

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015229.D
 Acq On : 20 Apr 2020 18:00
 Operator : SY/VA
 Sample : L2330-02
 Misc : 5.24G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-9-2

Quant Time: Apr 21 07:24:05 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	163303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	219742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71592	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	52994	39.68	ug/l	0.00
Spiked Amount			Recovery	=	79.36%	
35) Dibromofluoromethane	7.89	113	57070	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	10.32	98	253279	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	75290	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	

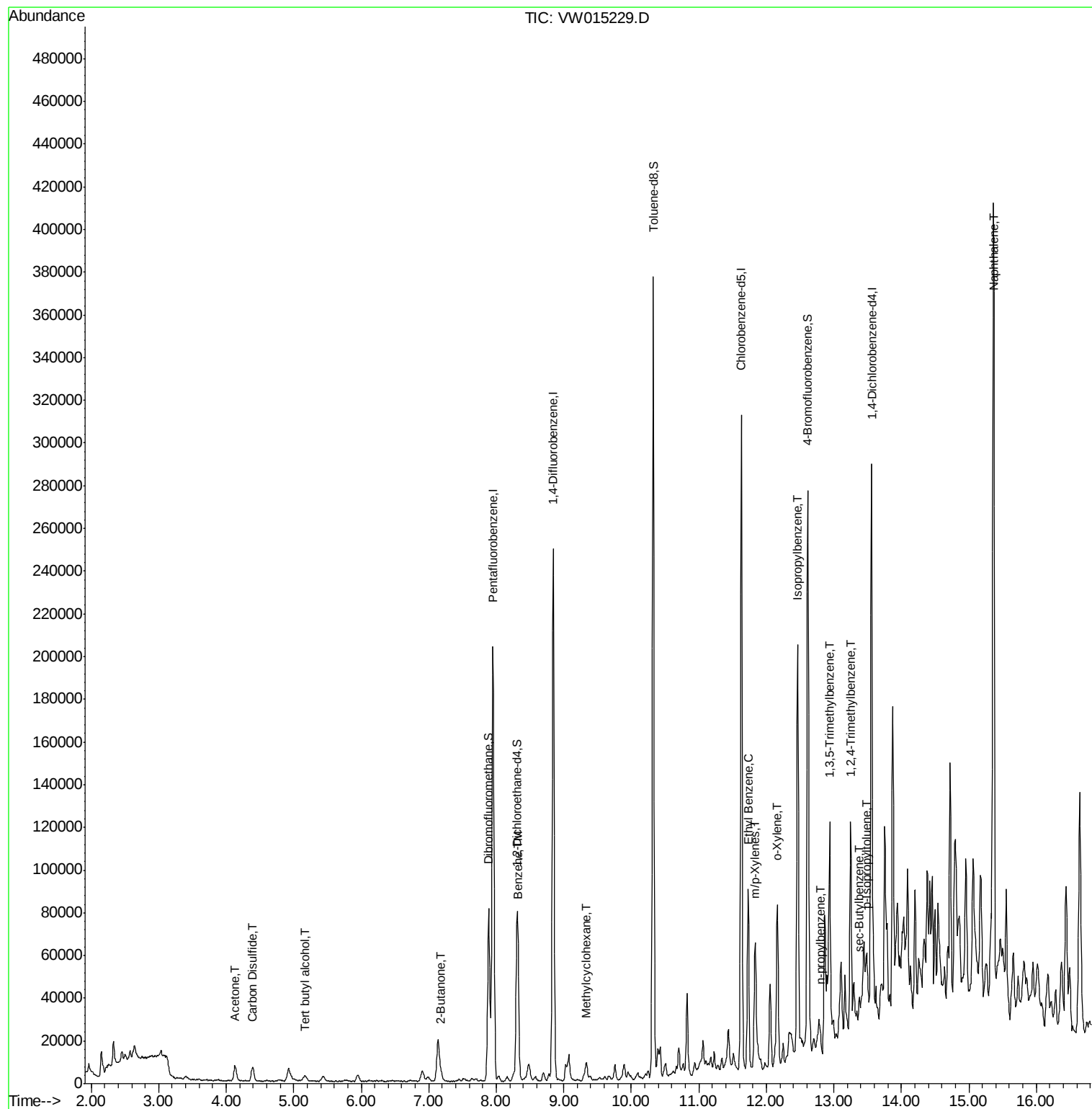
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	5870	53.924	ug/l #	91
16) Acetone	4.14	43	13421	57.540	ug/l	93
17) Carbon Disulfide	4.39	76	11625	2.808	ug/l	98
25) 2-Butanone	7.18	43	6865	22.184	ug/l #	87
39) Methylcyclohexane	9.34	83	3407	1.291	ug/l	95
40) Benzene	8.33	78	26284	4.961	ug/l	96
67) Ethyl Benzene	11.73	91	57958	8.855	ug/l	97
68) m/p-Xylenes	11.83	106	18505	7.213	ug/l	98
69) o-Xylene	12.16	106	20445	8.538	ug/l	99
73) Isopropylbenzene	12.46	105	111223	22.407	ug/l	98
78) n-propylbenzene	12.80	91	7129	1.234	ug/l	94
80) 1,3,5-Trimethylbenzene	12.94	105	22071	5.162	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	55758	13.221	ug/l	99
85) sec-Butylbenzene	13.38	105	5971	1.157	ug/l #	71
86) p-Isopropyltoluene	13.49	119	8993	1.875	ug/l	97
95) Naphthalene	15.36	128	331684	150.656	ug/l	100

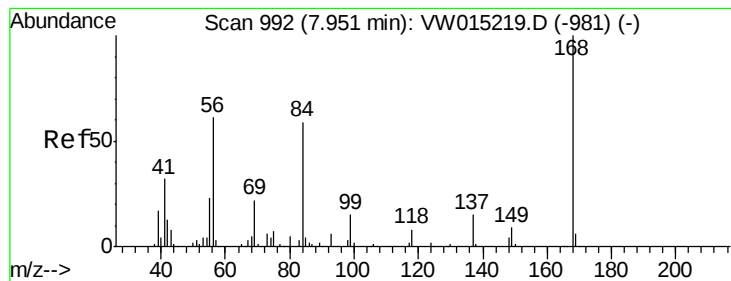
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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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: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampled :

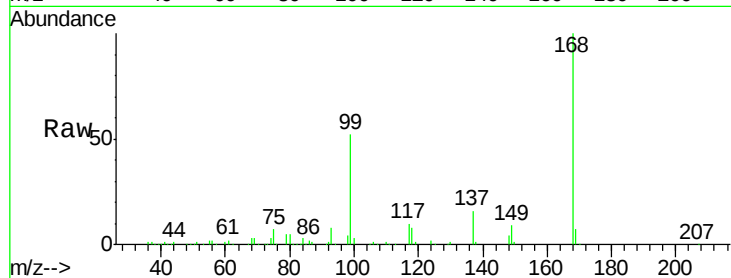
WB-9-2

Tot Ion:168 Resp: 163303

Ion Ratio Lower Upper

168 100

99 52.2 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

80000

60000

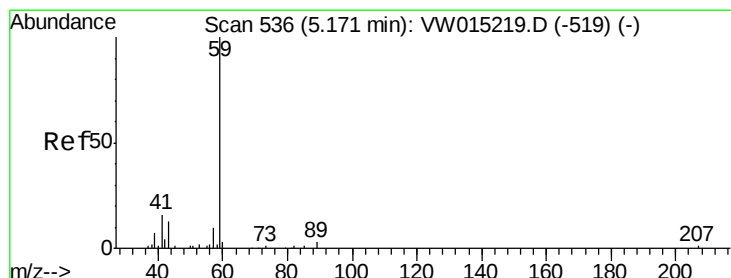
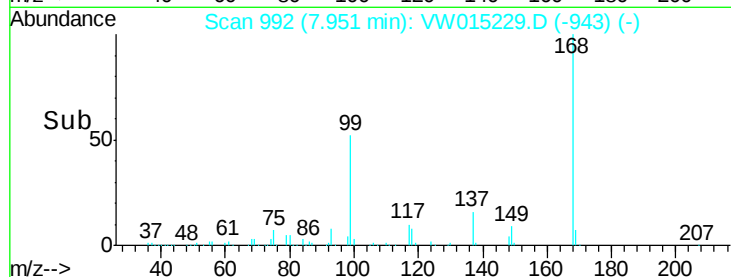
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 53.924 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015229.D

