

Data File : VW015305.D
Acq On : 22 Apr 2020 14:00
Operator : SY/VA
Sample : L2314-03RE
Misc : 5.44G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WB-3-1

Quant Time: Apr 23 07:02:02 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	205366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	112827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	83938	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.88	113	83107	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.32	98	344640	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	114066	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	

Target Compounds

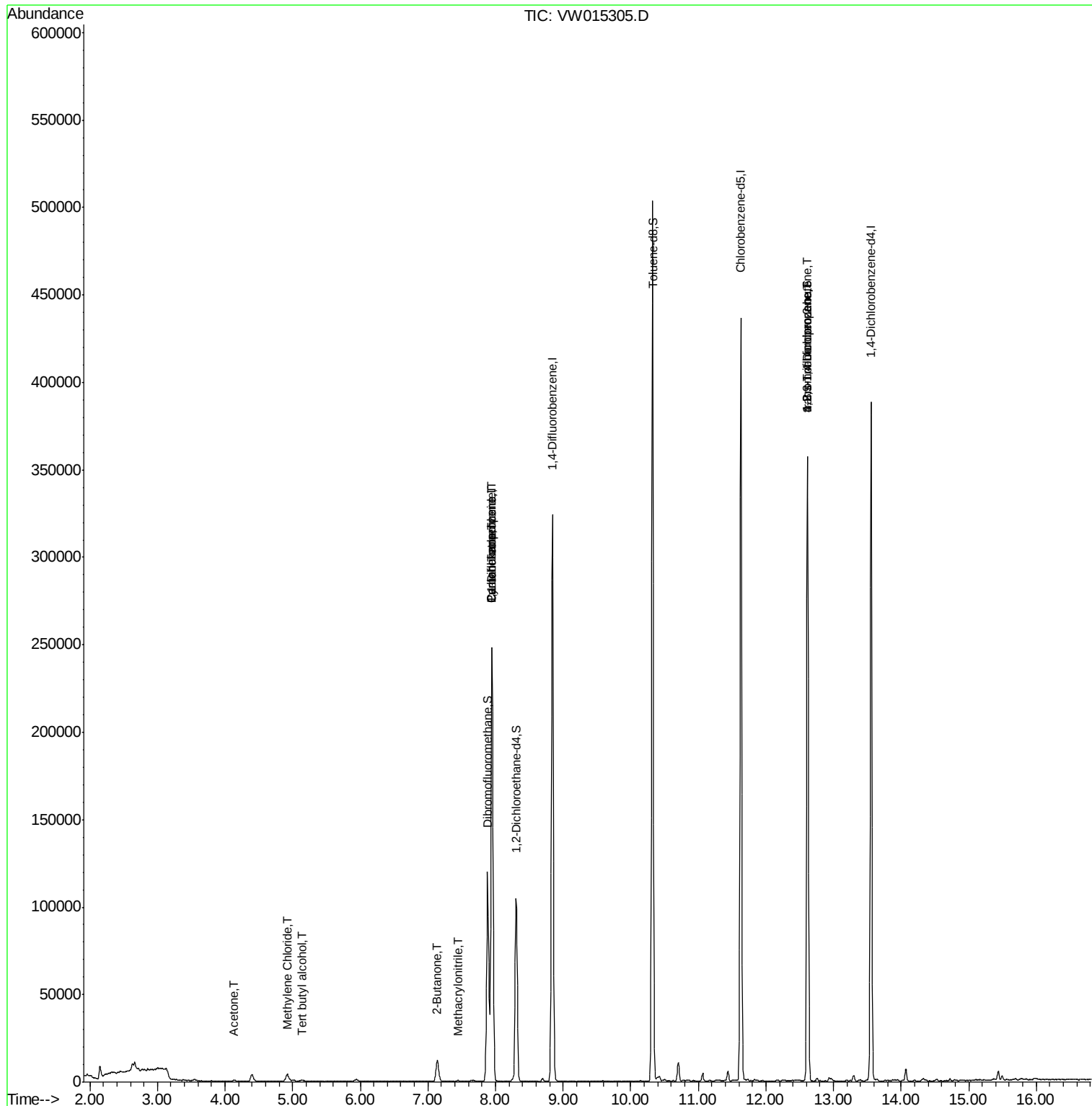
						Qvalue
11) Tert butyl alcohol	5.13	59	936	6.837	ug/l #	83
16) Acetone	4.14	43	1477	5.035	ug/l	92
20) Methylene Chloride	4.93	84	3380	1.758	ug/l	86
25) 2-Butanone	7.14	43	942	2.421	ug/l #	48
31) Cyclohexane	7.95	56	3710	1.195	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	13074	4.946	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18446	6.385	ug/l #	18
41) Methacrylonitrile	7.46	41	568	1.103	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	56047	64.212	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56047	140.369	ug/l #	15

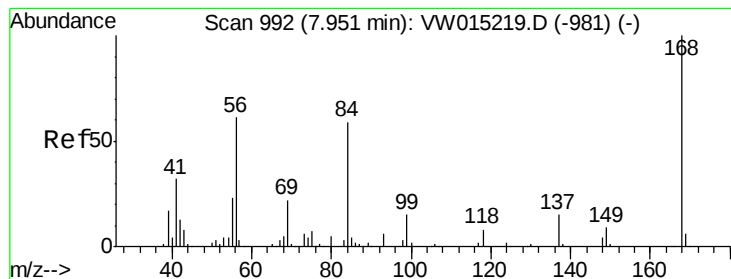
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015305.D

Acq: 22 Apr 2020 14:00

Instrument :

MSVOA_W

ClientSampleId :

