

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008220.D
 Acq On : 12 Jan 2019 04:55
 Operator : SY/VA
 Sample : K1119-05
 Misc : 5.40G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DS-C

Quant Time: Jan 12 05:38:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71846	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	55870	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	7.88	113	54229	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
50) Toluene-d8	10.32	98	223663	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	75779	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

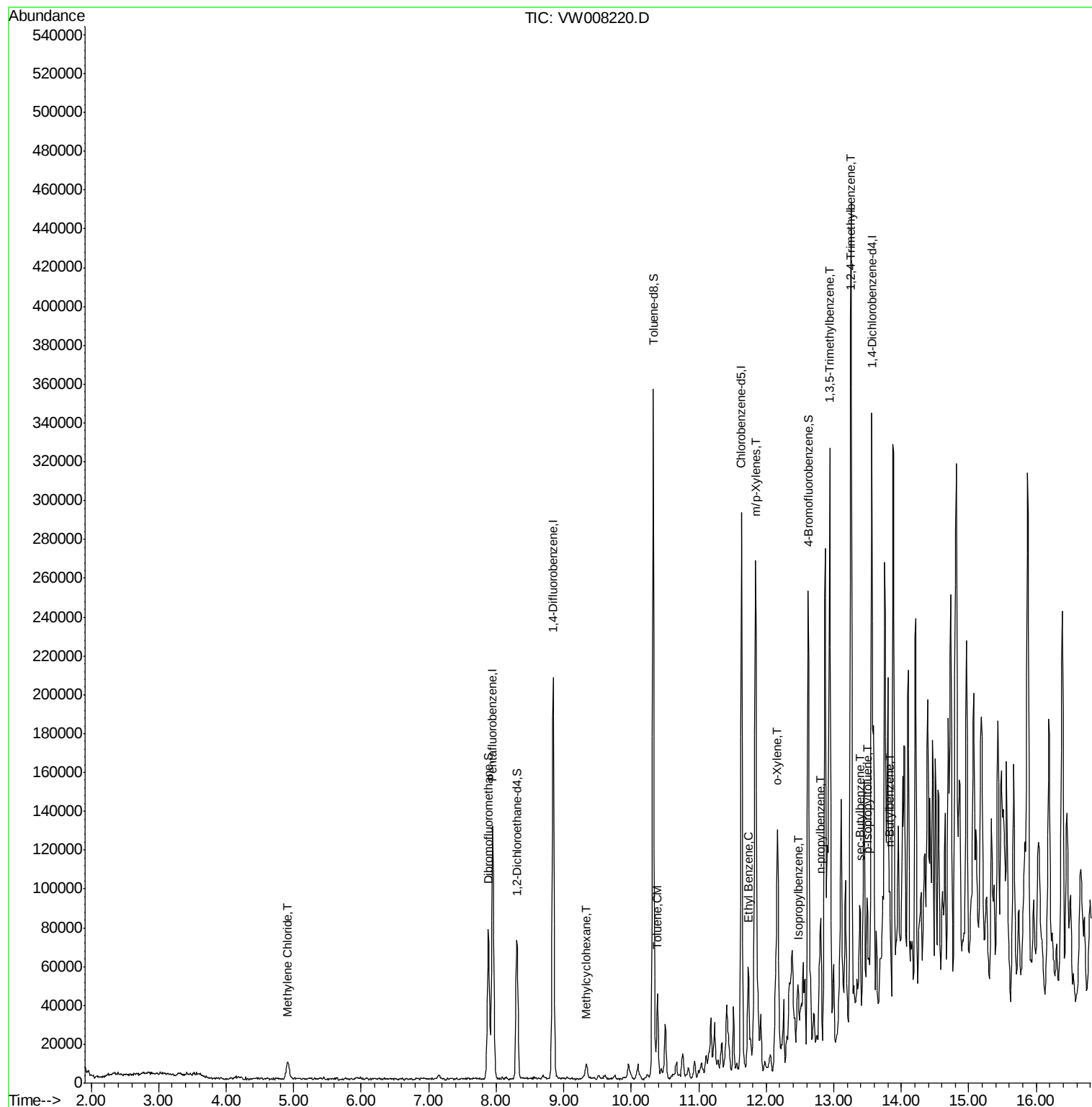
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.92	84	6994	2.110	ug/l	92
39) Methylcyclohexane	9.34	83	2791	1.246	ug/l #	69
52) Toluene	10.39	92	18659	6.100	ug/l	99
67) Ethyl Benzene	11.73	91	33641	5.434	ug/l	99
68) m/p-Xylenes	11.84	106	53500	22.641	ug/l	100
69) o-Xylene	12.17	106	28636	13.086	ug/l	98
73) Isopropylbenzene	12.47	105	16232	2.878	ug/l	99
78) n-propylbenzene	12.81	91	46454	6.721	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	62534	13.491	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	223649	46.782	ug/l	98
85) sec-Butylbenzene	13.39	105	29727	4.949	ug/l	88
86) p-Isopropyltoluene	13.50	119	14163	2.730	ug/l	97
89) n-Butylbenzene	13.83	91	23376	4.601	ug/l #	74

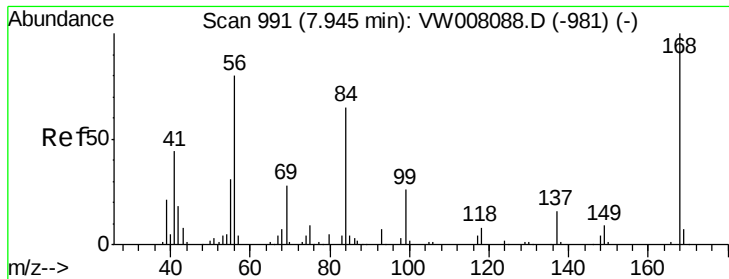
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

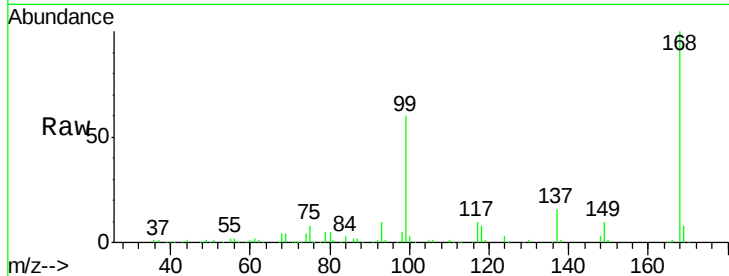
DS-C

Tot Ion:168 Resp: 94123

Ion Ratio Lower Upper

168 100

99 60.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

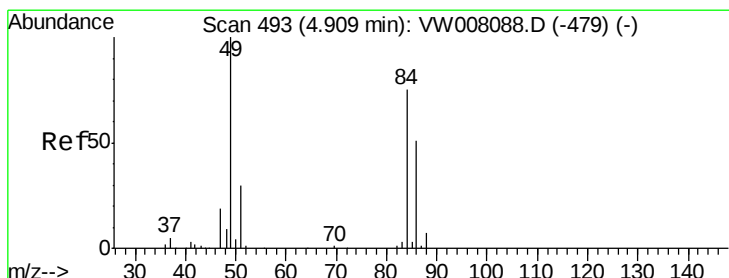
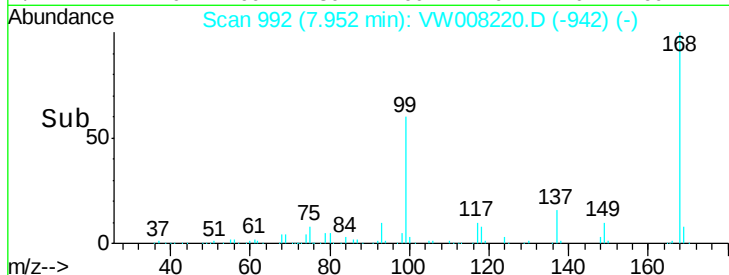
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 2.110 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Tgt Ion: 84 Resp: 6994