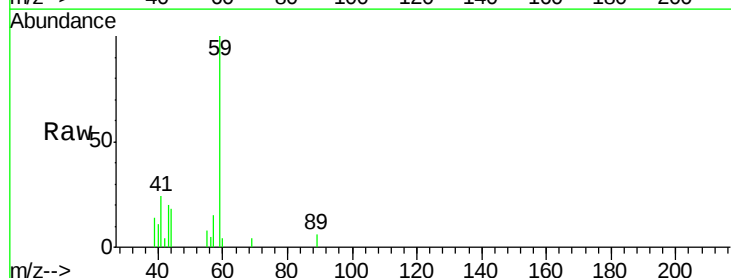
Acq: 20 Apr 2020 18:00

Tgt Ion: 59 Resp: 5870

Ion Ratio Lower Upper

59 100

57 13.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

1500

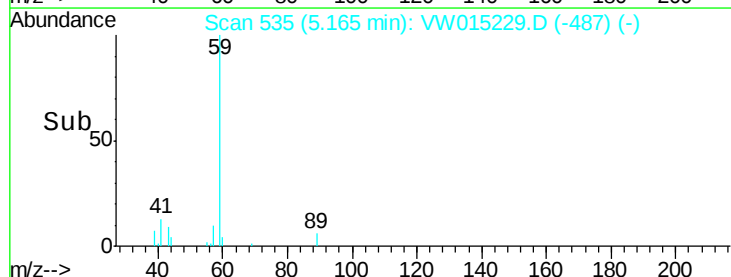
1000

500

0

5.00 5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 57.540 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampled :

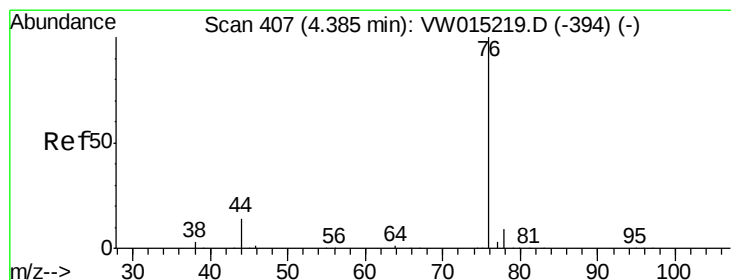
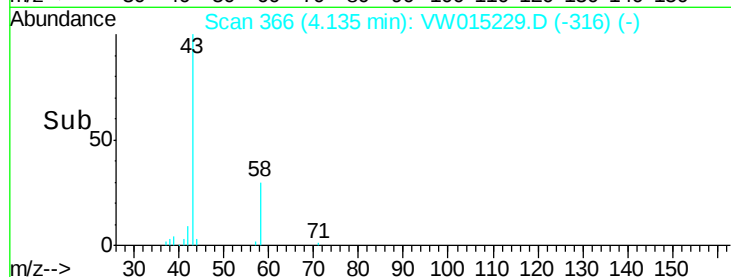
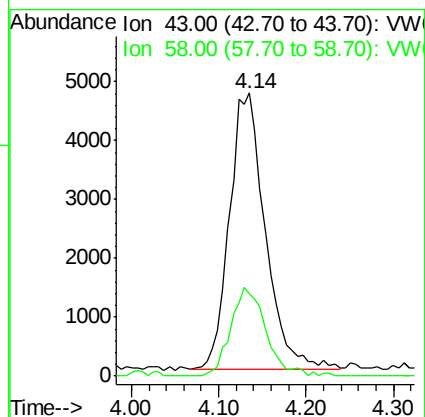
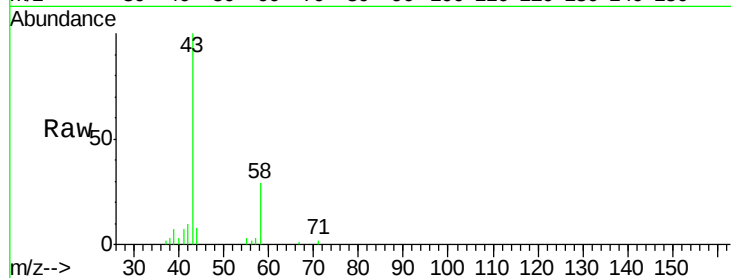
WB-9-2

Tot Ion: 43 Resp: 13421

Ion Ratio Lower Upper

43 100

58 29.9 27.0 40.4



#17

Carbon Disulfide

Concen: 2.808 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015229.D

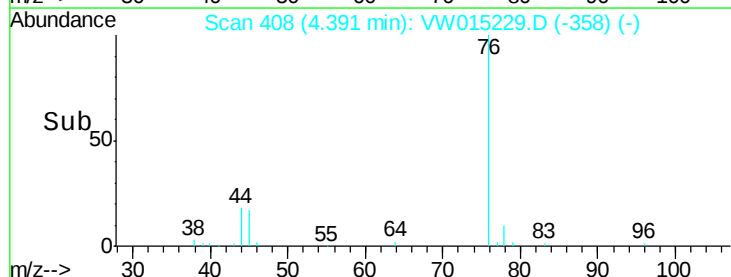
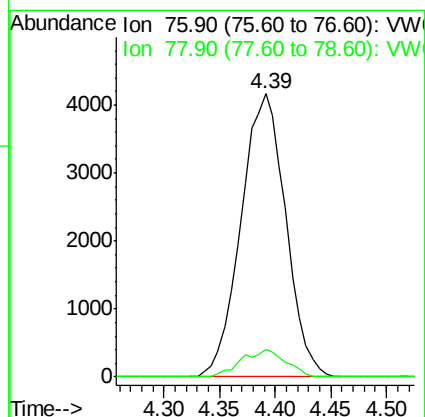
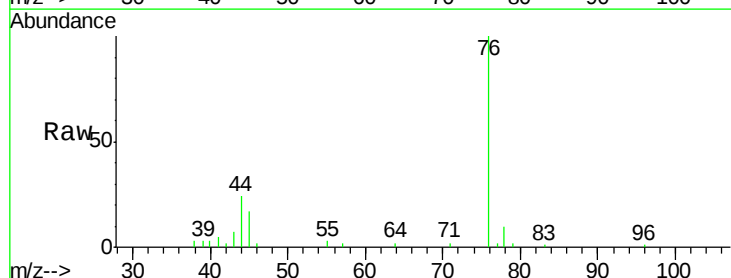
Acq: 20 Apr 2020 18:00

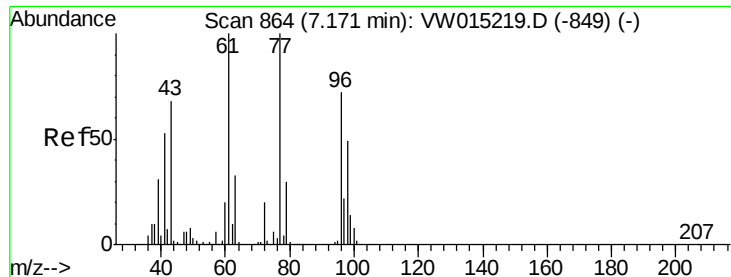
Tgt Ion: 76 Resp: 11625

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6





#25

2-Butanone

Concen: 22.184 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampled :

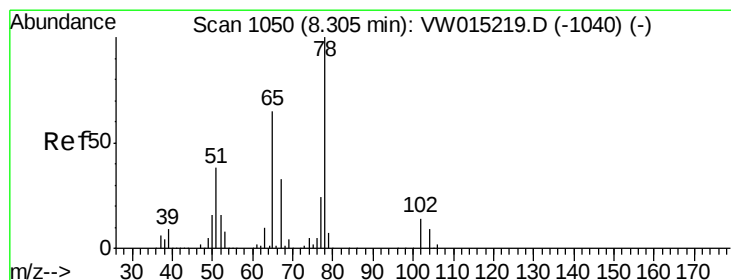
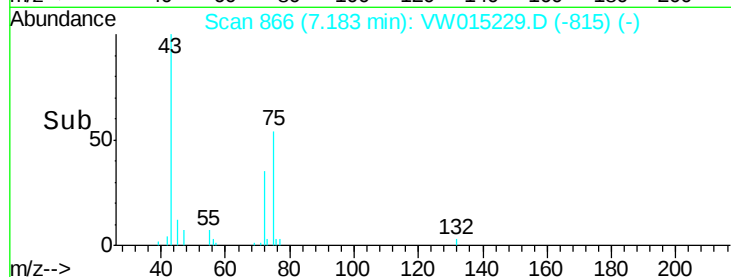
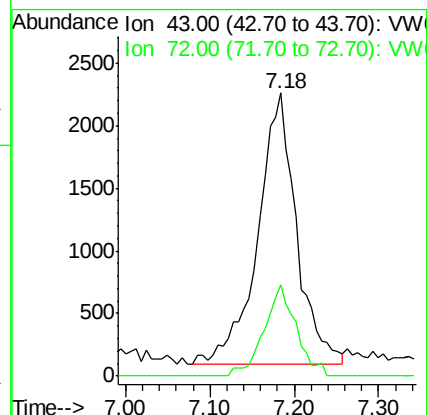
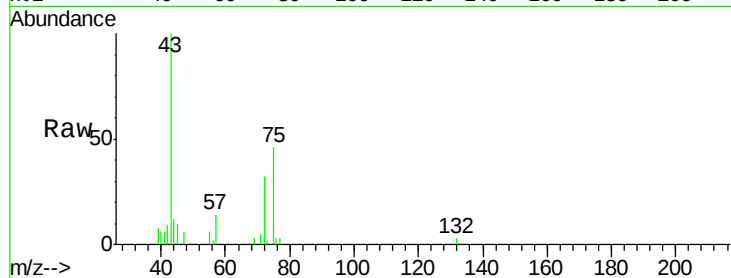
WB-9-2

