

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020619\
 Data File : VW008530.D
 Acq On : 06 Feb 2019 16:21
 Operator : SY/VA
 Sample : K1379-01
 Misc : 6.20G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-6A

Quant Time: Feb 07 03:21:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	543582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	864929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	737203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	290342	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	283552	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	7.88	113	271562	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.32	98	1021407	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	332439	42.64	ug/l	0.00
Spiked Amount			Recovery	=	85.28%	

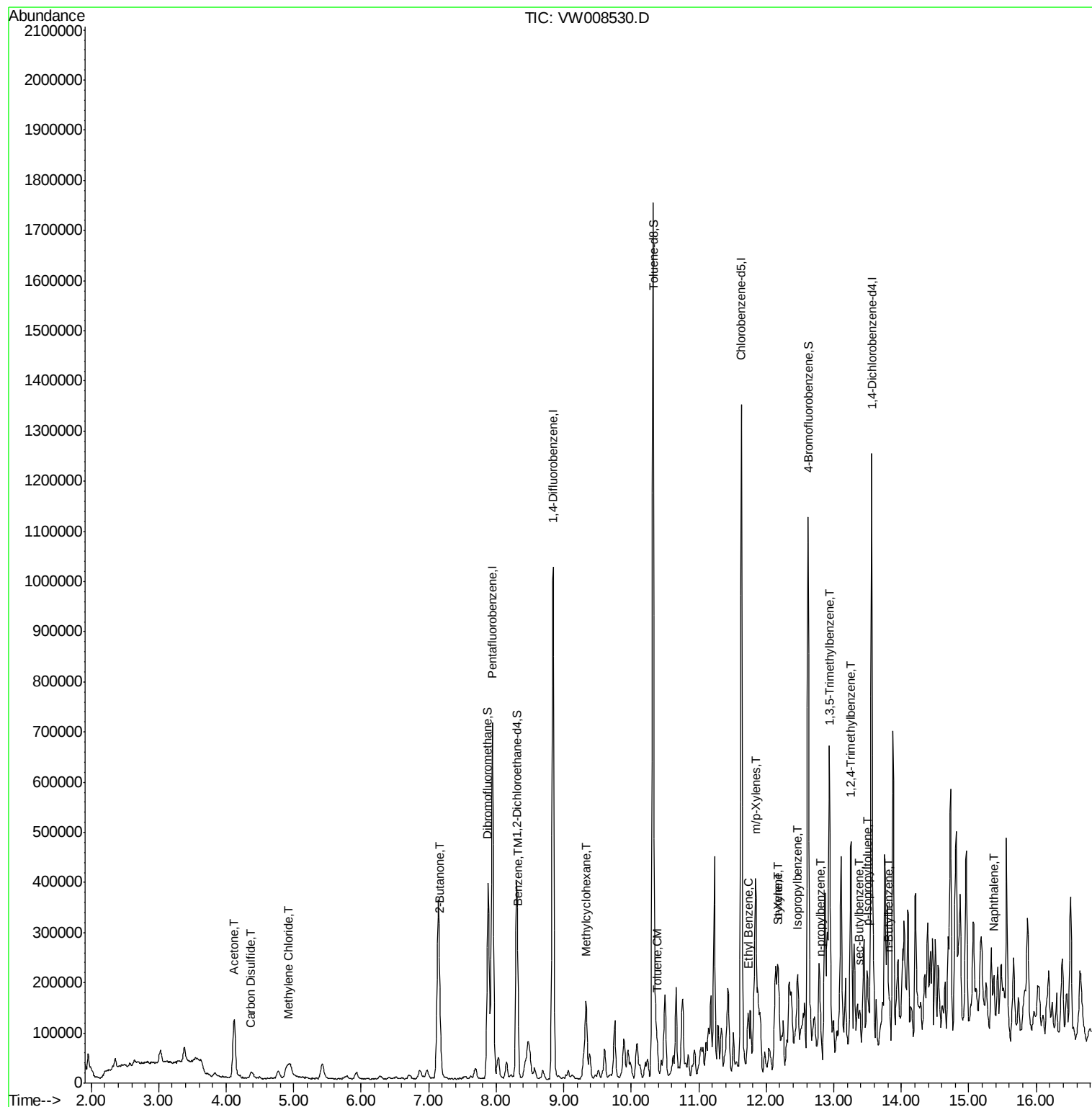
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	207132	172.723	ug/l	96
17) Carbon Disulfide	4.37	76	23666	1.489	ug/l	99
20) Methylene Chloride	4.92	84	13371	2.419	ug/l #	79
25) 2-Butanone	7.17	43	64753	38.875	ug/l	91
39) Methylcyclohexane	9.33	83	58499	5.450	ug/l	99
40) Benzene	8.32	78	38547	1.700	ug/l	95
52) Toluene	10.38	92	28691	1.917	ug/l	97
67) Ethyl Benzene	11.73	91	58967	2.132	ug/l	97
68) m/p-Xylenes	11.84	106	44803	4.174	ug/l	97
69) o-Xylene	12.16	106	32639	3.201	ug/l	95
70) Styrene	12.18	104	44307	2.630	ug/l	96
73) Isopropylbenzene	12.47	105	88096	4.070	ug/l	98
78) n-propylbenzene	12.80	91	56248	2.164	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	66637	3.683	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	229935	12.504	ug/l	99
85) sec-Butylbenzene	13.38	105	36087	1.569	ug/l	90
86) p-Isopropyltoluene	13.50	119	49166	2.441	ug/l	97
89) n-Butylbenzene	13.82	91	40544	2.050	ug/l #	78
95) Naphthalene	15.37	128	74477	7.036	ug/l #	93

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020619\
Data File : VW008530.D
Acq On : 06 Feb 2019 16:21
Operator : SY/VA
Sample : K1379-01
Misc : 6.20G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-6A

Quant Time: Feb 07 03:21:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

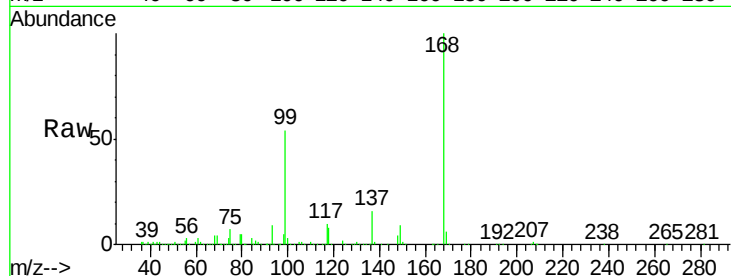
HR-6A

Tot Ion:168 Resp: 543582

Ion Ratio Lower Upper

168 100

99 54.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

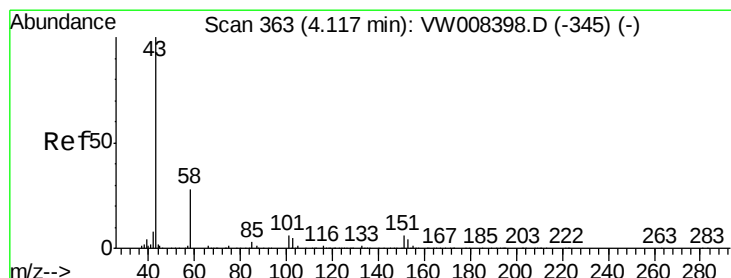
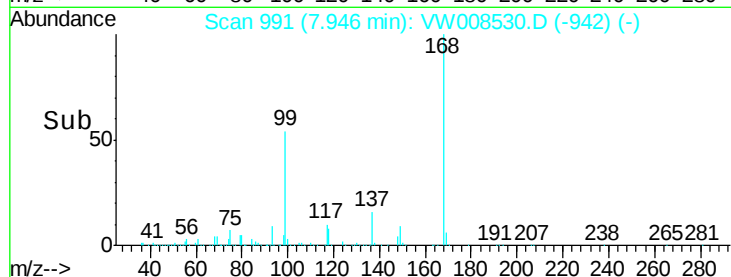
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 172.723 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008530.D

