

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015330.D
 Acq On : 23 Apr 2020 14:14
 Operator : SY/VA
 Sample : L2383-05
 Misc : 6.83G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 06:36:15 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	204517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	280859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81945	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.88	113	81093	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.32	98	332235	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	109456	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	

Target Compounds

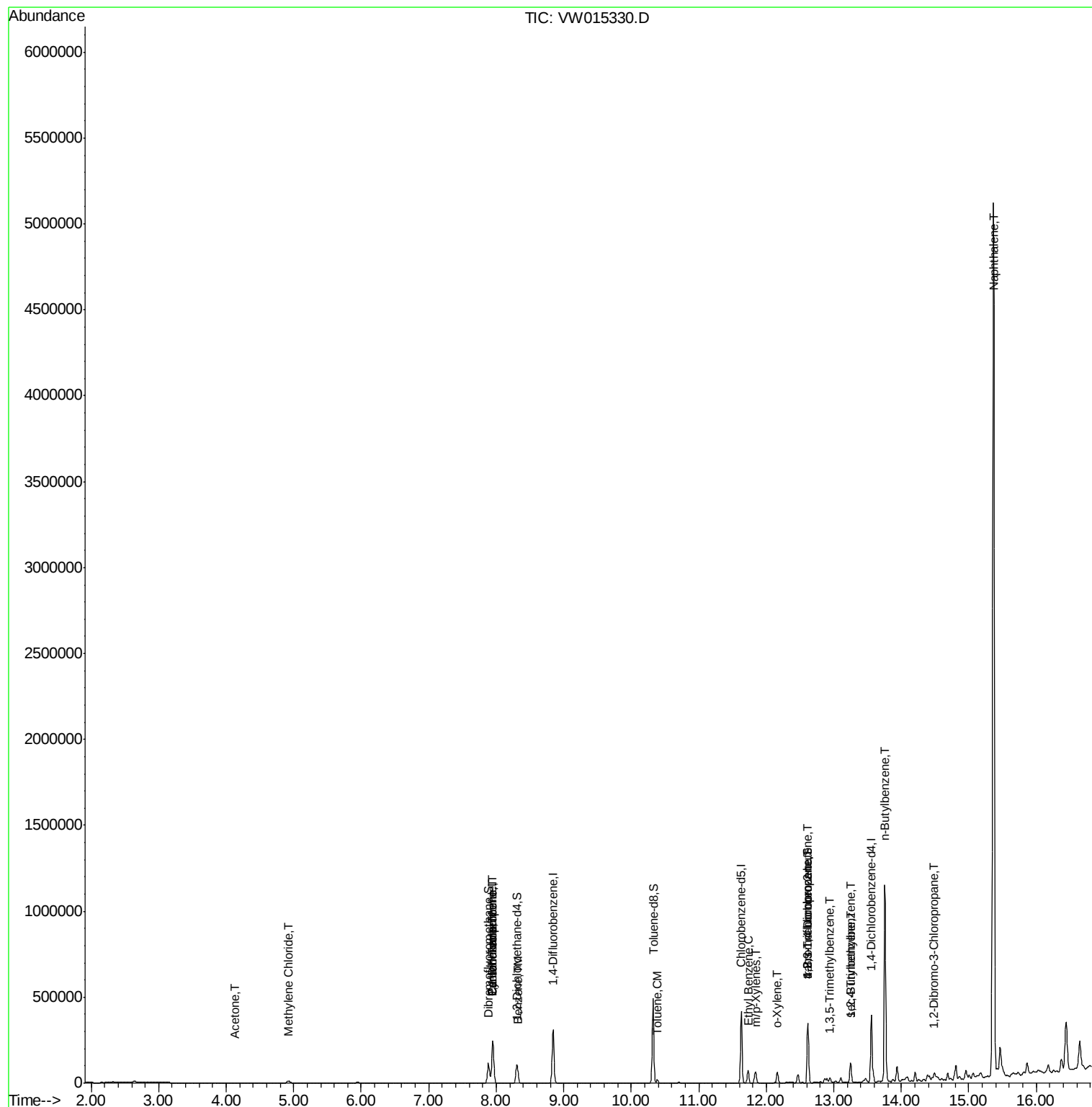
						Qvalue
16) Acetone	4.14	43	1764	6.039	ug/l	90
20) Methylene Chloride	4.92	84	10699	5.589	ug/l	86
31) Cyclohexane	7.95	56	3648	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12886	5.083	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17838	6.439	ug/l #	18
40) Benzene	8.32	78	8569	1.265	ug/l	92
52) Toluene	10.38	92	8613	1.817	ug/l	99
67) Ethyl Benzene	11.73	91	51398	5.716	ug/l	99
68) m/p-Xylenes	11.84	106	21354	6.059	ug/l	99
69) o-Xylene	12.16	106	17087	5.194	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	55259	64.240	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	11811	1.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	55259	140.429	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.25	105	65547	10.007	ug/l	99
85) sec-Butylbenzene	13.25	105	65547	8.177	ug/l #	56
89) n-Butylbenzene	13.76	91	95567	14.037	ug/l #	42
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1182	5.967	ug/l #	2
95) Naphthalene	15.36	128	4402502	1287.500	ug/l	99

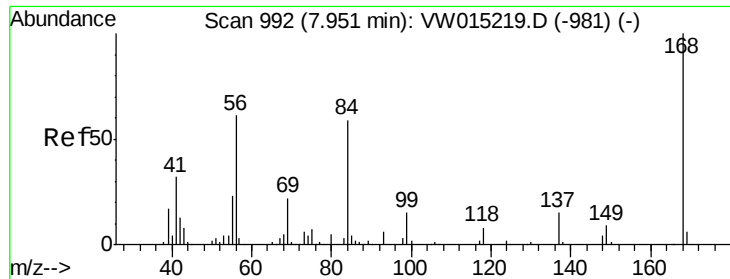
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015330.D

Acq: 23 Apr 2020 14:14

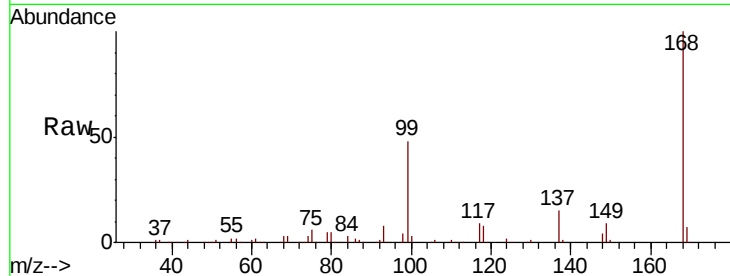
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 204517

Ion Ratio Lower Upper

168 100

99 47.6 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

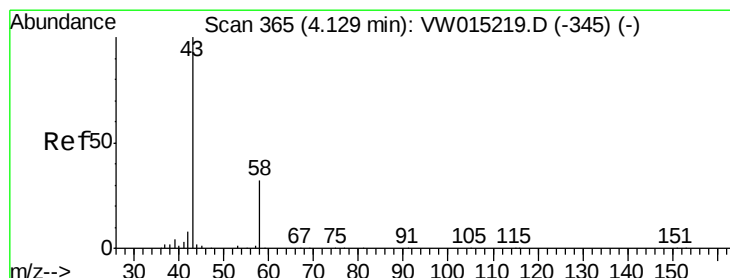
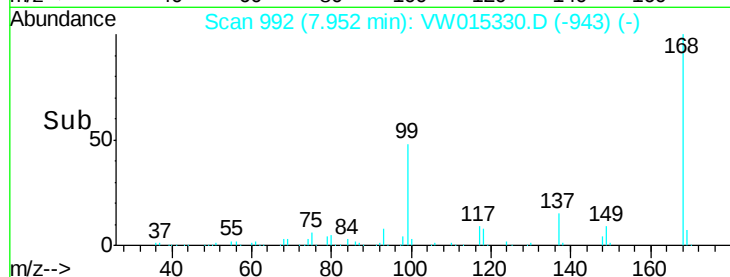
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 6.039 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015330.D

