

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010574.D
 Acq On : 28 May 2019 18:23
 Operator : SY/VA
 Sample : K3065-09
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-13-15-2.0

Quant Time: May 29 08:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	40173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	69445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	61611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28824	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	21340	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	20051	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.32	98	85342	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.62	95	31649	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

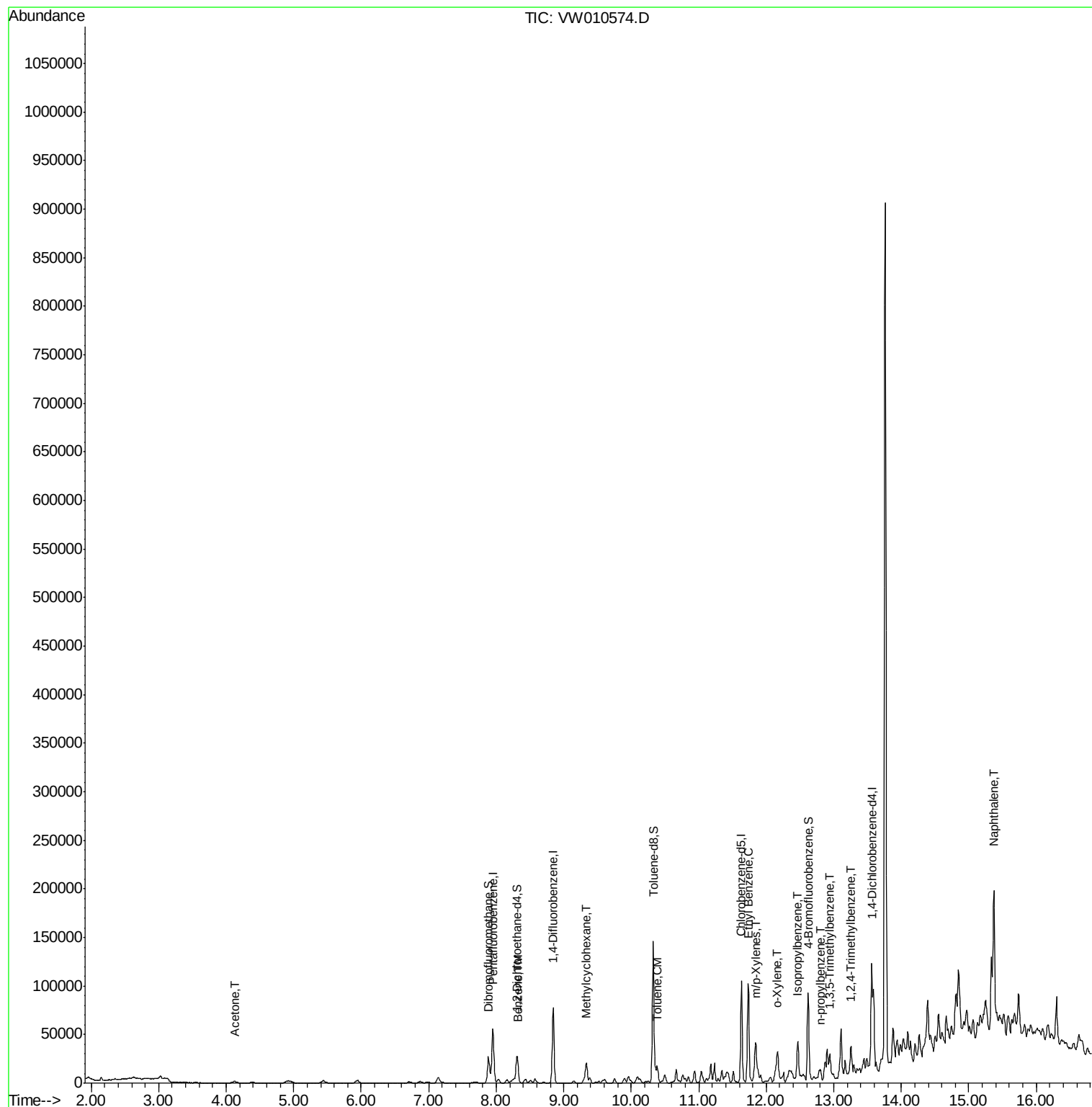
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	2991	35.338	ug/l #	85
39) Methylcyclohexane	9.34	83	8025	9.259	ug/l	95
40) Benzene	8.33	78	2922	1.625	ug/l	97
52) Toluene	10.39	92	7739	6.409	ug/l	97
67) Ethyl Benzene	11.73	91	74019	31.928	ug/l	100
68) m/p-Xylenes	11.84	106	12021	13.220	ug/l	97
69) o-Xylene	12.17	106	8298	9.632	ug/l	98
73) Isopropylbenzene	12.47	105	25792	11.276	ug/l	99
78) n-propylbenzene	12.80	91	8249	3.095	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	6492	3.351	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	16664	8.637	ug/l	99
95) Naphthalene	15.37	128	135540	103.716	ug/l	99

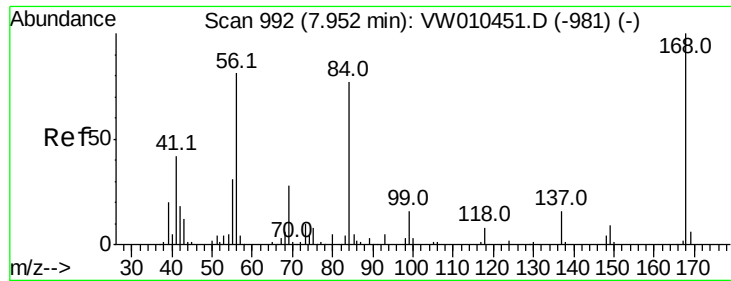
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
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MSVOA_W
ClientSampleId :
B-13-1.5-2.0

Quant Time: May 29 08:09:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
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: VW010574.D

Acq: 28 May 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

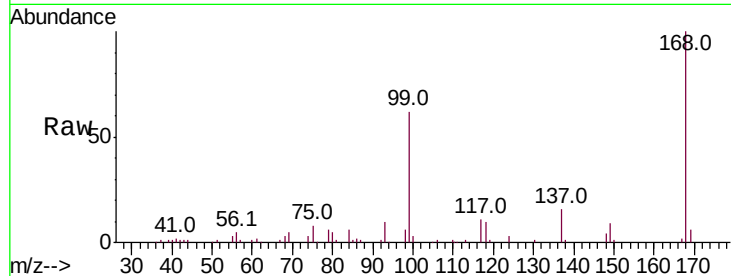
B-13-1.5-2.0

Tot Ion:168 Resp: 40173

Ion Ratio Lower Upper

168 100

99 61.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

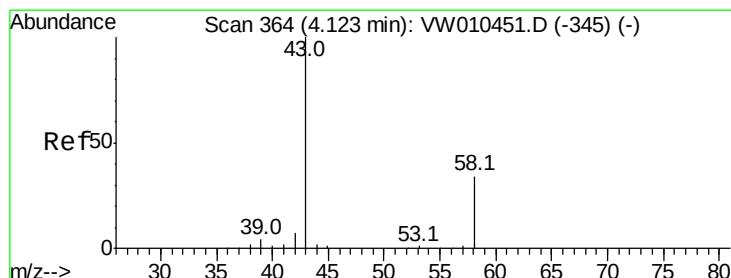
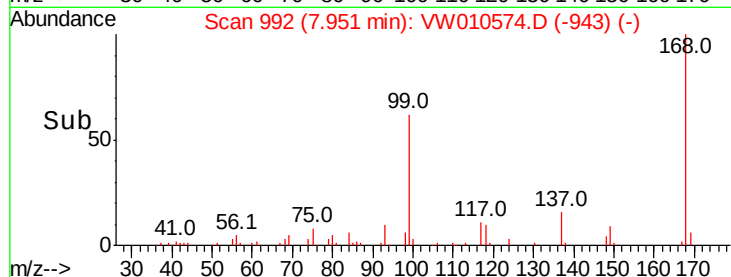
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 35.338 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010574.D