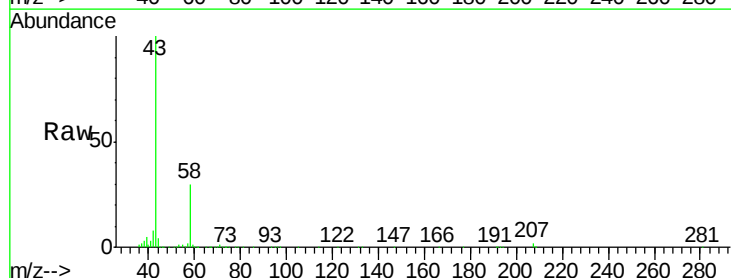
Acq: 06 Feb 2019 16:21

Tgt Ion: 43 Resp: 207132

Ion Ratio Lower Upper

43 100

58 30.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

80000

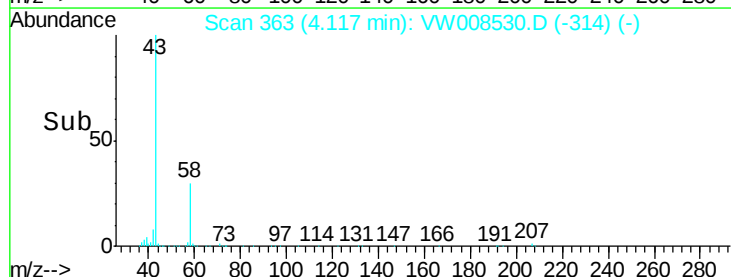
60000

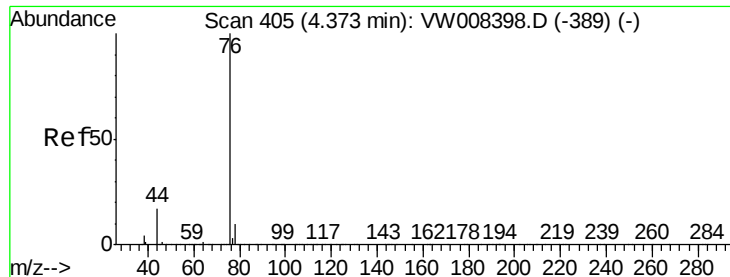
40000

20000

0

Time--> 4.00 4.10 4.20

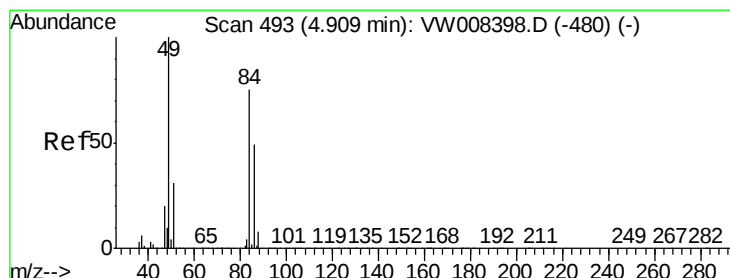
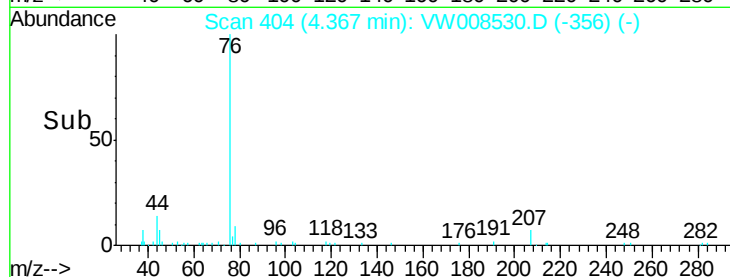
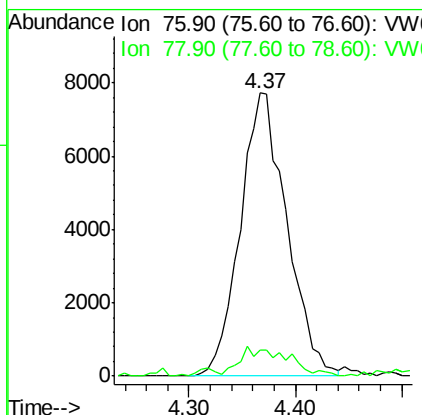
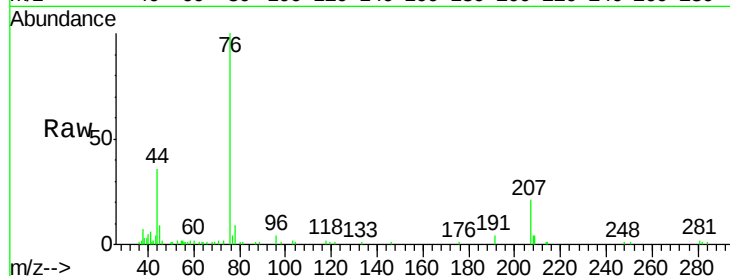




#17
Carbon Disulfide
Concen: 1.489 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

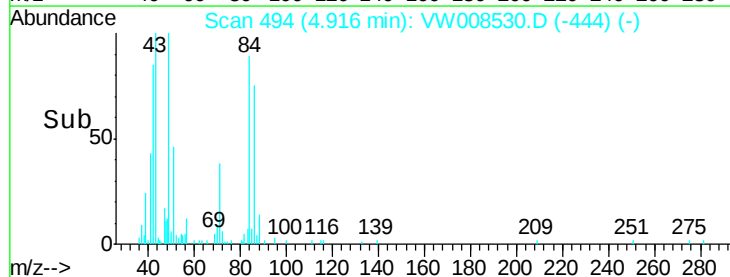
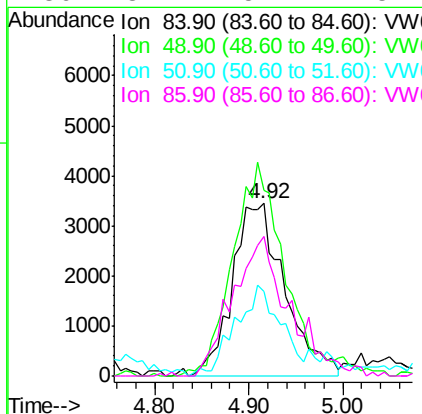
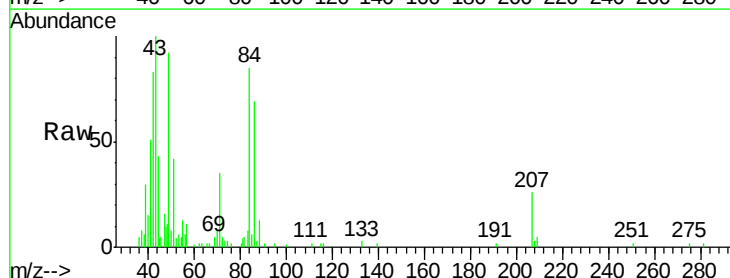
Instrument :
MSVOA_W
ClientSampleId :
HR-6A

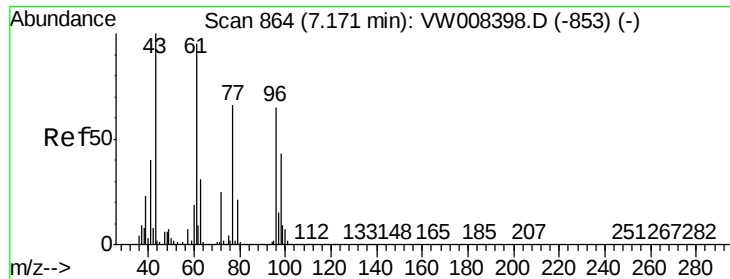
Tot Ion: 76 Resp: 23666
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5



#20
Methylene Chloride
Concen: 2.419 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion: 84 Resp: 13371
Ion Ratio Lower Upper
84 100
49 104.6 106.8 160.2#
51 49.2 32.9 49.3
86 81.2 52.2 78.2#





#25

2-Butanone

Concen: 38.875 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

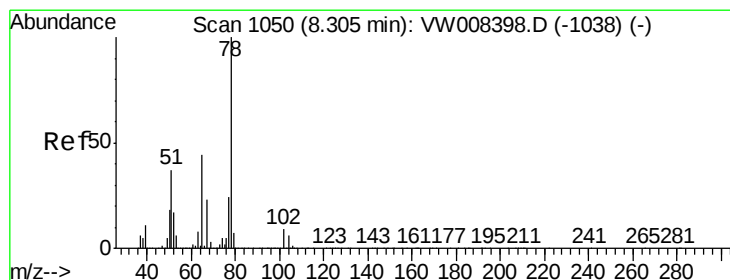
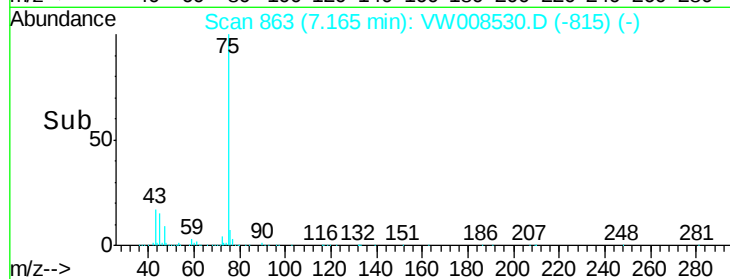
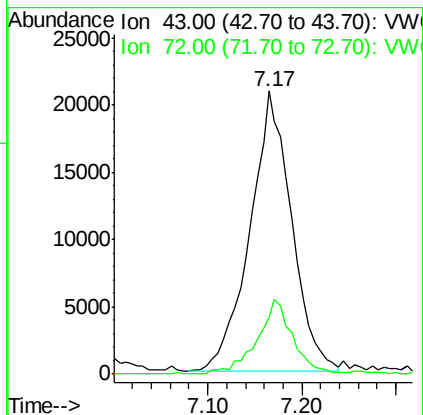
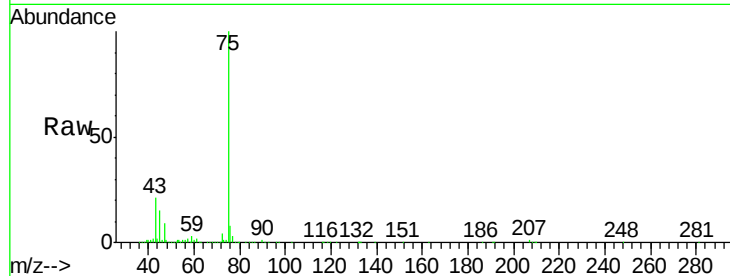
HR-6A

Tot Ion: 43 Resp: 64753

Ion Ratio Lower Upper

43 100

72 20.4 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: 53.098 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008530.D