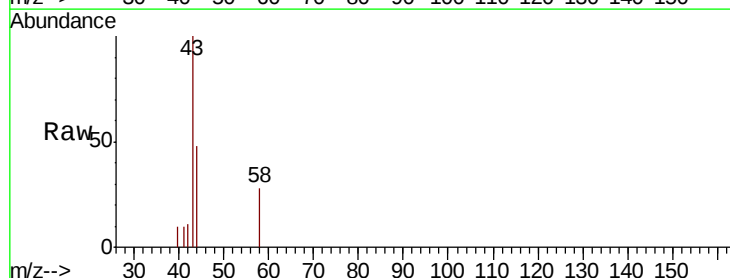
Acq: 23 Apr 2020 14:14

Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

43 100

58 27.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

600

500

400

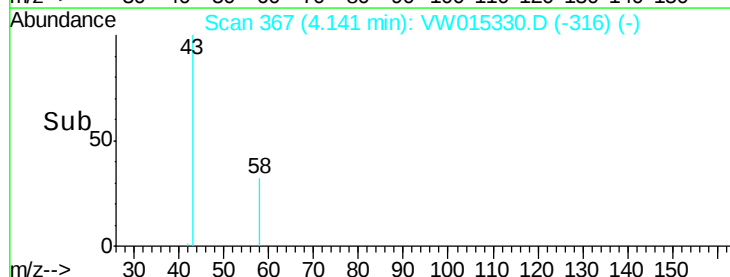
300

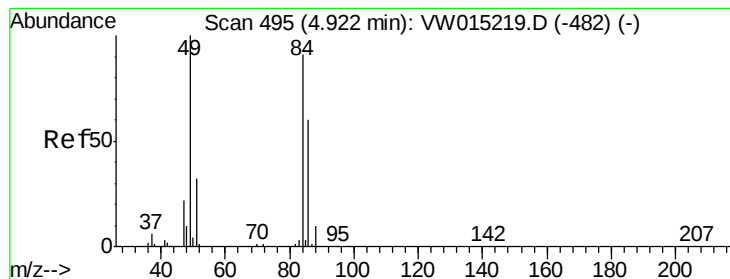
200

100

0

Time-->





#20

Methvlene Chloride

Concen: 5.589 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 10699

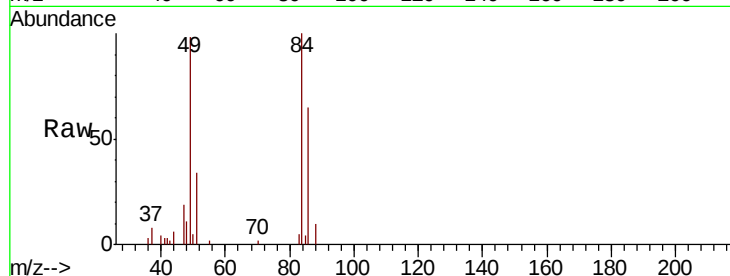
Ion Ratio Lower Upper

84 100

49 98.0 95.4 143.0

51 33.5 29.8 44.8

86 65.4 47.4 71.0

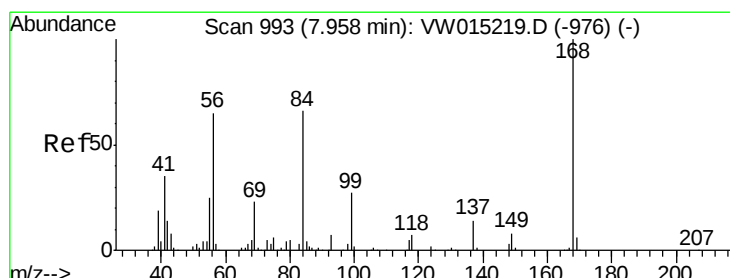
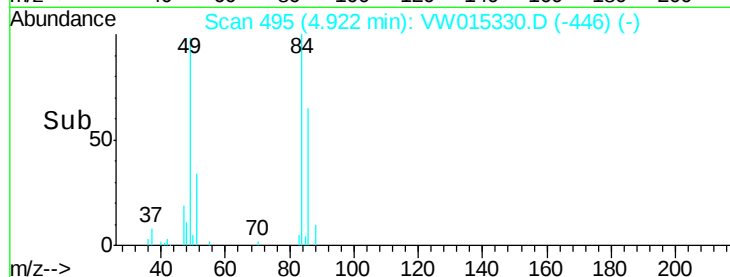
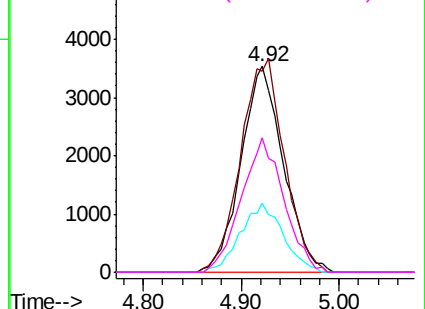


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.180 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

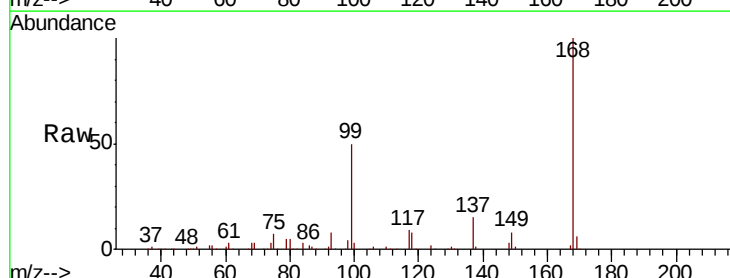
Tgt Ion: 56 Resp: 3648

Ion Ratio Lower Upper

56 100

69 174.4 27.1 40.7#

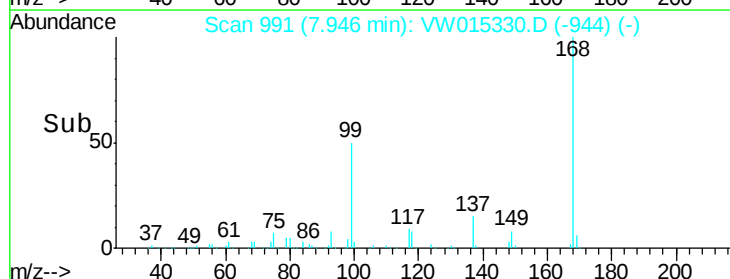
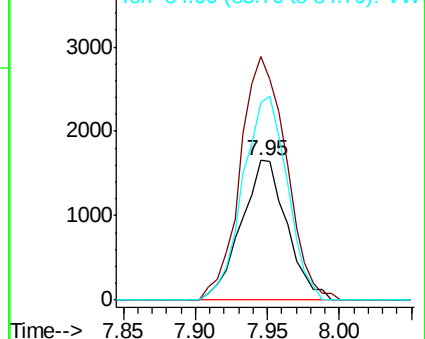
84 142.0 71.9 107.9#

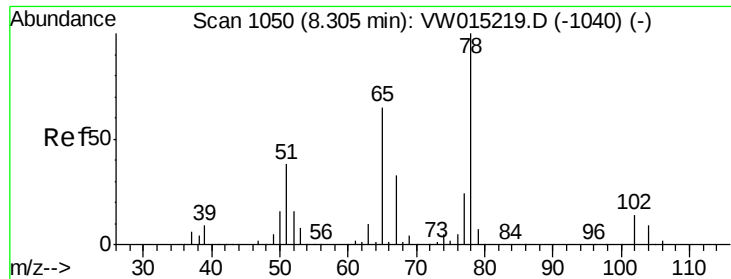


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

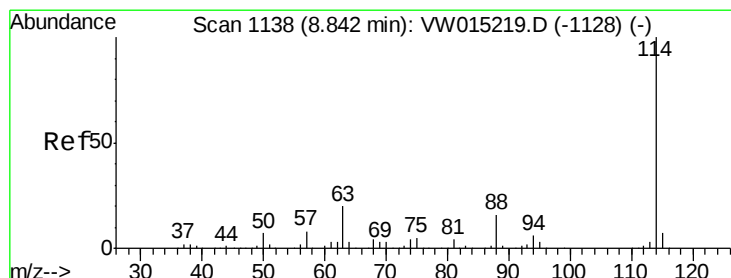
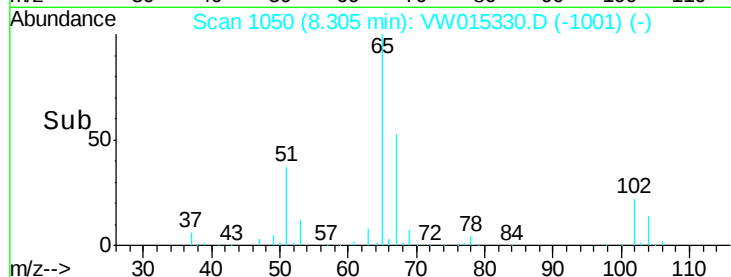
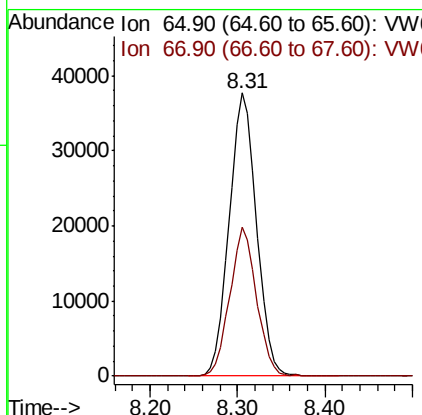
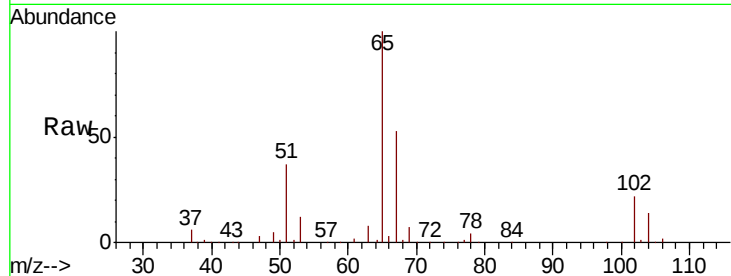




#33
 1,2-Dichloroethane-d4
 Concen: 48.998 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