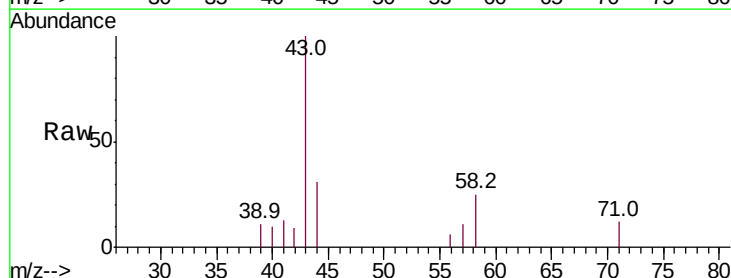
Acq: 28 May 2019 18:23

Tgt Ion: 43 Resp: 2991

Ion Ratio Lower Upper

43 100

58 25.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1000

800

600

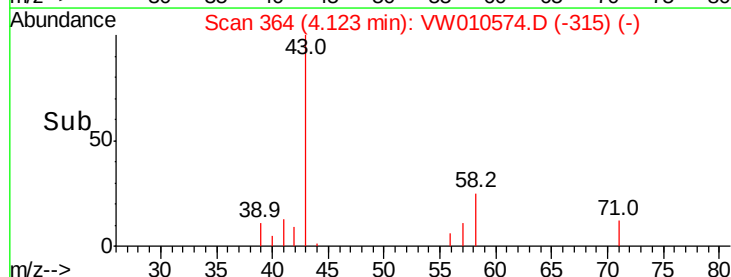
400

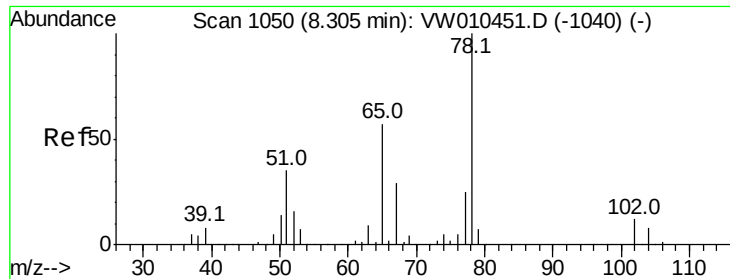
200

0

4.00 4.10 4.20

Time-->

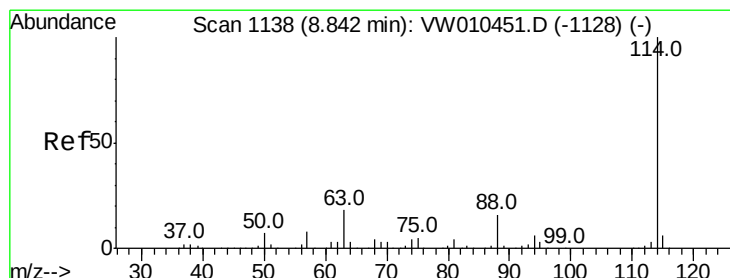
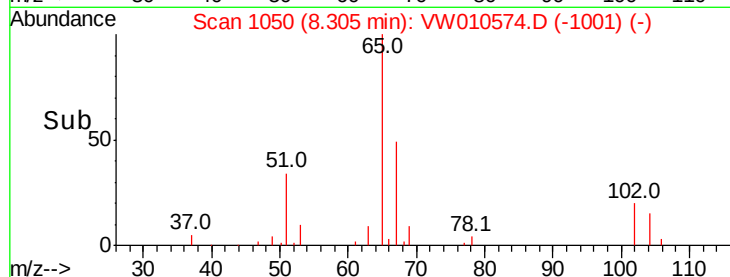
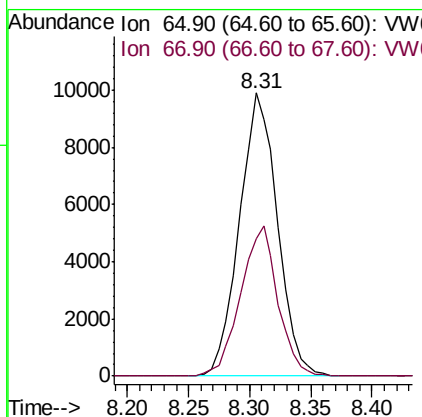
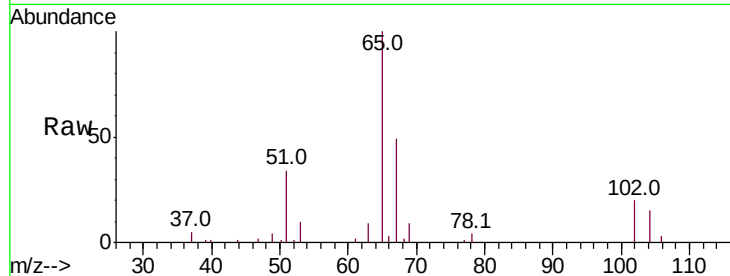




#33
 1,2-Dichloroethane-d4
 Concen: 51.465 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010574.D
 Acq: 28 May 2019 18:23

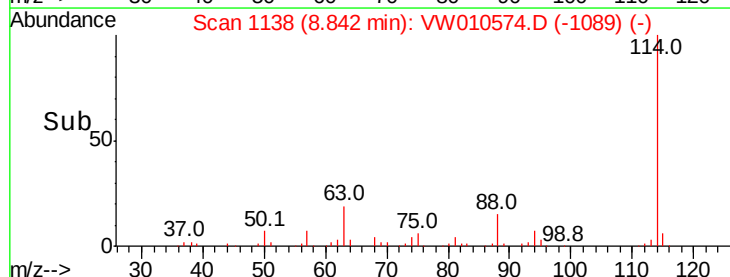
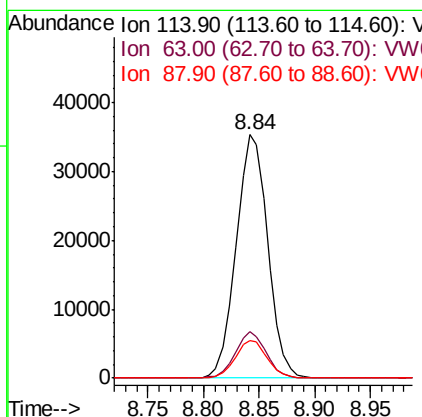
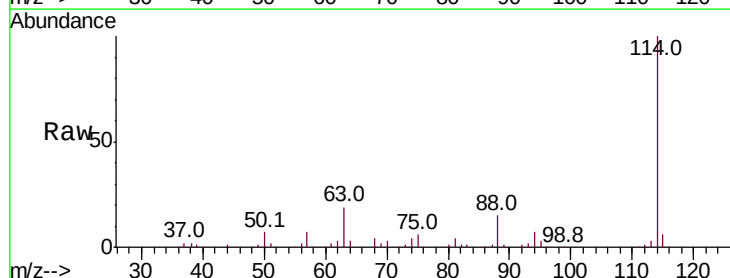
Instrument :
 MSVOA_W
 ClientSampled :
 B-13-1.5-2.0