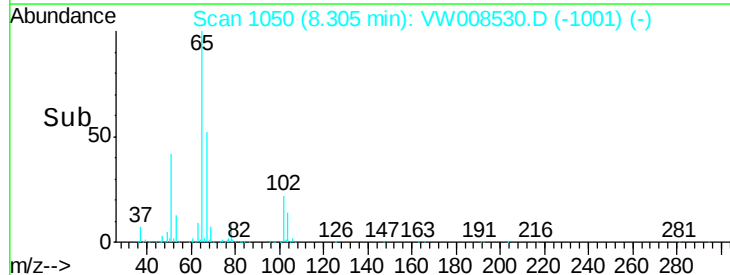
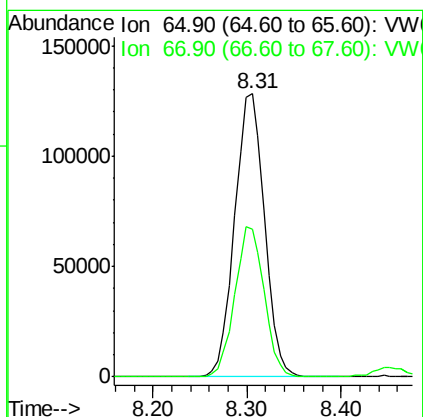
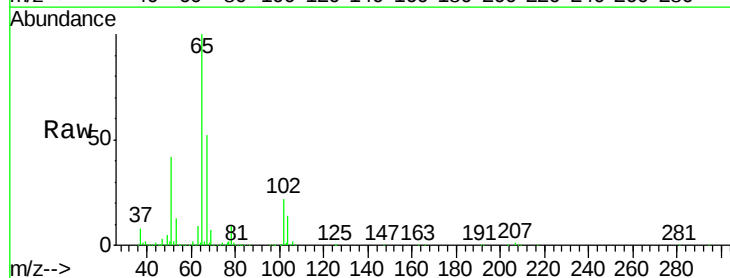
Acq: 06 Feb 2019 16:21

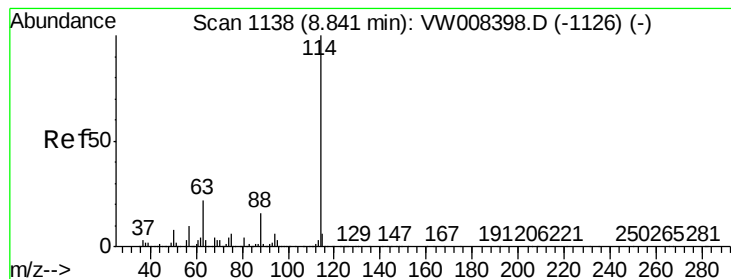
Tgt Ion: 65 Resp: 283552

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampled :

HR-6A

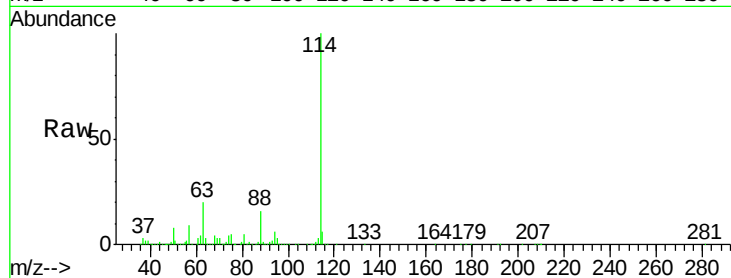
Tot Ion:114 Resp: 864929

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.6

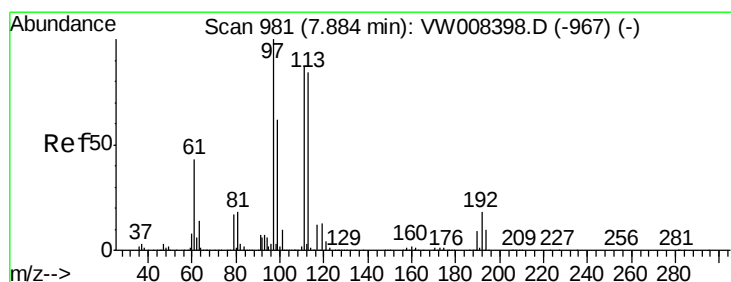
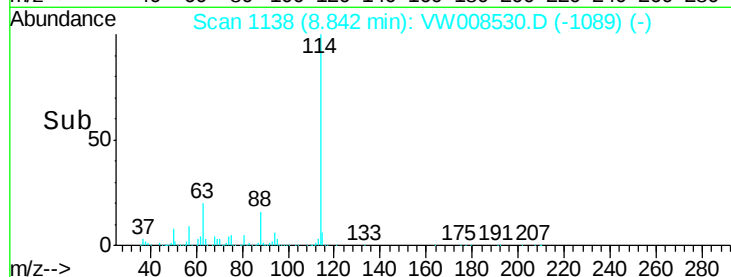
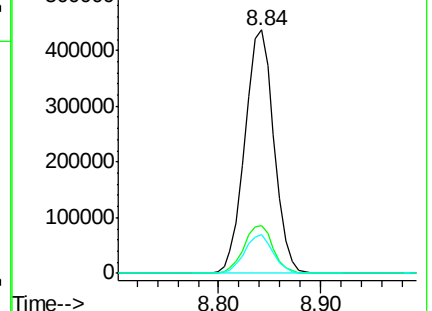
88 15.7 0.0 31.8



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: 53.695 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

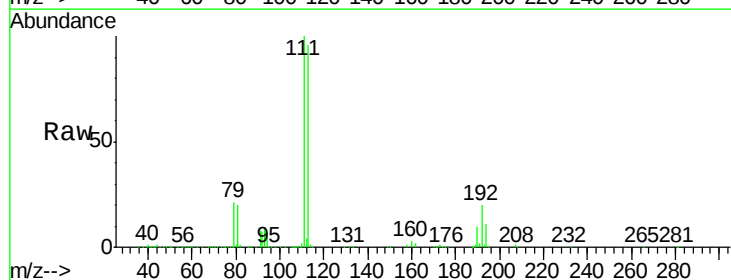
Tgt Ion:113 Resp: 271562

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

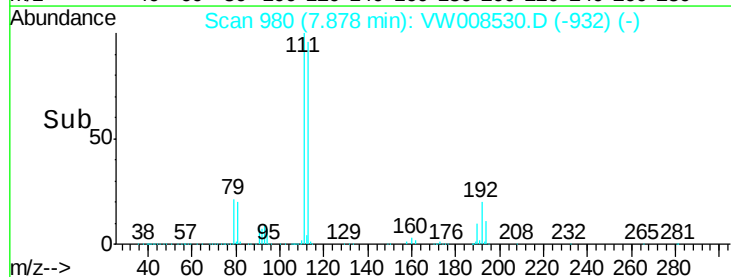
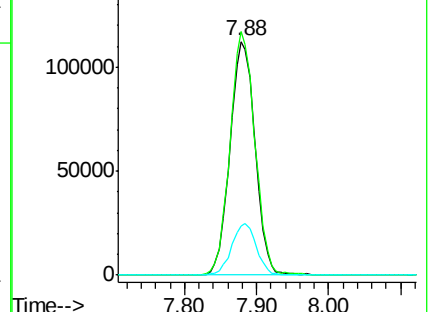
192 21.6 16.8 25.2

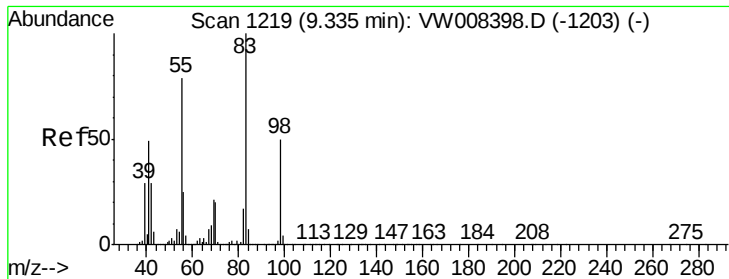


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

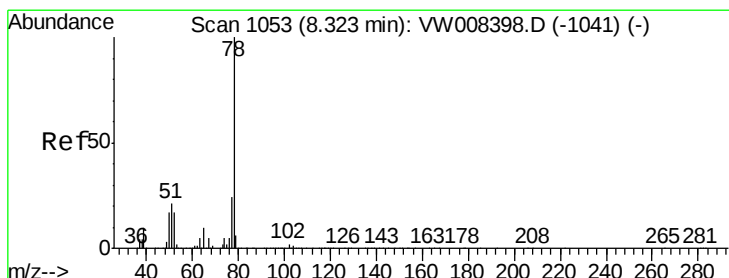
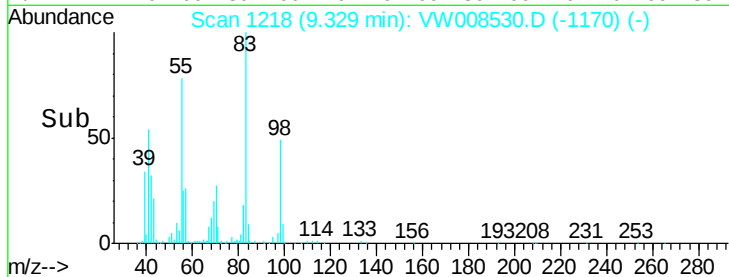
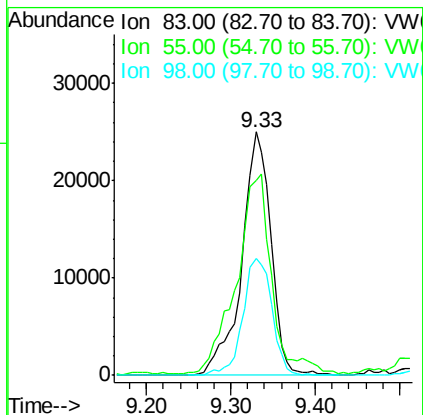
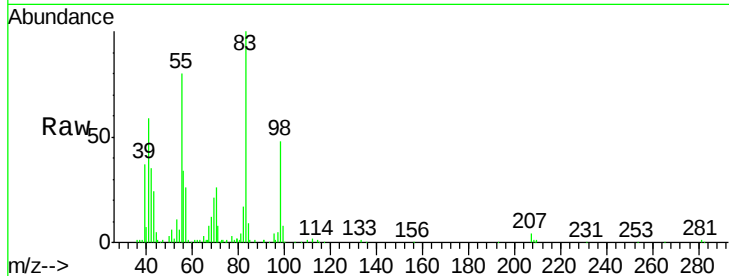