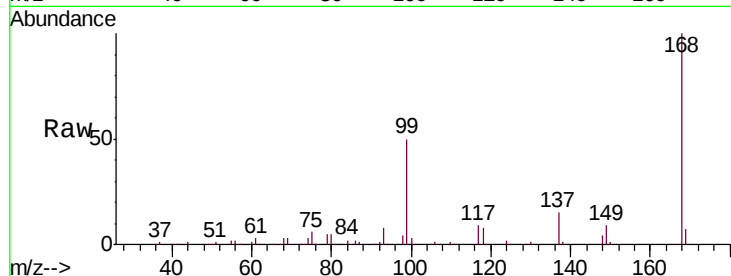
WB-3-1

Tgt Ion: 168 Resp: 205366

Ion Ratio Lower Upper

168 100

99 50.3 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

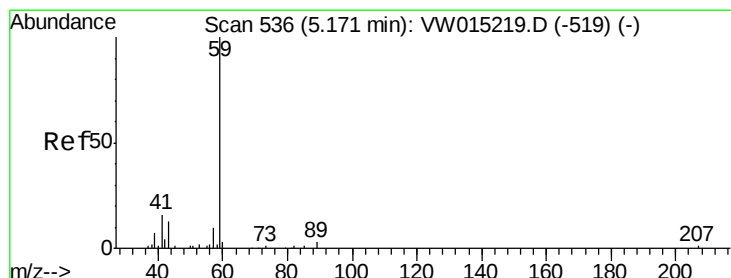
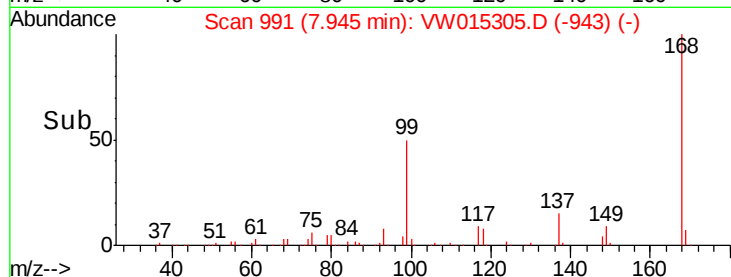
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.837 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015305.D

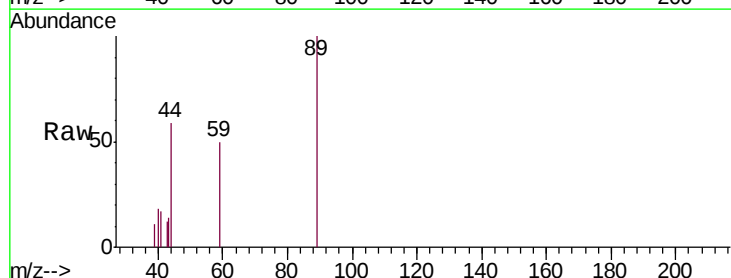
Acq: 22 Apr 2020 14:00

Tgt Ion: 59 Resp: 936

Ion Ratio Lower Upper

59 100

57 4.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

250

200

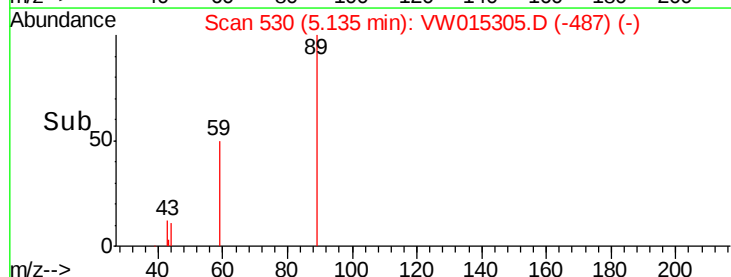
150

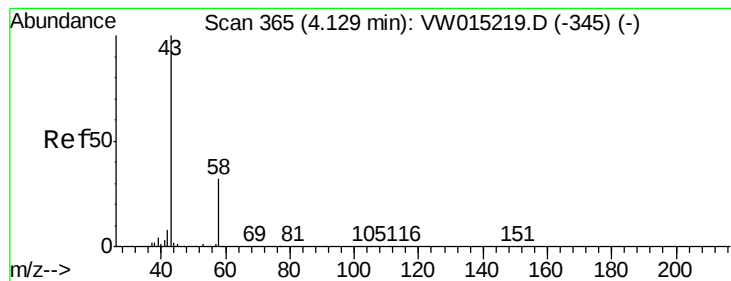
100

50

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 5.035 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

Instrument :

MSVOA_W

ClientSampleId :

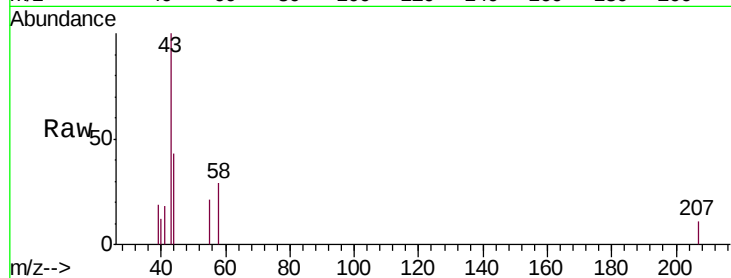
WB-3-1

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

58 28.9 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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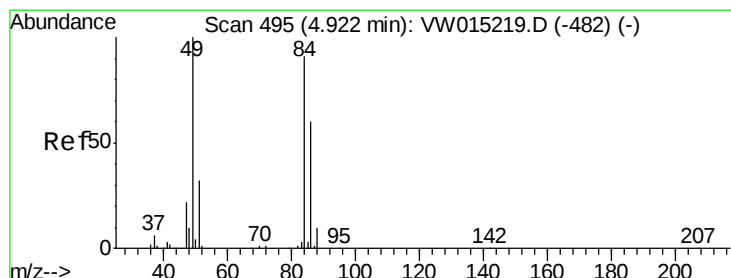
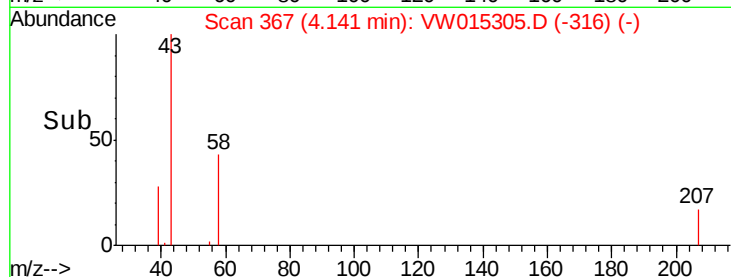
4.14