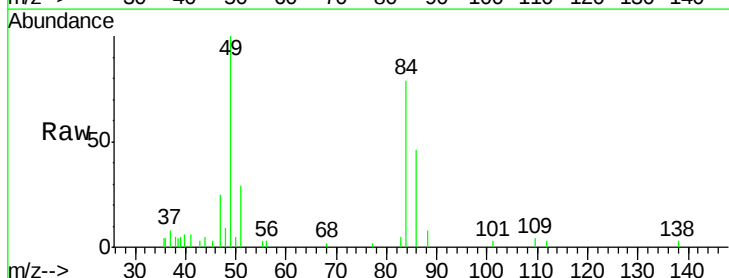
Ion Ratio Lower Upper

84 100

49 125.8 107.1 160.7

51 36.0 32.4 48.6

86 58.5 54.2 81.4



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

4000

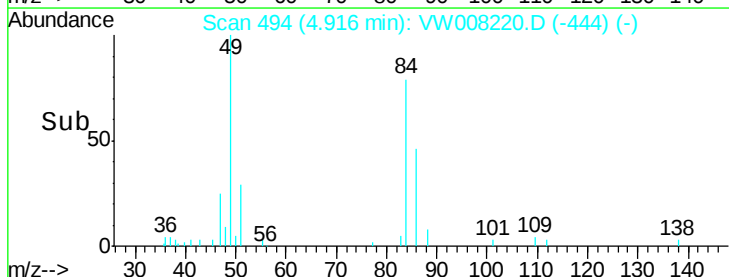
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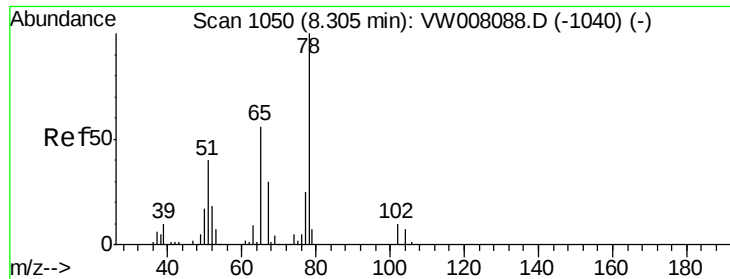
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.814 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

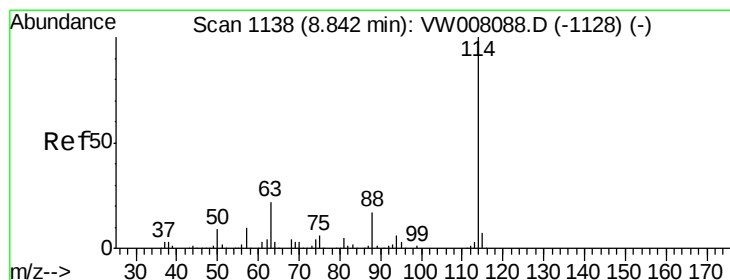
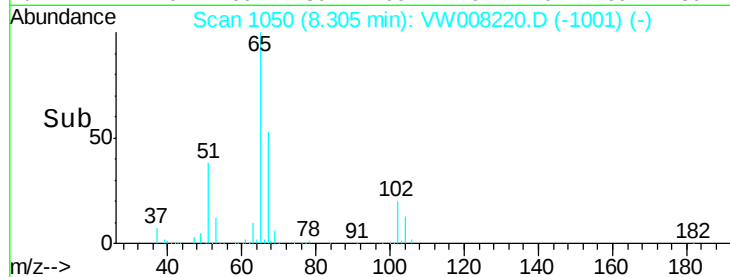
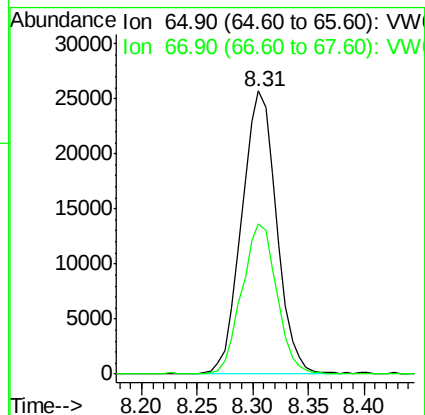
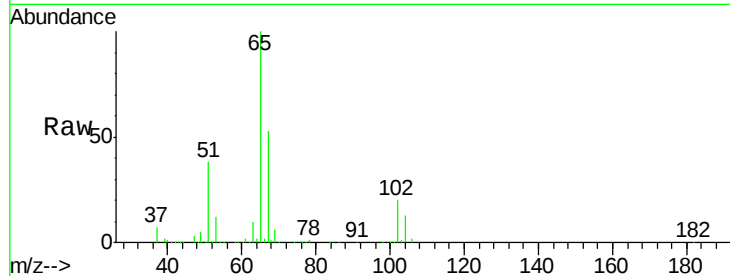
DS-C

Tot Ion: 65 Resp: 55870

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

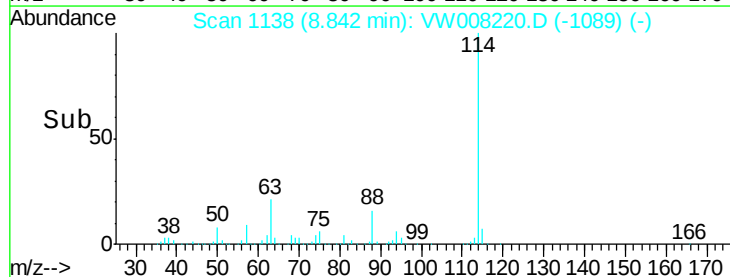
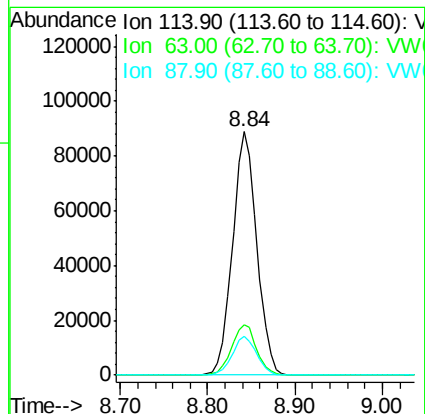
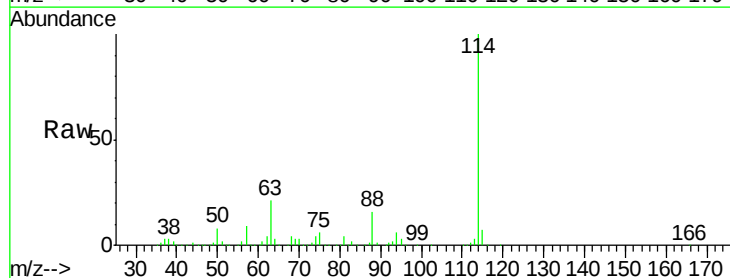
Tgt Ion: 114 Resp: 171433

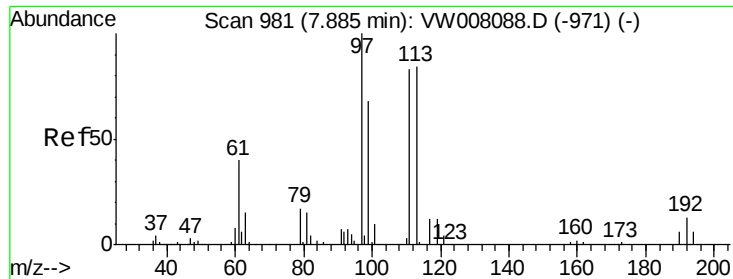
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 15.9 0.0 33.4