#39
Methvlcvclohexane
Concen: 5.450 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

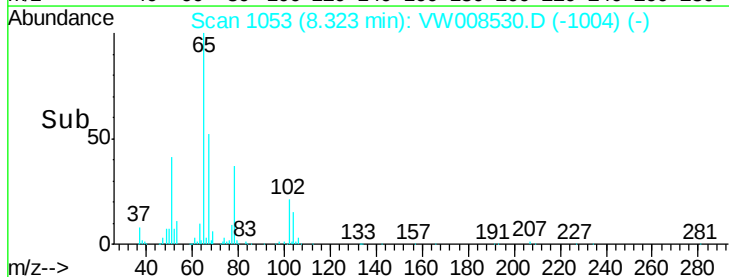
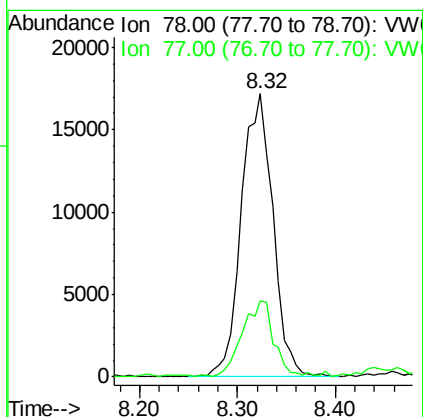
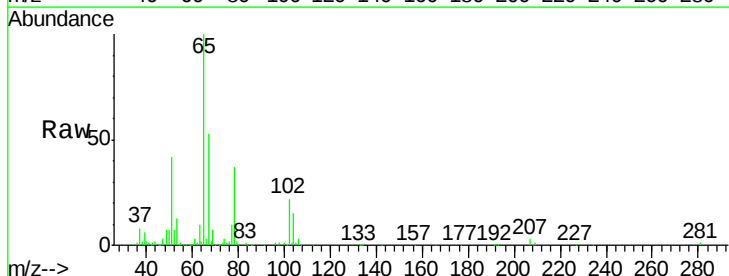
Instrument :
MSVOA_W
ClientSampleId :
HR-6A

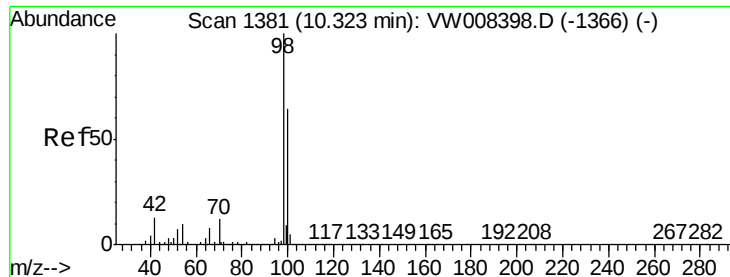
Tot Ion: 83 Resp: 58499
Ion Ratio Lower Upper
83 100
55 79.2 63.3 94.9
98 48.2 39.7 59.5



#40
Benzene
Concen: 1.700 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion: 78 Resp: 38547
Ion Ratio Lower Upper
78 100
77 26.4 19.0 28.6





#50

Toluene-d8

Concen: 50.363 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

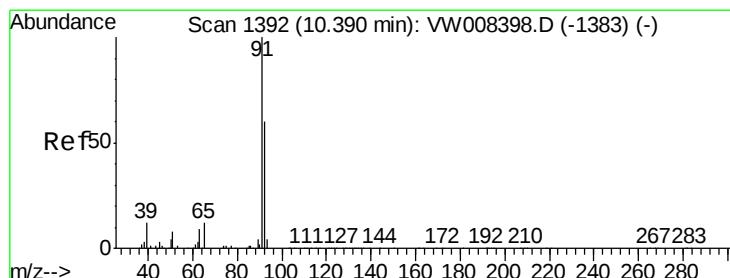
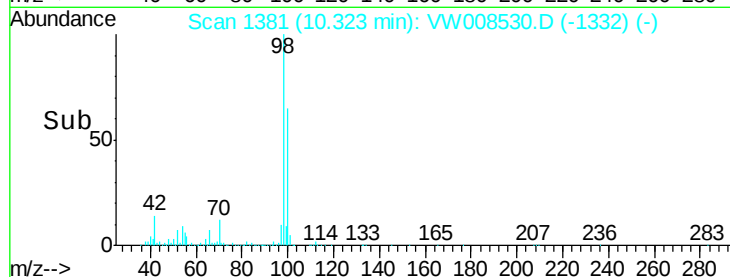
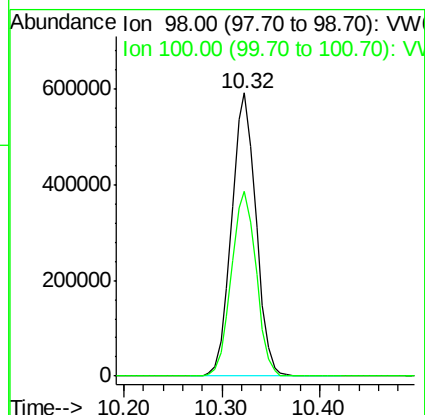
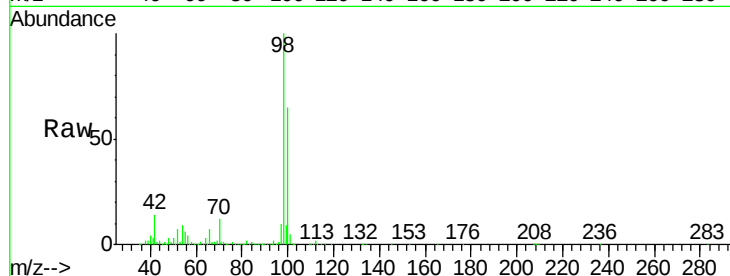
HR-6A

Tot Ion: 98 Resp: 1021407

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



#52

Toluene

Concen: 1.917 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008530.D

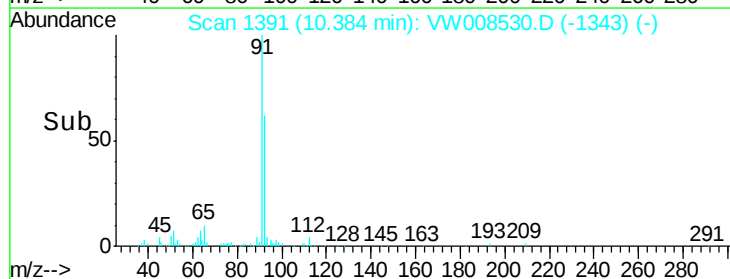
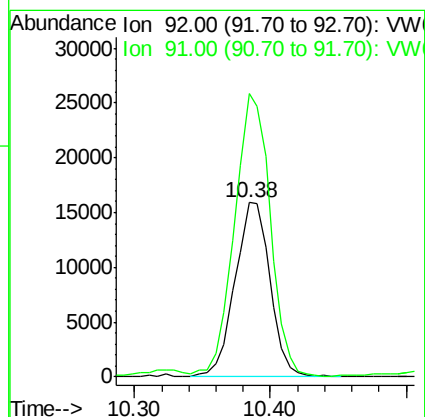
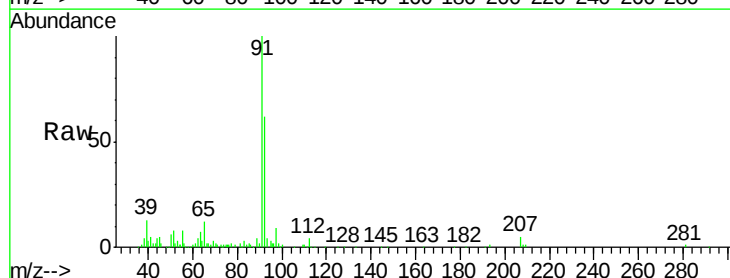
Acq: 06 Feb 2019 16:21

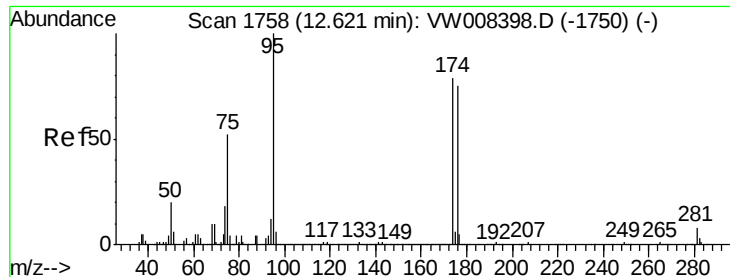
Tgt Ion: 92 Resp: 28691

Ion Ratio Lower Upper

92 100

91 165.8 135.5 203.3





#62

4-Bromofluorobenzene

Concen: 42.644 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampled :