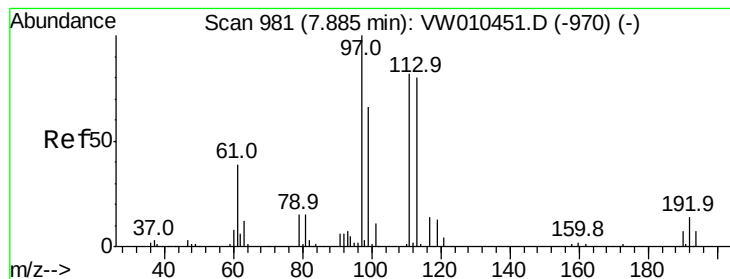
Tot Ion: 65 Resp: 21340
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010574.D
 Acq: 28 May 2019 18:23

Tgt Ion: 114 Resp: 69445
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.0
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.584 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010574.D

Acq: 28 May 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

B-13-1.5-2.0

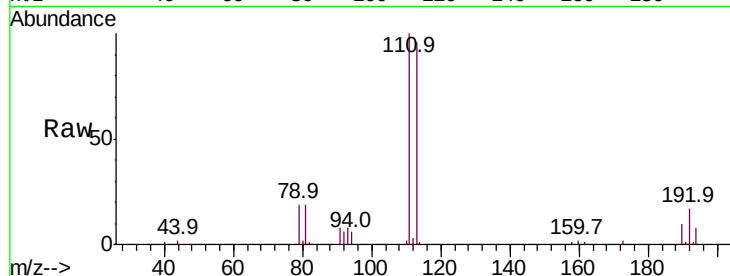
Tot Ion:113 Resp: 20051

Ion Ratio Lower Upper

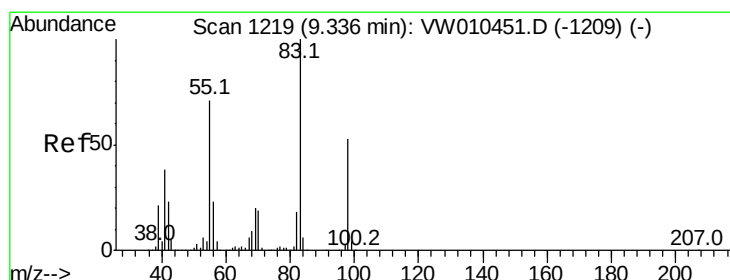
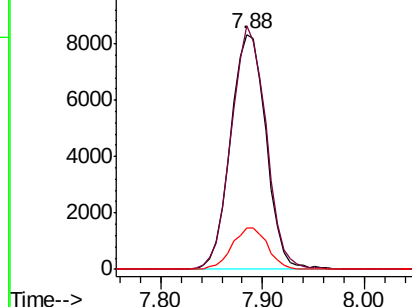
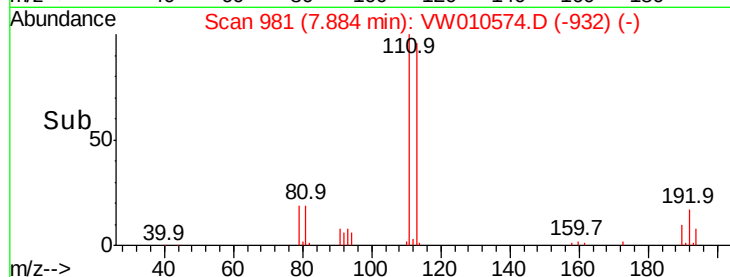
113 100

111 101.7 82.2 123.4

192 17.3 14.3 21.5



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

Methylcyclohexane

Concen: 9.259 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010574.D

Acq: 28 May 2019 18:23

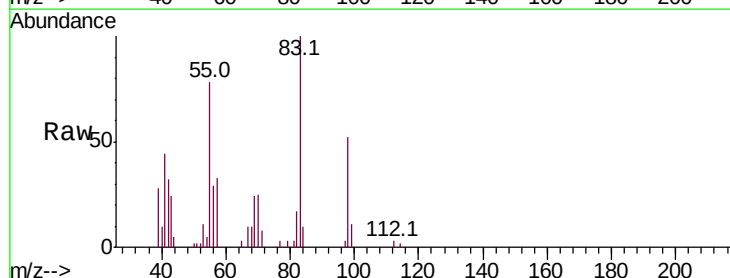
Tgt Ion: 83 Resp: 8025

Ion Ratio Lower Upper

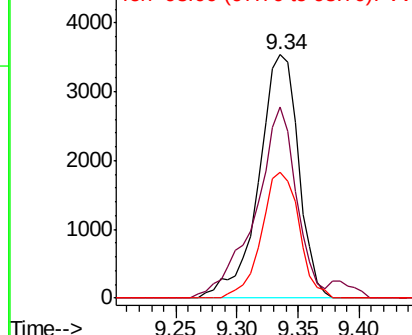
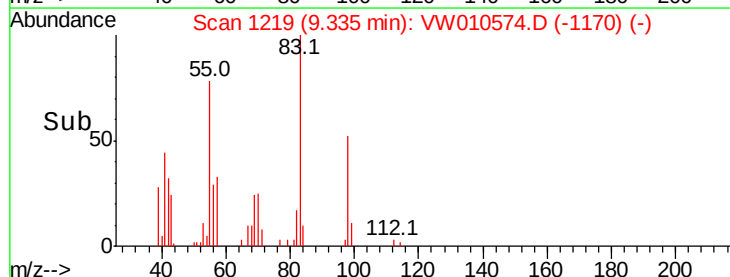
83 100

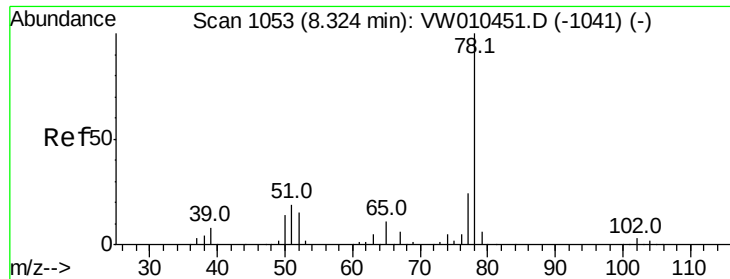
55 78.4 57.0 85.6

98 51.6 42.0 63.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.625 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW010574.D