Tot Ion: 43 Resp: 6865

Ion Ratio Lower Upper

43 100

72 33.5 21.6 32.4#



#33

1,2-Dichloroethane-d4

Concen: 39.684 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015229.D

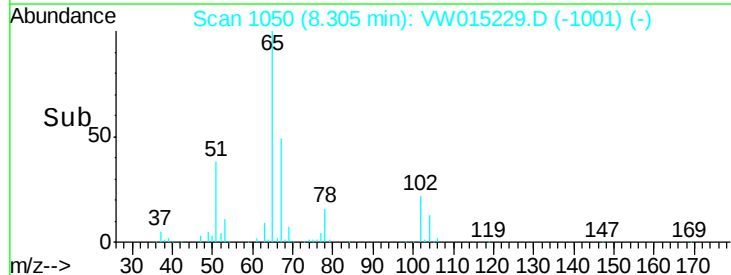
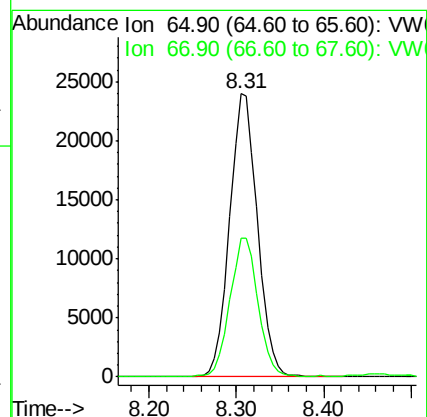
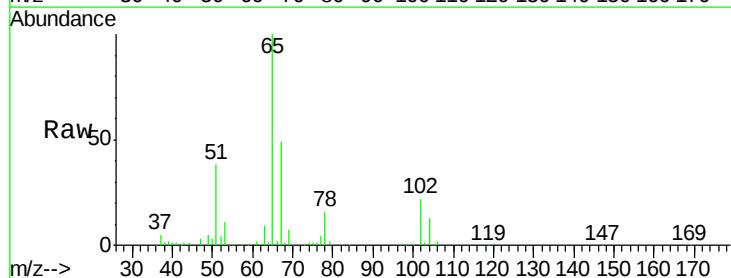
Acq: 20 Apr 2020 18:00

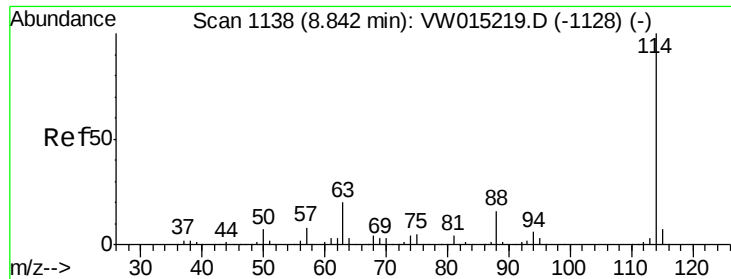
Tgt Ion: 65 Resp: 52994

Ion Ratio Lower Upper

65 100

67 50.2 0.0 107.0

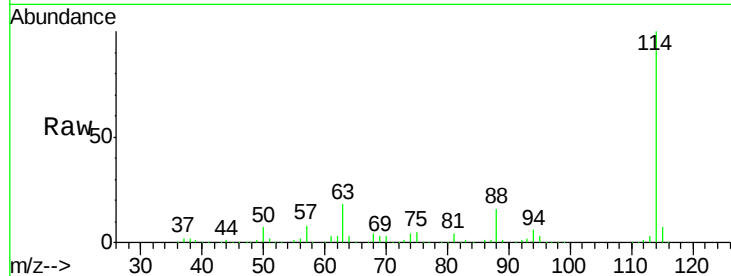




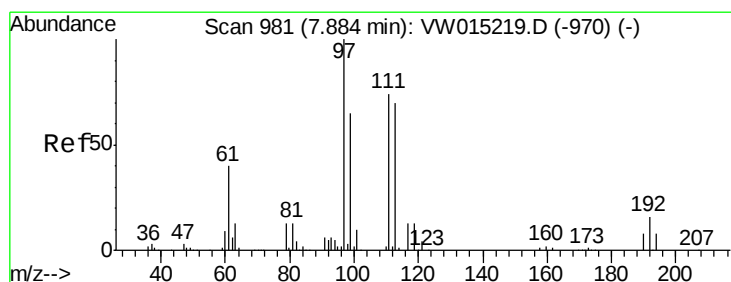
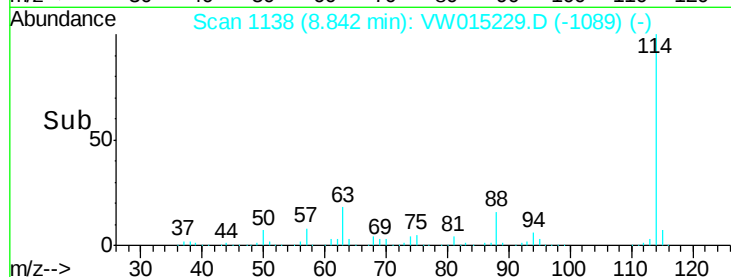
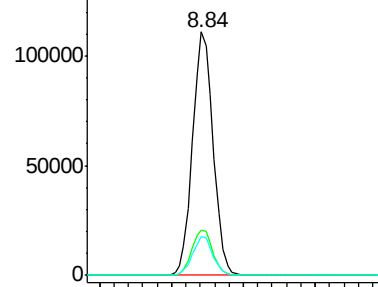
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Instrument :
MSVOA_W
ClientSampleId :
WB-9-2

Tot Ion:114 Resp: 219742
Ion Ratio Lower Upper
114 100
63 18.5 0.0 39.8
88 15.9 0.0 30.2

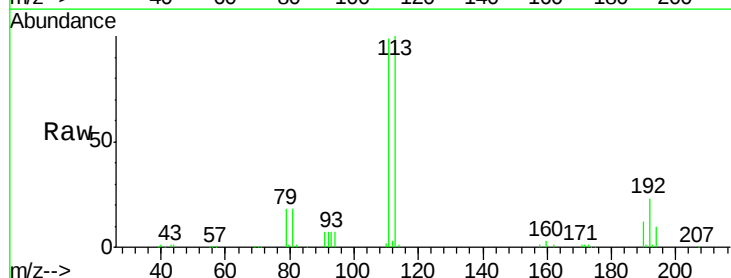


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

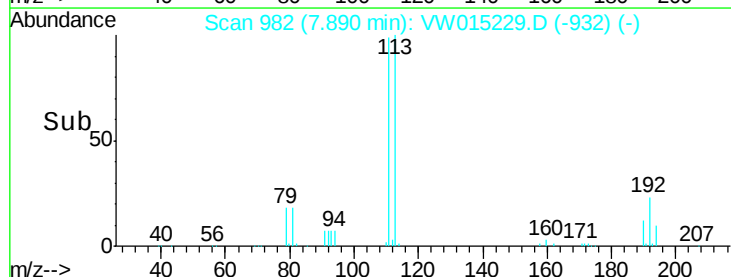
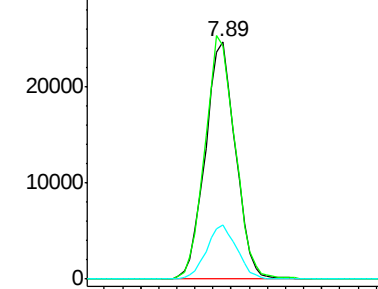