HR-6A

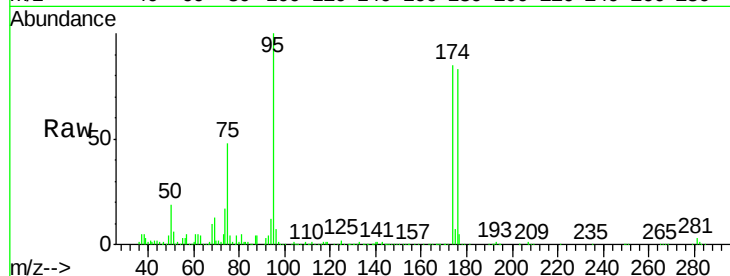
Tot Ion: 95 Resp: 332439

Ion Ratio Lower Upper

95 100

174 83.5 0.0 157.6

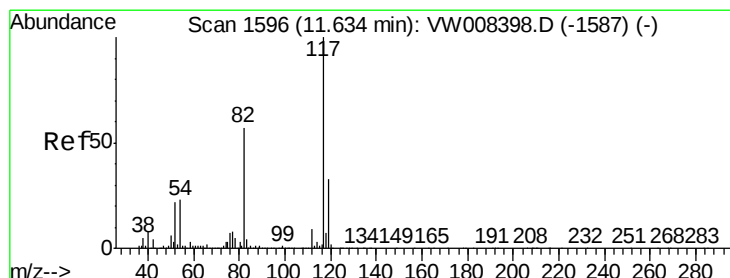
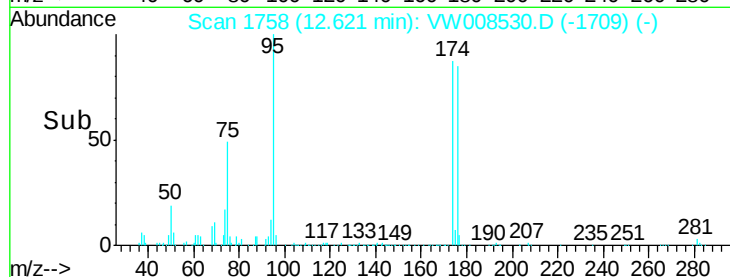
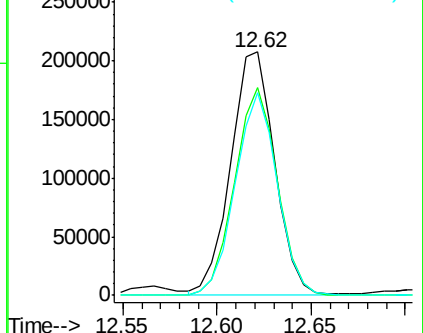
176 80.3 0.0 151.8



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# 1596

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

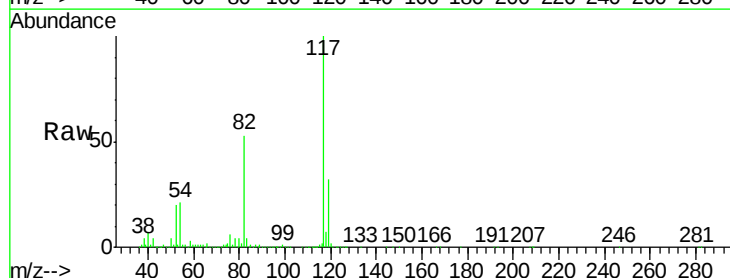
Tgt Ion: 117 Resp: 737203

Ion Ratio Lower Upper

117 100

82 52.8 45.4 68.0

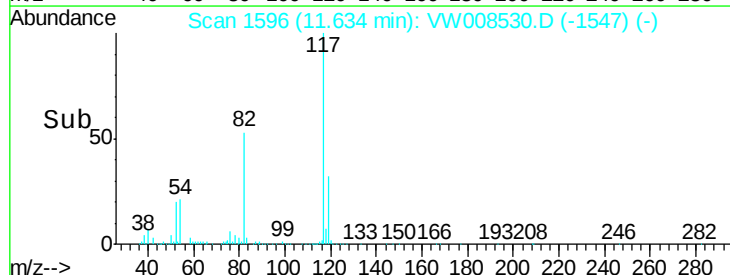
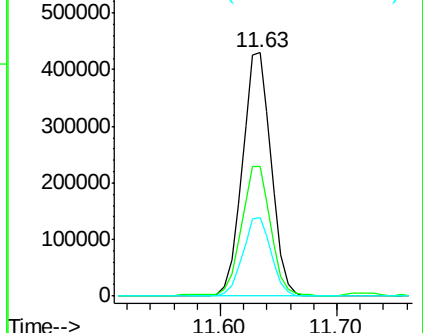
119 32.1 26.2 39.4

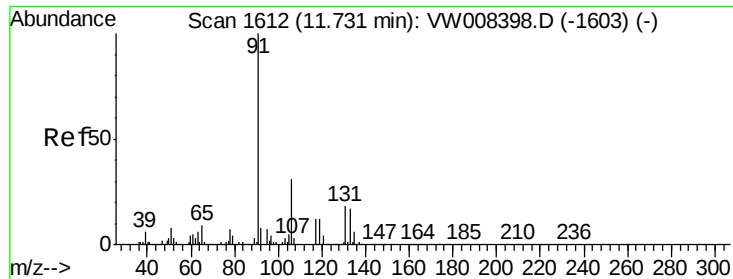


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

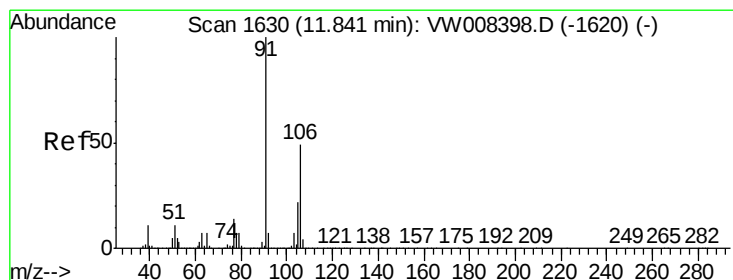
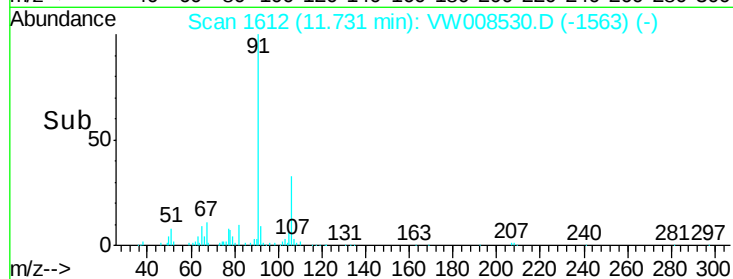
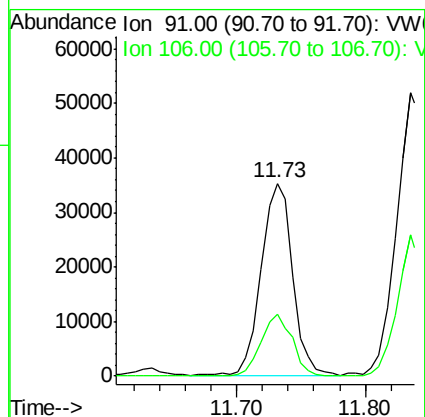
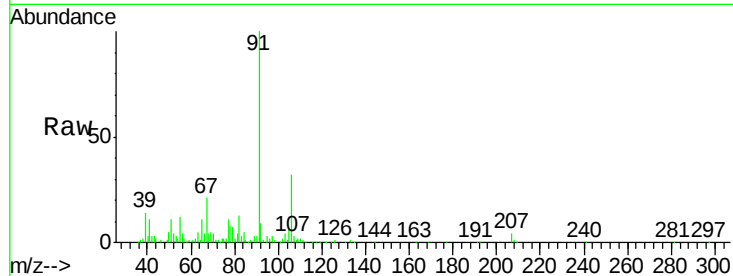




#67
Ethyl Benzene
Concen: 2.132 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

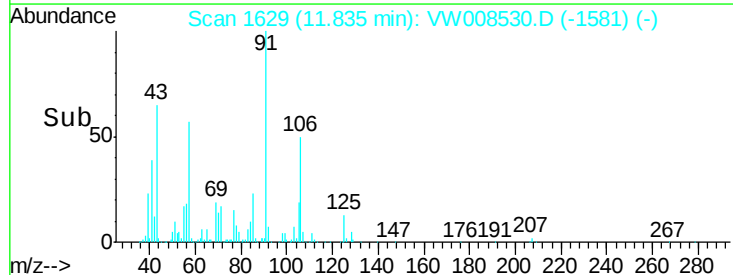
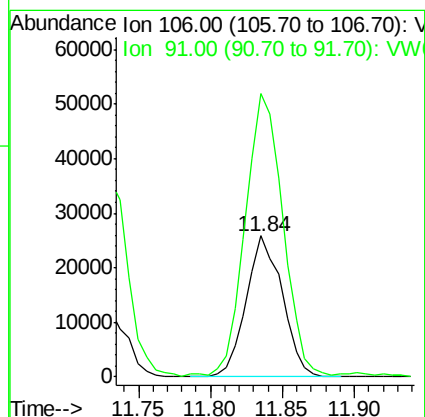
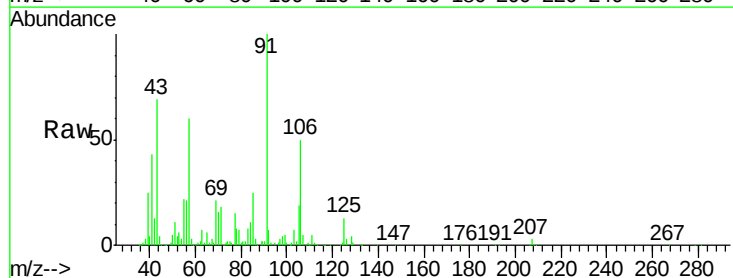
Instrument :
MSVOA_W
ClientSampleId :
HR-6A

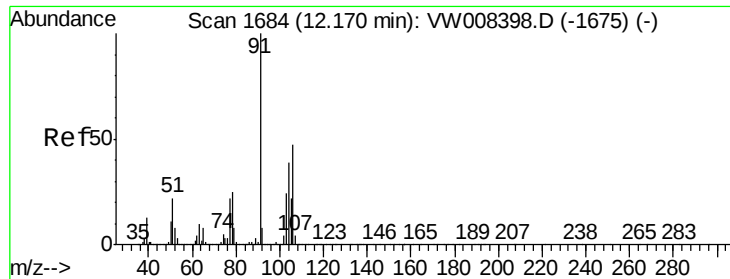
Tot Ion: 91 Resp: 58967
Ion Ratio Lower Upper
91 100
106 32.6 24.7 37.1