Acq: 28 May 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

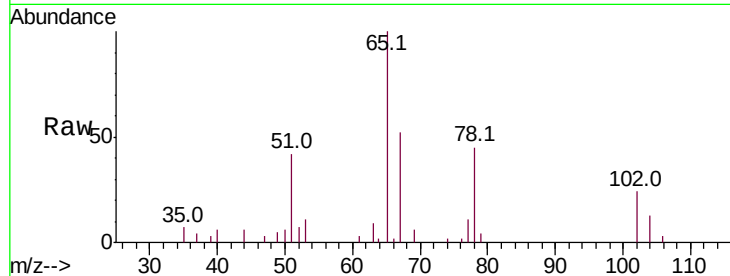
B-13-1.5-2.0

Tot Ion: 78 Resp: 2922

Ion Ratio Lower Upper

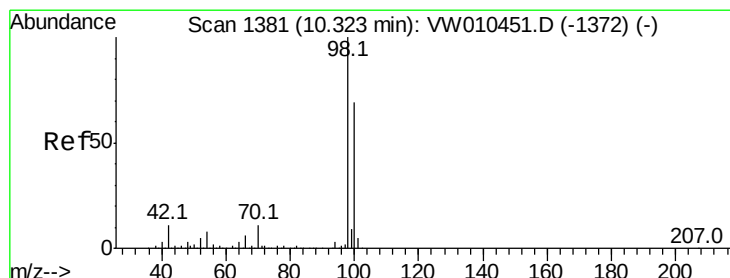
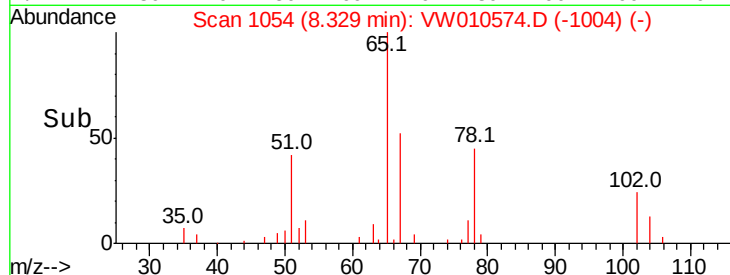
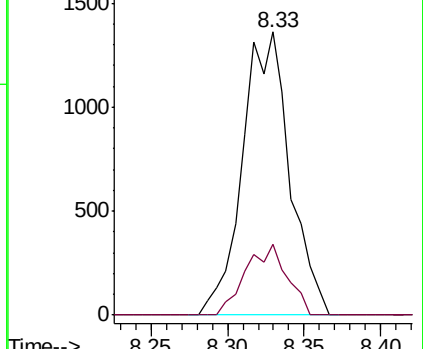
78 100

77 24.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 53.015 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010574.D

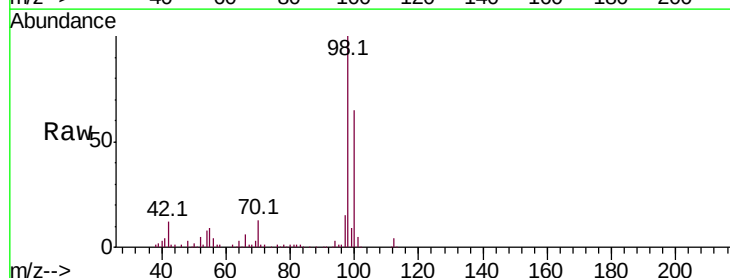
Acq: 28 May 2019 18:23

Tgt Ion: 98 Resp: 85342

Ion Ratio Lower Upper

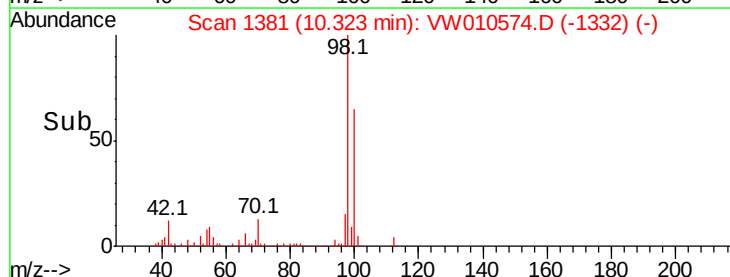
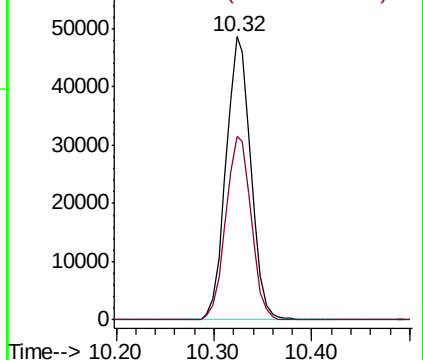
98 100

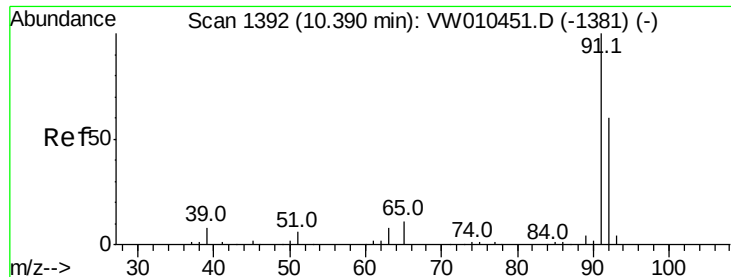
100 66.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 6.409 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010574.D

Acq: 28 May 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

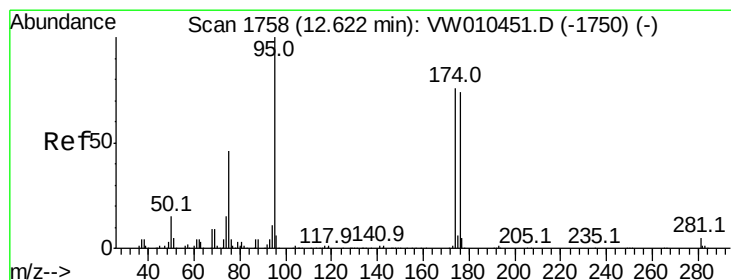
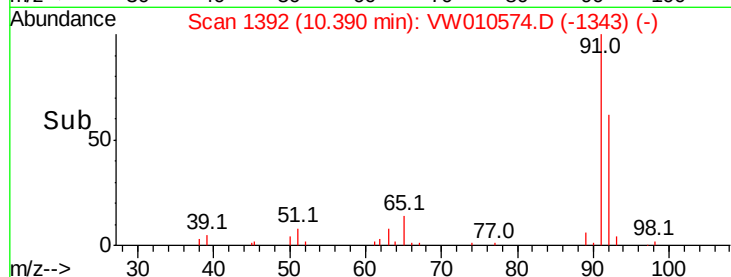
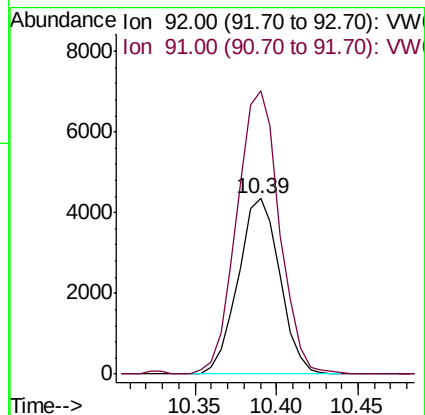
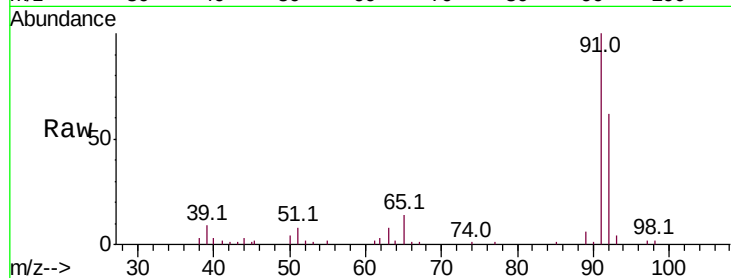
B-13-1.5-2.0