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4.14

4.14

4.14



#20

Methylene Chloride

Concen: 1.758 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

Tgt Ion: 84 Resp: 3380

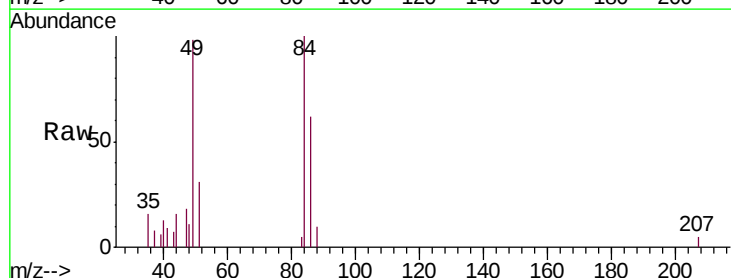
Ion Ratio Lower Upper

84 100

49 97.6 95.4 143.0

51 30.7 29.8 44.8

86 62.1 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

4.93

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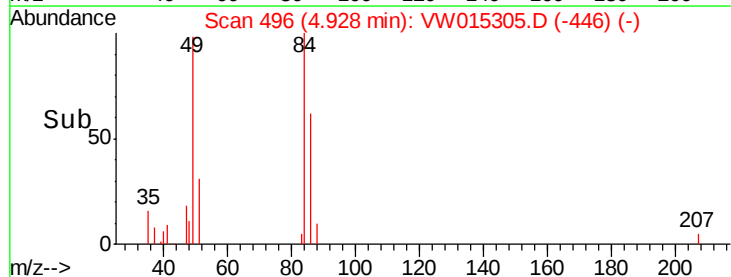
4.93

4.93

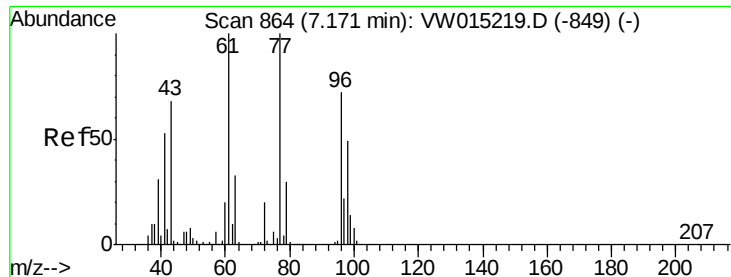
4.93

4.93

4.93



Time-->



#25

2-Butanone

Concen: 2.421 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

Instrument :

MSVOA_W

ClientSampled :

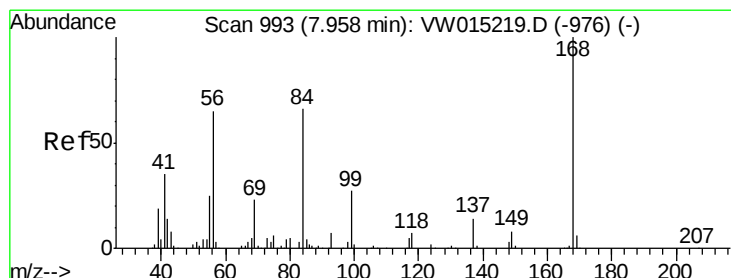
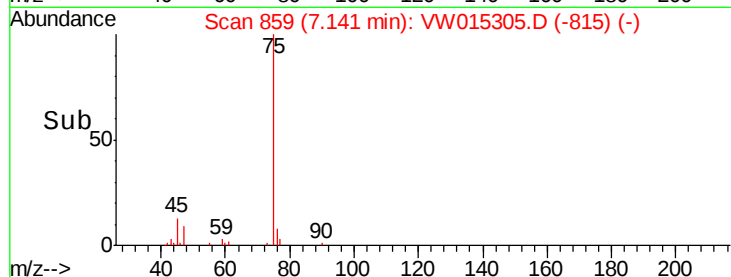
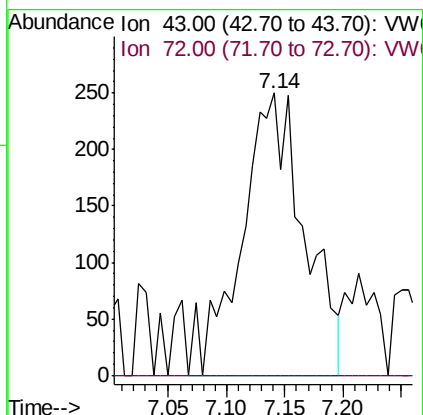
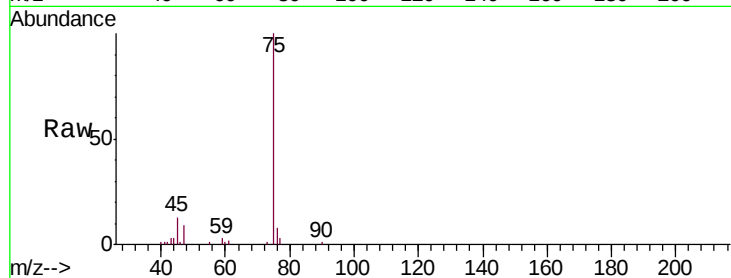
WB-3-1

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

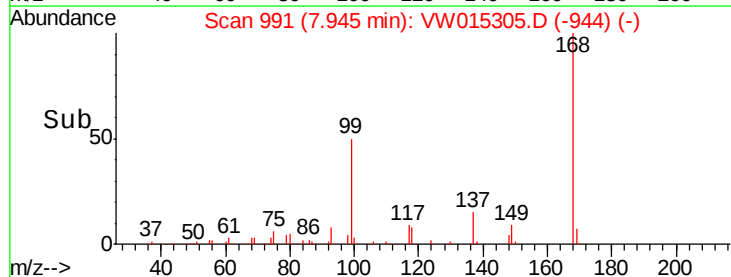
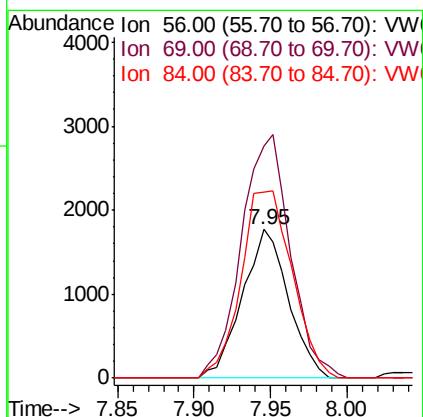
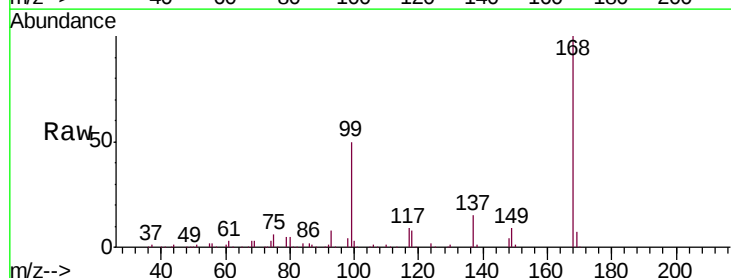
Tgt Ion: 56 Resp: 3710