#68
m/p-Xylenes
Concen: 4.174 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion: 106 Resp: 44803
Ion Ratio Lower Upper
106 100
91 208.2 162.9 244.3

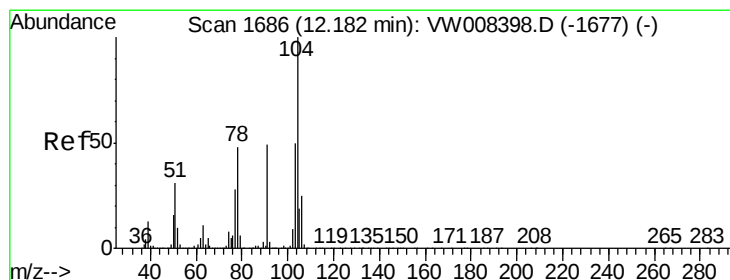
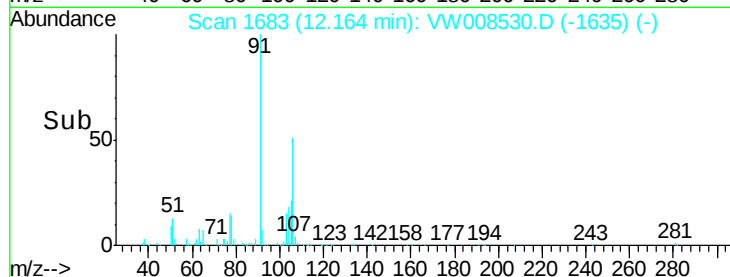
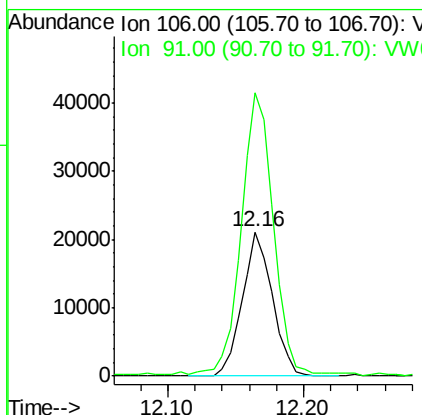
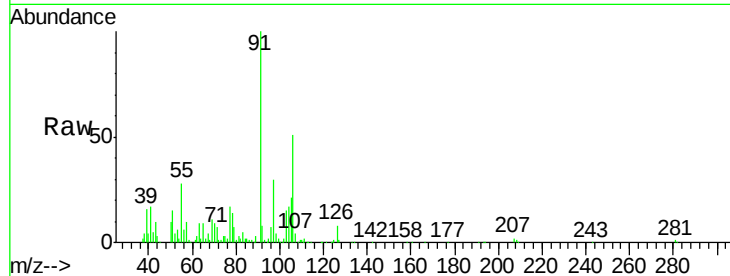




#69
o-Xylene
Concen: 3.201 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

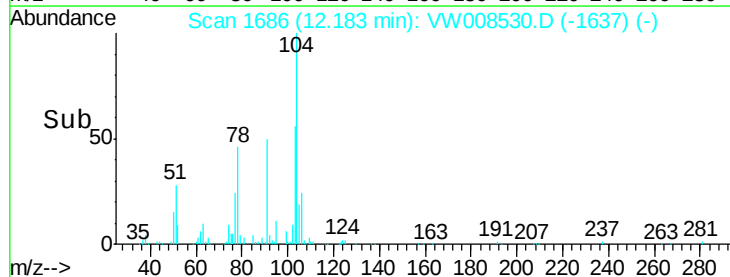
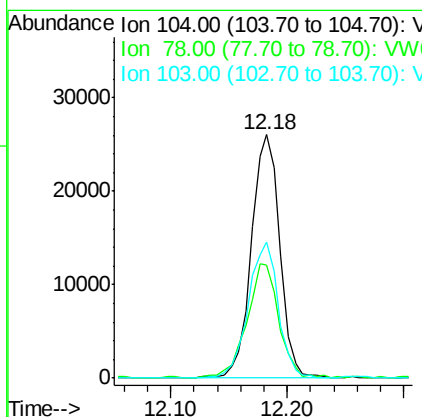
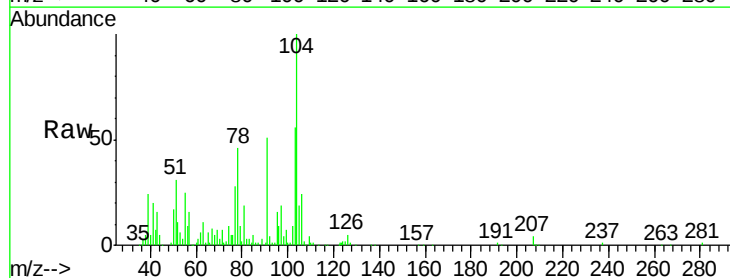
Instrument :
MSVOA_W
ClientSampleId :
HR-6A

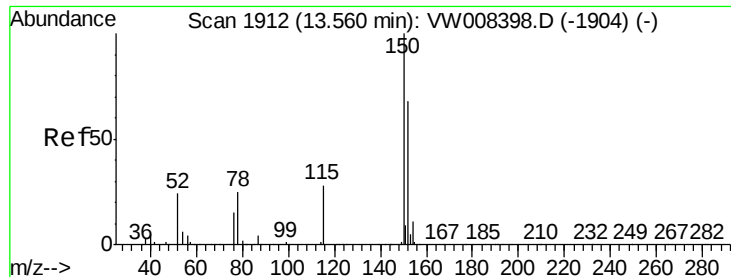
Tot Ion:106 Resp: 32639
Ion Ratio Lower Upper
106 100
91 206.6 107.5 322.4



#70
Styrene
Concen: 2.630 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion:104 Resp: 44307
Ion Ratio Lower Upper
104 100
78 53.1 42.4 63.6
103 59.3 43.4 65.0



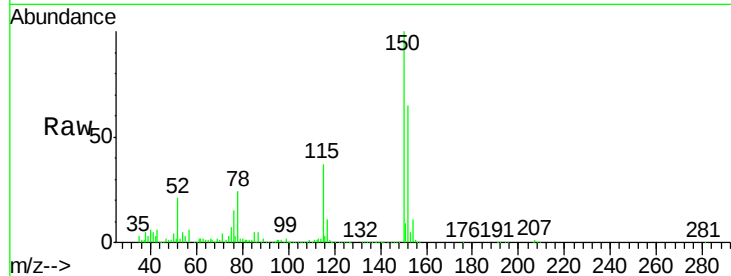


#72

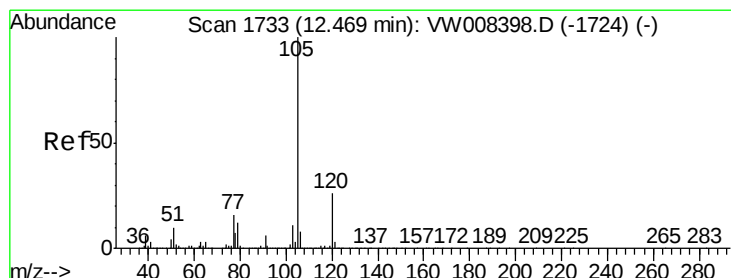
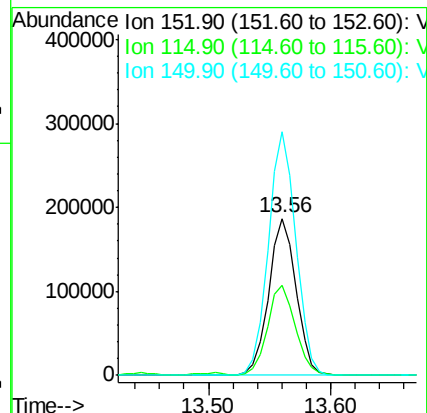
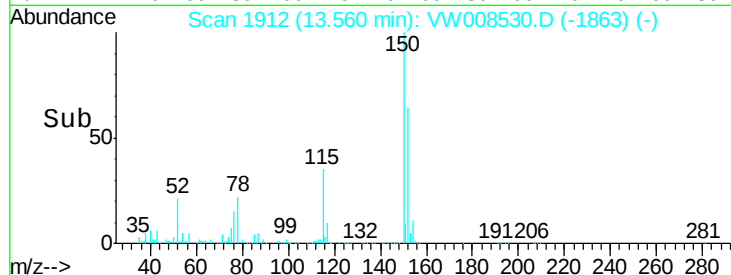
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :
HR-6A

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.9	89.7
150	155.9	0.0	351.4



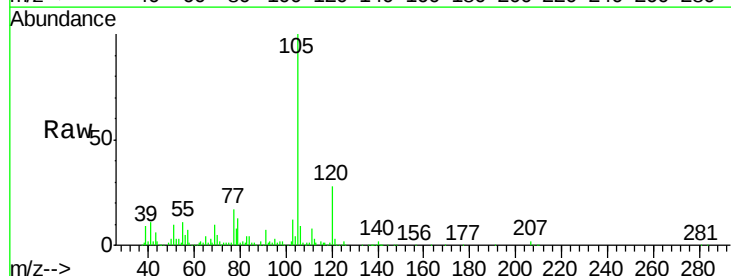
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