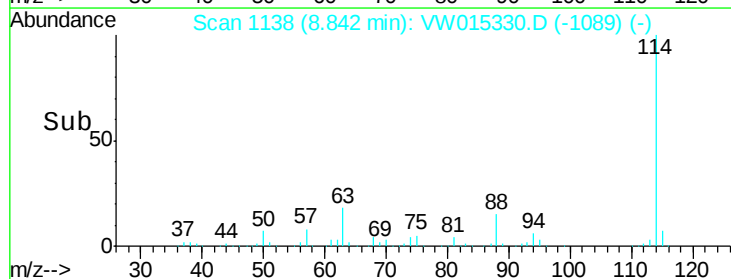
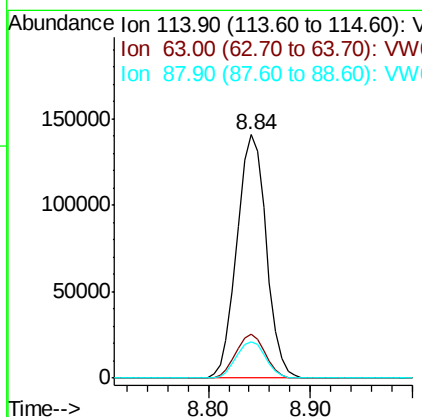
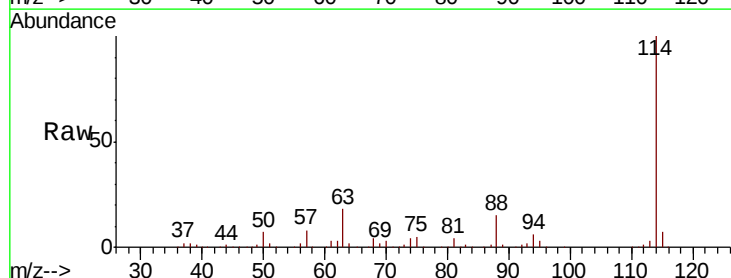
Instrument :
 MSVOA_W
 ClientSampleId :

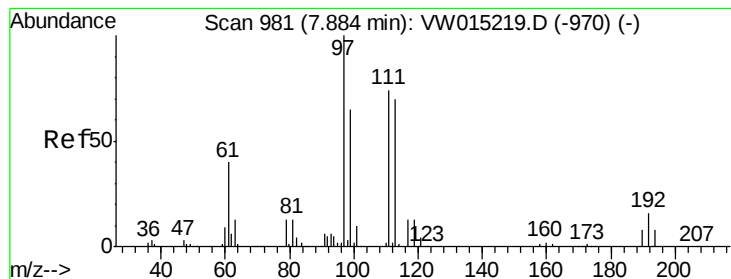
Tot Ion: 65 Resp: 81945
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

Tgt Ion: 114 Resp: 280859
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.8
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.125 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

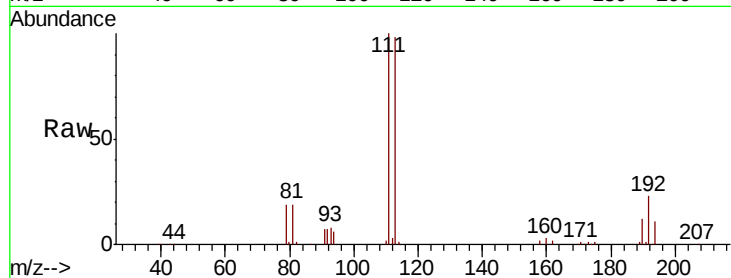
Tot Ion:113 Resp: 81093

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

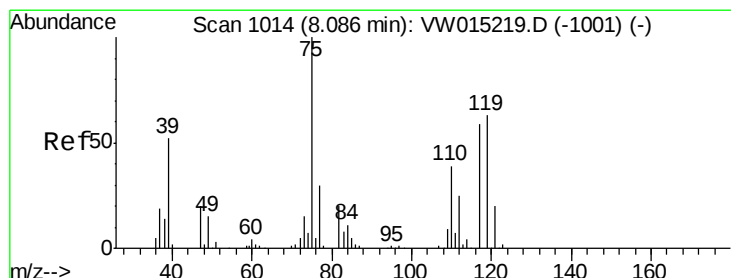
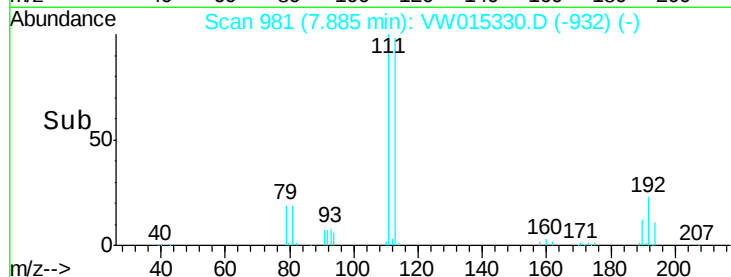
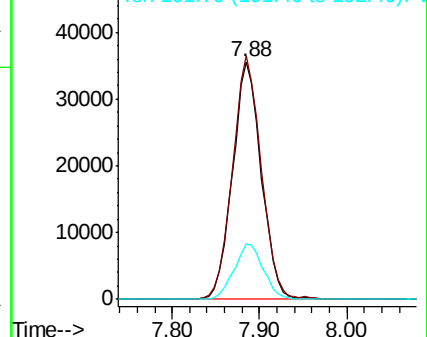
192 23.7 15.1 22.7#



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: 5.083 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

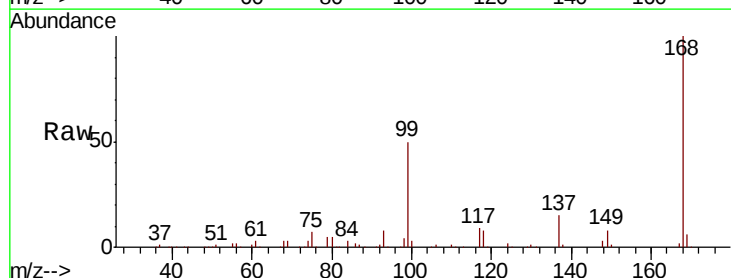
Tgt Ion: 75 Resp: 12886

Ion Ratio Lower Upper

75 100

110 10.0 18.2 54.6#

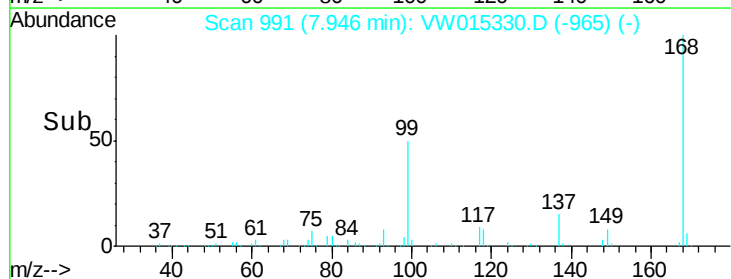
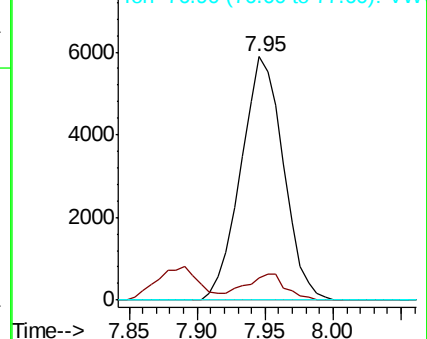
77 0.0 24.5 36.7#

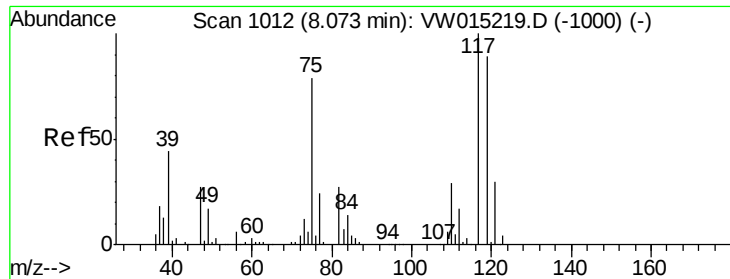


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

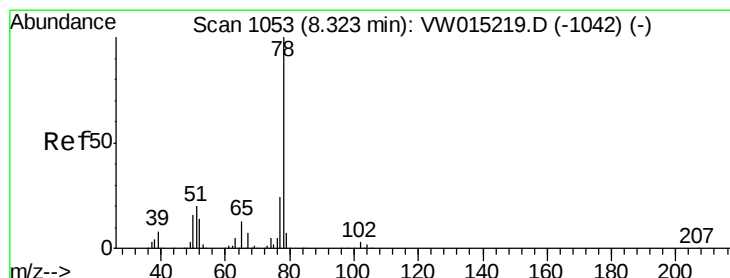
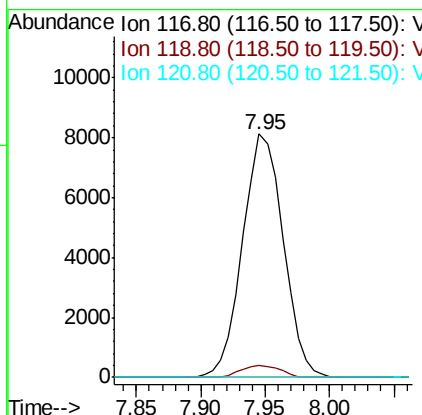
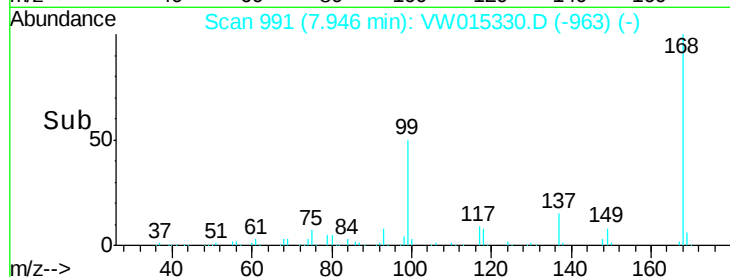
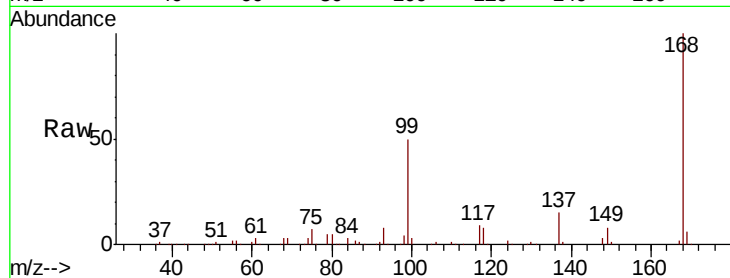