Tot Ion: 92 Resp: 7739

Ion Ratio Lower Upper

92 100

91 165.1 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 49.360 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010574.D

Acq: 28 May 2019 18:23

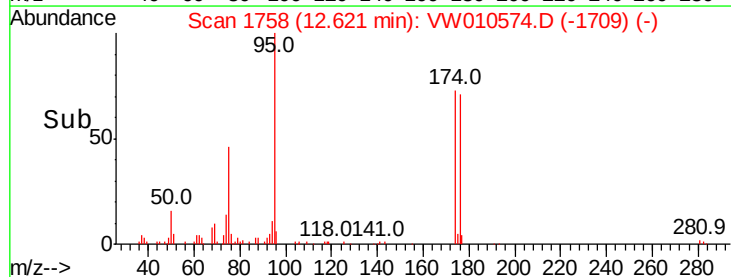
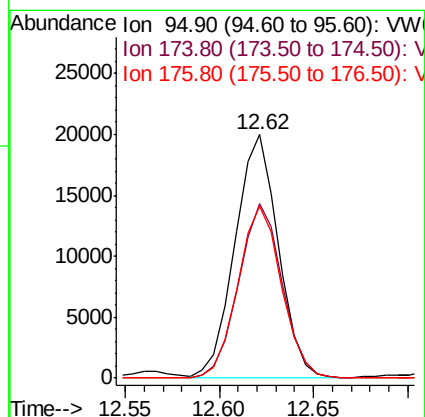
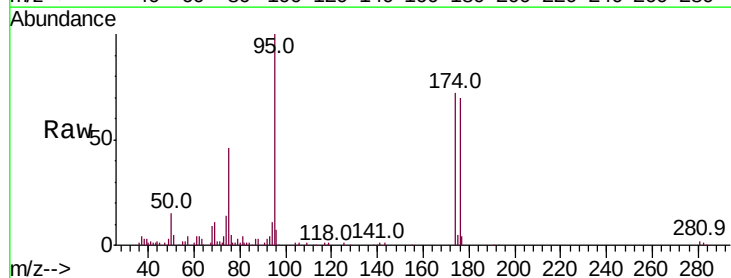
Tgt Ion: 95 Resp: 31649

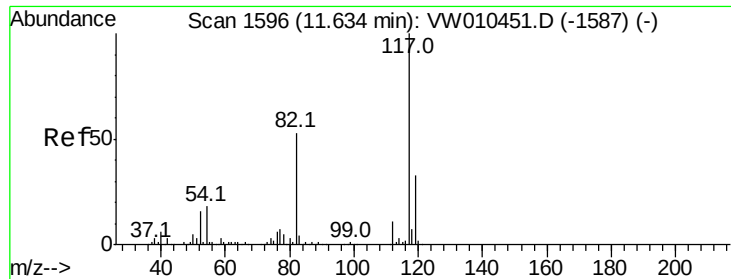
Ion Ratio Lower Upper

95 100

174 72.2 0.0 148.6

176 71.2 0.0 144.2

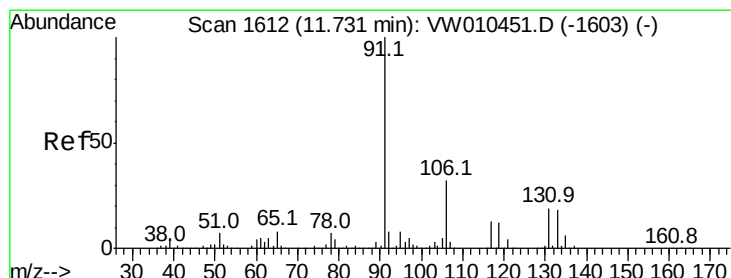
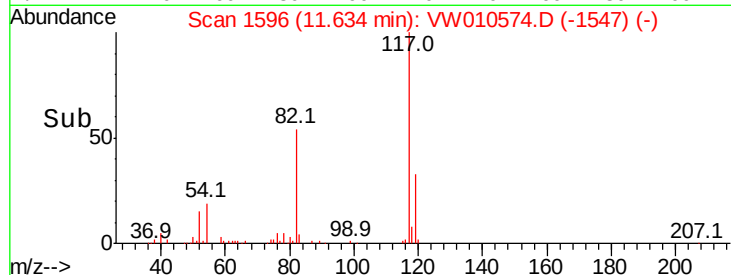
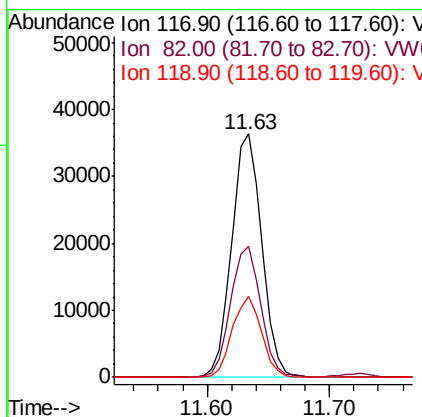
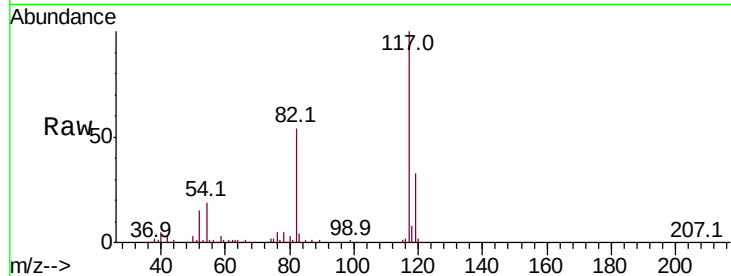




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

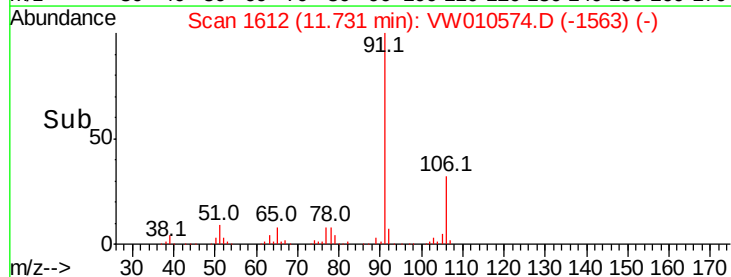
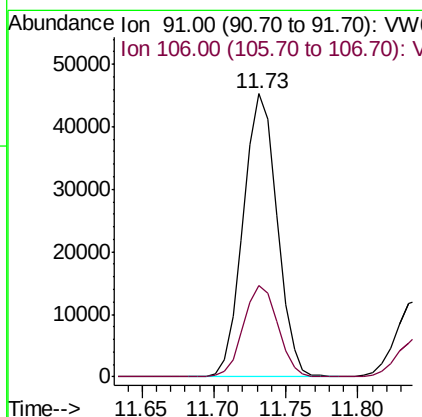
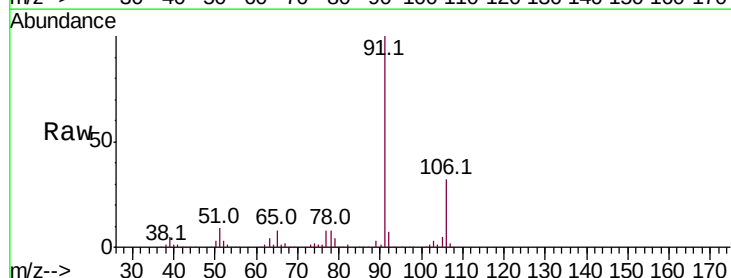
Instrument :
MSVOA_W
ClientSampleId :
B-13-1.5-2.0

