

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010851.D
 Acq On : 19 Jun 2019 15:33
 Operator : SY/VA
 Sample : K3163-11RE
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-061719-BRE

Quant Time: Jun 20 06:10:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106435	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	163223	60.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.82%	
35) Dibromofluoromethane	7.88	113	117915	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
50) Toluene-d8	10.32	98	455230	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.62	95	144531	42.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.50%	

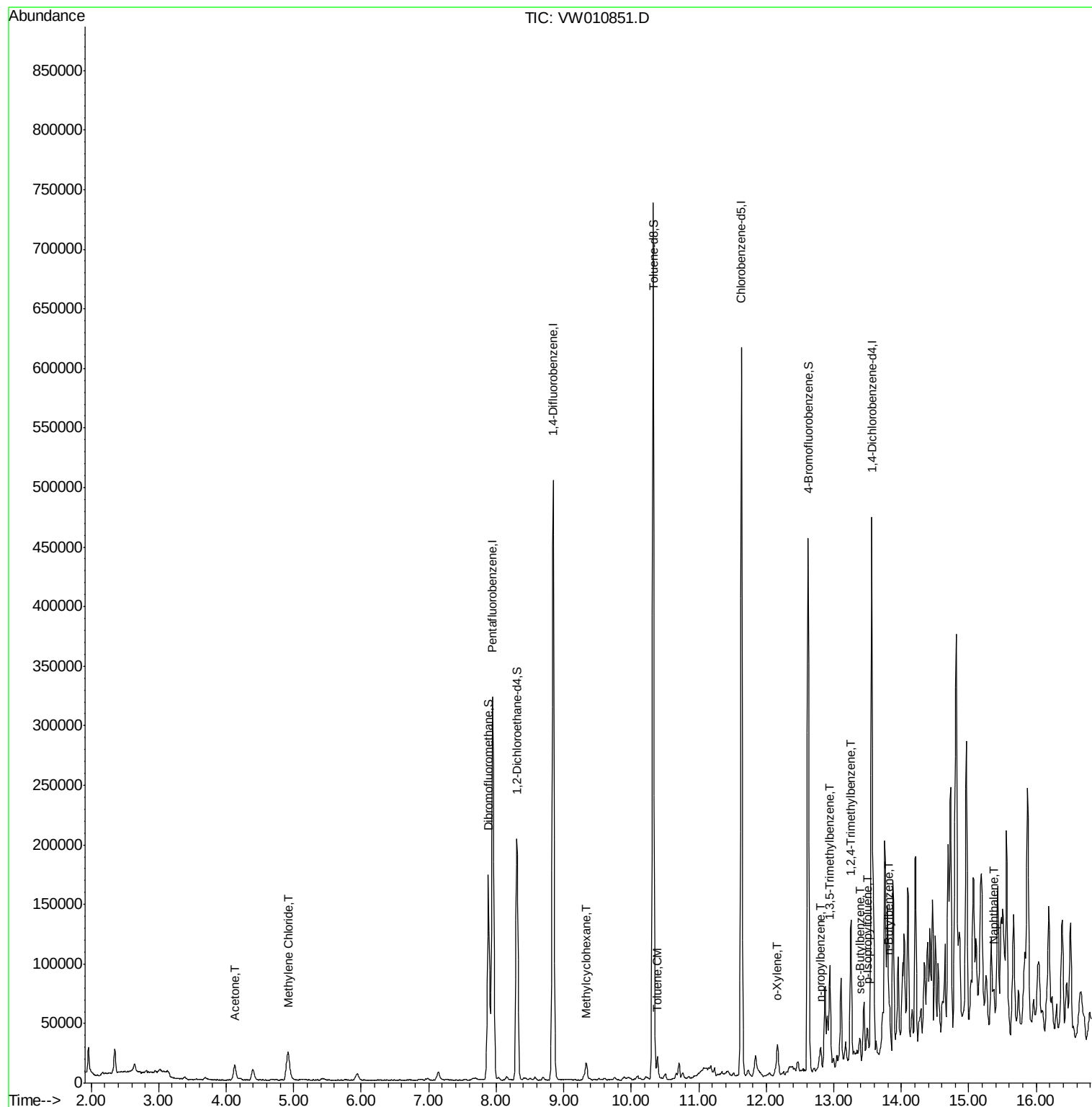
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	24526	33.879	ug/l	99
20) Methylene Chloride	4.92	84	16851	6.635	ug/l	96
39) Methylcyclohexane	9.34	83	5248	1.033	ug/l	98
52) Toluene	10.38	92	7178	1.070	ug/l	99
69) o-Xylene	12.16	106	6280	1.577	ug/l	94
78) n-propylbenzene	12.80	91	13311	1.380	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	30266	4.623	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	63187	9.591	ug/l	100
85) sec-Butylbenzene	13.39	105	11985	1.482	ug/l	88
86) p-Isopropyltoluene	13.50	119	8736	1.208	ug/l	98
89) n-Butylbenzene	13.82	91	20780	2.879	ug/l #	80
95) Naphthalene	15.37	128	13301	3.445	ug/l #	94

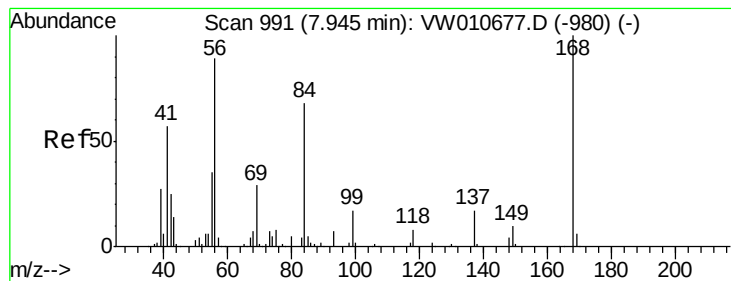
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

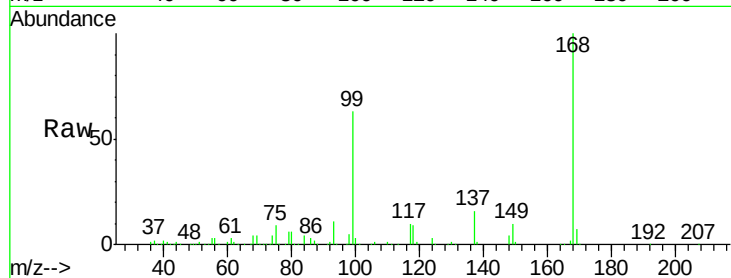
SU-03-061719-BRE

Tot Ion:168 Resp: 229217

Ion Ratio Lower Upper

168 100

99 63.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

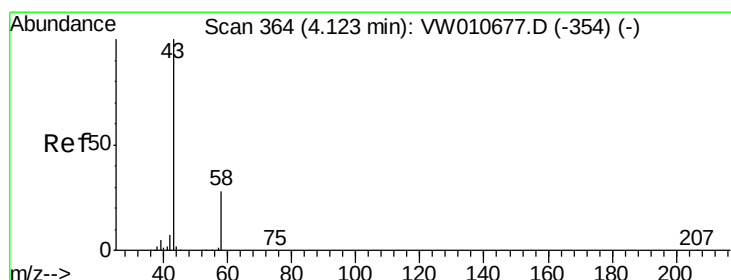
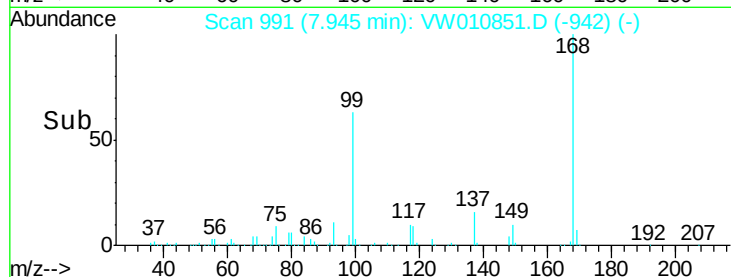
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 33.879 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010851.D

