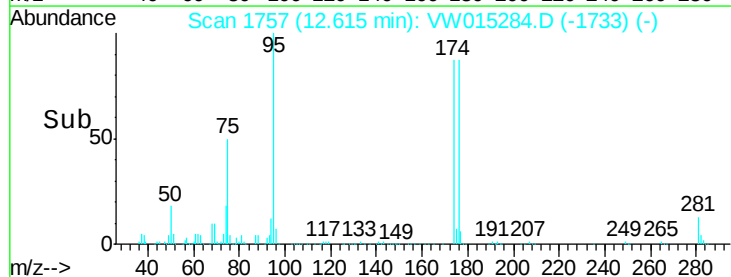
#76

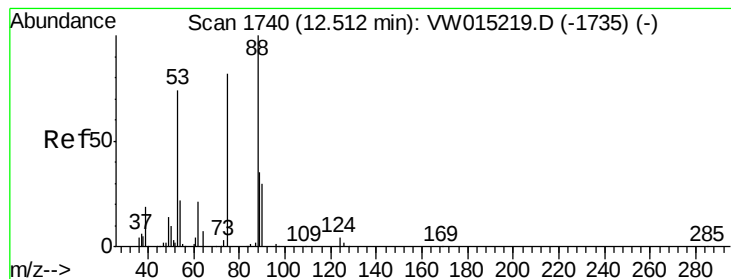
1,2,3-Trichloropropane
Concen: 65.349 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015284.D
Acq: 22 Apr 2020 01:29

Tgt 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: 142.854 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015284.D

Acq: 22 Apr 2020 01:29

Instrument :

MSVOA_W

ClientSampleId :

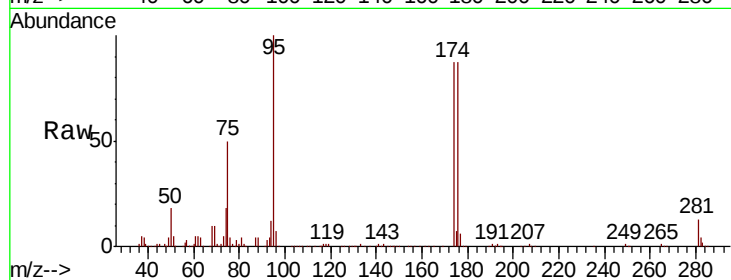
Tot Ion: 75 Resp: 61240

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



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