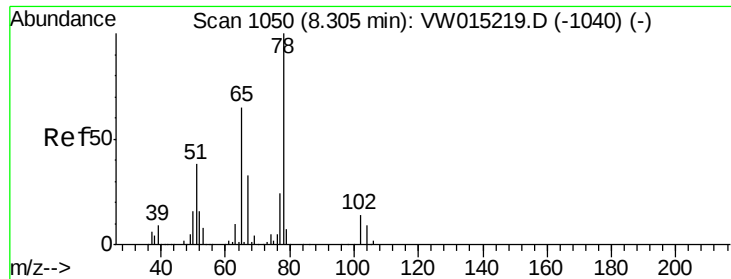
Ion Ratio Lower Upper

56 100

69 156.2 27.1 40.7#

84 124.9 71.9 107.9#

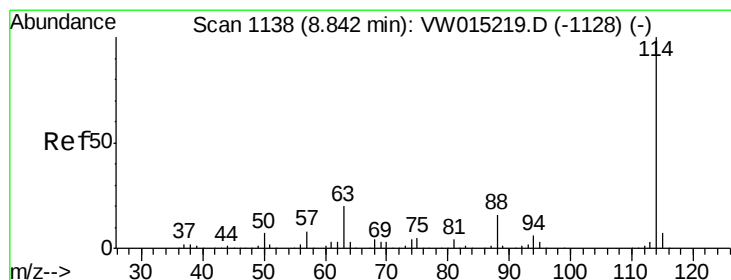
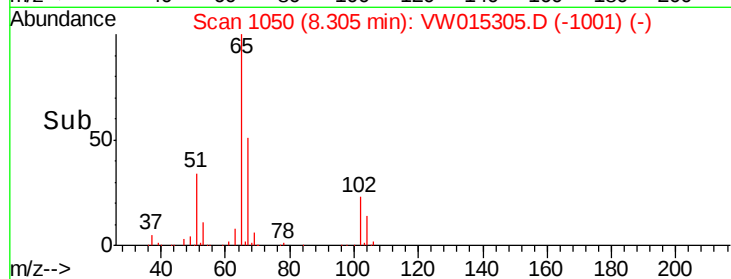
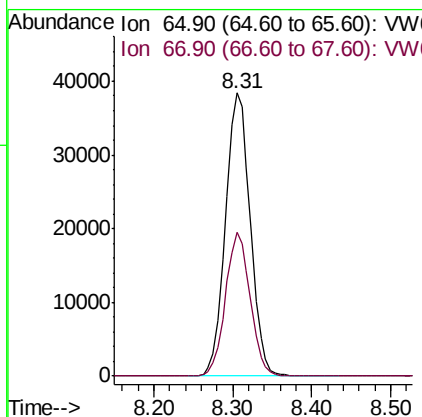
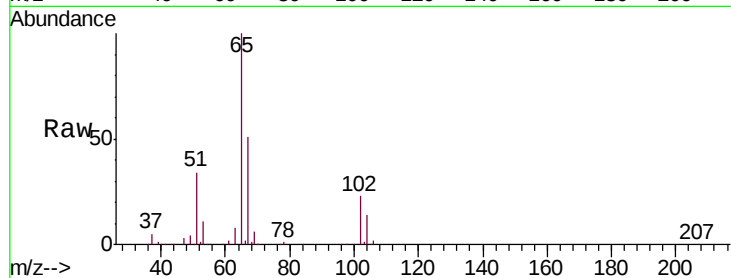




#33
 1,2-Dichloroethane-d4
 Concen: 49.982 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

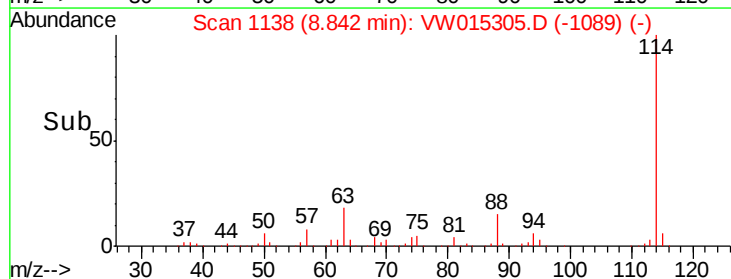
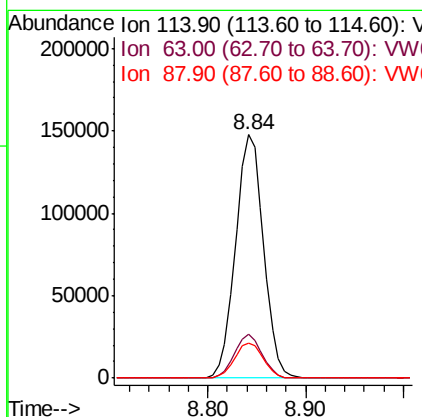
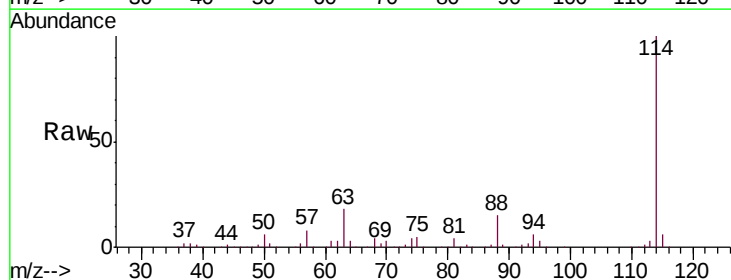
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-3-1

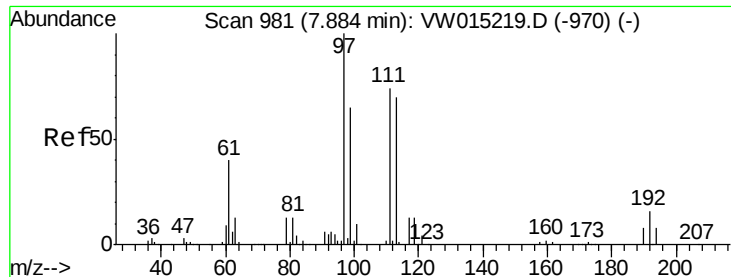
Tgt Ion: 65 Resp: 83938
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