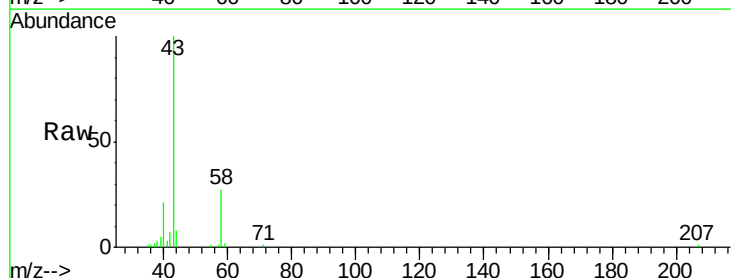
Acq: 19 Jun 2019 15:33

Tgt Ion: 43 Resp: 24526

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

10000

8000

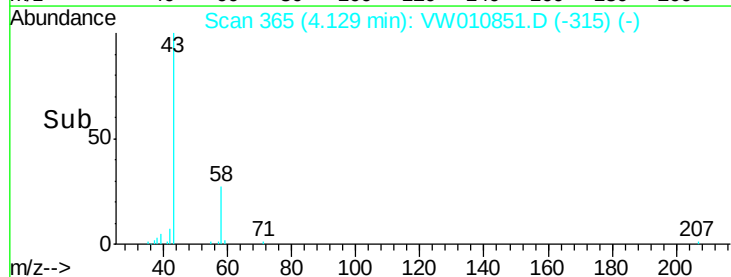
6000

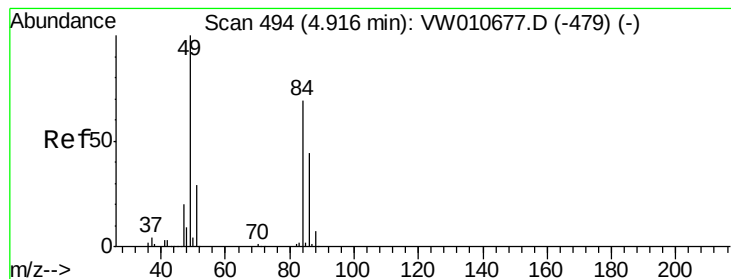
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 6.635 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

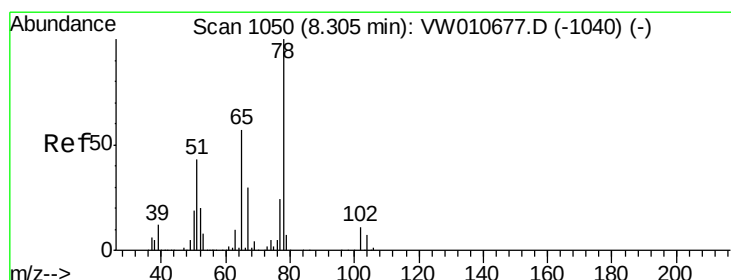
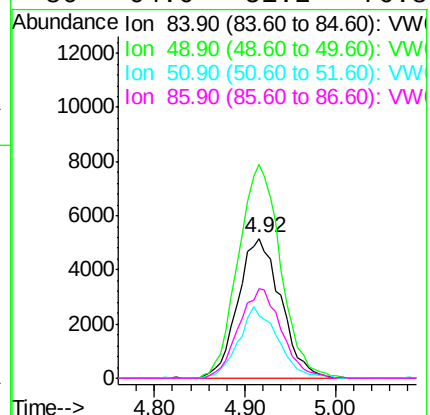
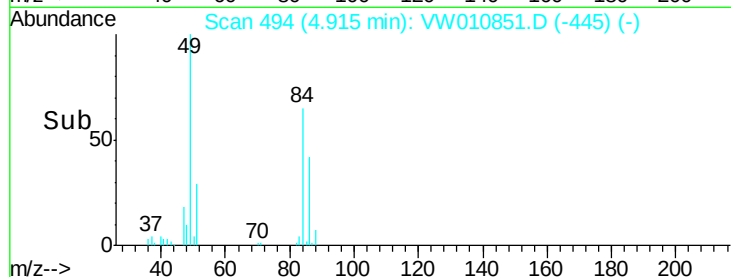
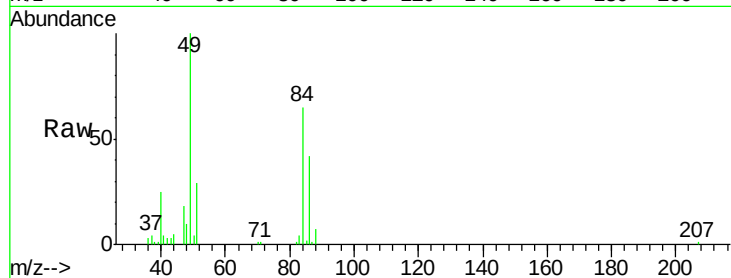
MSVOA_W

ClientSampleId :

SU-03-061719-BRE

Tot Ion: 84 Resp: 16851

Ion	Ratio	Lower	Upper
84	100		
49	152.8	116.7	175.1
51	44.9	34.2	51.2
86	64.0	51.2	76.8



#33

1,2-Dichloroethane-d4

Concen: 60.415 ug/l

RT: 8.31 min Scan# 1050

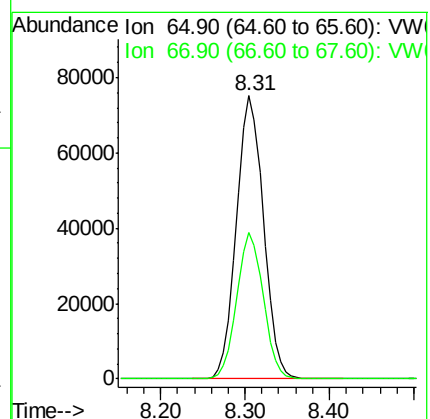
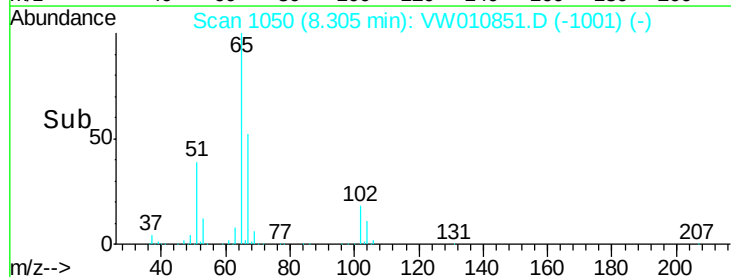
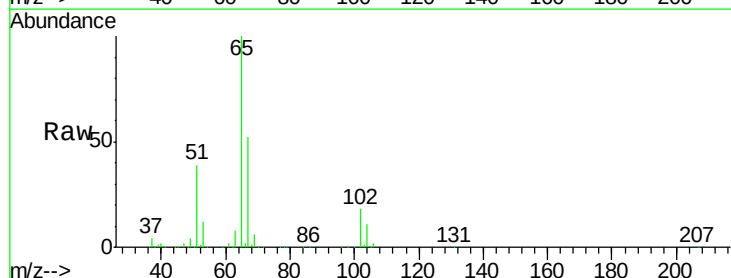
Delta R.T. -0.00 min