#38
 Carbon Tetrachloride
 Concen: 6.439 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

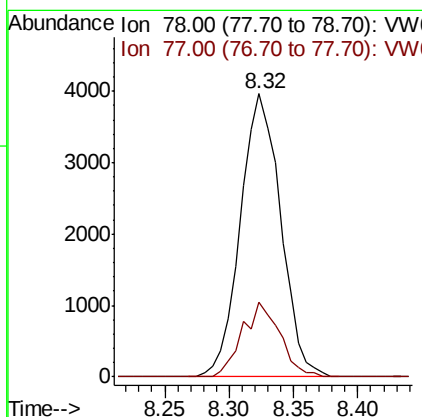
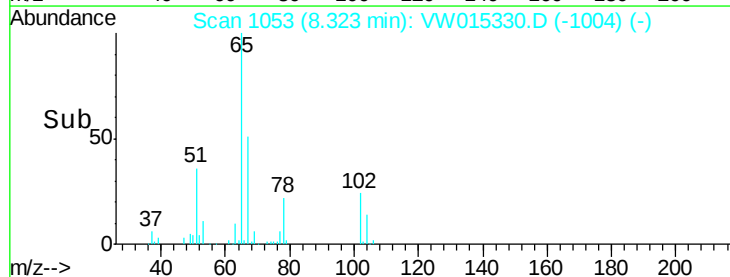
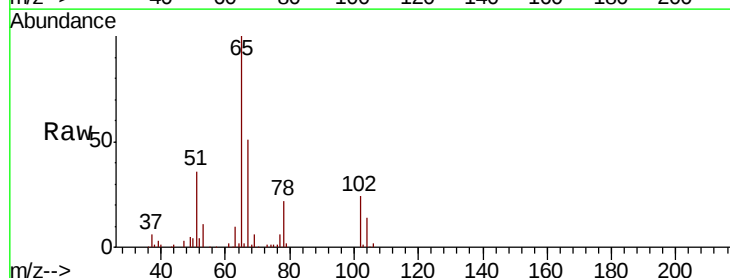
Instrument :
 MSVOA_W
 ClientSampleId :

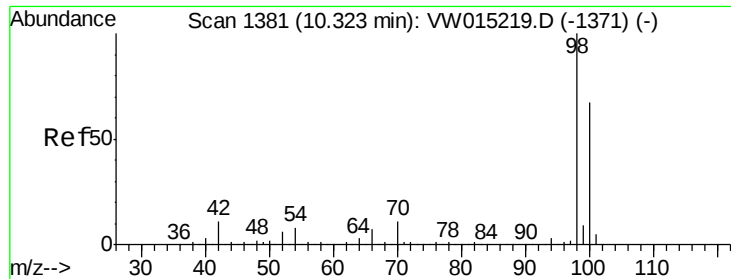
Tot Ion:117 Resp: 17838
 Ion Ratio Lower Upper
 117 100
 119 4.7 72.3 108.5#
 121 0.0 23.7 35.5#



#40
 Benzene
 Concen: 1.265 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

Tgt Ion: 78 Resp: 8569
 Ion Ratio Lower Upper
 78 100
 77 26.4 18.2 27.2

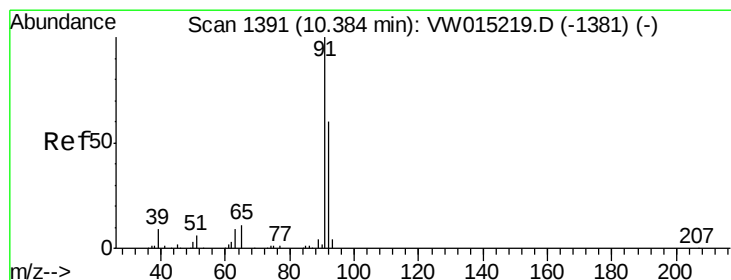
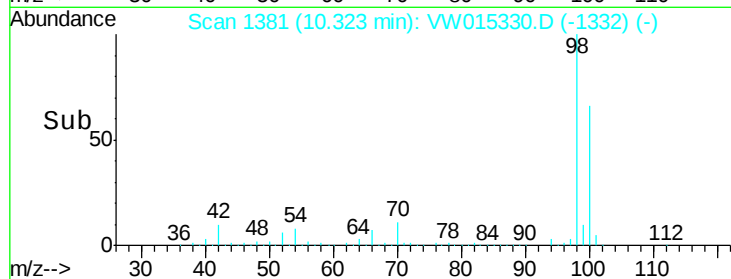
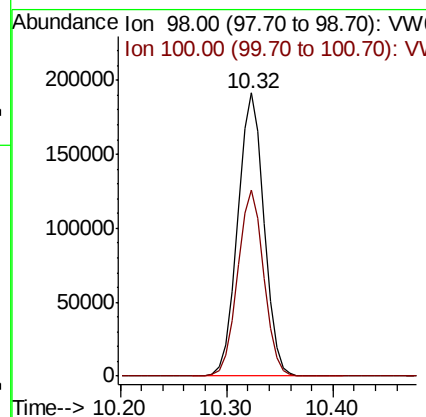
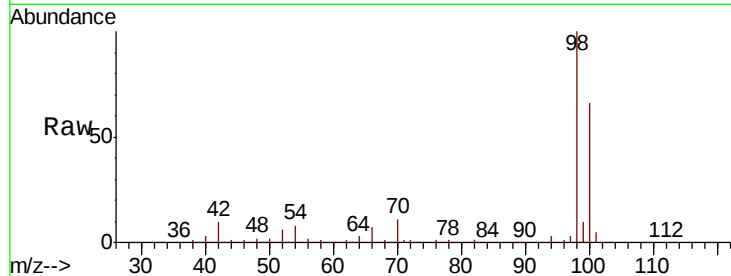




#50
Toluene-d8
Concen: 50.766 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

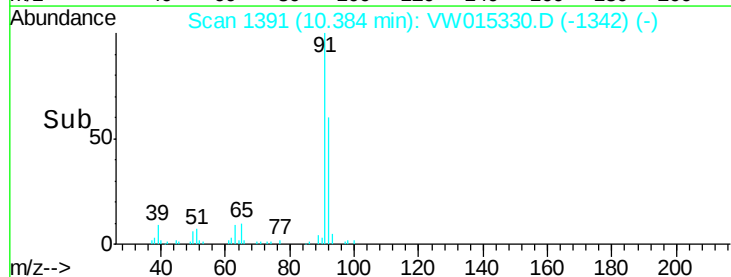
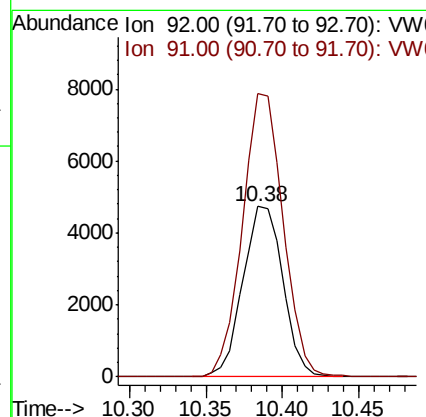
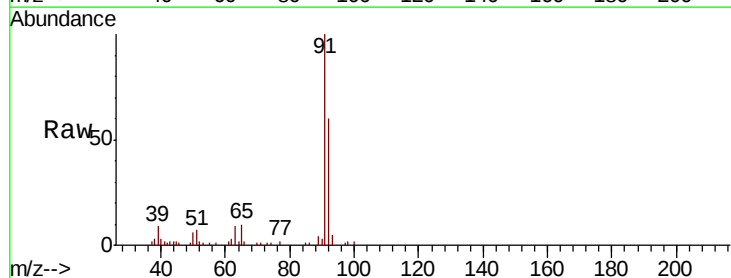
Instrument :
MSVOA_W
ClientSampled :