Tgt Ion: 114 Resp: 292890
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.8
 88 14.6 0.0 30.2

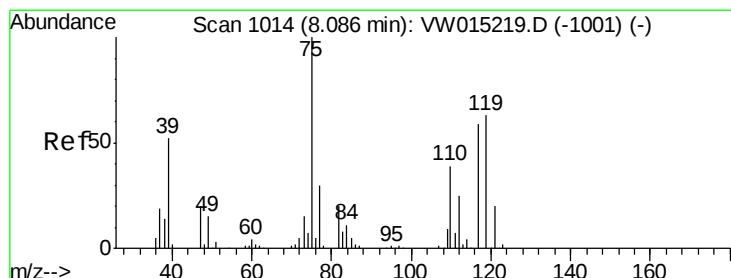
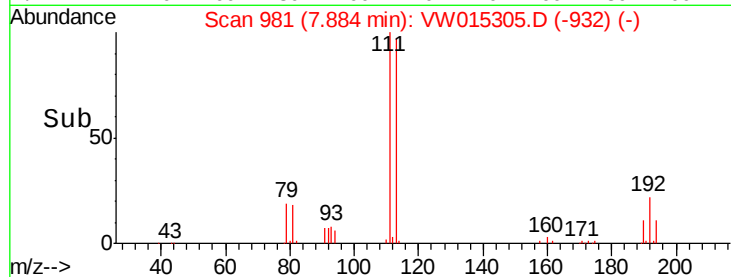
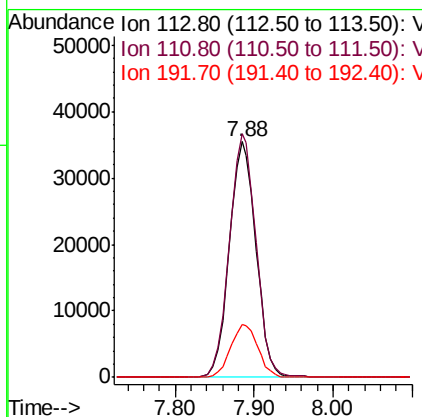
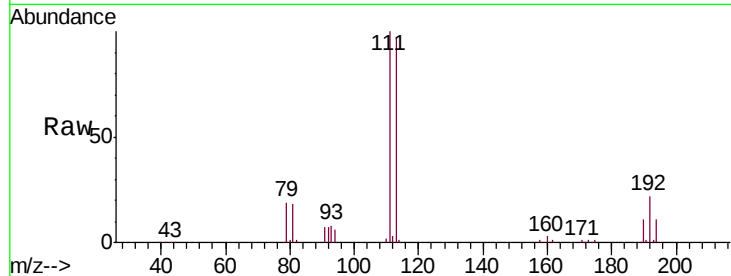




#35
 Dibromofluoromethane
 Concen: 51.226 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

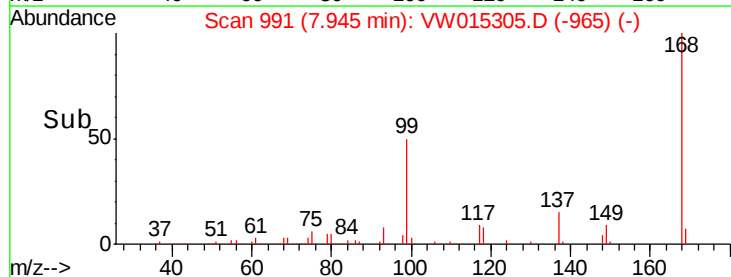
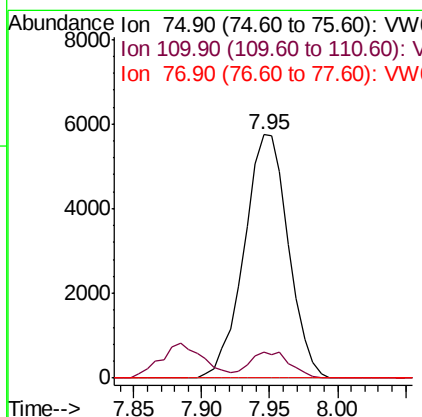
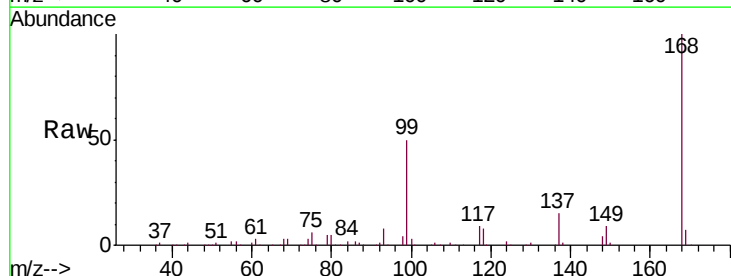
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-3-1

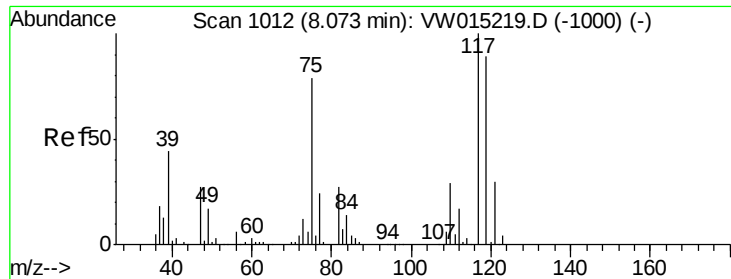
Tgt Ion:113 Resp: 83107
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.4
 192 22.8 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

Tgt Ion: 75 Resp: 13074
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.2 54.6#
 77 0.0 24.5 36.7#