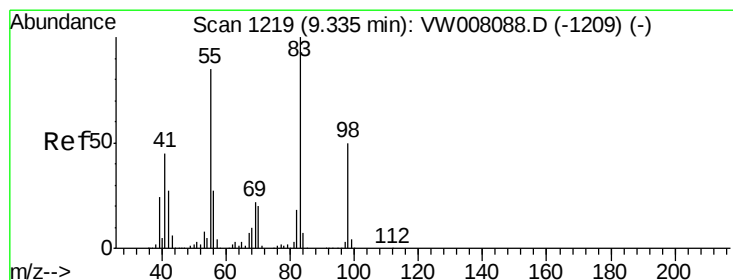
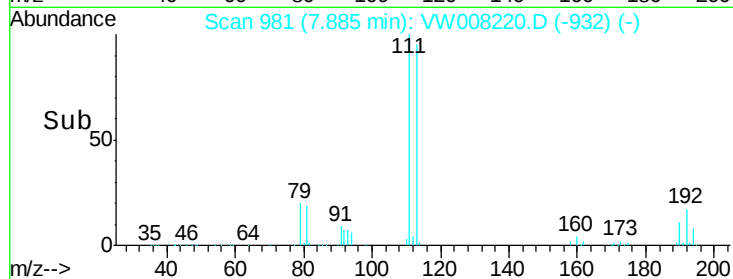
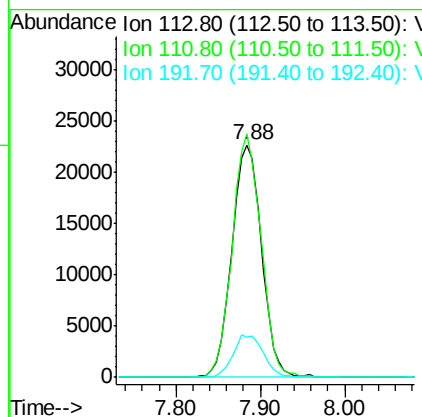
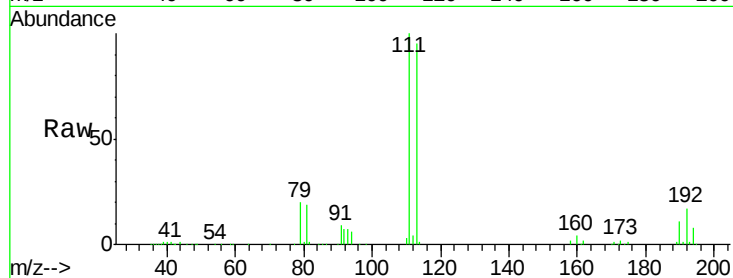




#35
 Dibromofluoromethane
 Concen: 54.236 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

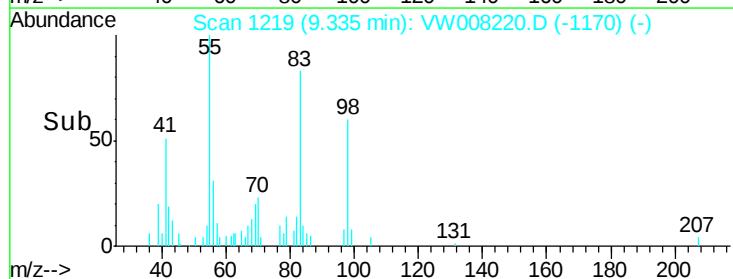
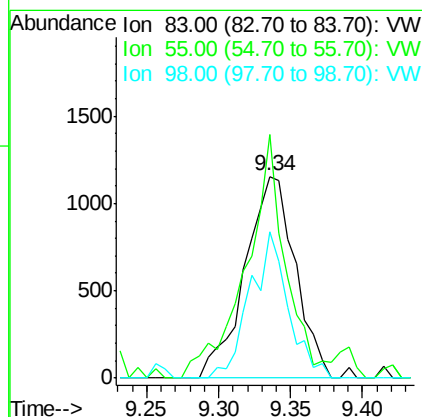
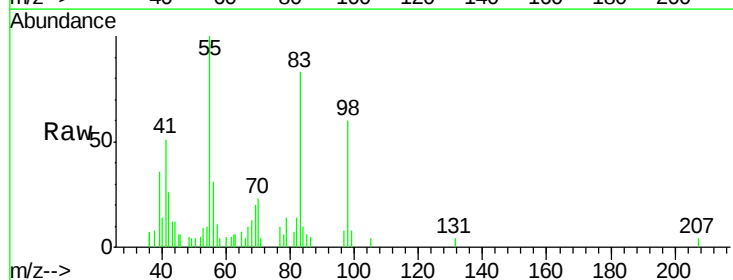
Instrument :
 MSVOA_W
 ClientSampled :
 DS-C

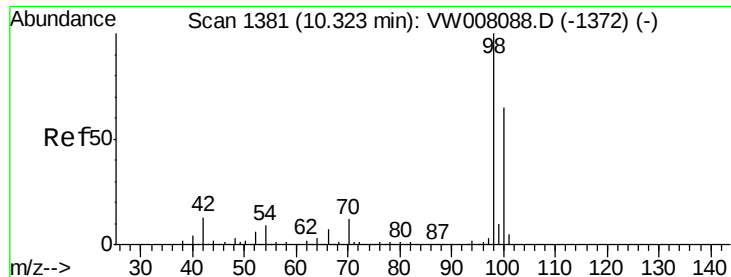
Tot Ion:113 Resp: 54229
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 18.5 12.8 19.2



#39
 Methylcyclohexane
 Concen: 1.246 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

Tgt Ion: 83 Resp: 2791
 Ion Ratio Lower Upper
 83 100
 55 112.5 67.8 101.6#
 98 72.3 40.2 60.4#





#50

Toluene-d8

Concen: 53.306 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampled :

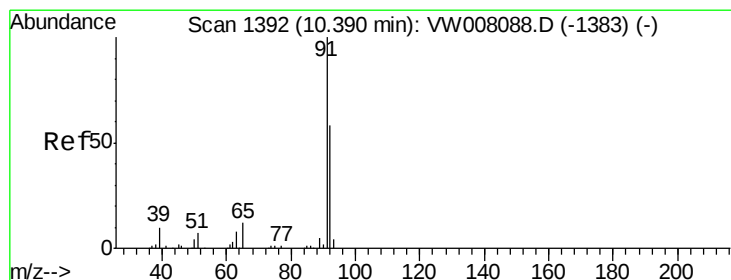
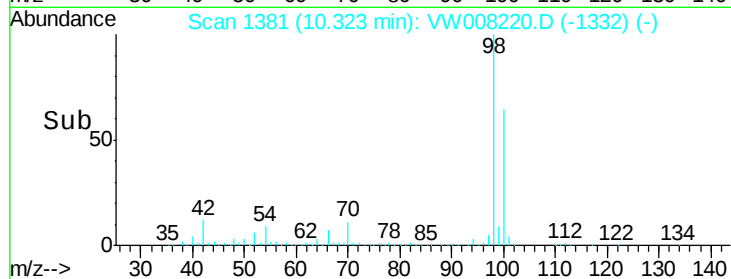
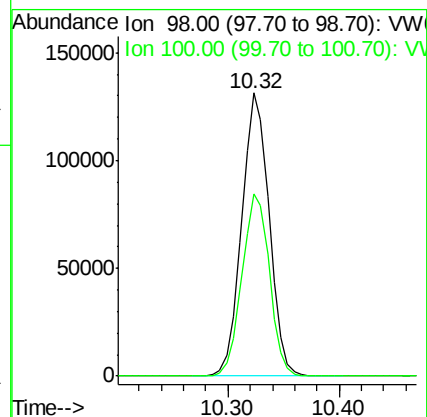
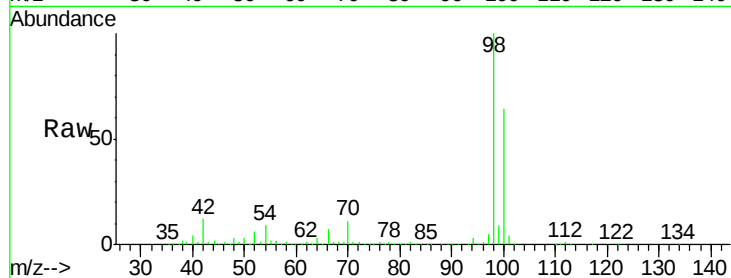
DS-C