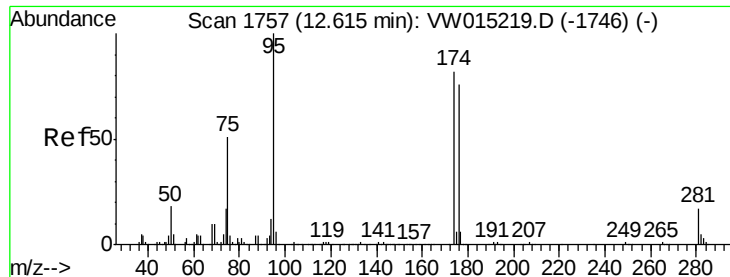
Tot Ion: 98 Resp: 332235
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#52
Toluene
Concen: 1.817 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

Tgt Ion: 92 Resp: 8613
Ion Ratio Lower Upper
92 100
91 169.5 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 43.834 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

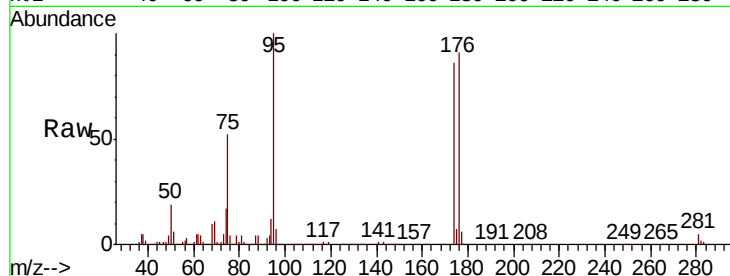
Tot Ion: 95 Resp: 109456

Ion Ratio Lower Upper

95 100

174 89.7 0.0 144.4

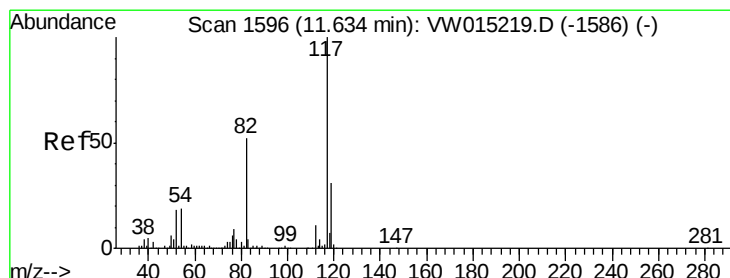
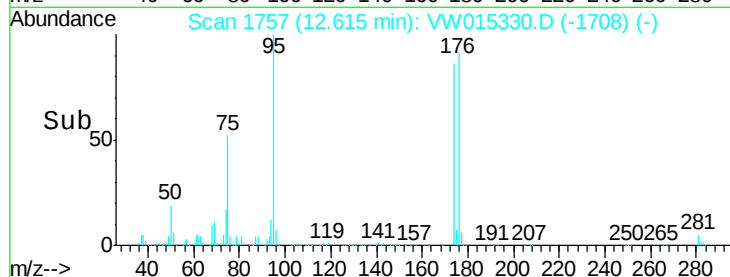
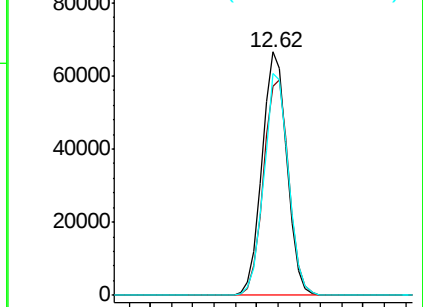
176 89.4 0.0 140.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

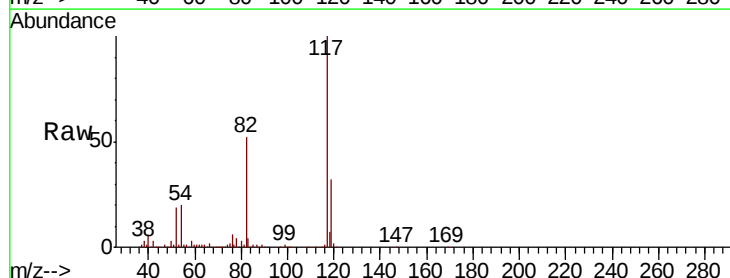
Tgt Ion: 117 Resp: 245710

Ion Ratio Lower Upper

117 100

82 52.1 44.1 66.1

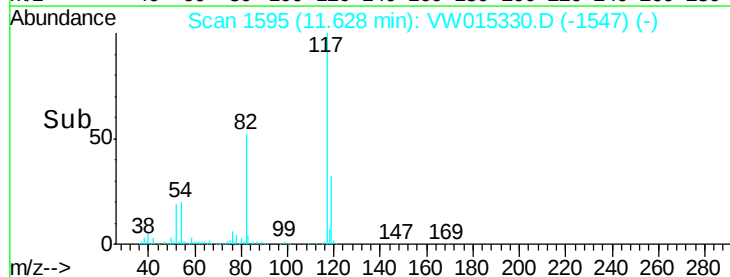
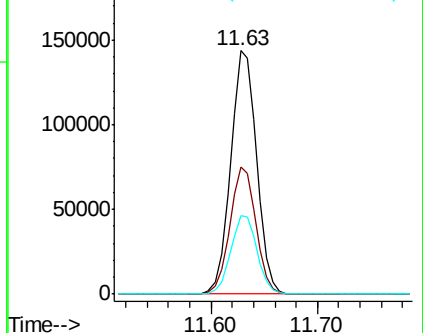
119 32.2 24.9 37.3

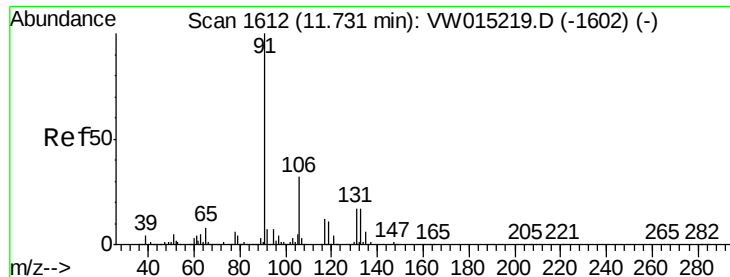


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

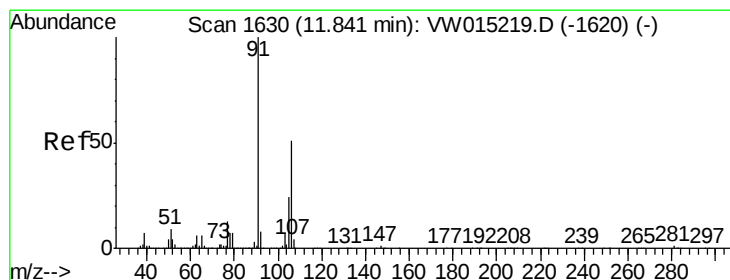
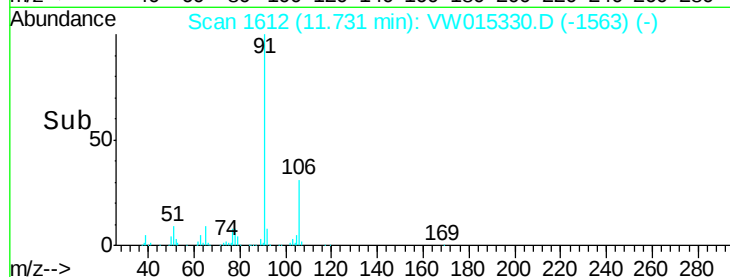
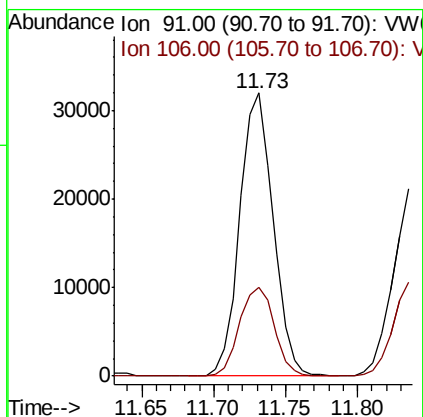
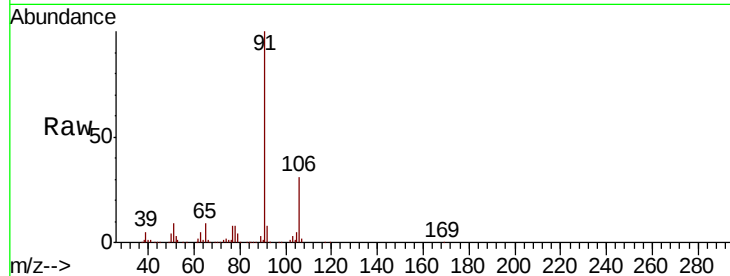




#67
Ethyl Benzene
Concen: 5.716 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