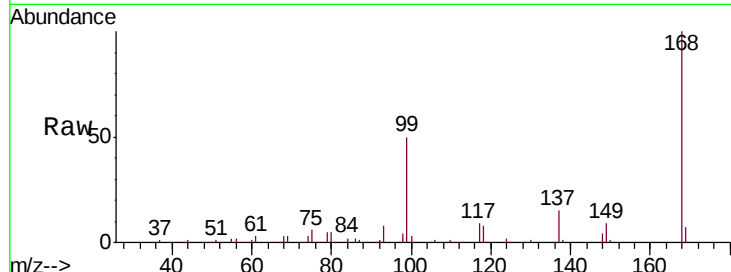




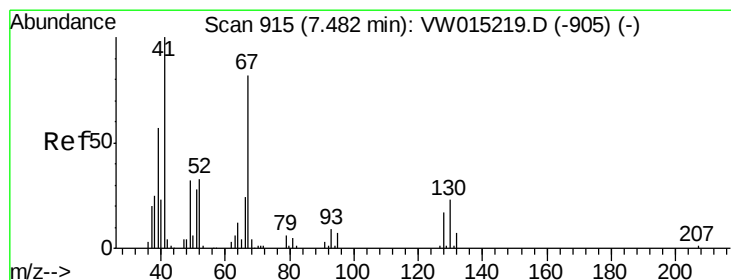
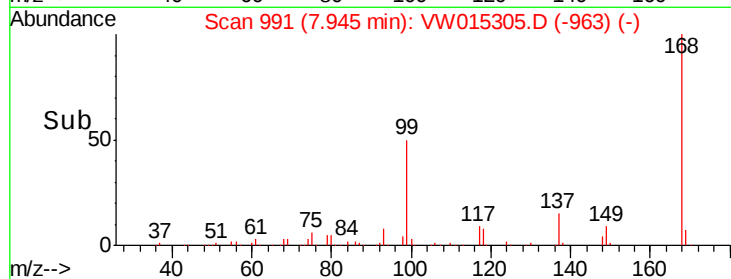
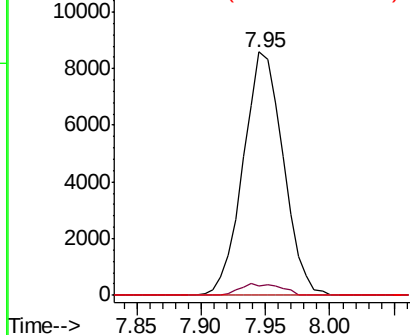
#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW015305.D
Acq: 22 Apr 2020 14:00

Instrument :
MSVOA_W
ClientSampleId :
WB-3-1

Tgt Ion: 117 Resp: 18446
Ion Ratio Lower Upper
117 100
119 4.1 72.3 108.5#
121 0.0 23.7 35.5#

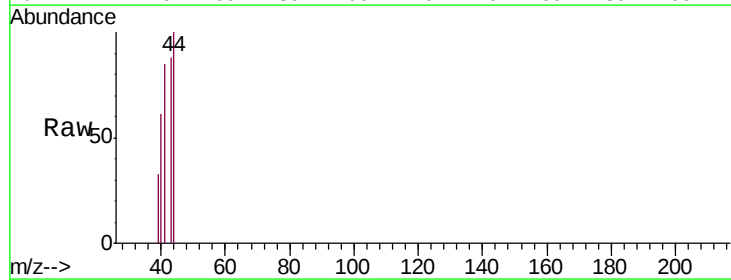


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

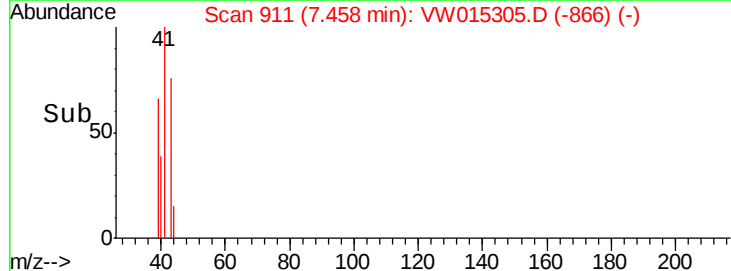
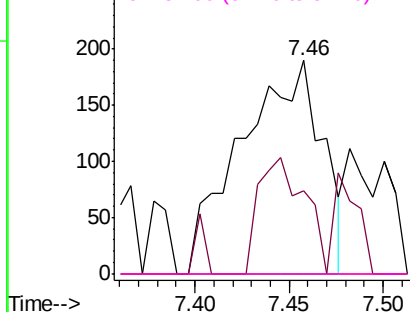


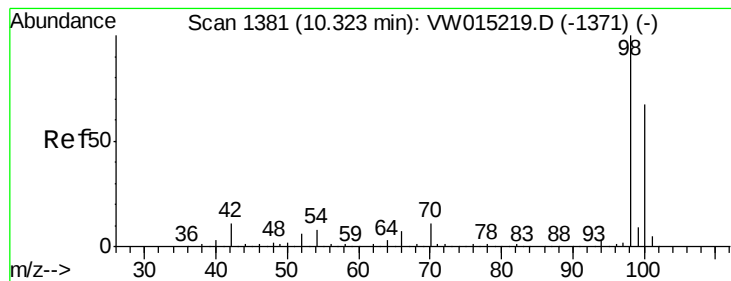
#41
Methacrylonitrile
Concen: 1.103 ug/l
RT: 7.46 min Scan# 911
Delta R.T. -0.02 min
Lab File: VW015305.D
Acq: 22 Apr 2020 14:00

Tgt Ion: 41 Resp: 568
Ion Ratio Lower Upper
41 100
39 31.0 41.9 62.9#
67 0.0 60.6 91.0#
52 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 50.498 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

Instrument :

MSVOA_W

ClientSampleId :