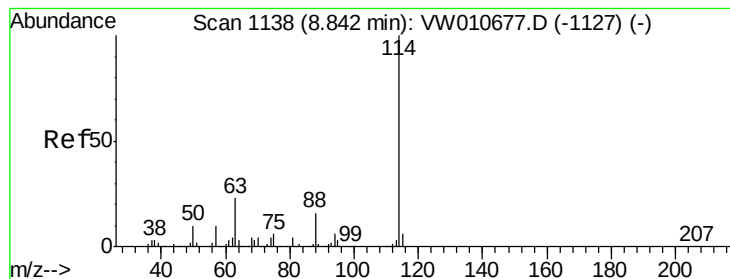
Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Tgt Ion: 65 Resp: 163223

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-BRE

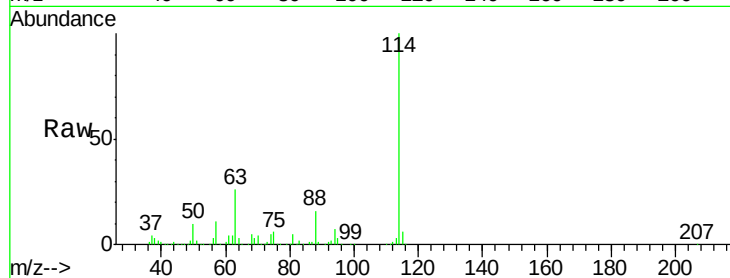
Tot Ion:114 Resp: 390352

Ion Ratio Lower Upper

114 100

63 25.6 0.0 46.4

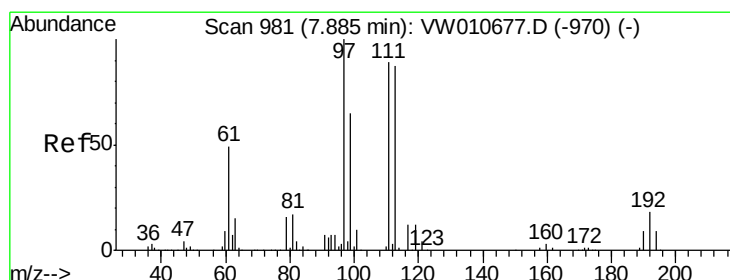
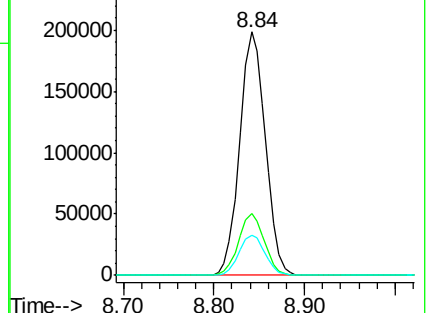
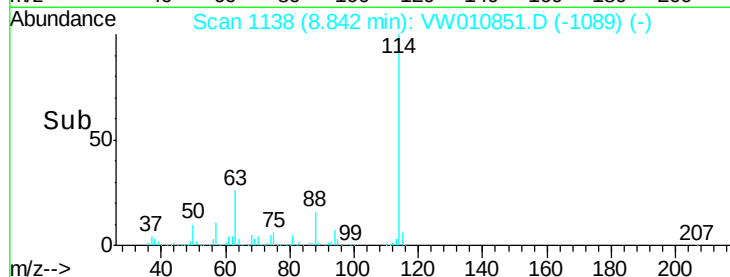
88 16.2 0.0 32.2



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: 55.653 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

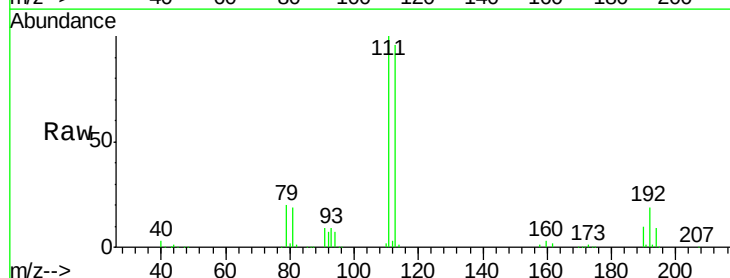
Tgt Ion:113 Resp: 117915

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

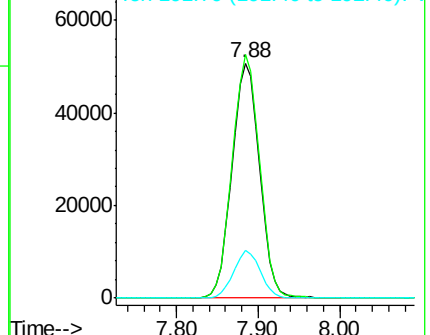
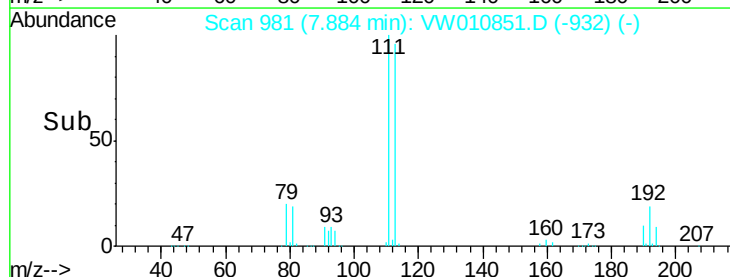
192 19.8 16.4 24.6