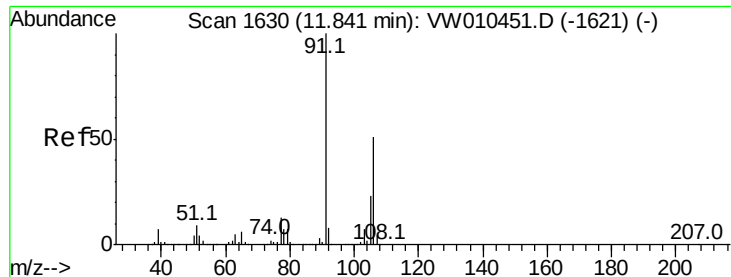
Tot Ion:117 Resp: 61611
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 33.3 26.3 39.5



#67
Ethyl Benzene
Concen: 31.928 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

Tgt Ion: 91 Resp: 74019
Ion Ratio Lower Upper
91 100
106 32.3 25.9 38.9

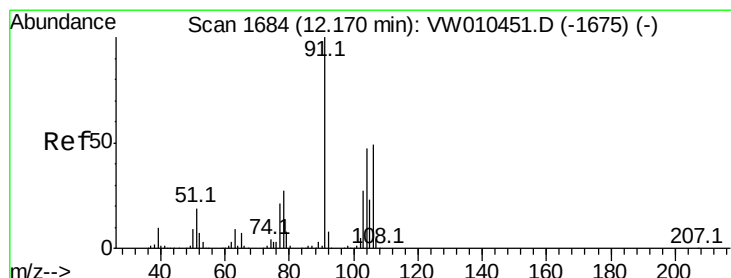
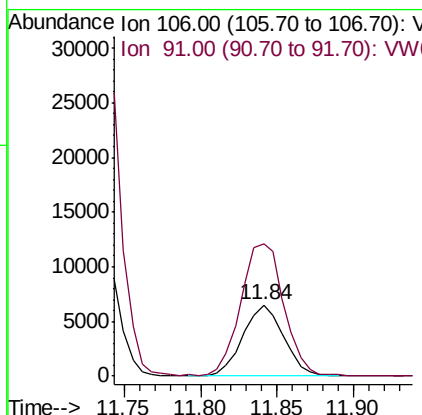
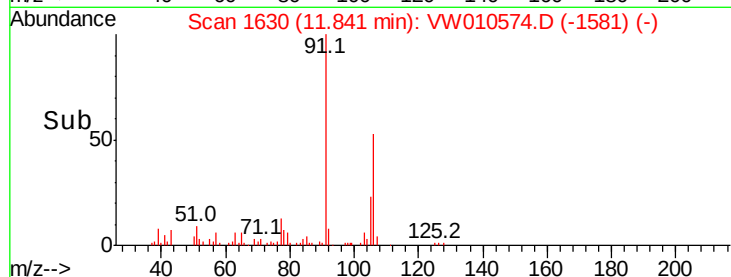
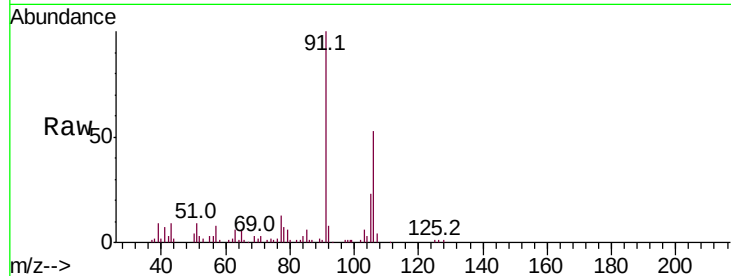




#68
m/p-Xylenes
Concen: 13.220 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

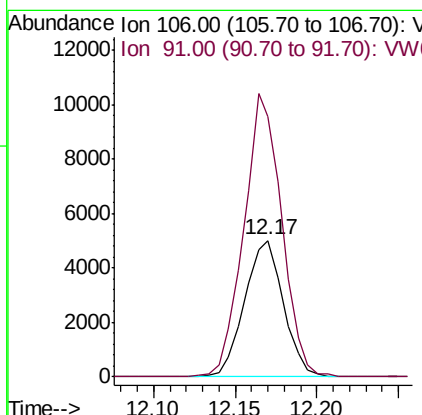
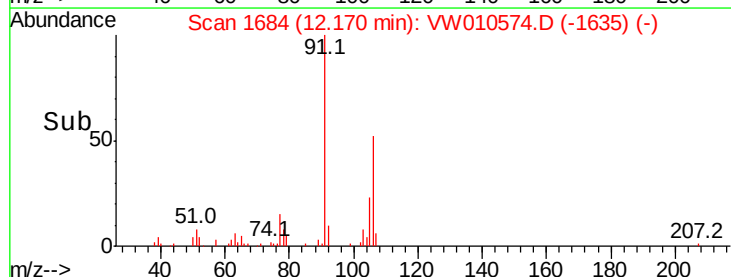
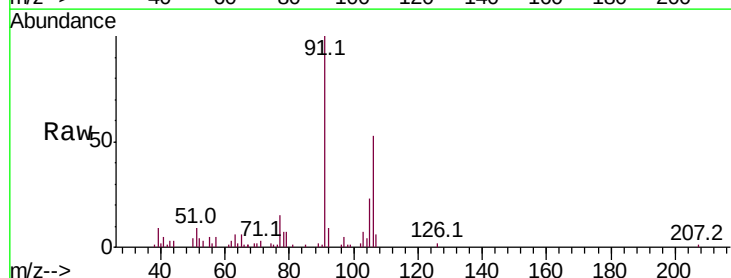
Instrument :
MSVOA_W
ClientSampleId :
B-13-1.5-2.0

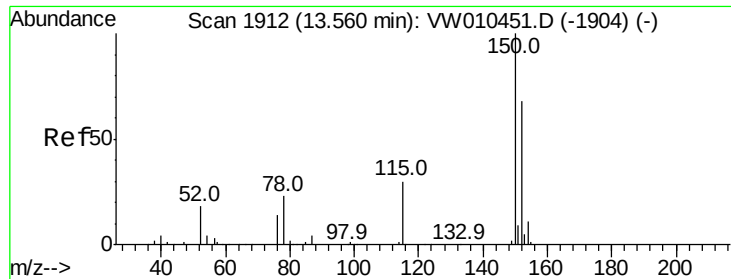
Tot Ion:106 Resp: 12021
Ion Ratio Lower Upper
106 100
91 198.8 156.0 234.0