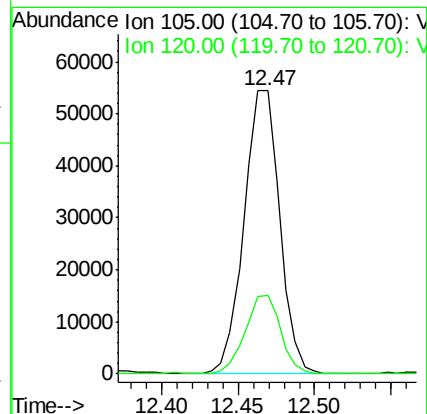
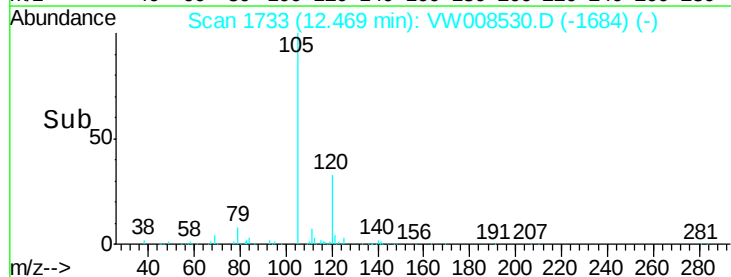
#73

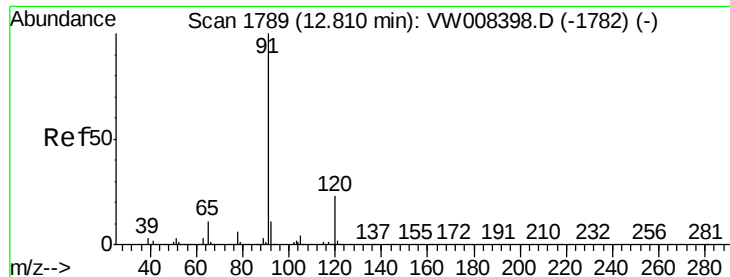
Isopropylbenzene
Concen: 4.070 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.8



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





#78

n-propylbenzene

Concen: 2.164 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

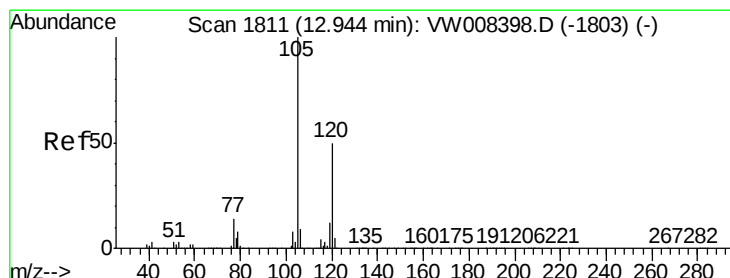
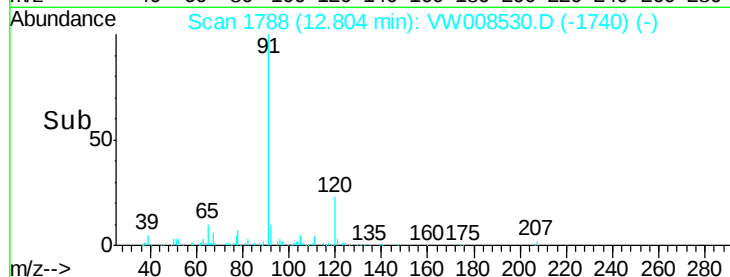
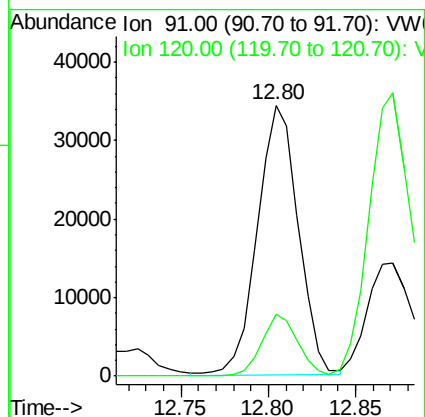
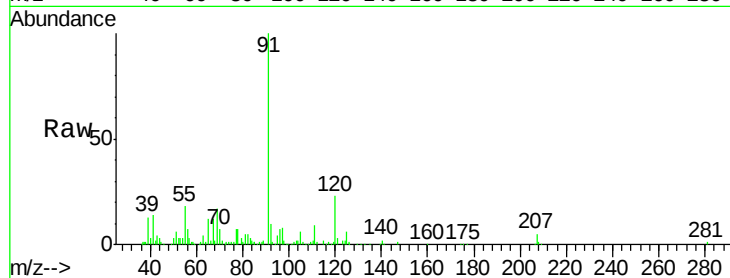
HR-6A

Tot Ion: 91 Resp: 56248

Ion Ratio Lower Upper

91 100

120 20.3 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 3.683 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008530.D

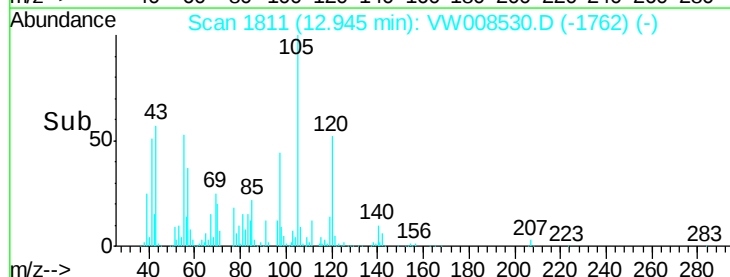
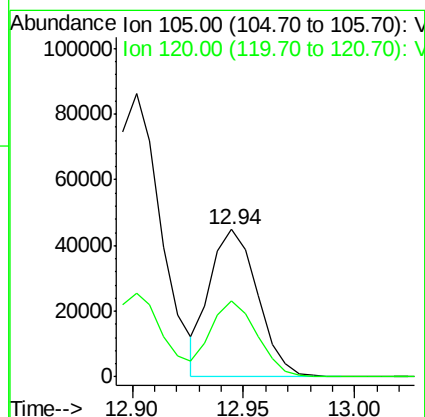
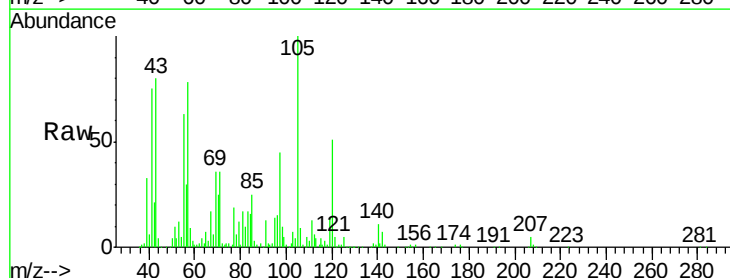
Acq: 06 Feb 2019 16:21

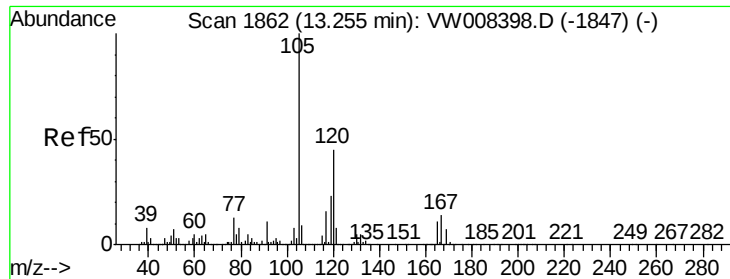
Tgt Ion: 105 Resp: 66637

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.8

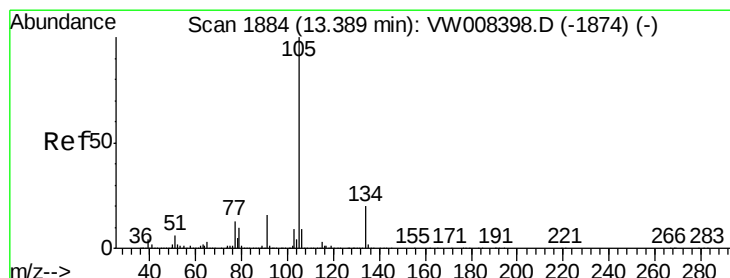
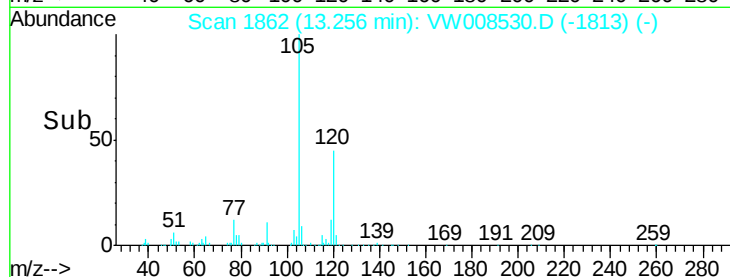
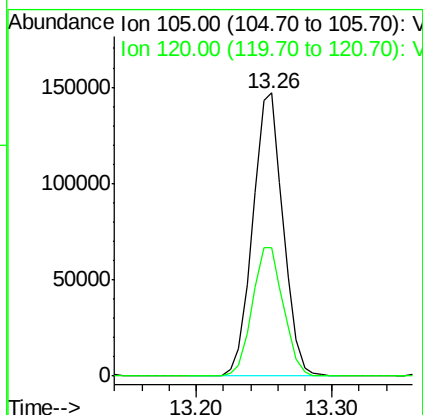
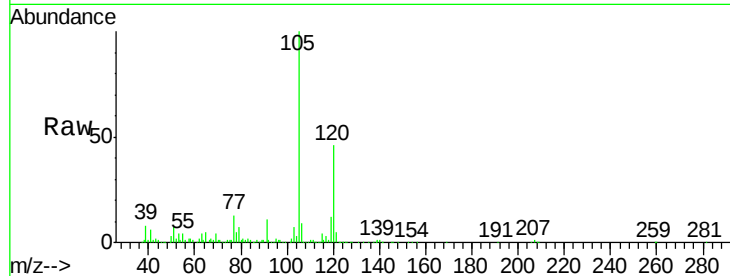




#84
1,2,4-Trimethylbenzene
Concen: 12.504 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