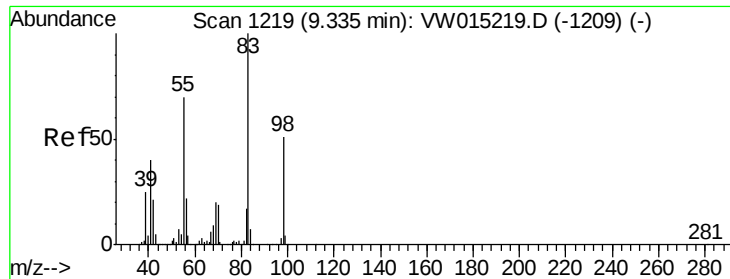
#35
Dibromofluoromethane
Concen: 46.887 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Tgt Ion:113 Resp: 57070
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.4
192 22.7 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

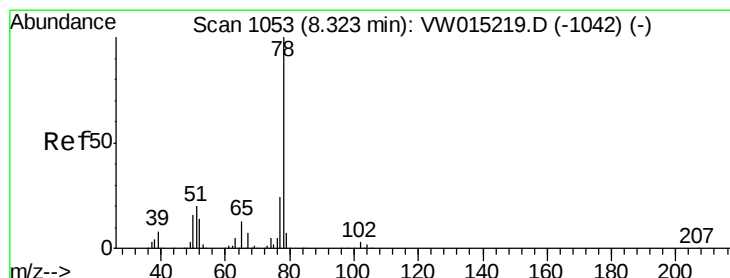
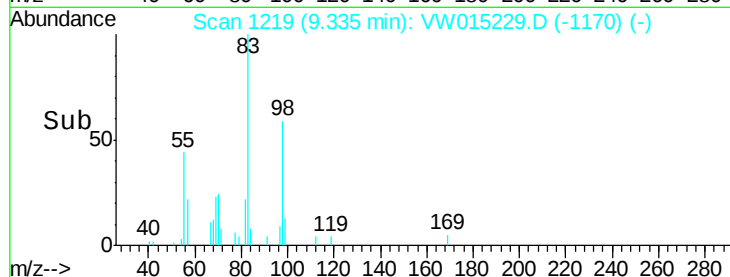
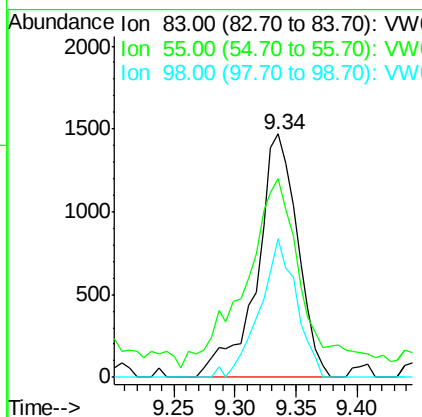
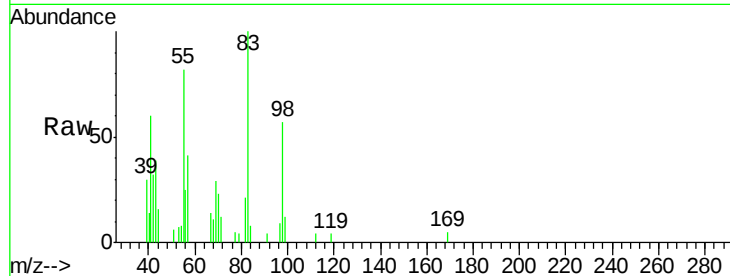




#39
Methvlcvclohexane
Concen: 1.291 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

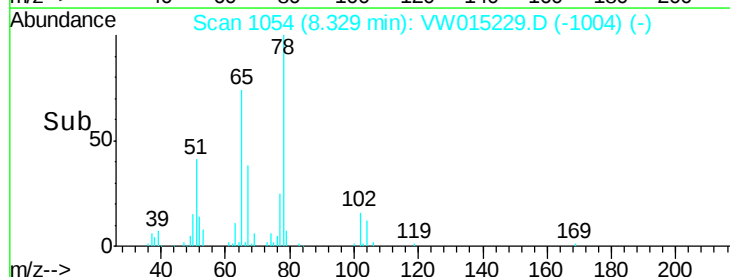
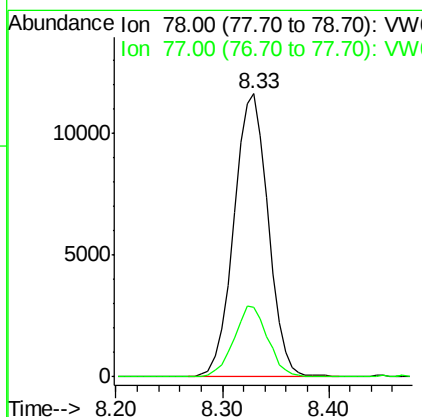
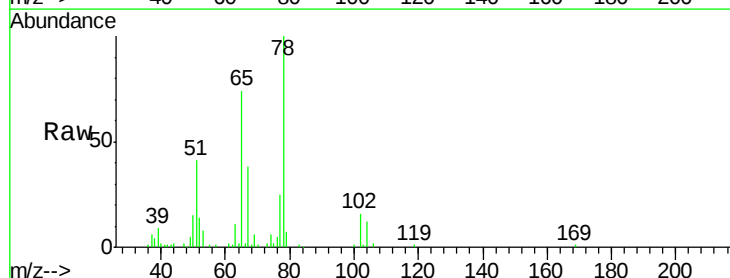
Instrument :
MSVOA_W
ClientSampleId :
WB-9-2

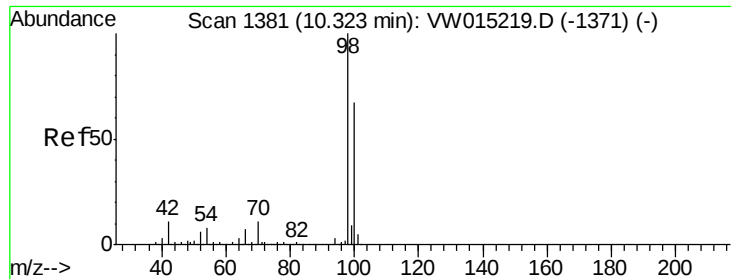
Tot Ion: 83 Resp: 3407
Ion Ratio Lower Upper
83 100
55 71.1 58.1 87.1
98 57.0 40.2 60.4



#40
Benzene
Concen: 4.961 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Tgt Ion: 78 Resp: 26284
Ion Ratio Lower Upper
78 100
77 24.7 18.2 27.2





#50

Toluene-d8

Concen: 49.465 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

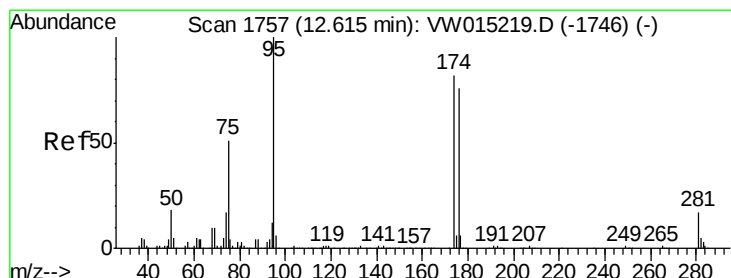
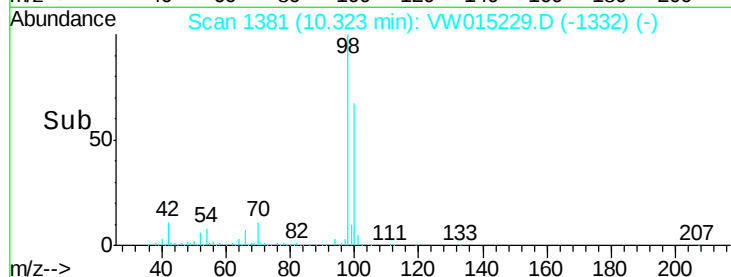
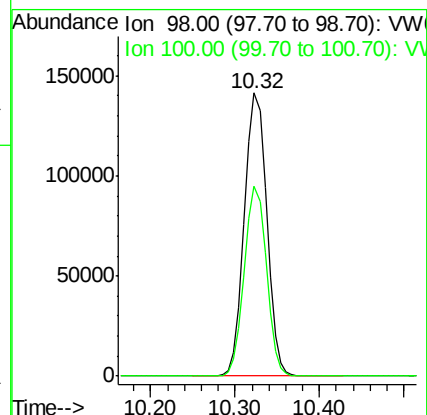
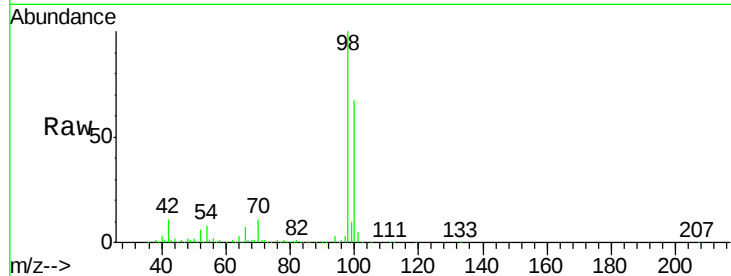
WB-9-2