#69
o-Xylene
Concen: 9.632 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

Tgt Ion:106 Resp: 8298
Ion Ratio Lower Upper
106 100
91 202.7 103.2 309.4



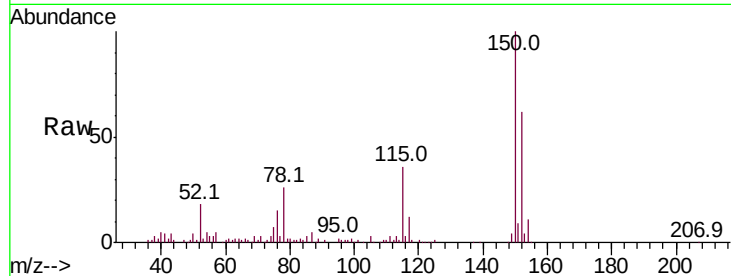


#72

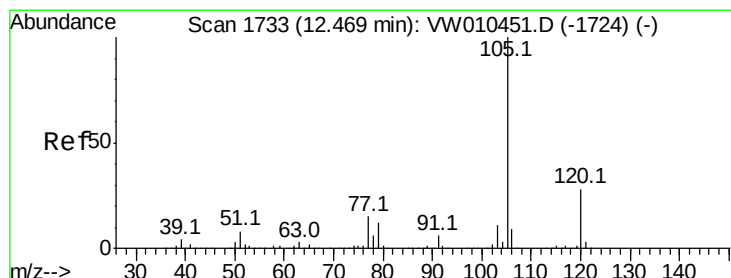
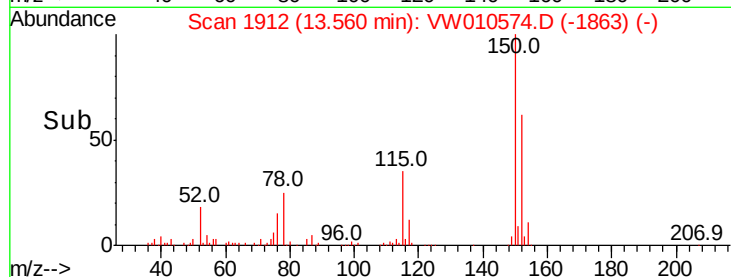
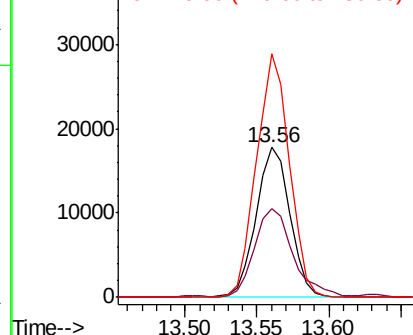
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

Instrument :
MSVOA_W
ClientSampleId :
B-13-1.5-2.0

Tot Ion:152 Resp: 28824
Ion Ratio Lower Upper
152 100
115 68.3 30.3 91.0
150 157.6 0.0 349.8



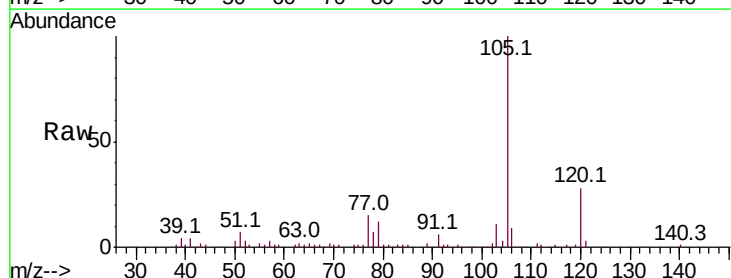
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



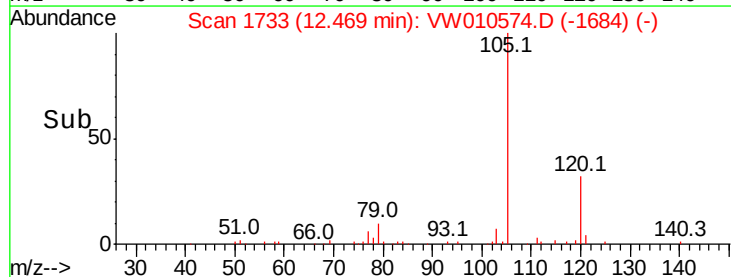
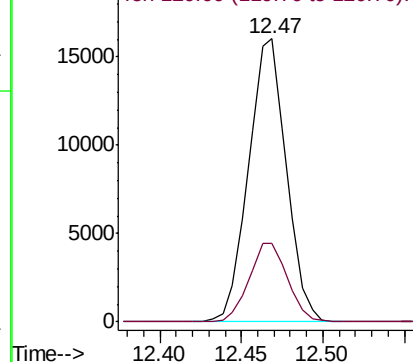
#73

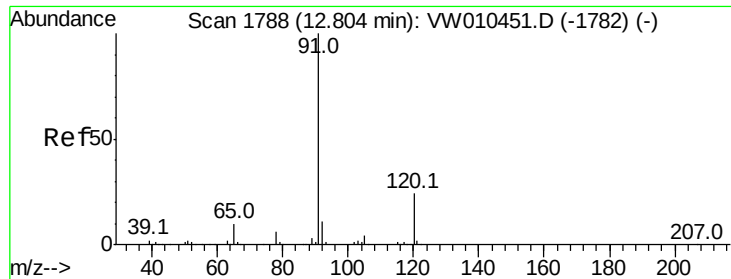
Isopropylbenzene
Concen: 11.276 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

Tgt Ion:105 Resp: 25792
Ion Ratio Lower Upper
105 100
120 28.2 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

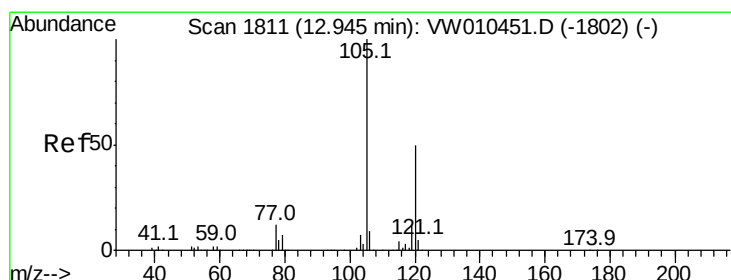
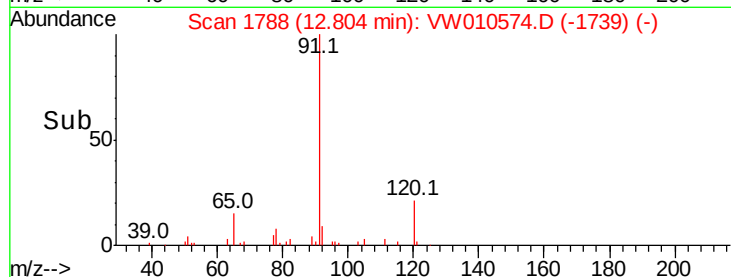
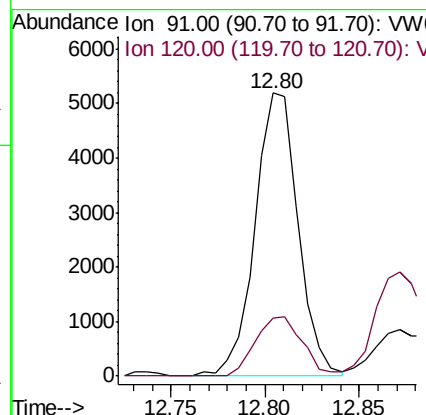
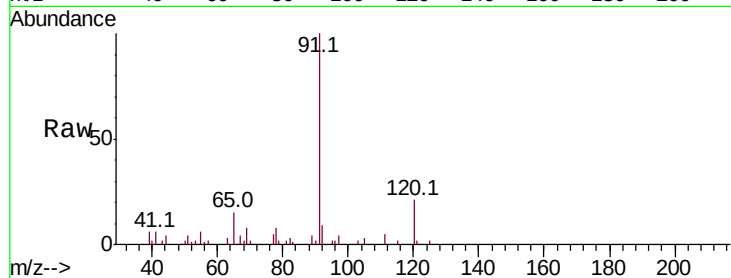