Tot Ion: 98 Resp: 223663

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



#52

Toluene

Concen: 6.100 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008220.D

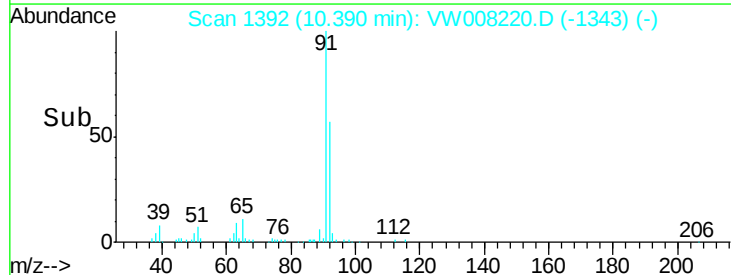
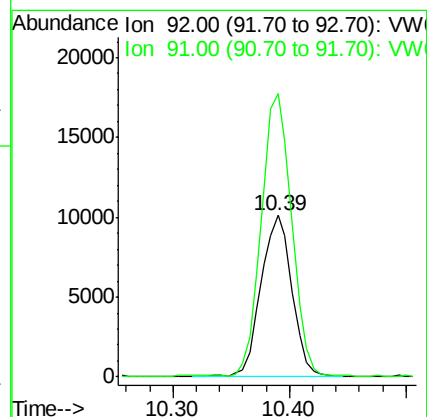
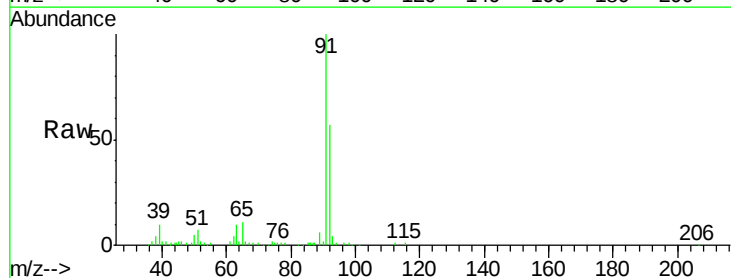
Acq: 12 Jan 2019 04:55

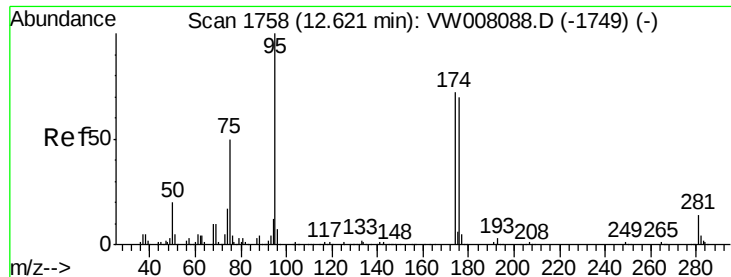
Tgt Ion: 92 Resp: 18659

Ion Ratio Lower Upper

92 100

91 172.7 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 50.379 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

DS-C

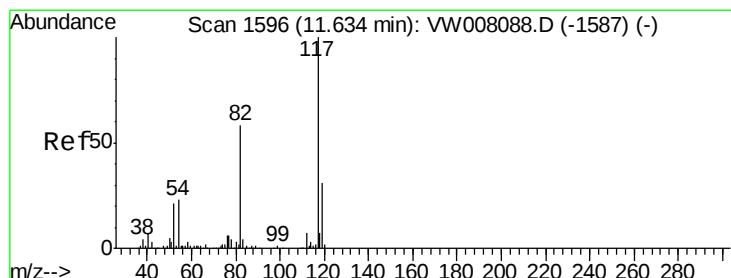
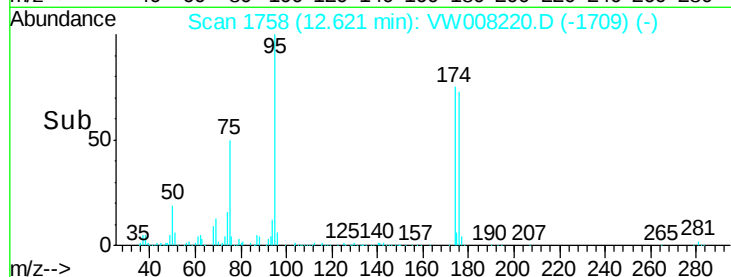
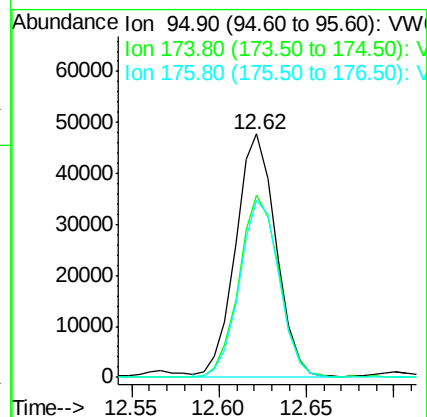
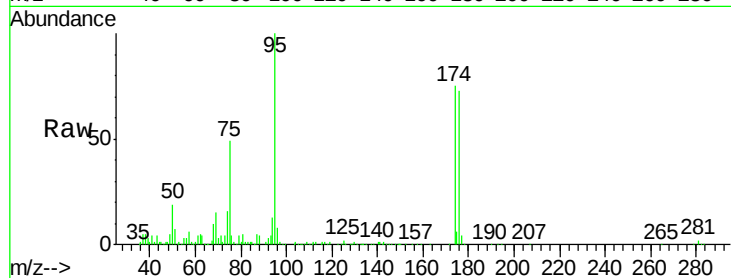
Tot Ion: 95 Resp: 75779

Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.0

176 72.4 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

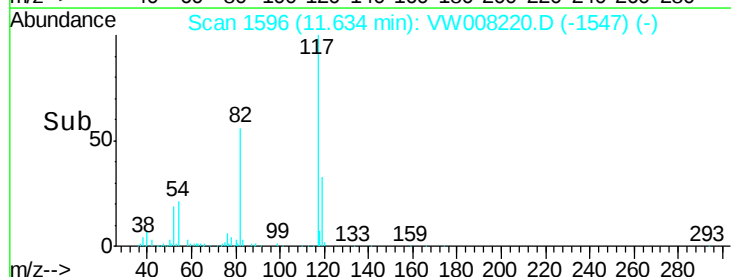
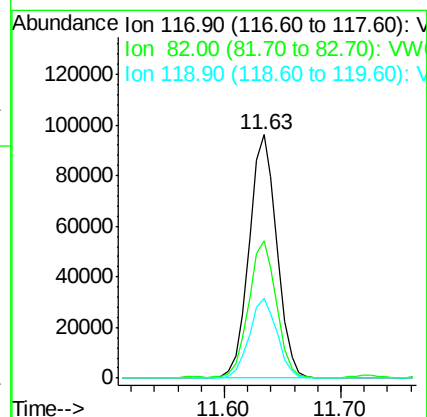
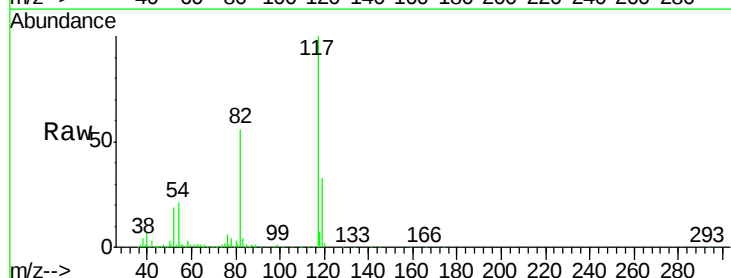
Tgt Ion: 117 Resp: 159708