Tot Ion: 98 Resp: 253279

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 38.538 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

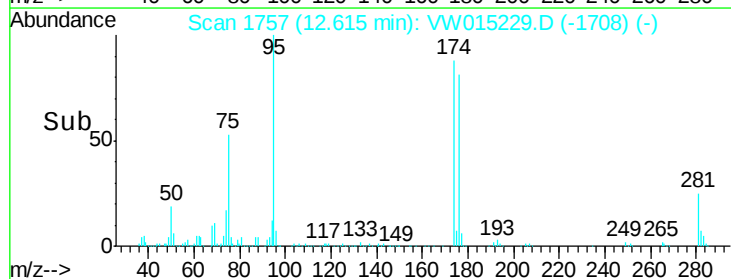
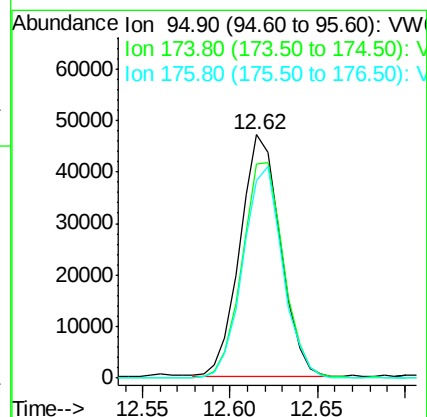
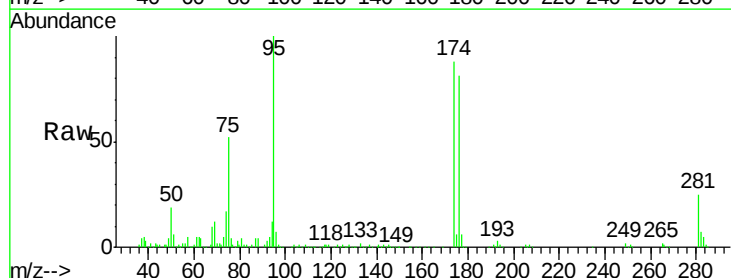
Tgt Ion: 95 Resp: 75290

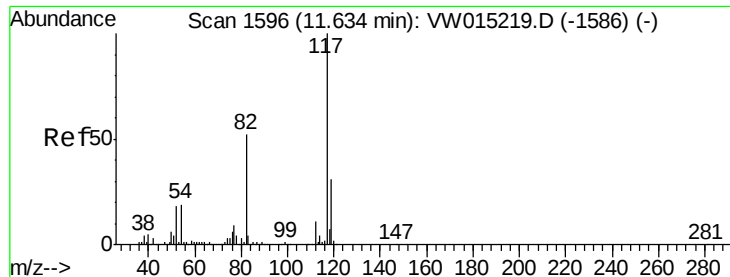
Ion Ratio Lower Upper

95 100

174 92.2 0.0 144.4

176 86.1 0.0 140.6

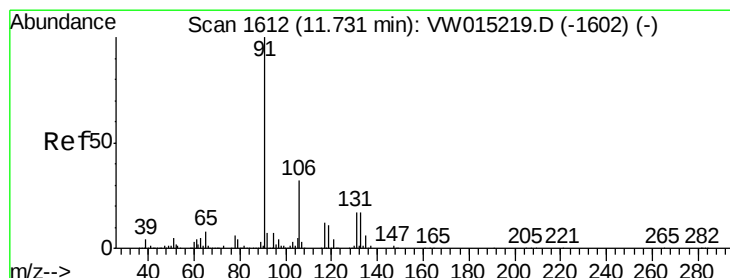
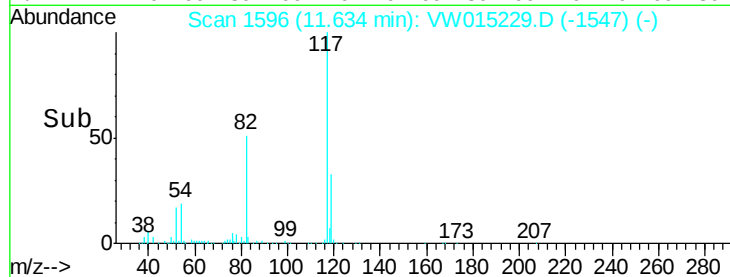
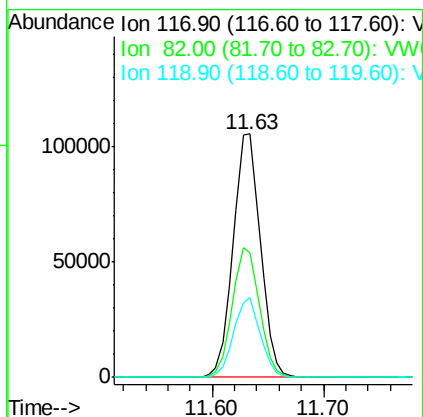
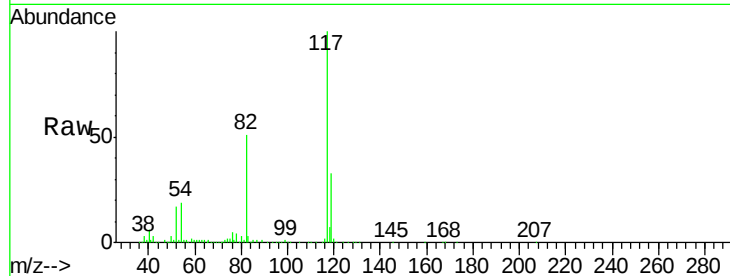




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

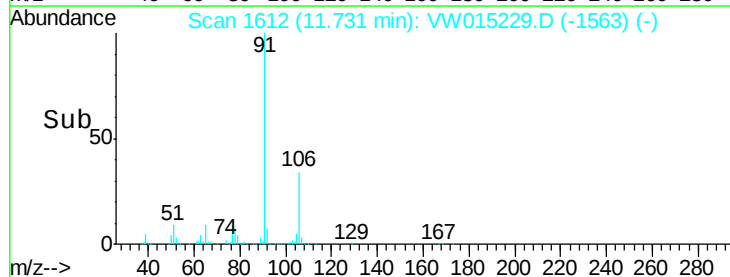
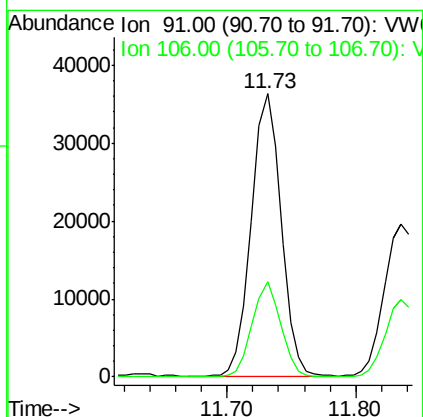
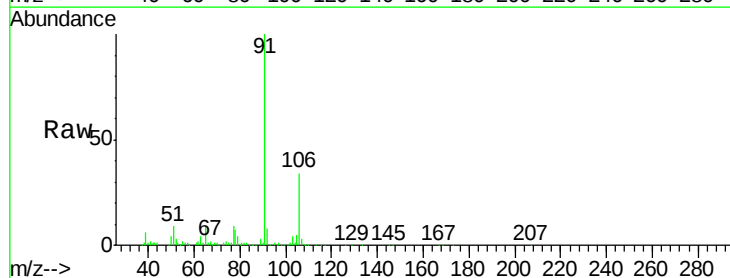
Instrument :
MSVOA_W
ClientSampled :
WB-9-2

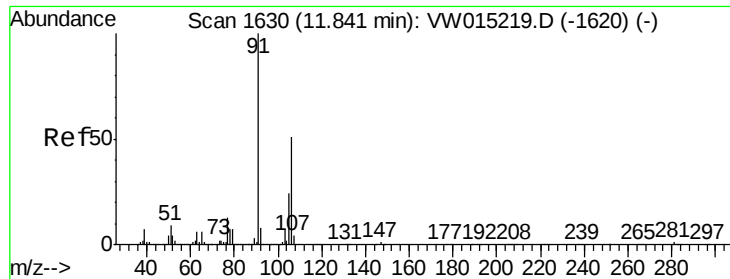
Tot Ion:117 Resp: 178859
Ion Ratio Lower Upper
117 100
82 51.0 44.1 66.1
119 32.7 24.9 37.3