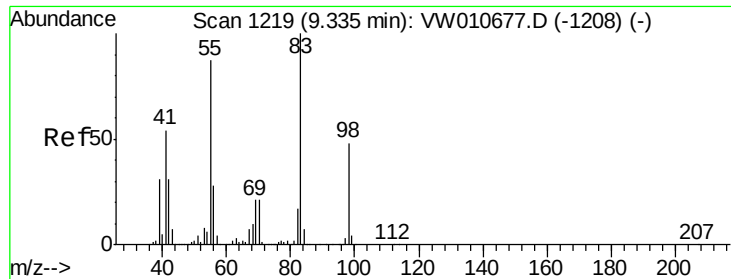


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

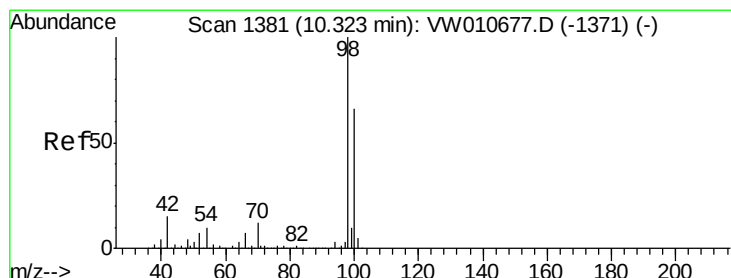
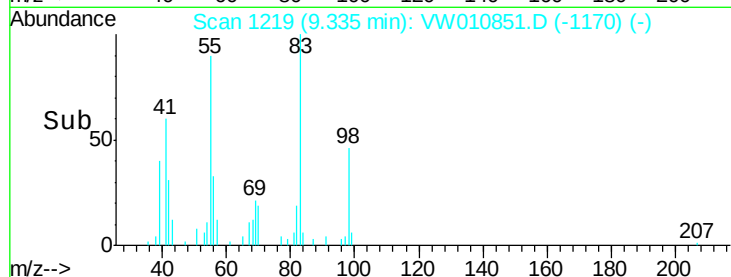
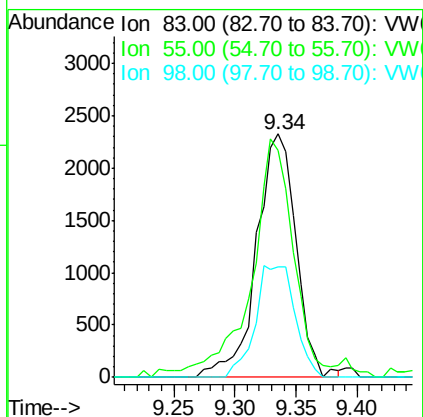
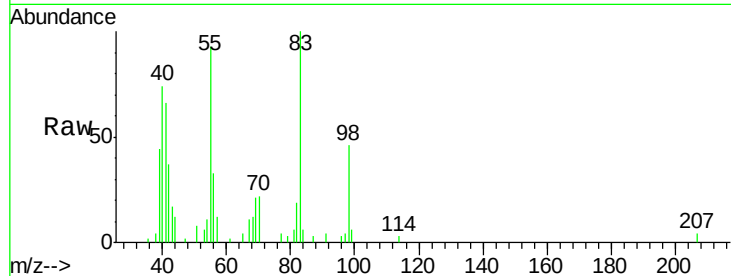




#39
Methylcyclohexane
Concen: 1.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010851.D
Acq: 19 Jun 2019 15:33

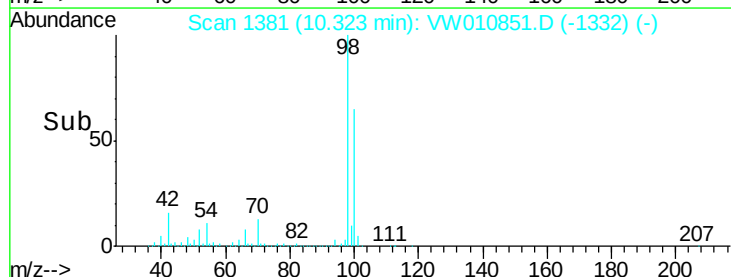
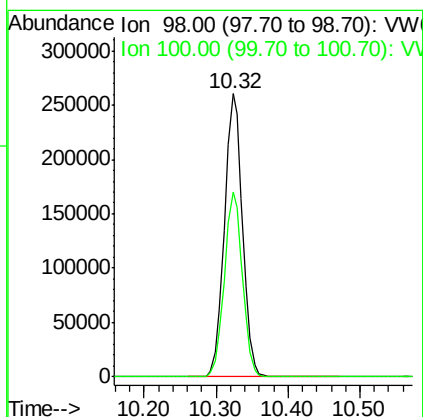
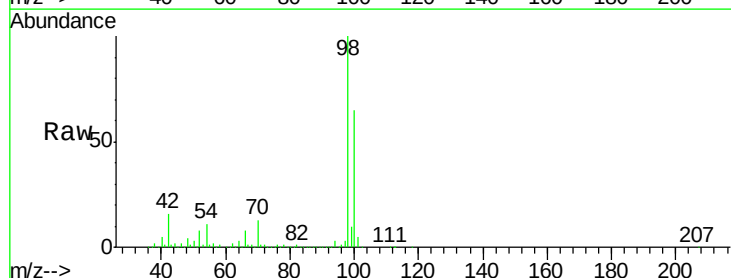
Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-BRE

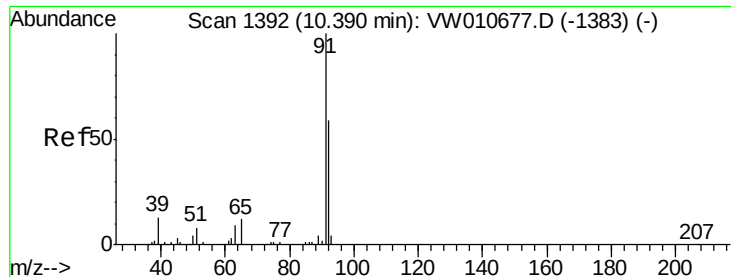
Tot Ion: 83 Resp: 5248
Ion Ratio Lower Upper
83 100
55 89.2 70.0 105.0
98 45.5 38.1 57.1



#50
Toluene-d8
Concen: 48.997 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010851.D
Acq: 19 Jun 2019 15:33

Tgt Ion: 98 Resp: 455230
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6





#52

Toluene

Concen: 1.070 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

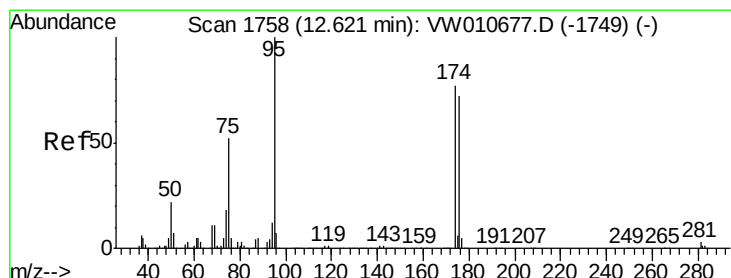
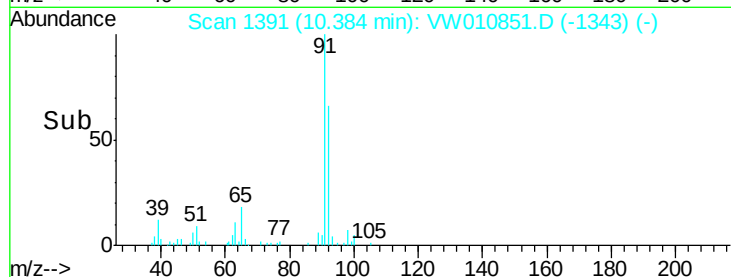
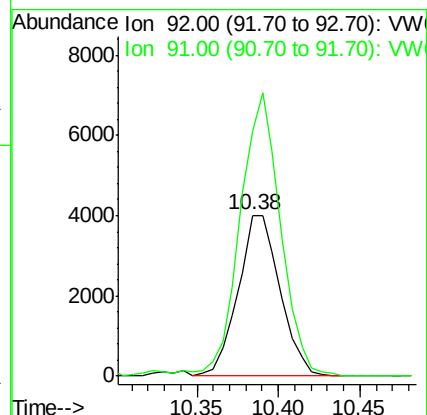
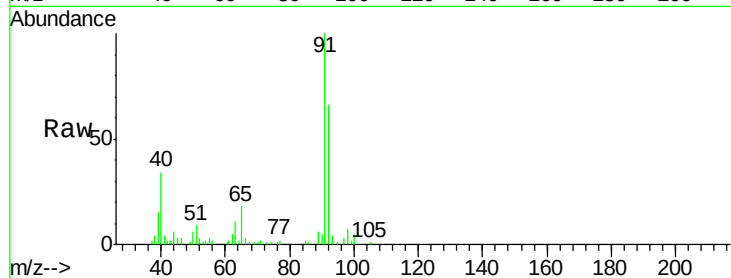
SU-03-061719-BRE