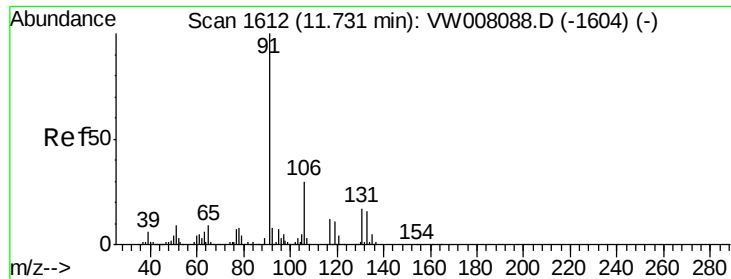
Ion Ratio Lower Upper

117 100

82 56.1 46.4 69.6

119 33.0 24.7 37.1

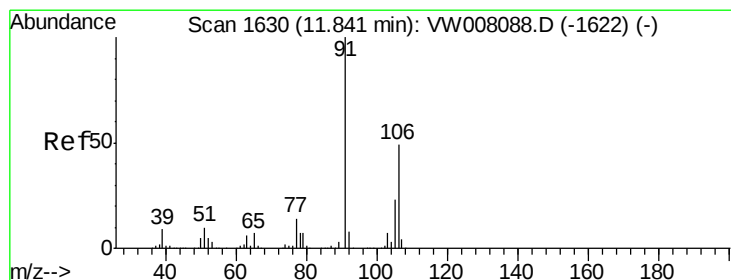
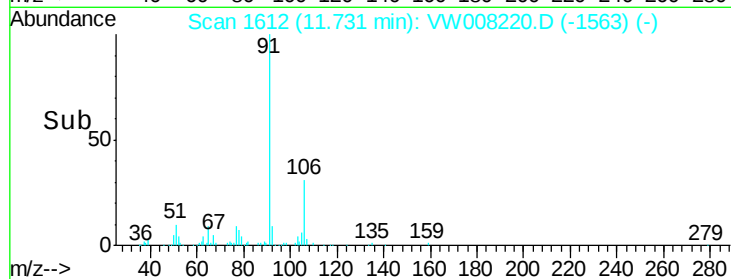
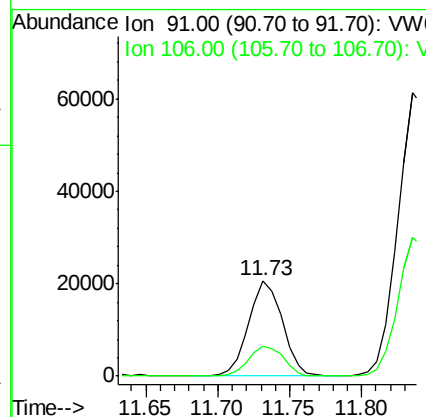
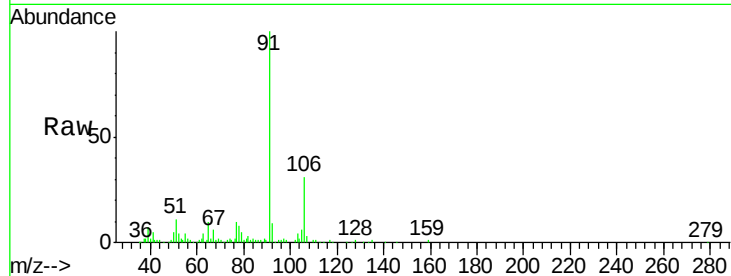




#67
Ethyl Benzene
Concen: 5.434 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008220.D
Acq: 12 Jan 2019 04:55

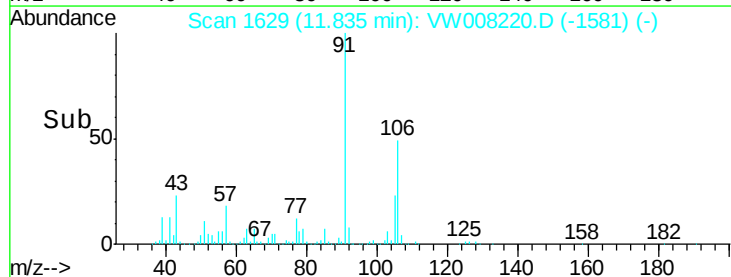
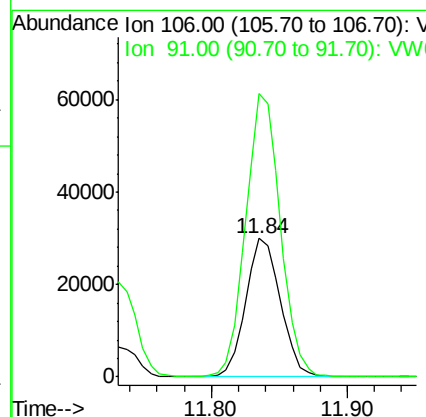
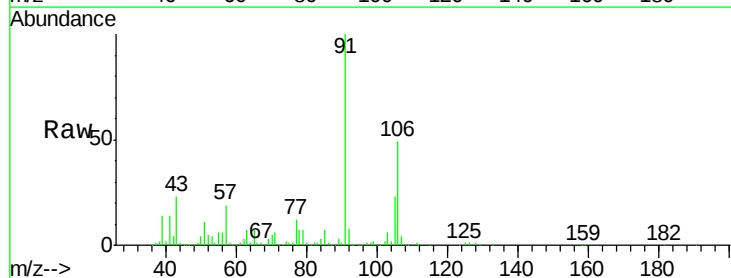
Instrument :
MSVOA_W
ClientSampled :
DS-C

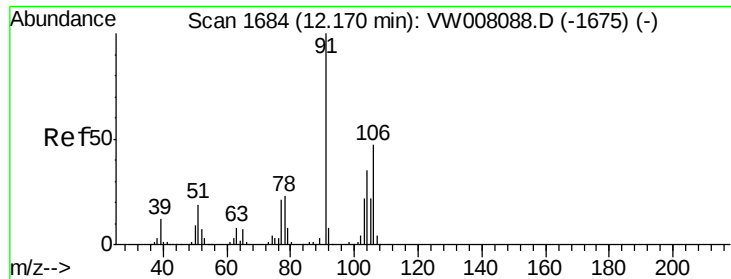
Tot Ion: 91 Resp: 33641
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4



#68
m/p-Xylenes
Concen: 22.641 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008220.D
Acq: 12 Jan 2019 04:55