#78
n-propylbenzene
Concen: 3.095 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

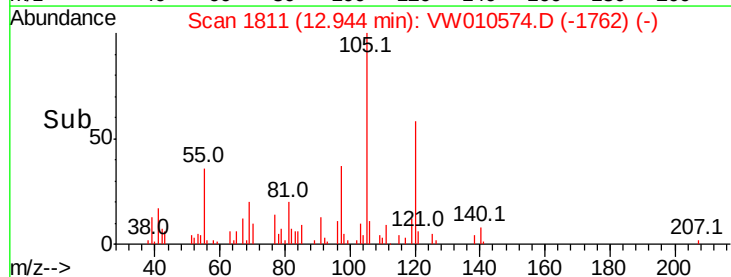
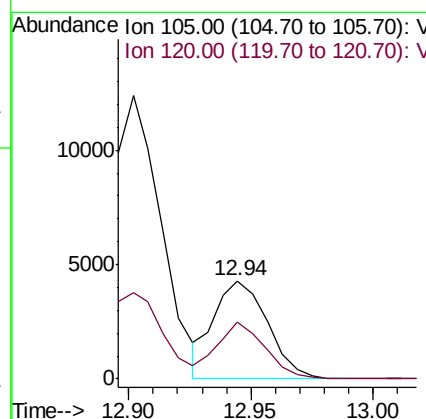
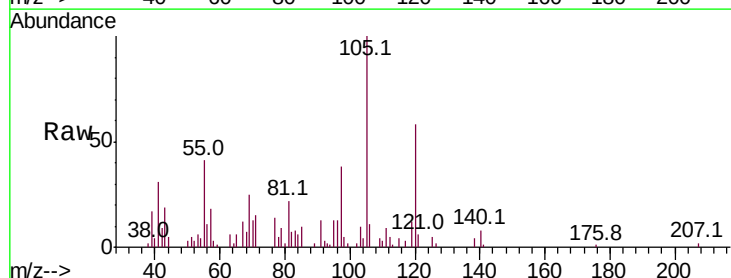
Instrument :
MSVOA_W
ClientSampleId :
B-13-1.5-2.0

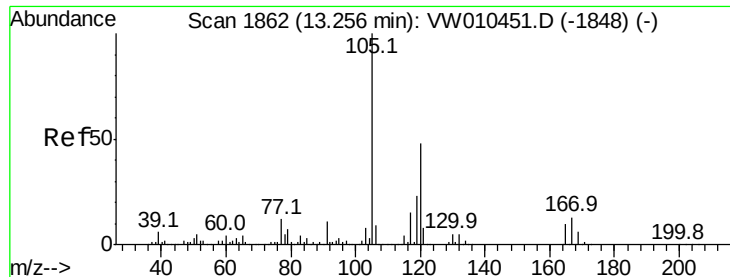
Tot Ion: 91 Resp: 8249
Ion Ratio Lower Upper
91 100
120 23.1 12.3 36.8



#80
1,3,5-Trimethylbenzene
Concen: 3.351 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010574.D
Acq: 28 May 2019 18:23

Tgt Ion:105 Resp: 6492
Ion Ratio Lower Upper
105 100
120 51.8 25.2 75.6

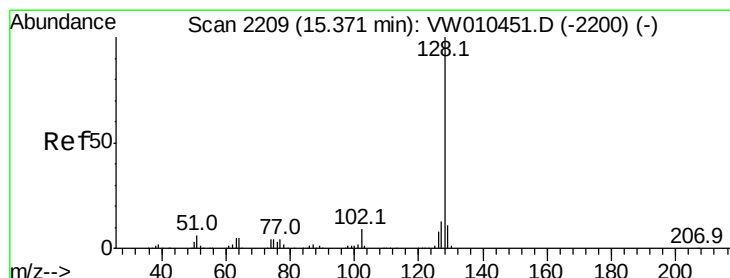
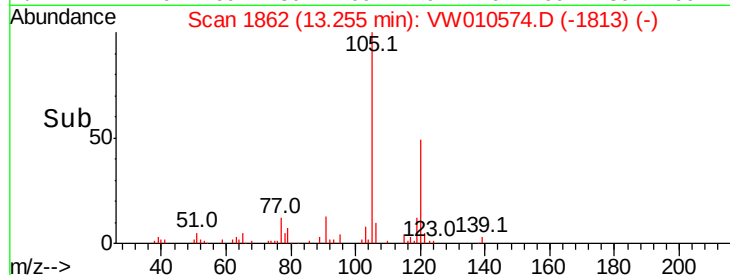
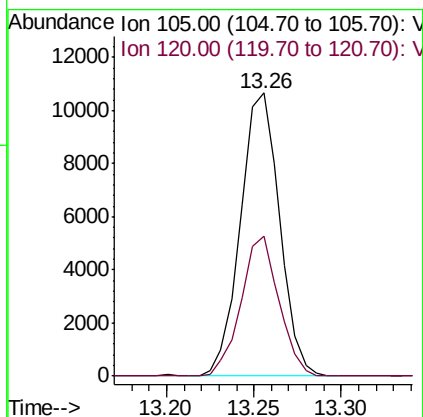
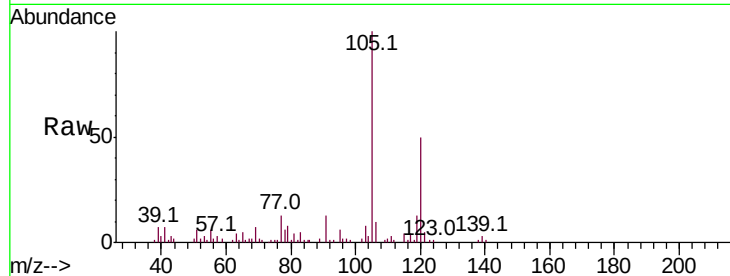




#84
 1,2,4-Trimethylbenzene
 Concen: 8.637 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010574.D
 Acq: 28 May 2019 18:23

Instrument :
 MSVOA_W
 ClientSampleId :
 B-13-1.5-2.0

Tot Ion:105 Resp: 16664
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2



#95
 Naphthalene
 Concen: 103.716 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW010574.D
 Acq: 28 May 2019 18:23

Tgt Ion:128 Resp: 135540
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.6 15.8
 129 11.0 8.9 13.3