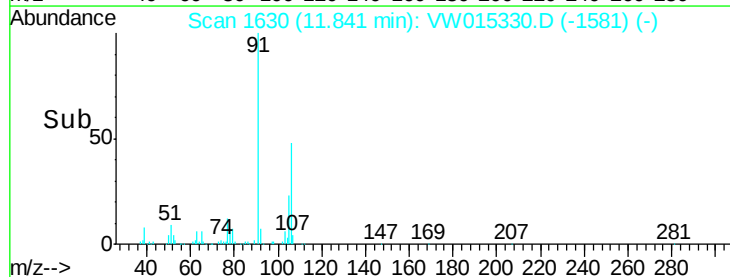
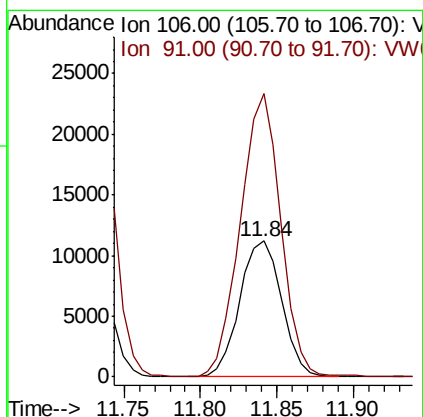
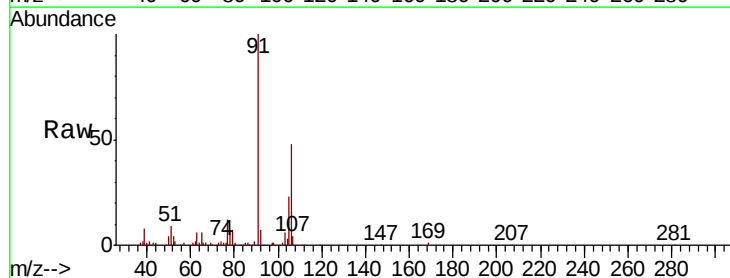
Instrument :
MSVOA_W
ClientSampleId :

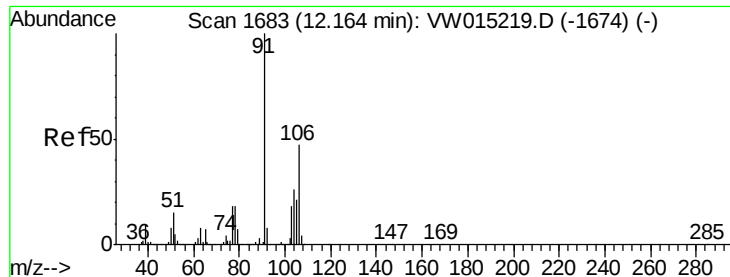
Tot Ion: 91 Resp: 51398
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 6.059 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

Tgt Ion: 106 Resp: 21354
Ion Ratio Lower Upper
106 100
91 201.0 160.0 240.0

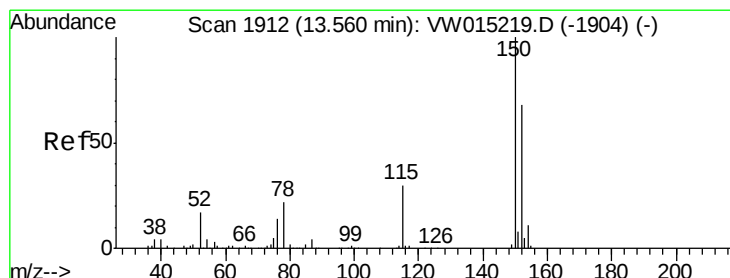
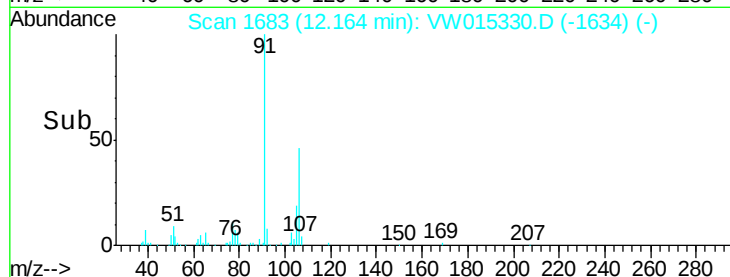
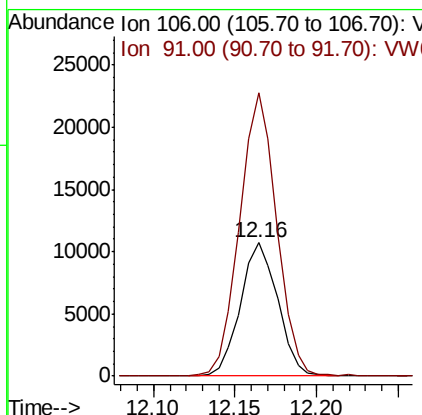
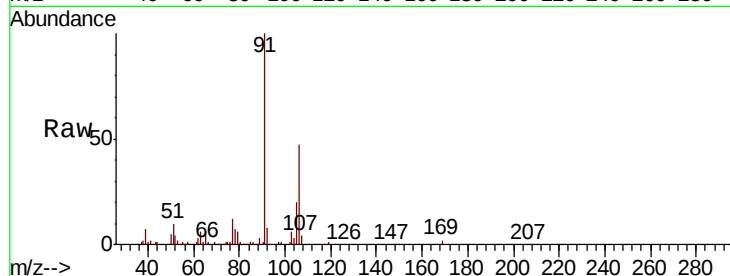




#69
o-Xylene
Concen: 5.194 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

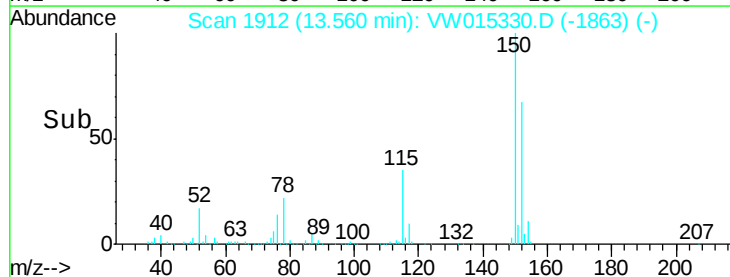
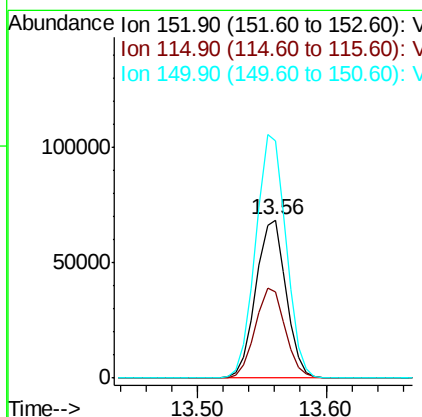
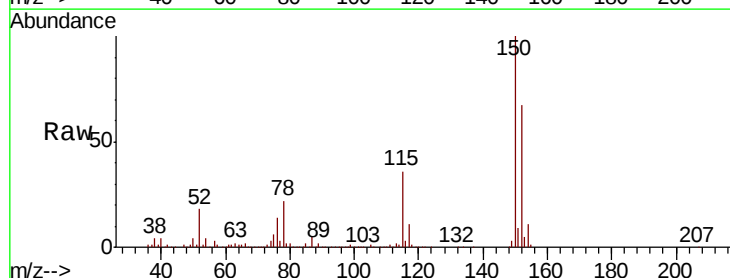
Instrument :
MSVOA_W
ClientSampled :

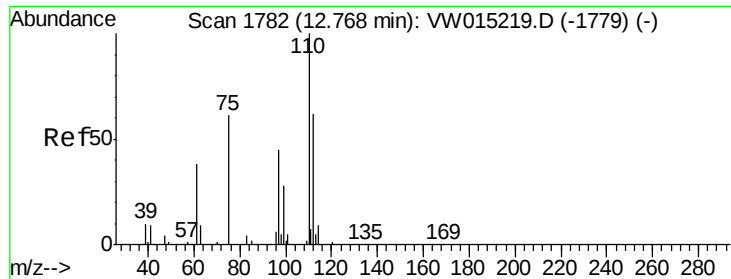
Tot Ion:106 Resp: 17087
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015330.D
Acq: 23 Apr 2020 14:14

Tgt Ion:152 Resp: 111193
Ion Ratio Lower Upper
152 100
115 56.7 31.3 93.9
150 154.6 0.0 343.4