Tgt Ion: 106 Resp: 53500
Ion Ratio Lower Upper
106 100
91 202.9 162.4 243.6

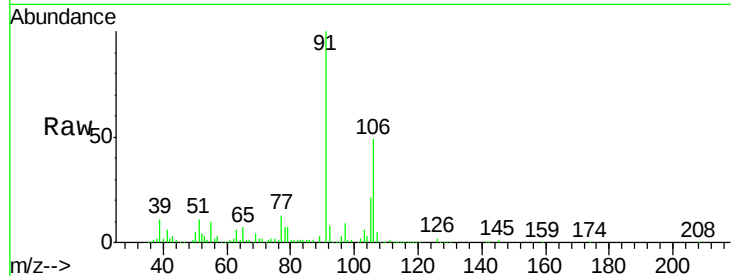




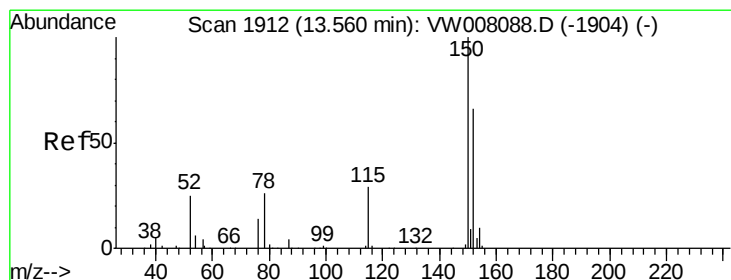
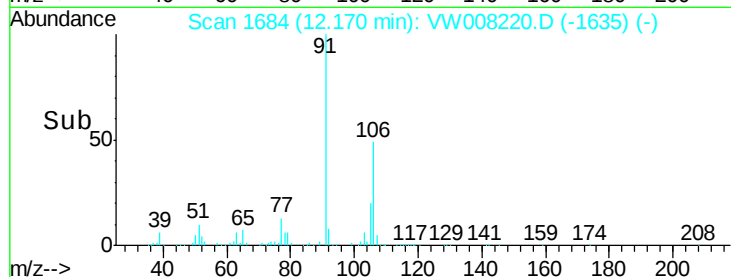
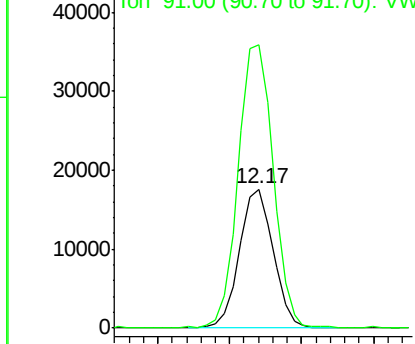
#69
o-Xylene
Concen: 13.086 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008220.D
Acq: 12 Jan 2019 04:55

Instrument :
MSVOA_W
ClientSampleId :
DS-C

Tot Ion:106 Resp: 28636
Ion Ratio Lower Upper
106 100
91 212.1 107.8 323.6

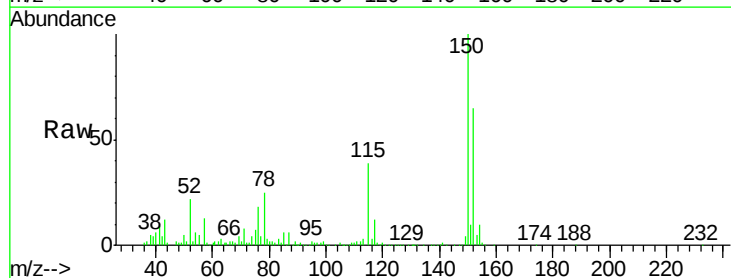


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

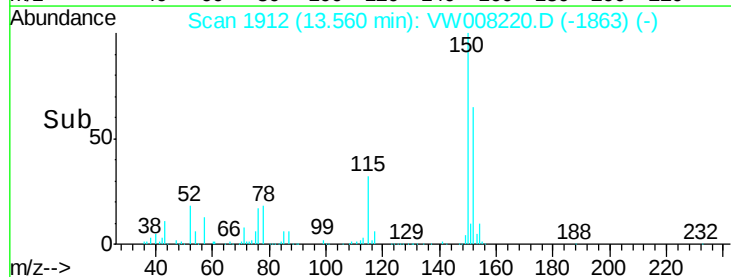
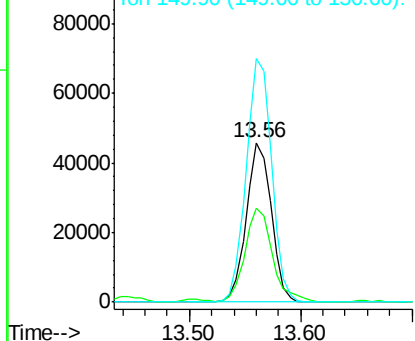


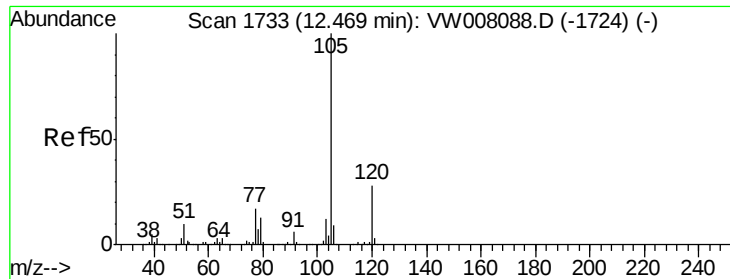
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008220.D
Acq: 12 Jan 2019 04:55

Tgt Ion:152 Resp: 71846
Ion Ratio Lower Upper
152 100
115 64.1 30.8 92.4
150 155.0 0.0 350.2



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: 2.878 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

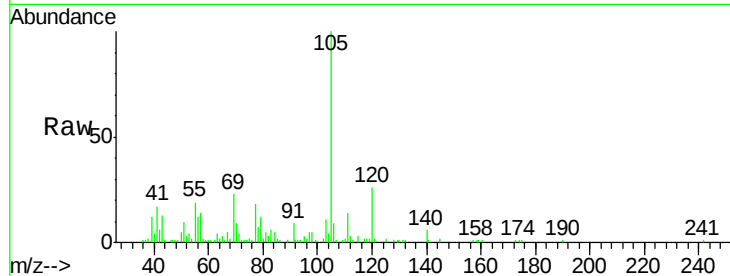
DS-C

Tot Ion:105 Resp: 16232

Ion Ratio Lower Upper

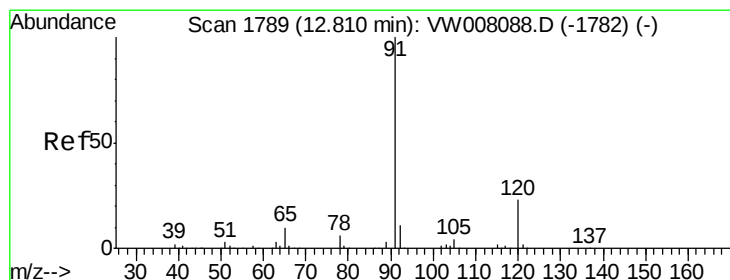
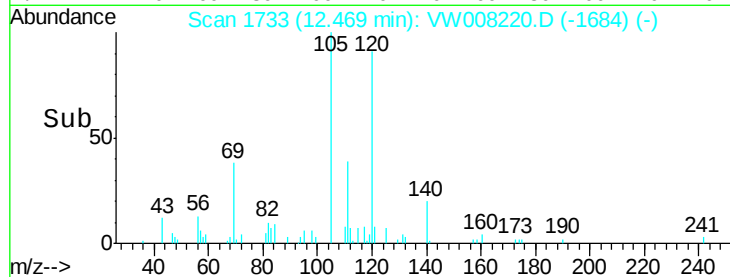
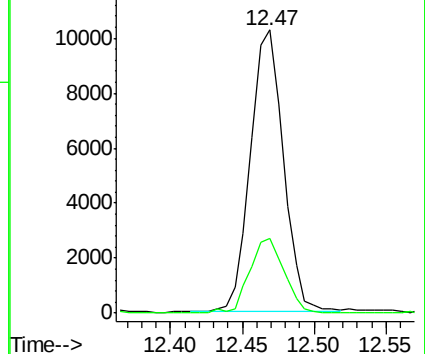
105 100