#67
Ethyl Benzene
Concen: 8.855 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Tgt Ion: 91 Resp: 57958
Ion Ratio Lower Upper
91 100
106 33.9 25.7 38.5

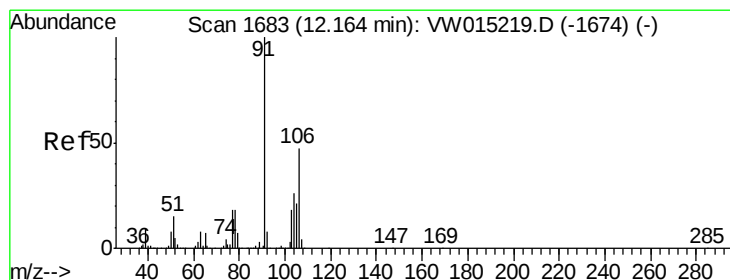
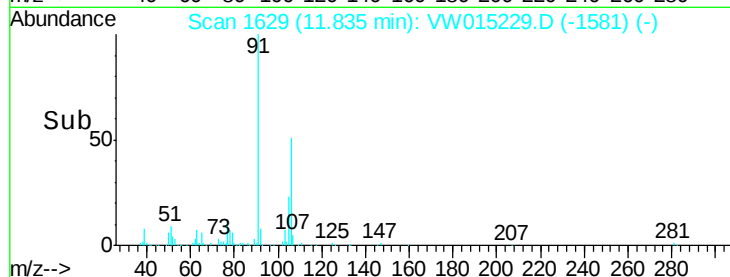
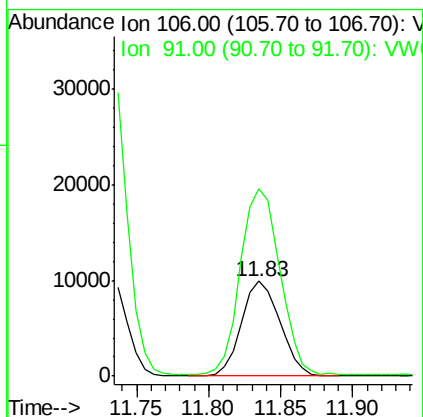
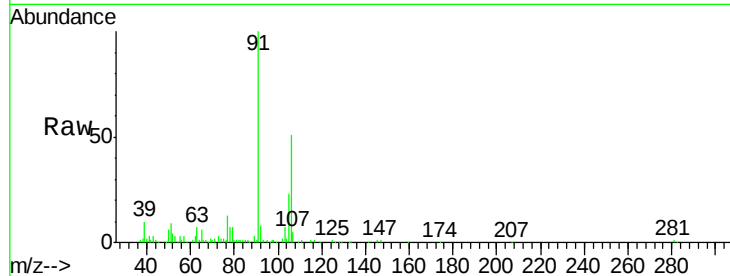




#68
m/p-Xylenes
Concen: 7.213 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

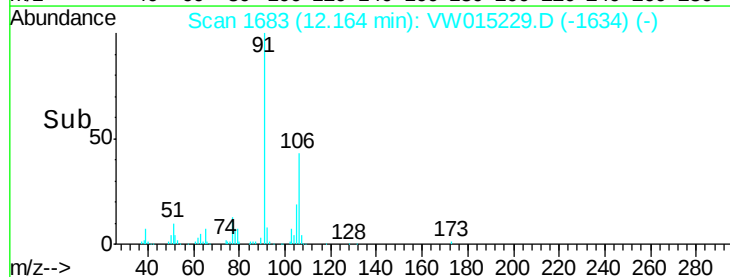
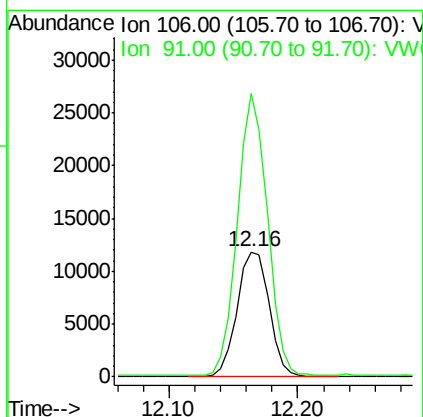
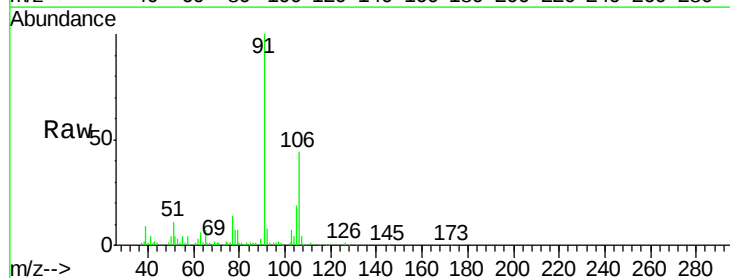
Instrument :
MSVOA_W
ClientSampleId :
WB-9-2

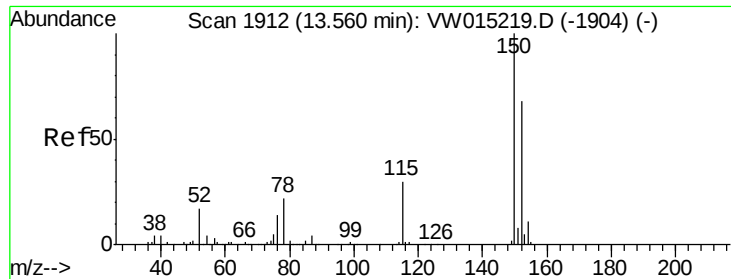
Tot Ion:106 Resp: 18505
Ion Ratio Lower Upper
106 100
91 202.5 160.0 240.0



#69
o-Xylene
Concen: 8.538 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Tgt Ion:106 Resp: 20445
Ion Ratio Lower Upper
106 100
91 210.3 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

WB-9-2

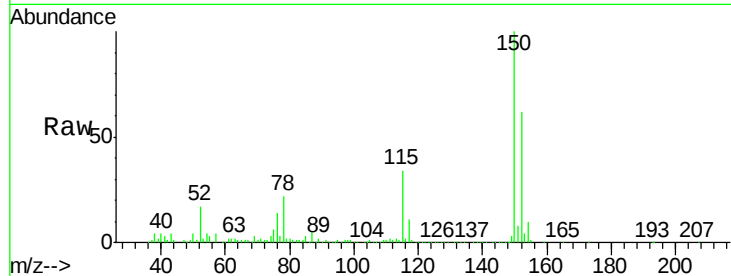
Tot Ion:152 Resp: 71592

Ion Ratio Lower Upper

152 100

115 56.6 31.3 93.9

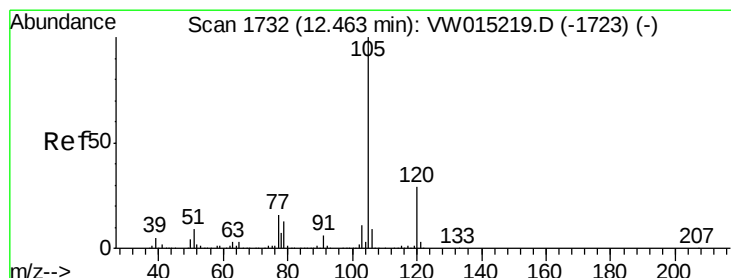
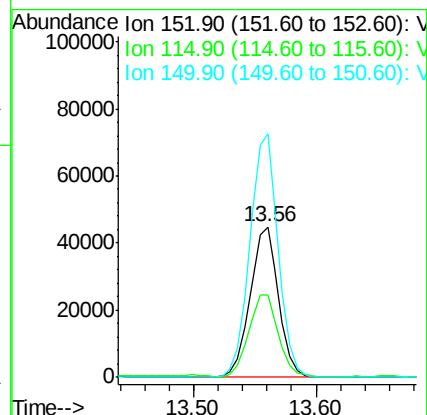
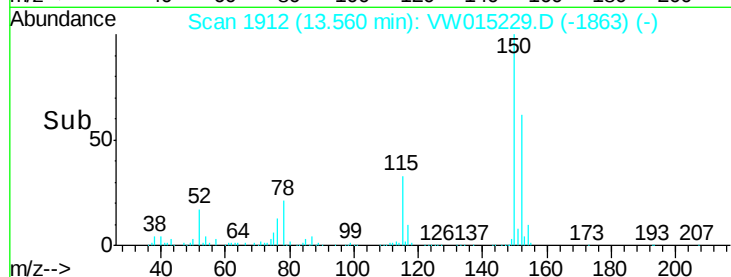
150 162.1 0.0 343.4