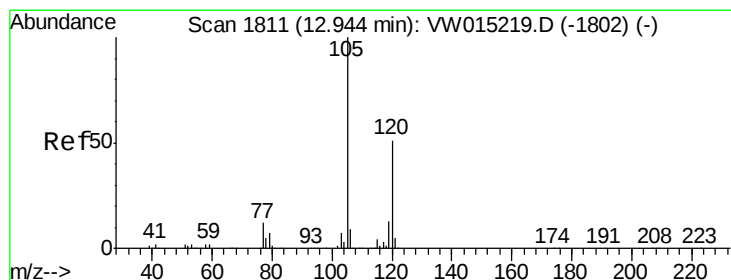
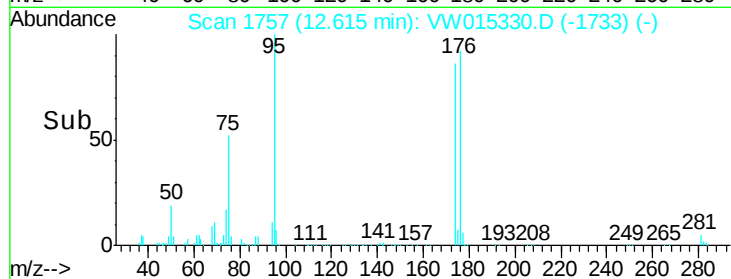
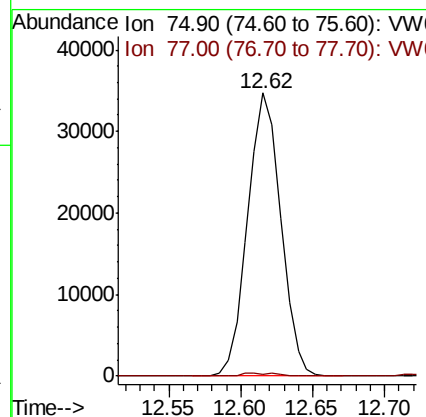
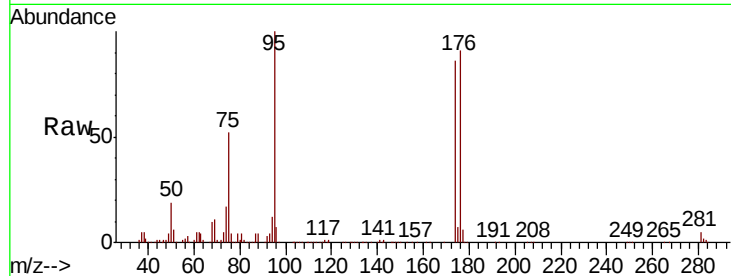




#76
 1,2,3-Trichloropropane
 Concen: 64.240 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

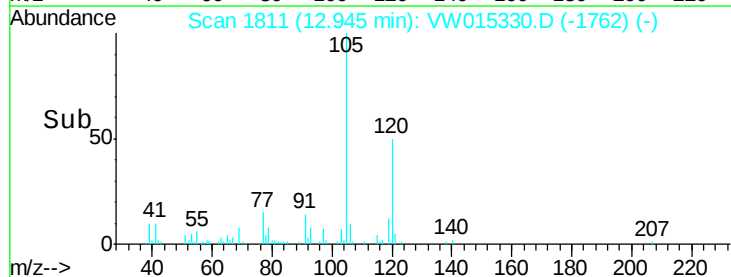
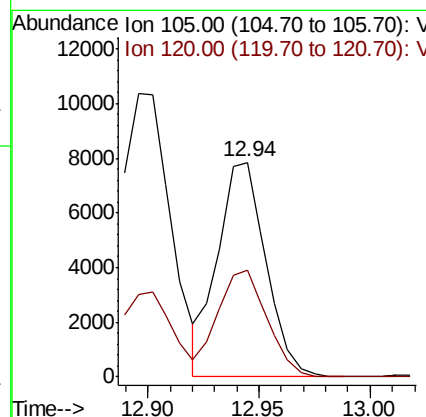
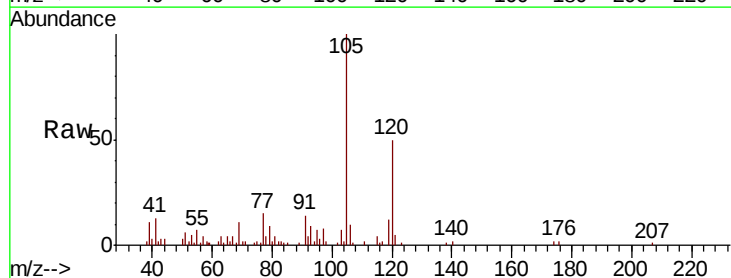
Instrument :
 MSVOA_W
 ClientSampleId :

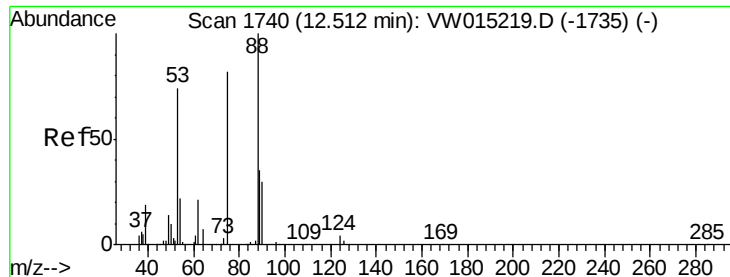
Tot Ion: 75 Resp: 55259
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.778 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015330.D
 Acq: 23 Apr 2020 14:14

Tgt Ion:105 Resp: 11811
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 140.429 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

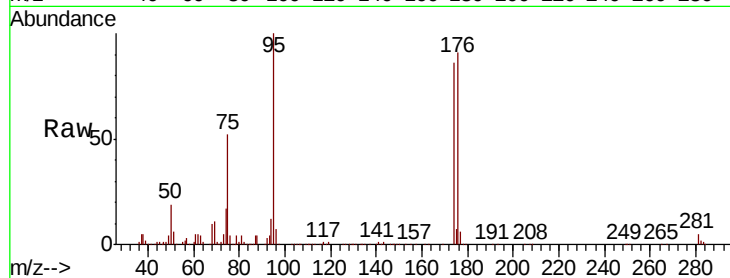
Tot Ion: 75 Resp: 55259

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

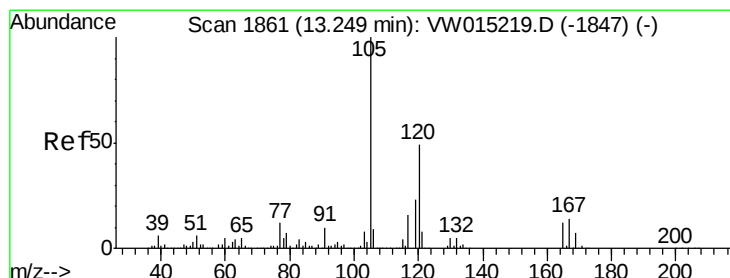
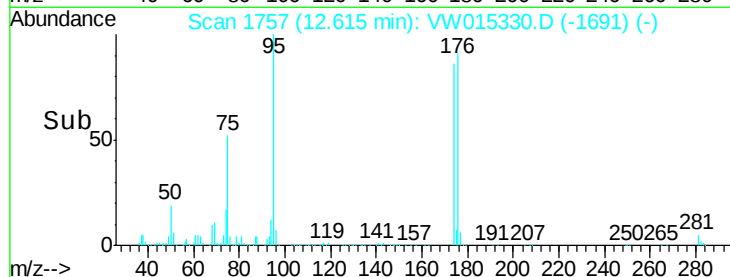
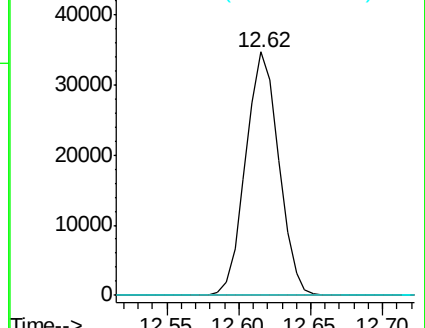
89 0.0 34.8 52.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 10.007 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW015330.D

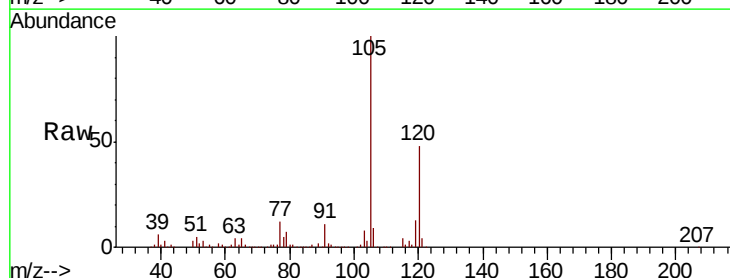
Acq: 23 Apr 2020 14:14

Tgt Ion:105 Resp: 65547

Ion Ratio Lower Upper

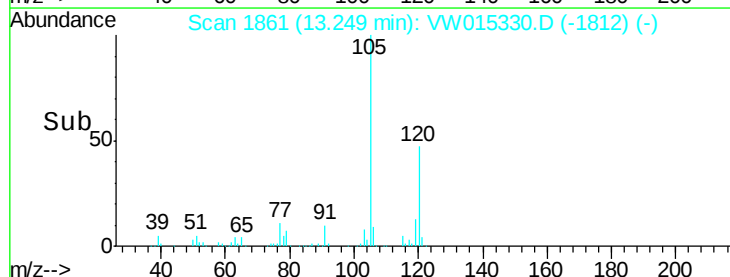
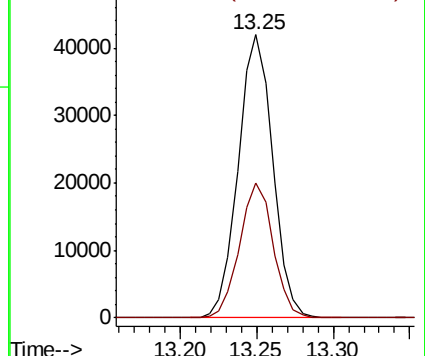
105 100