120 27.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.721 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008220.D

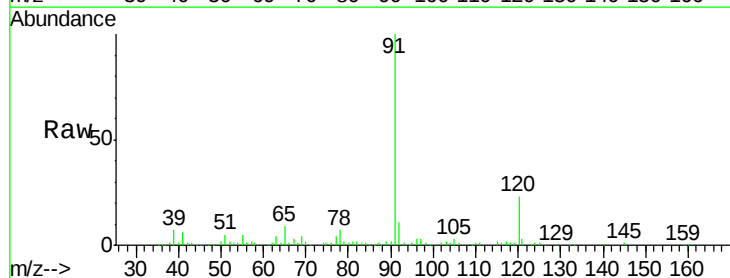
Acq: 12 Jan 2019 04:55

Tgt Ion: 91 Resp: 46454

Ion Ratio Lower Upper

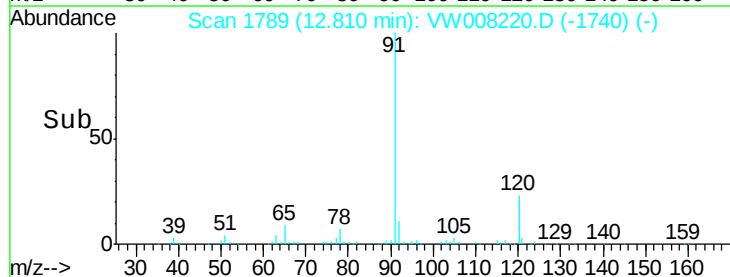
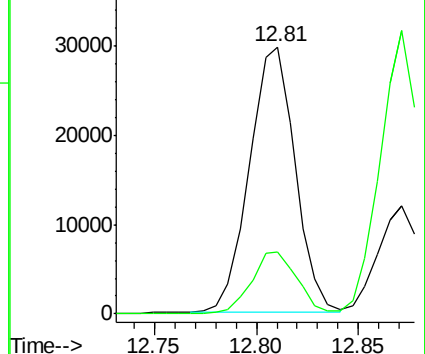
91 100

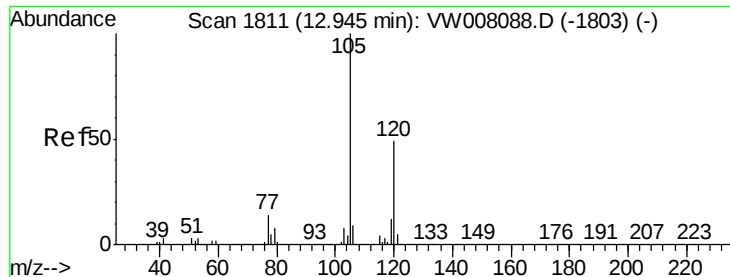
120 23.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

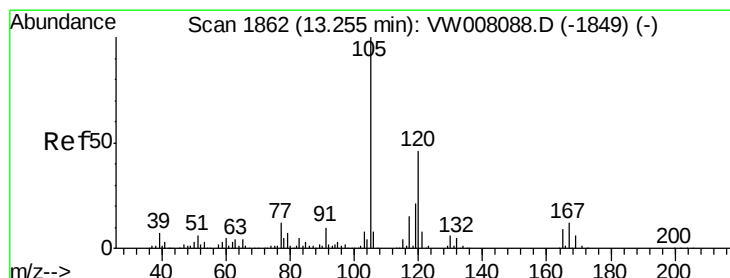
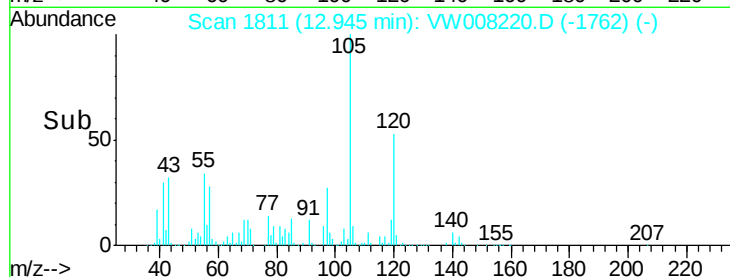
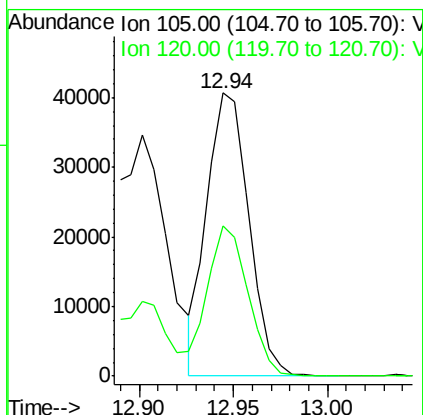
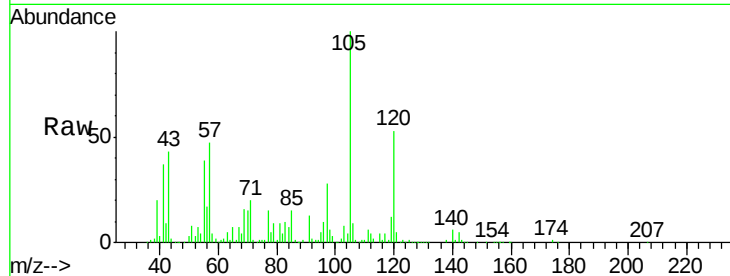




#80
 1,3,5-Trimethylbenzene
 Concen: 13.491 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

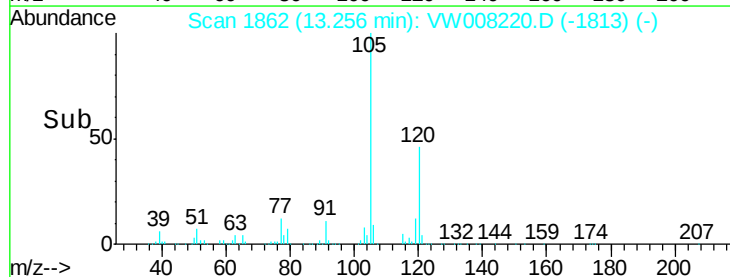
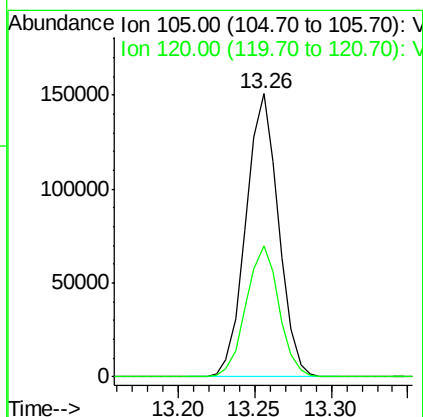
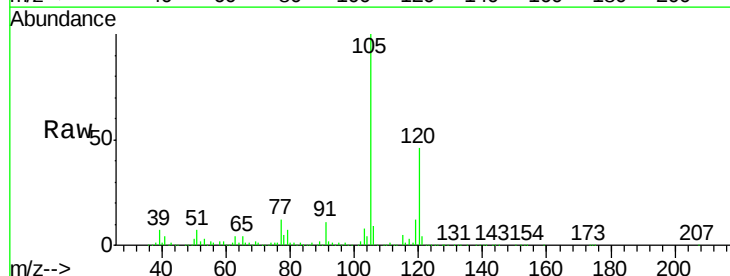
Instrument :
 MSVOA_W
 ClientSampled :
 DS-C