Tot Ion: 92 Resp: 7178

Ion Ratio Lower Upper

92 100

91 170.0 134.9 202.3



#62

4-Bromofluorobenzene

Concen: 42.750 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

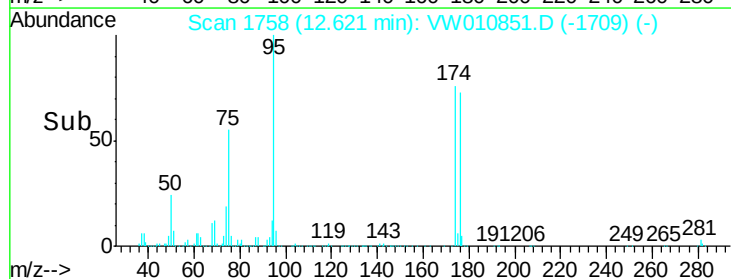
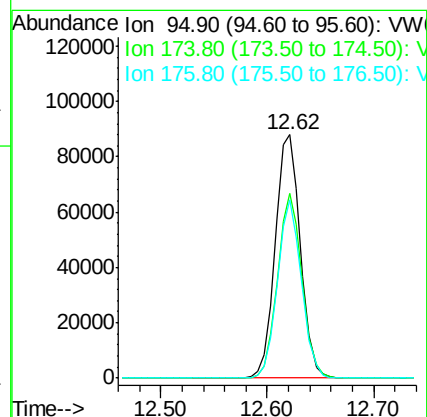
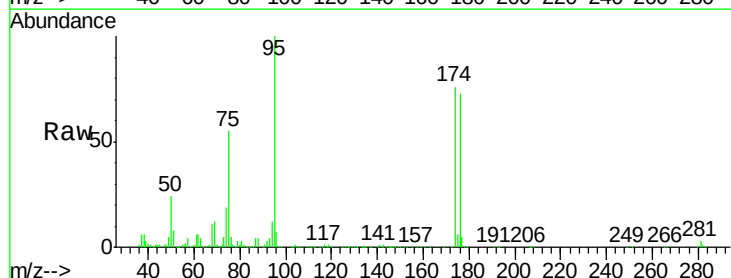
Tgt Ion: 95 Resp: 144531

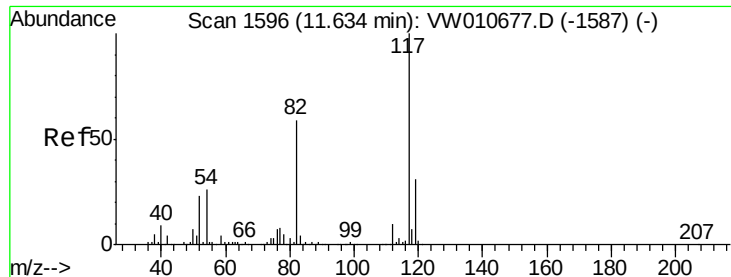
Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.4

176 70.0 0.0 144.8

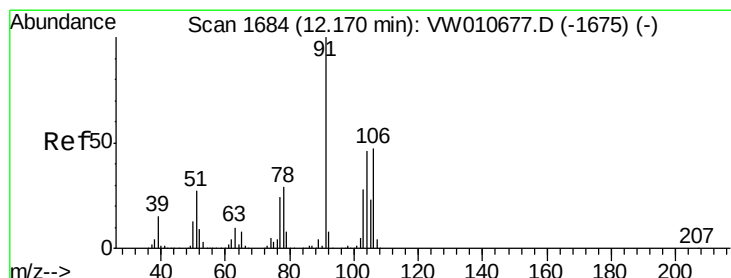
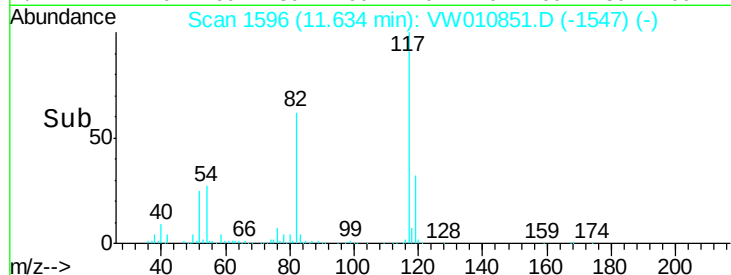
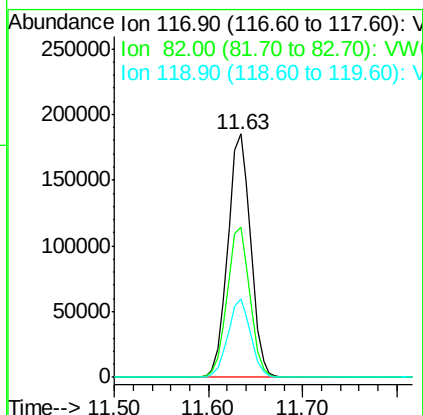
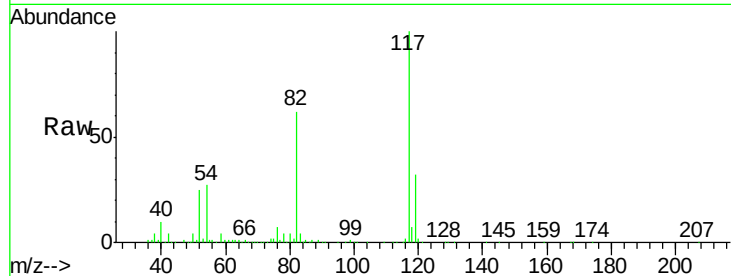




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010851.D
Acq: 19 Jun 2019 15:33

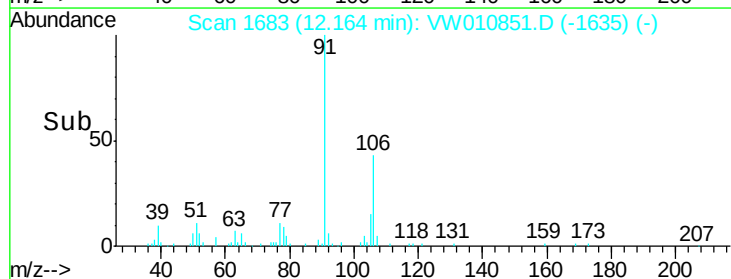
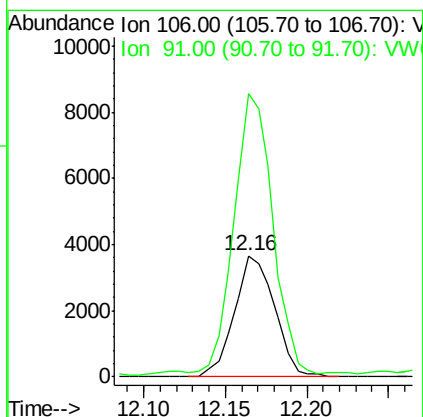
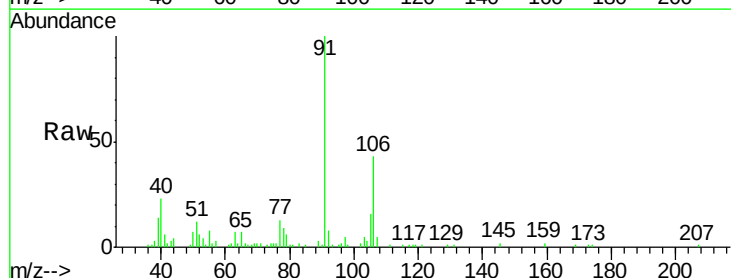
Instrument :
MSVOA_W
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SU-03-061719-BRE