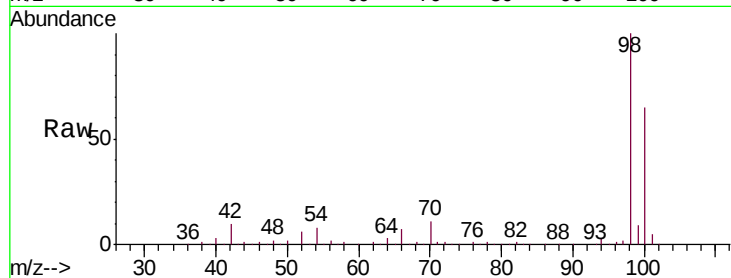
WB-3-1

Tgt Ion: 98 Resp: 344640

Ion Ratio Lower Upper

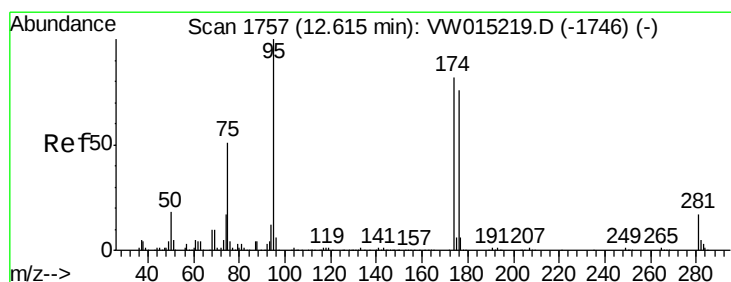
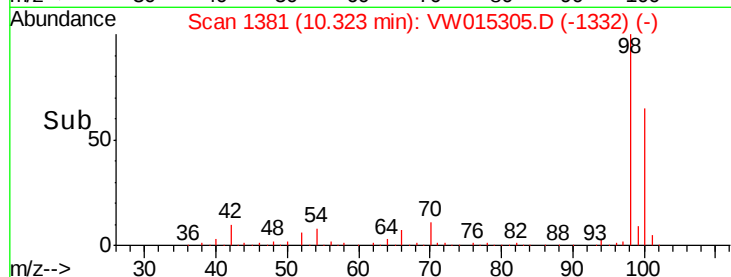
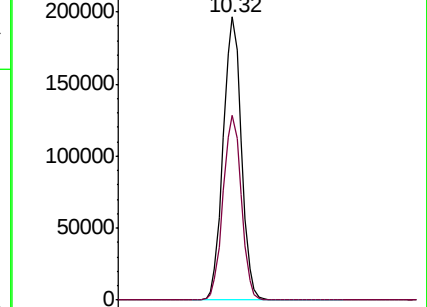
98 100

100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 43.804 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

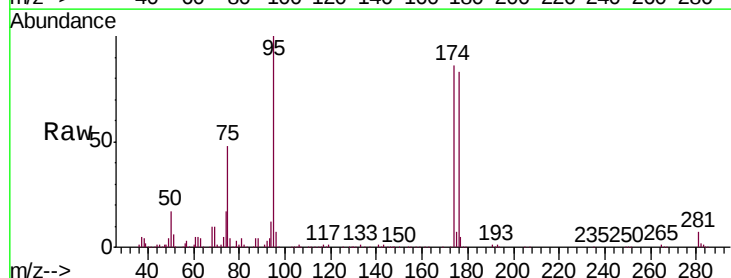
Tgt Ion: 95 Resp: 114066

Ion Ratio Lower Upper

95 100

174 88.3 0.0 144.4

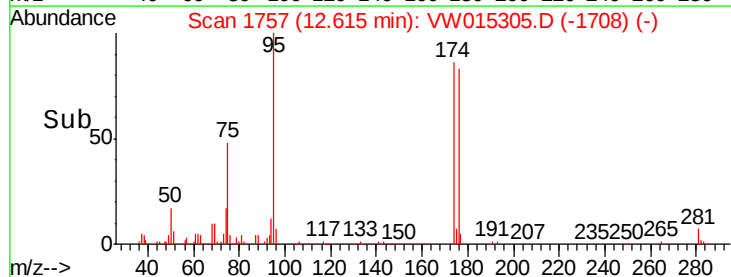
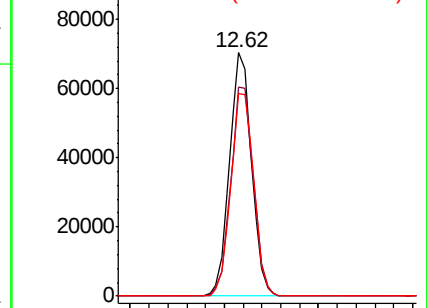
176 86.7 0.0 140.6

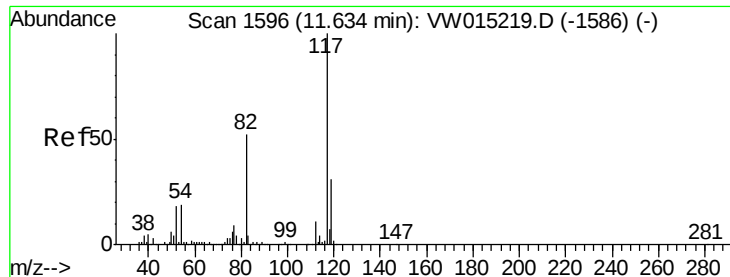


Abundance Ion 94.90 (94.60 to 95.60): VW

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. -0.01 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

Instrument :

MSVOA_W

ClientSampleId :

WB-3-1

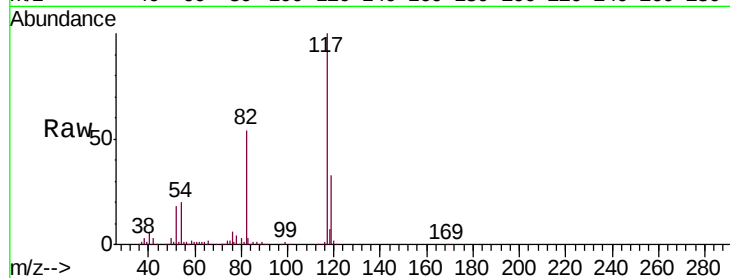
Tgt Ion:117 Resp: 257272

Ion Ratio Lower Upper

117 100

82 53.6 44.1 66.1

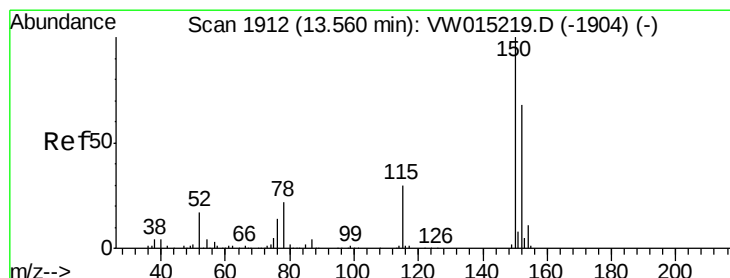
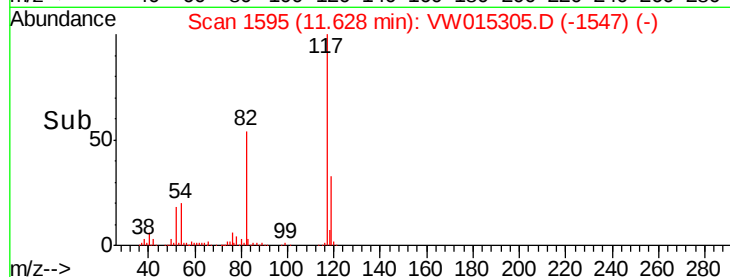
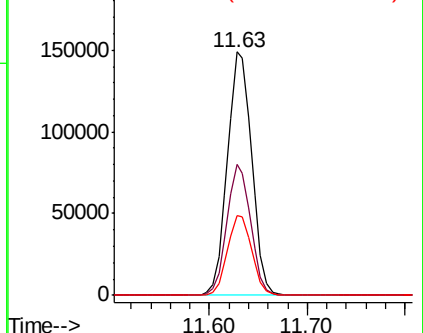
119 32.9 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015305.D