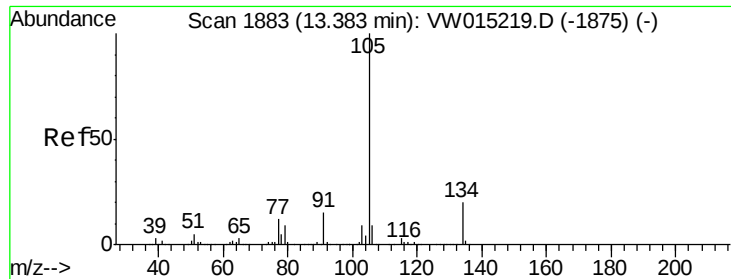
120 46.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 8.177 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.13 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :

MSVOA_W

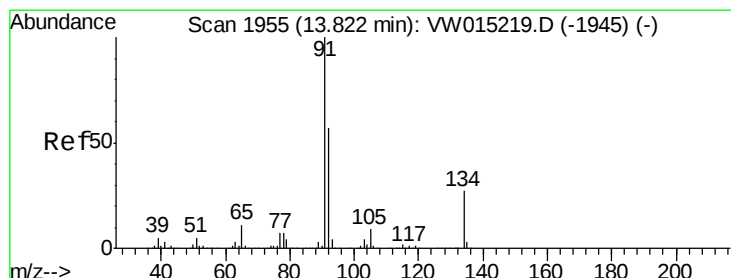
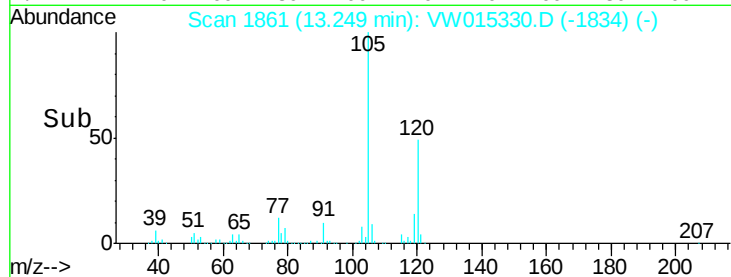
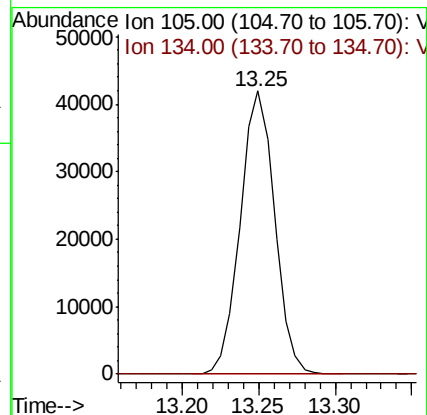
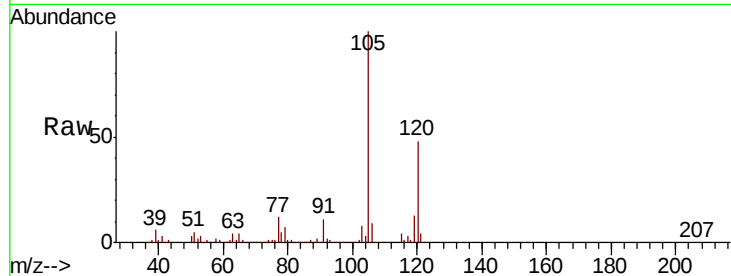
ClientSampleId :

Tot Ion:105 Resp: 65547

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#89

n-Butylbenzene

Concen: 14.037 ug/l

RT: 13.76 min Scan# 1944

Delta R.T. -0.07 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

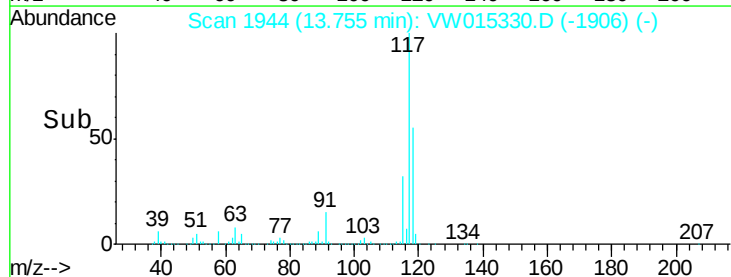
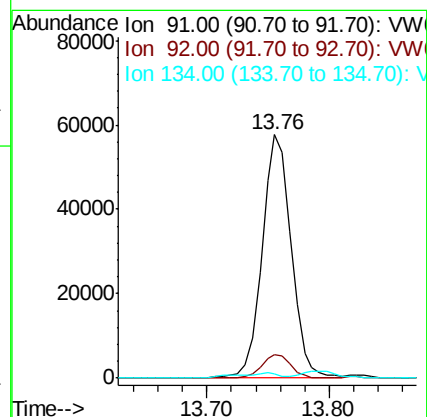
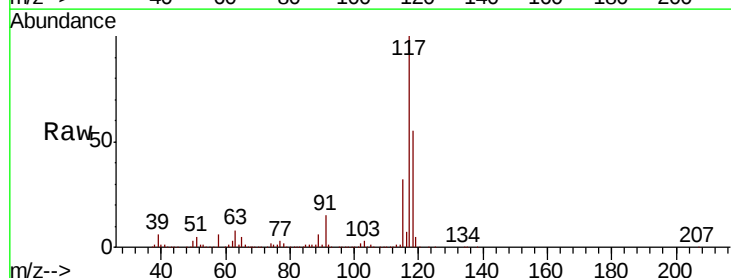
Tgt Ion: 91 Resp: 95567

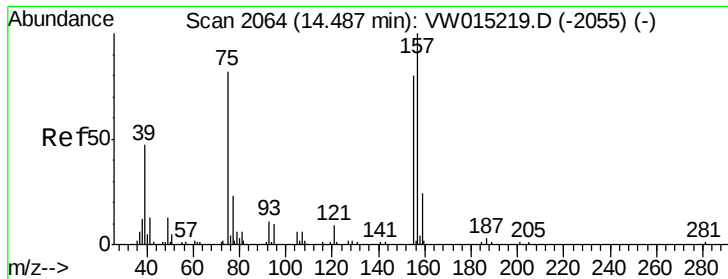
Ion Ratio Lower Upper

91 100

92 10.0 27.6 82.7#

134 1.6 12.8 38.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.967 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

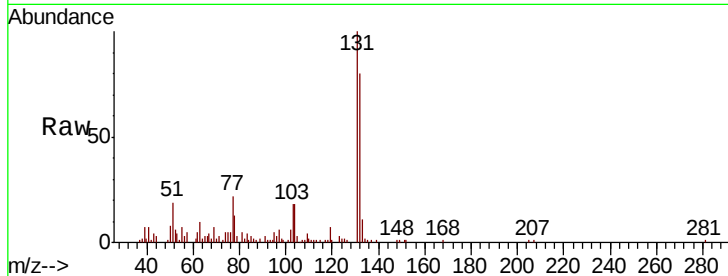
Tot Ion: 75 Resp: 1182

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.9#

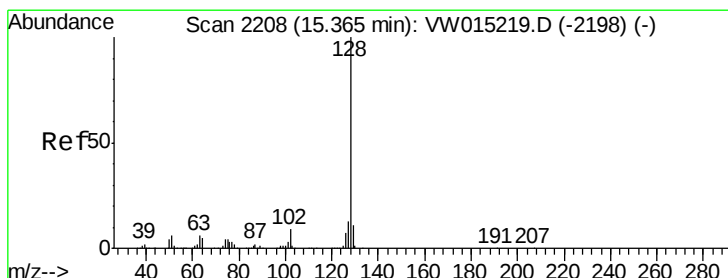
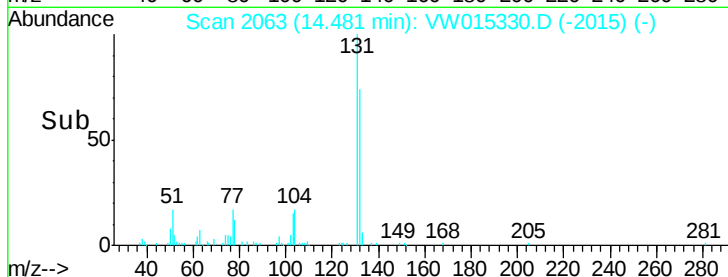
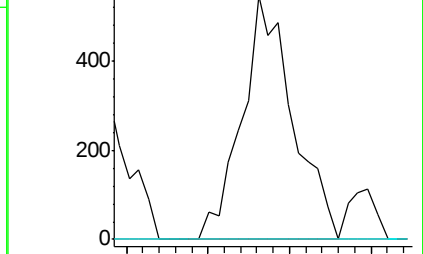
157 0.0 53.8 161.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1287.500 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015330.D

Acq: 23 Apr 2020 14:14

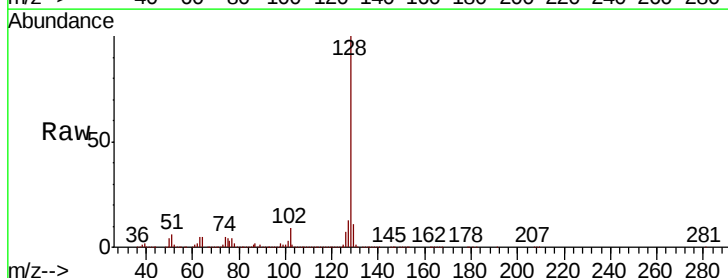
Tgt Ion: 128 Resp: 4402502

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