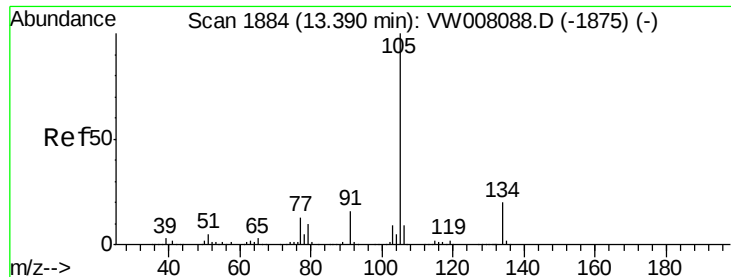
Tot Ion:105 Resp: 62534
 Ion Ratio Lower Upper
 105 100
 120 53.3 24.7 74.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.782 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

Tgt Ion:105 Resp: 223649
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.7 68.1

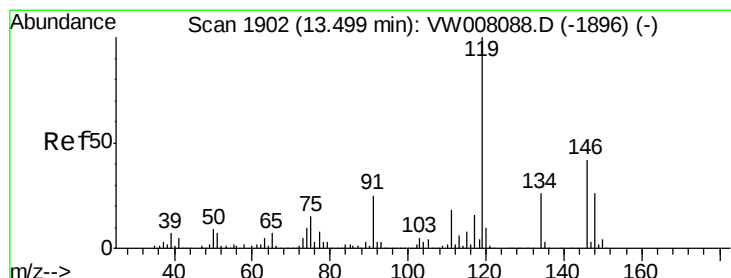
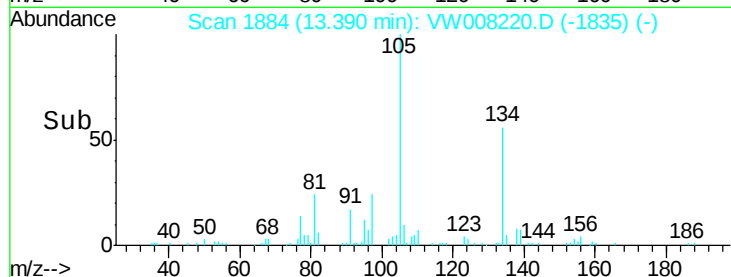
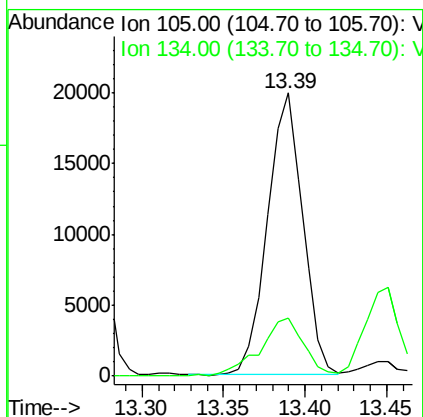
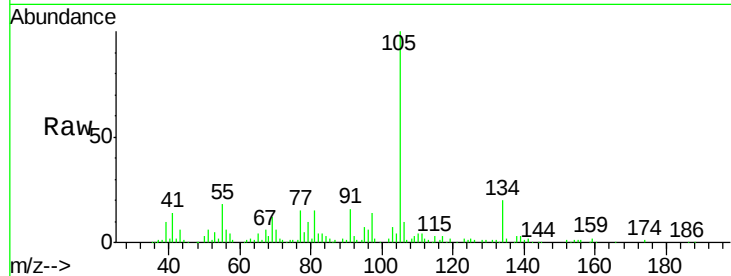




#85
 sec-Butylbenzene
 Concen: 4.949 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

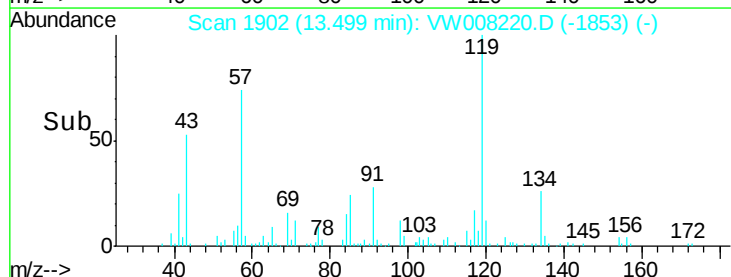
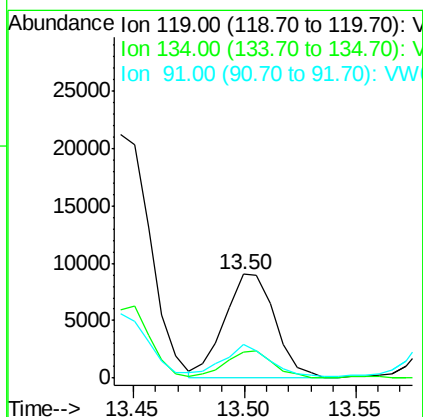
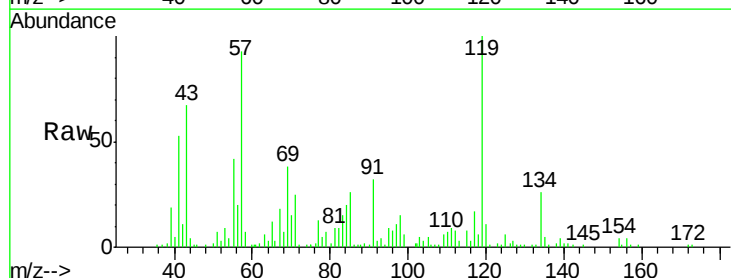
Instrument :
 MSVOA_W
 ClientSampled :
 DS-C

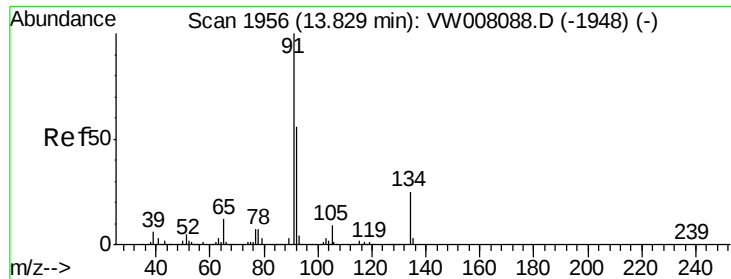
Tot Ion:105 Resp: 29727
 Ion Ratio Lower Upper
 105 100
 134 25.7 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.730 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008220.D
 Acq: 12 Jan 2019 04:55

Tgt Ion:119 Resp: 14163
 Ion Ratio Lower Upper
 119 100
 134 24.7 13.3 39.8
 91 26.2 12.3 36.9





#89

n-Butylbenzene

Concen: 4.601 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008220.D

Acq: 12 Jan 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

DS-C

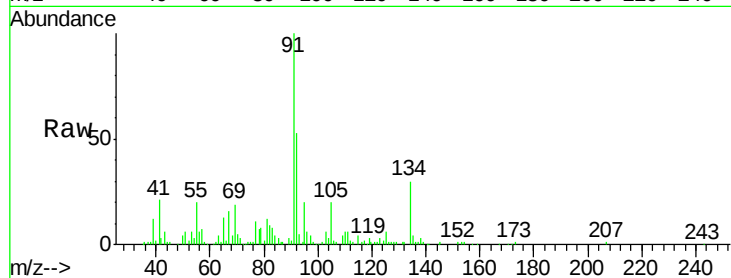
Tot Ion: 91 Resp: 23376

Ion Ratio Lower Upper

91 100

92 65.5 27.4 82.2

134 0.0 12.6 37.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