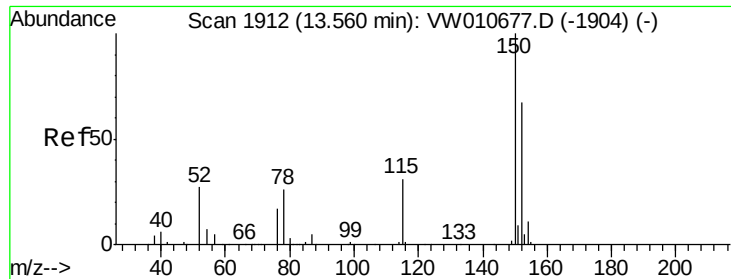
Tot Ion:117 Resp: 310365
Ion Ratio Lower Upper
117 100
82 61.6 47.0 70.4
119 32.4 25.1 37.7



#69
o-Xylene
Concen: 1.577 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010851.D
Acq: 19 Jun 2019 15:33

Tgt Ion:106 Resp: 6280
Ion Ratio Lower Upper
106 100
91 226.5 108.9 326.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-BRE

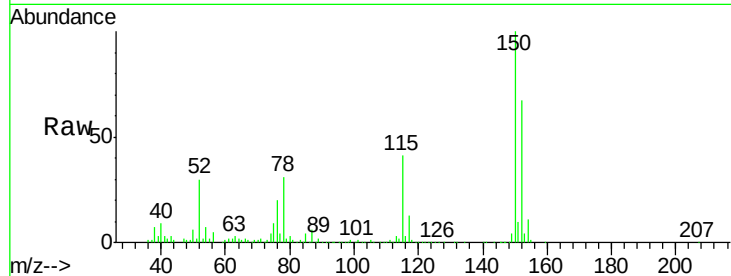
Tot Ion:152 Resp: 106435

Ion Ratio Lower Upper

152 100

115 63.2 29.8 89.3

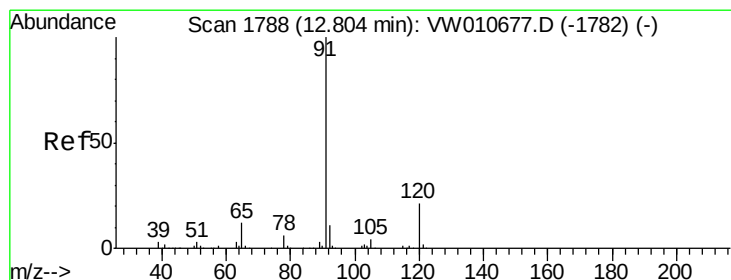
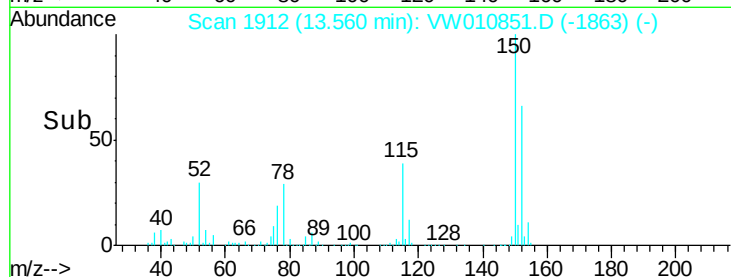
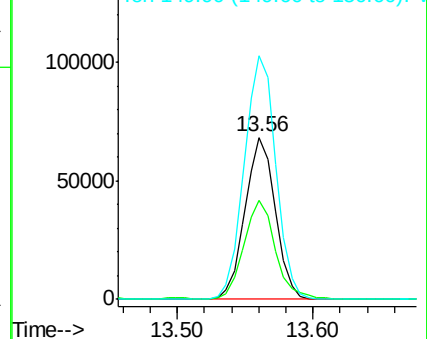
150 157.0 0.0 345.0



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



#78

n-propylbenzene

Concen: 1.380 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010851.D

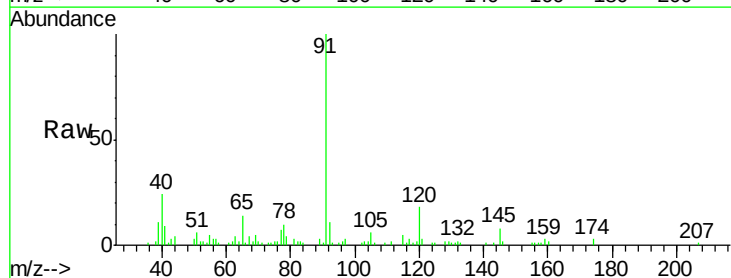
Acq: 19 Jun 2019 15:33

Tgt Ion: 91 Resp: 13311

Ion Ratio Lower Upper

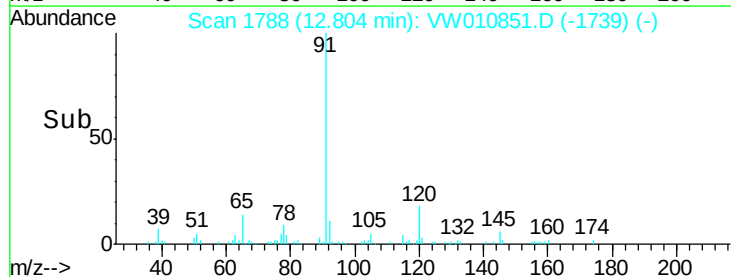
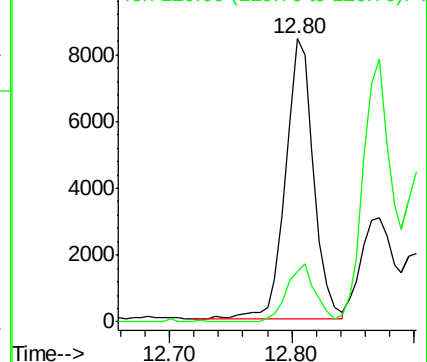
91 100

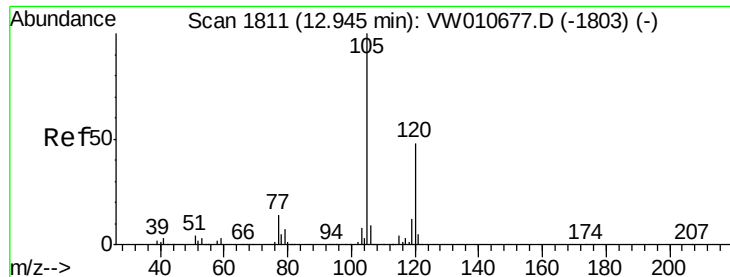
120 20.9 10.8 32.4



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: 4.623 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