Acq: 22 Apr 2020 14:00

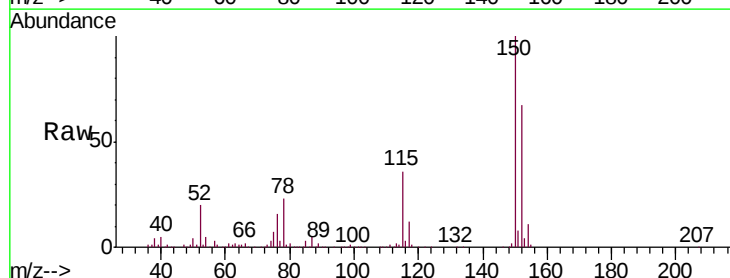
Tgt Ion:152 Resp: 112827

Ion Ratio Lower Upper

152 100

115 55.2 31.3 93.9

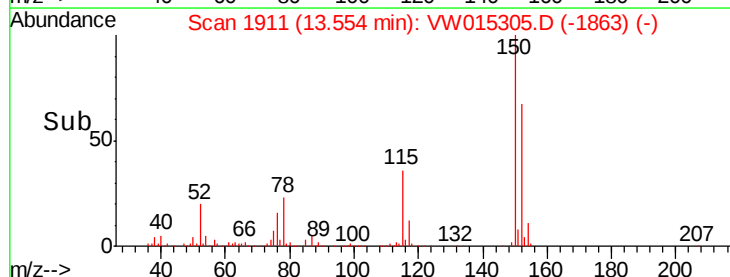
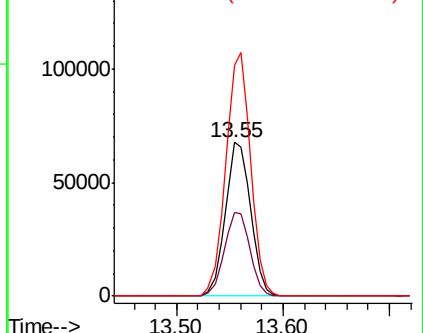
150 154.6 0.0 343.4

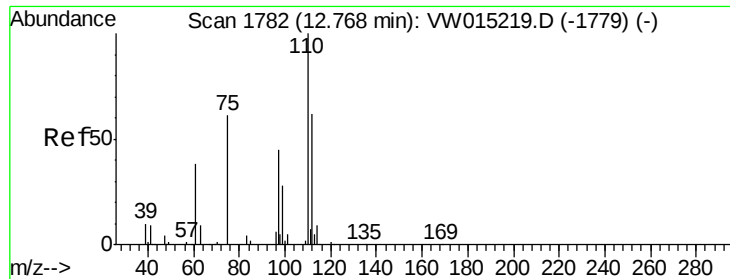


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

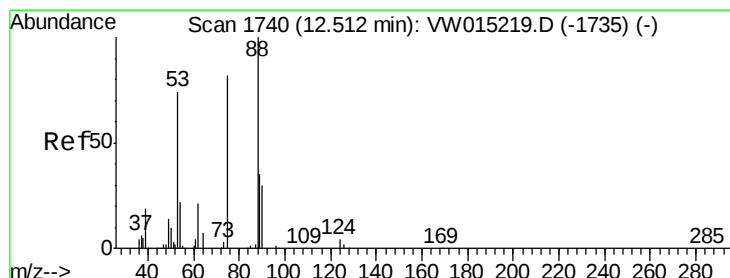
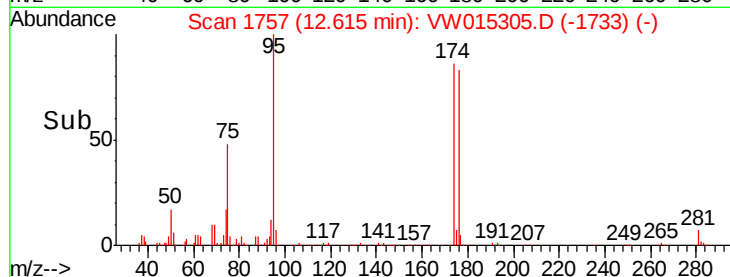
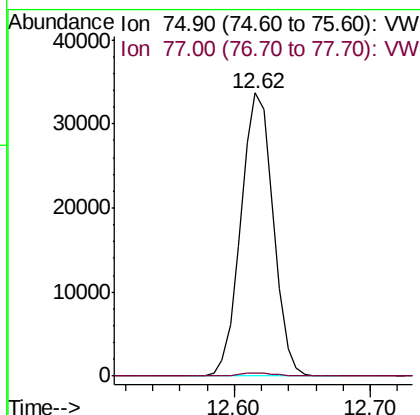
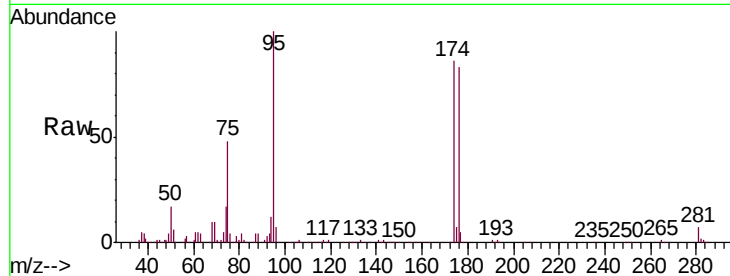




#76
 1,2,3-Trichloropropane
 Concen: 64.212 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-3-1

Tgt Ion: 75 Resp: 56047
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.369 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015305.D
 Acq: 22 Apr 2020 14:00

Tgt Ion: 75 Resp: 56047
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