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



#73

Isopropylbenzene

Concen: 22.407 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015229.D

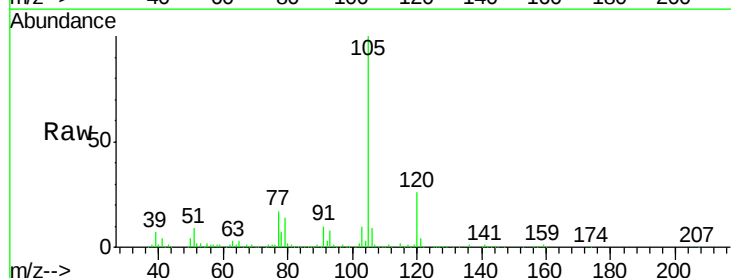
Acq: 20 Apr 2020 18:00

Tgt Ion:105 Resp: 111223

Ion Ratio Lower Upper

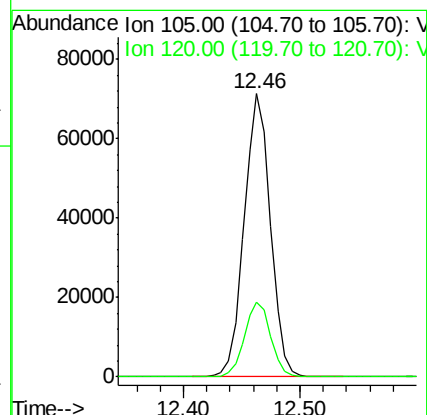
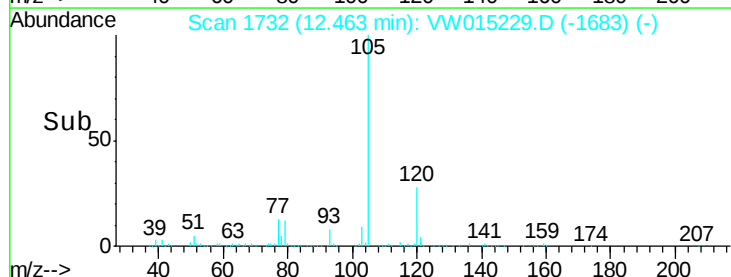
105 100

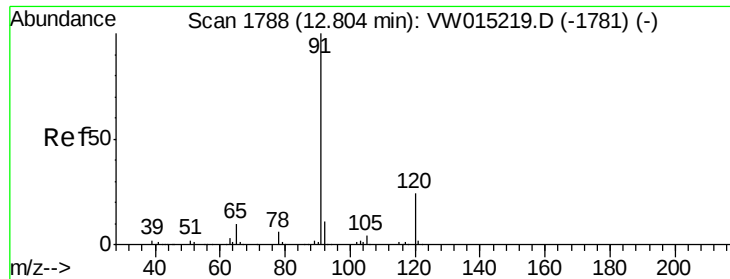
120 26.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

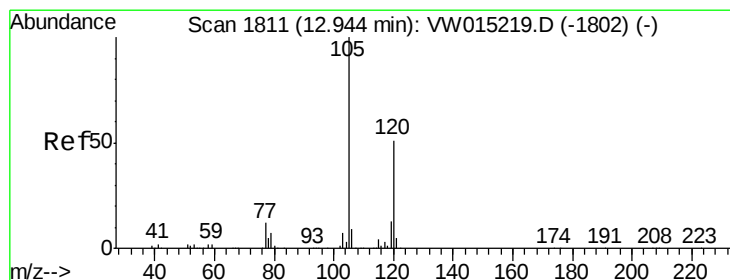
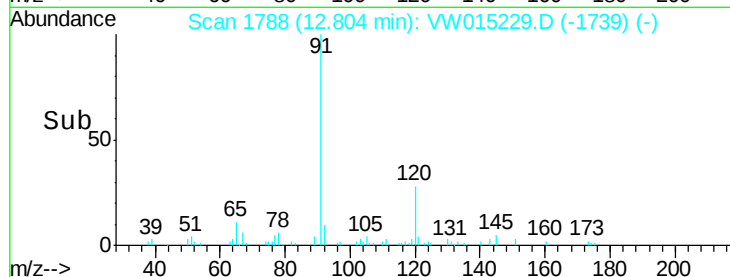
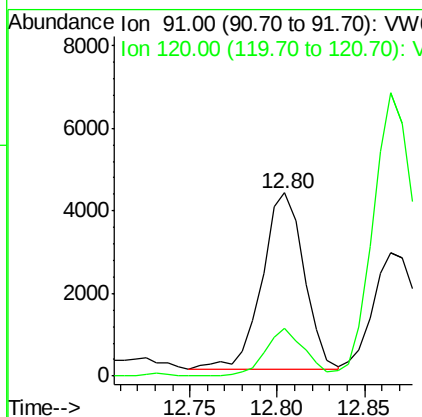
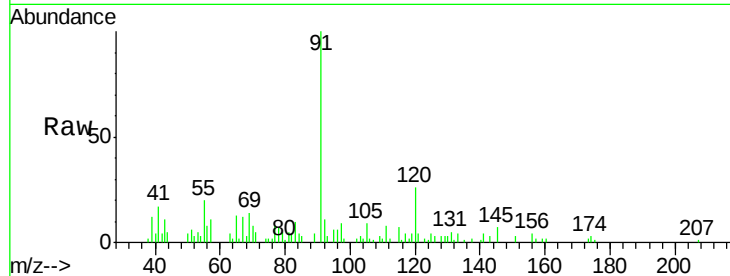




#78
n-propylbenzene
Concen: 1.234 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

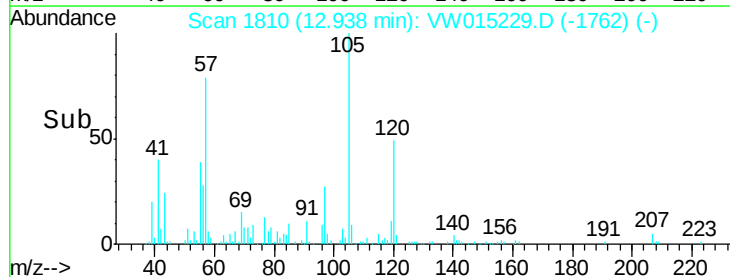
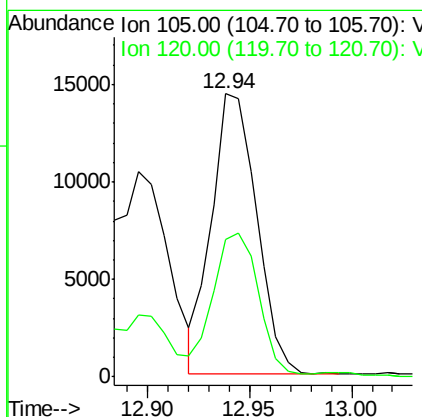
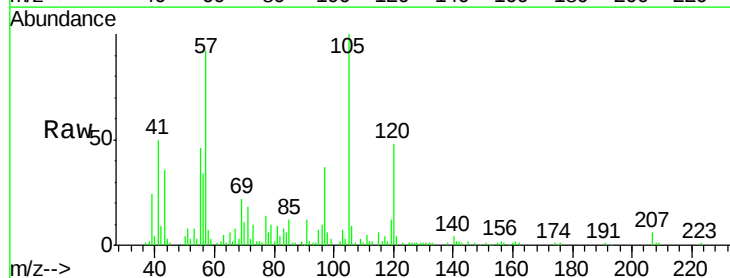
Instrument :
MSVOA_W
ClientSampled :
WB-9-2

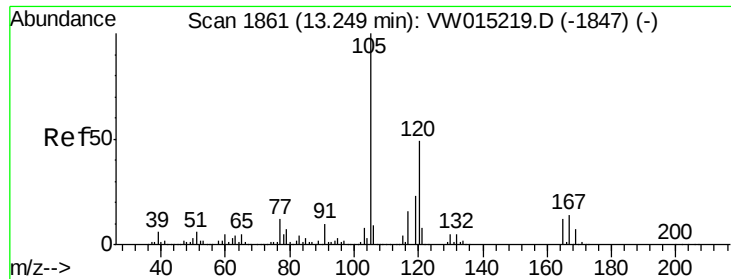
Tot Ion: 91 Resp: 7129
Ion Ratio Lower Upper
91 100
120 25.4 11.4 34.1



#80
1,3,5-Trimethylbenzene
Concen: 5.162 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW015229.D
Acq: 20 Apr 2020 18:00