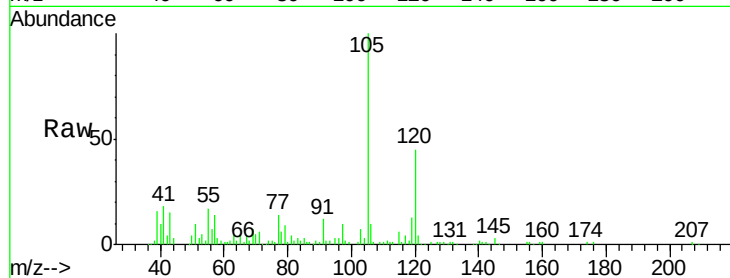
SU-03-061719-BRE

Tot Ion:105 Resp: 30266

Ion Ratio Lower Upper

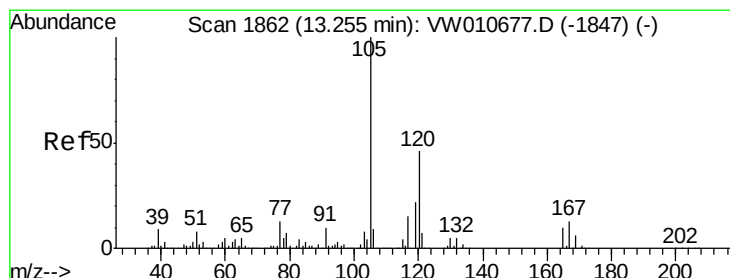
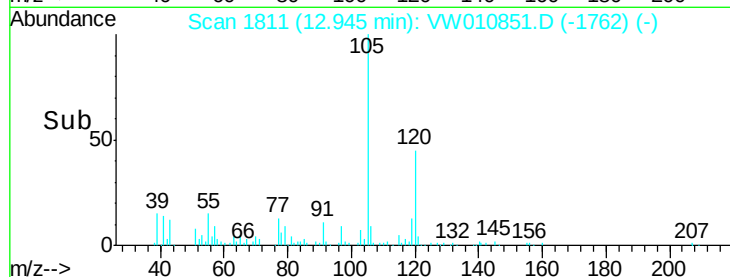
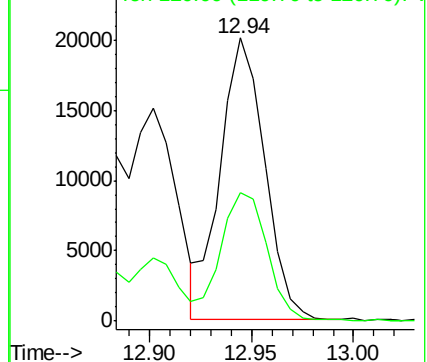
105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.591 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010851.D

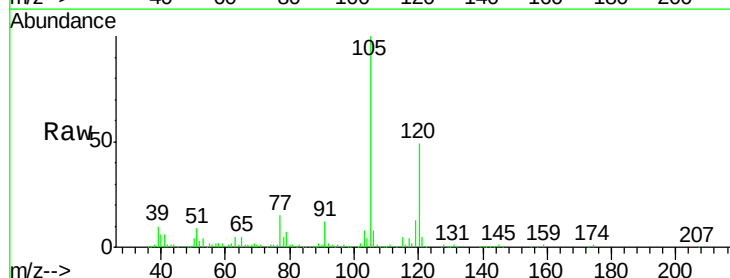
Acq: 19 Jun 2019 15:33

Tgt Ion:105 Resp: 63187

Ion Ratio Lower Upper

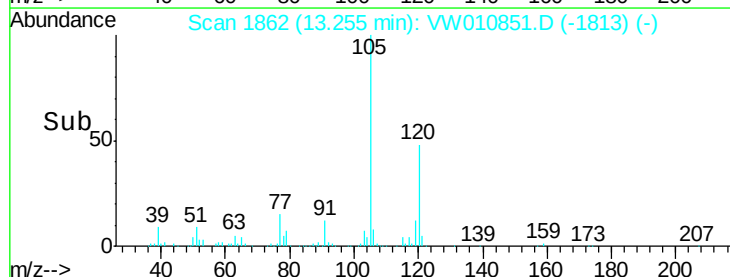
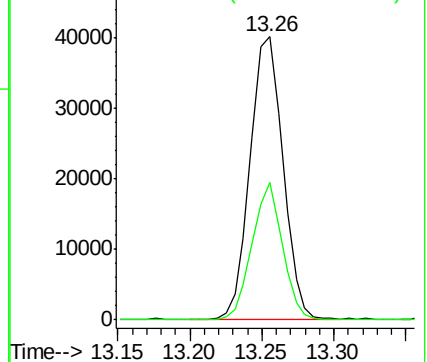
105 100

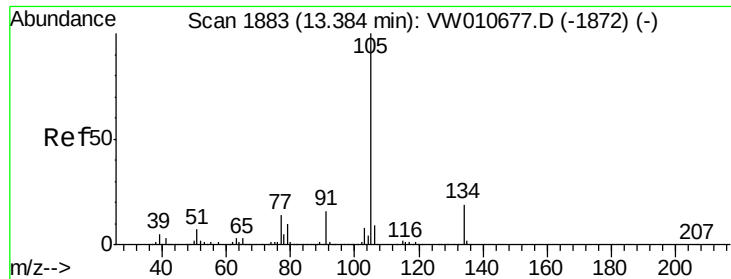
120 44.8 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

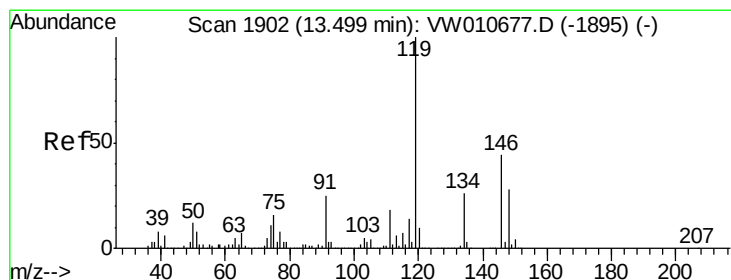
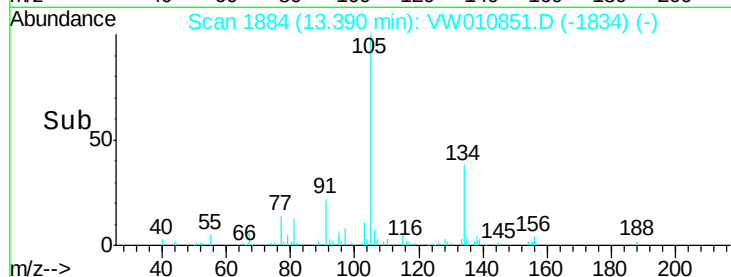
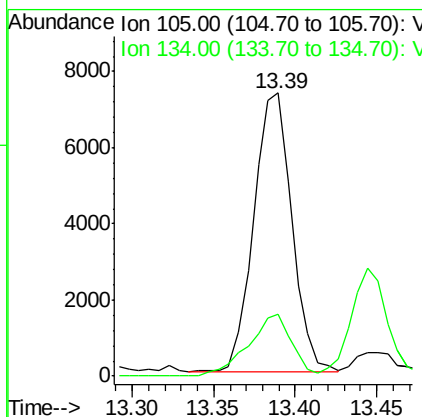
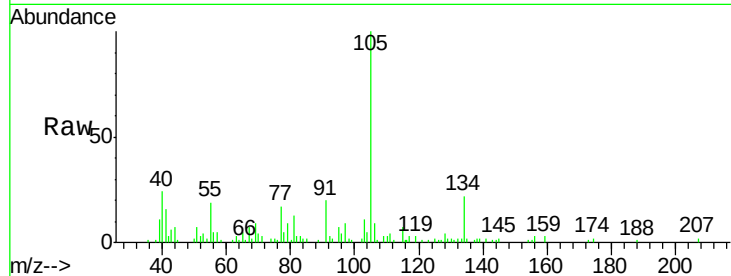