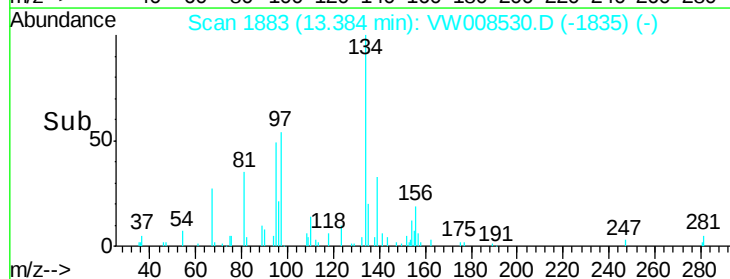
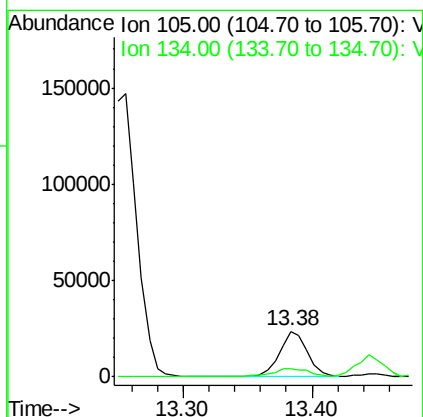
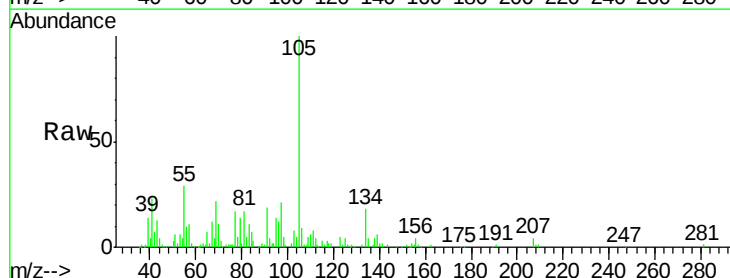
Instrument :
MSVOA_W
ClientSampled :
HR-6A

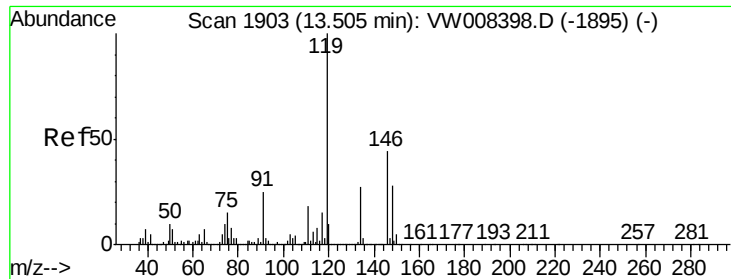
Tot Ion:105 Resp: 229935
Ion Ratio Lower Upper
105 100
120 46.9 23.1 69.2



#85
sec-Butylbenzene
Concen: 1.569 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VW008530.D
Acq: 06 Feb 2019 16:21

Tgt Ion:105 Resp: 36087
Ion Ratio Lower Upper
105 100
134 25.0 10.2 30.6

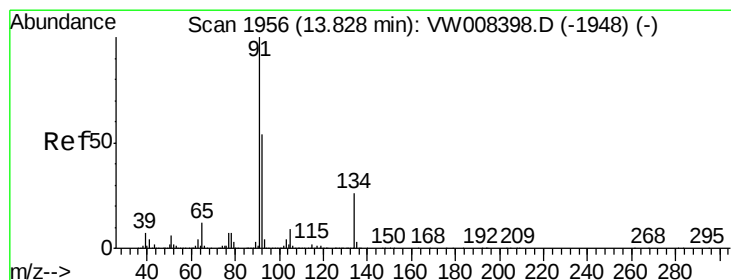
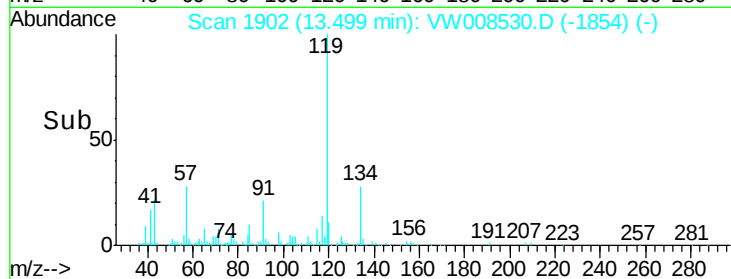
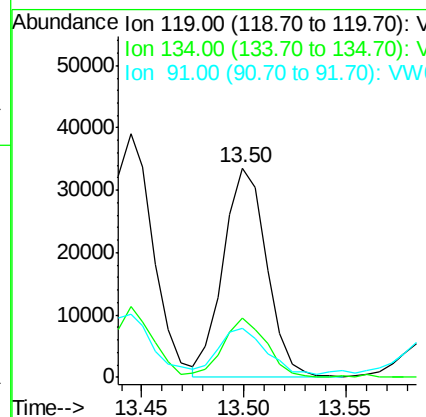
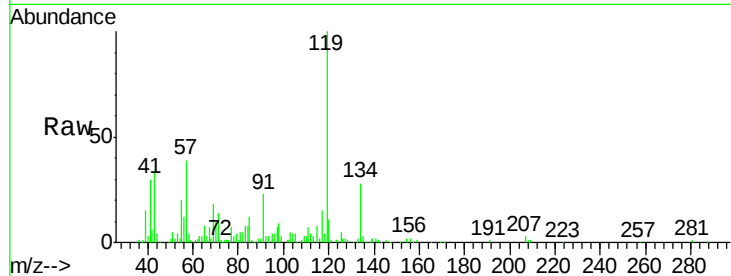




#86
 p-Isopropyltoluene
 Concen: 2.441 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008530.D
 Acq: 06 Feb 2019 16:21

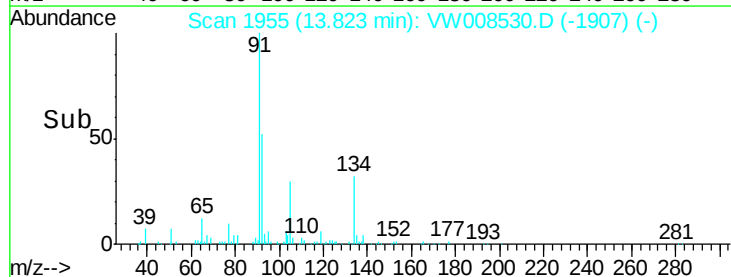
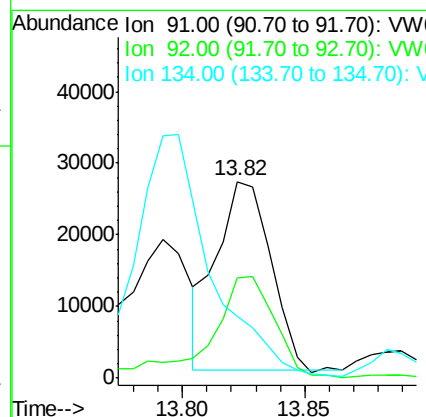
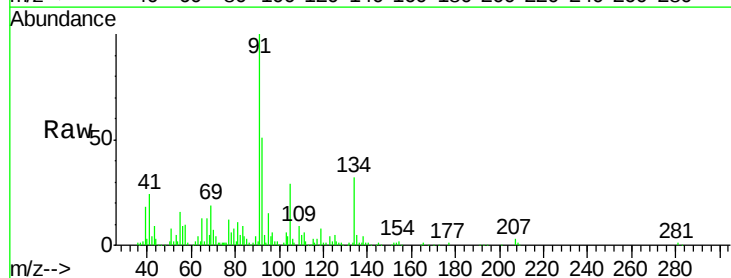
Instrument :
 MSVOA_W
 ClientSampled :
 HR-6A

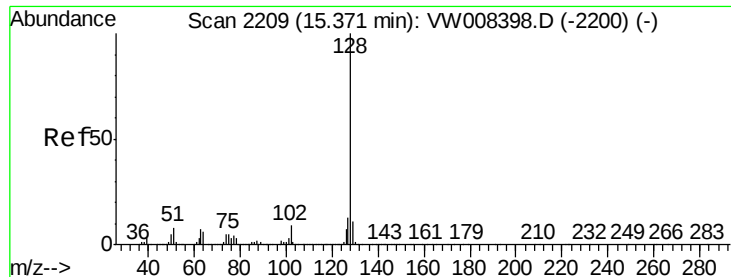
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.4	40.2
91	24.0	12.6	37.6



#89
 n-Butylbenzene
 Concen: 2.050 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: VW008530.D
 Acq: 06 Feb 2019 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.3	27.4	82.2
134	0.0	13.0	39.0





#95

Naphthalene

Concen: 7.036 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008530.D

Acq: 06 Feb 2019 16:21

Instrument :

MSVOA_W

ClientSampleId :

HR-6A

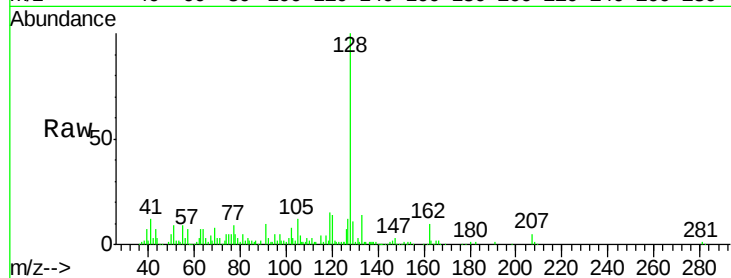
Tot Ion:128 Resp: 74477

Ion Ratio Lower Upper

128 100

127 16.2 10.6 15.8#

129 13.0 8.7 13.1



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