Tgt Ion:105 Resp: 22071
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.8

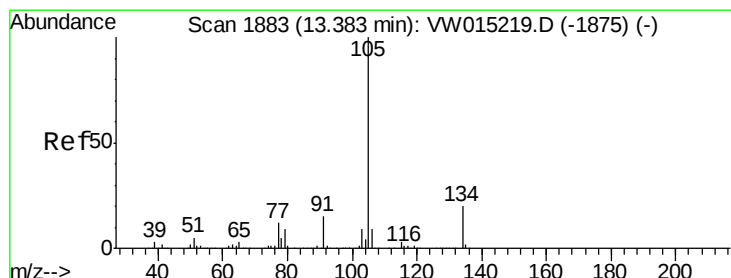
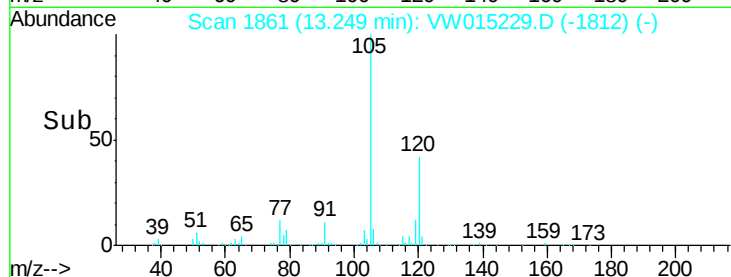
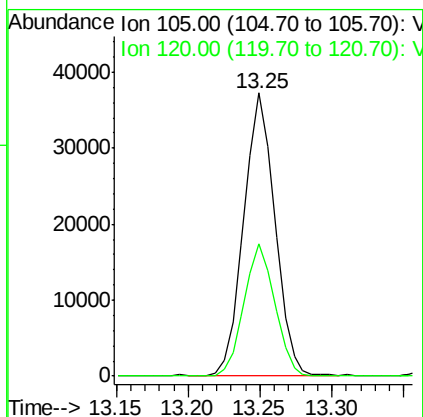
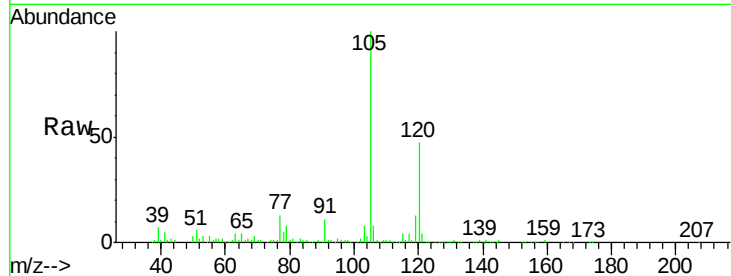




#84
 1,2,4-Trimethylbenzene
 Concen: 13.221 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015229.D
 Acq: 20 Apr 2020 18:00

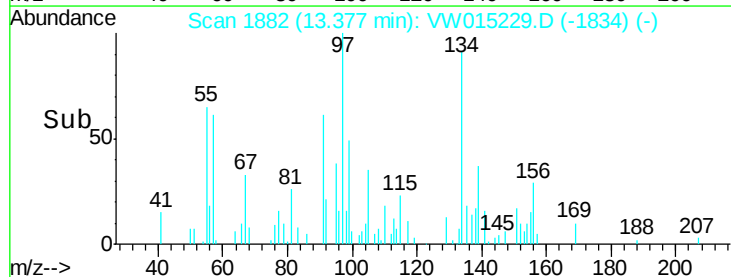
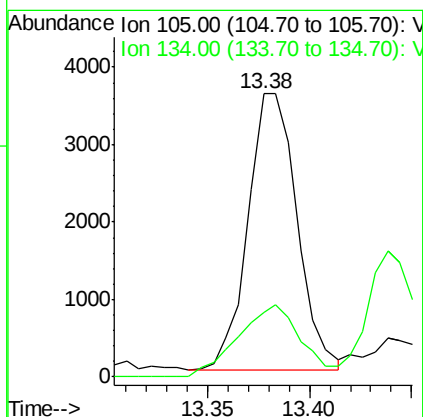
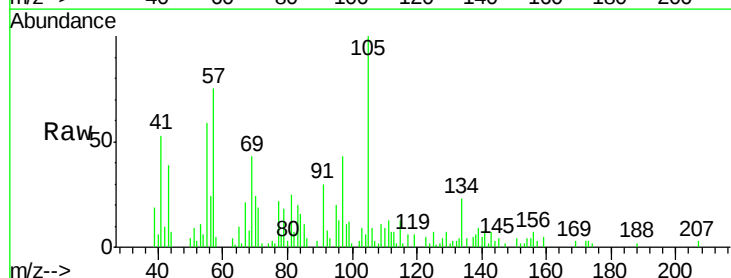
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-9-2

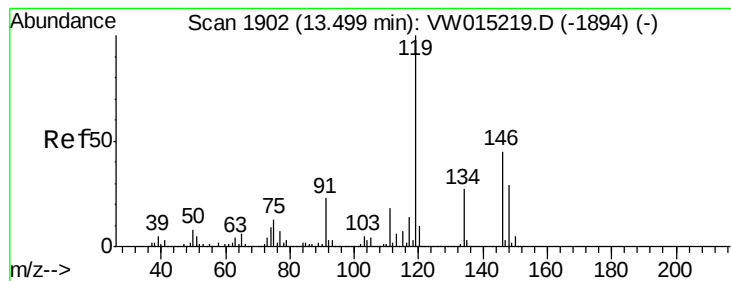
Tot Ion:105 Resp: 55758
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 1.157 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW015229.D
 Acq: 20 Apr 2020 18:00

Tgt Ion:105 Resp: 5971
 Ion Ratio Lower Upper
 105 100
 134 33.6 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 1.875 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

WB-9-2

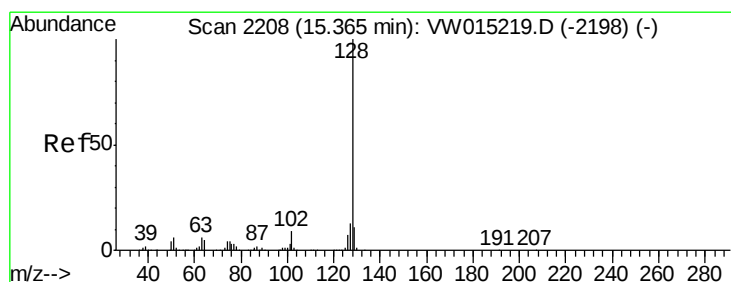
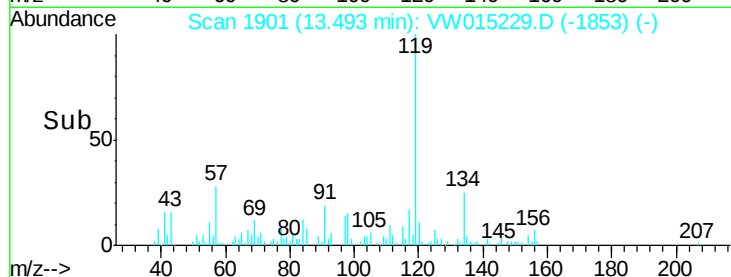
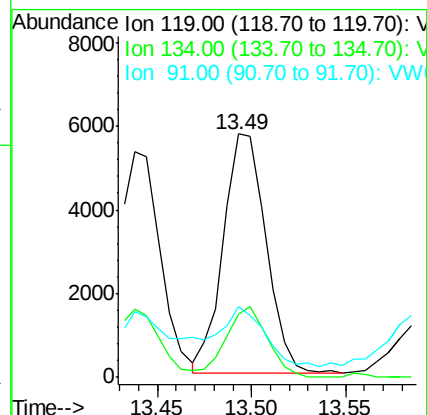
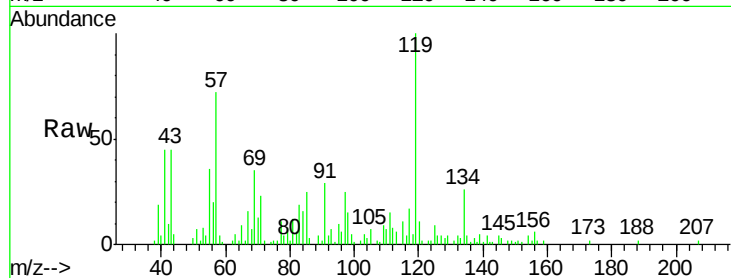
Tot Ion:119 Resp: 8993

Ion Ratio Lower Upper

119 100

134 28.8 13.3 39.9

91 24.8 12.0 36.1



#95

Naphthalene

Concen: 150.656 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015229.D

Acq: 20 Apr 2020 18:00

Tgt Ion:128 Resp: 331684

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.6 12.8