#85
 sec-Butylbenzene
 Concen: 1.482 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010851.D
 Acq: 19 Jun 2019 15:33

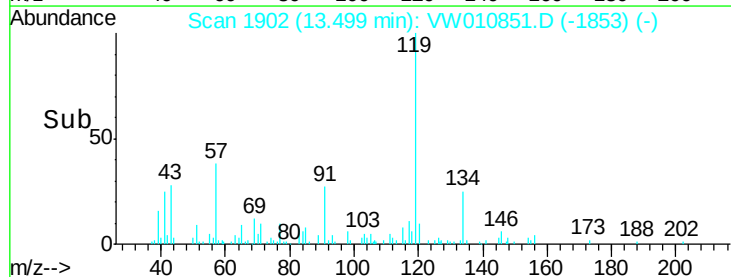
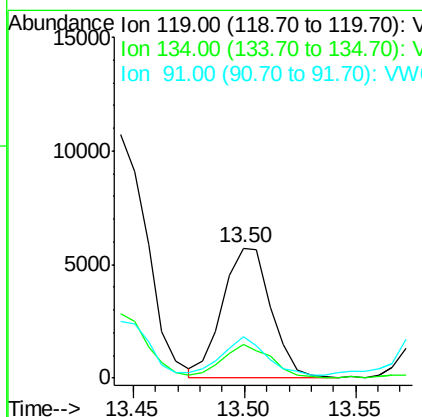
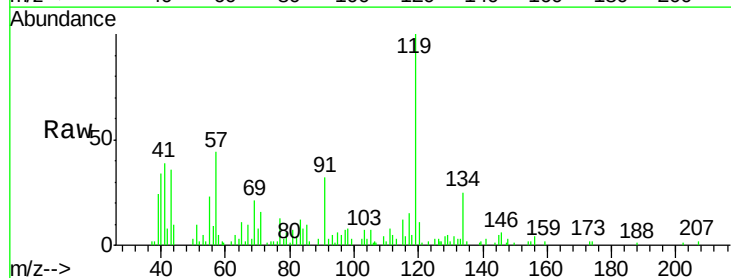
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-061719-BRE

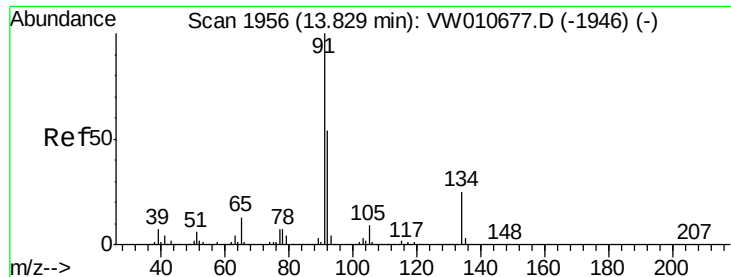
Tot Ion:105 Resp: 11985
 Ion Ratio Lower Upper
 105 100
 134 24.9 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 1.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010851.D
 Acq: 19 Jun 2019 15:33

Tgt Ion:119 Resp: 8736
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 26.3 12.2 36.4





#89

n-Butylbenzene

Concen: 2.879 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-BRE

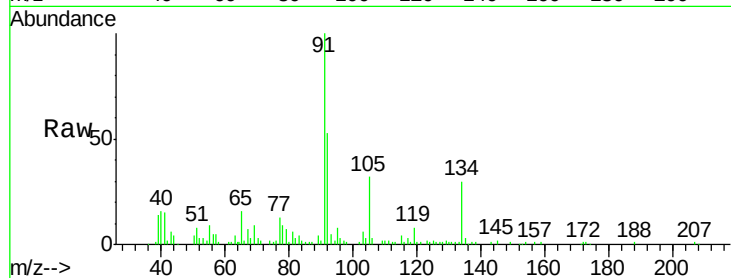
Tot Ion: 91 Resp: 20780

Ion Ratio Lower Upper

91 100

92 59.8 27.3 81.8

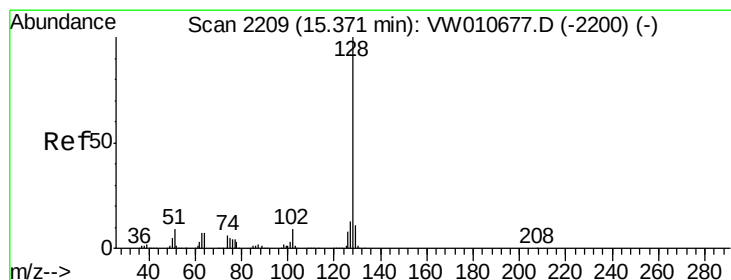
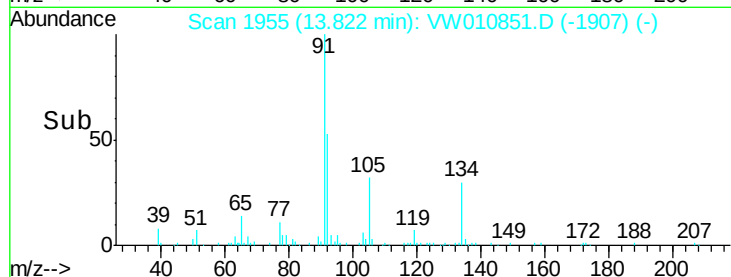
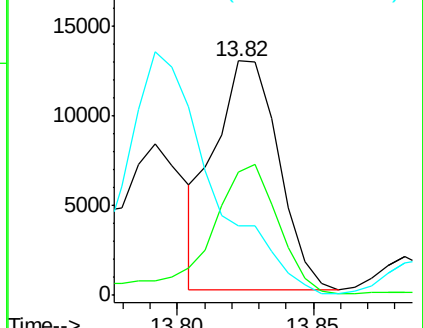
134 0.0 12.3 36.9#



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



#95

Naphthalene

Concen: 3.445 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010851.D

Acq: 19 Jun 2019 15:33

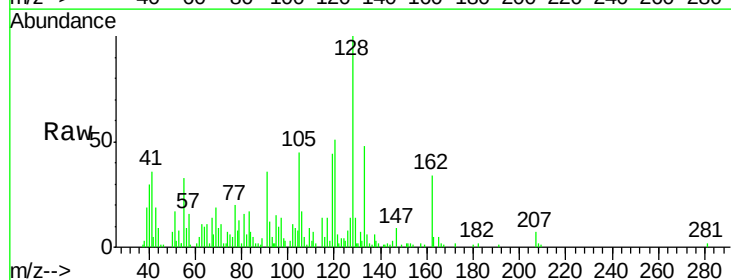
Tgt Ion:128 Resp: 13301

Ion Ratio Lower Upper

128 100

127 11.5 10.6 15.8

129 8.0 8.6 13.0#



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

