

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009142.D
 Acq On : 13 Mar 2019 08:03
 Operator : SY/VA
 Sample : K1687-05
 Misc : 6.78G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-031119-C

Quant Time: Mar 13 08:48:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	178183	60.30	ug/l	0.00
Spiked Amount			Recovery	=	120.60%	
35) Dibromofluoromethane	7.88	113	138902	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.32	98	553867	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.62	95	199050	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

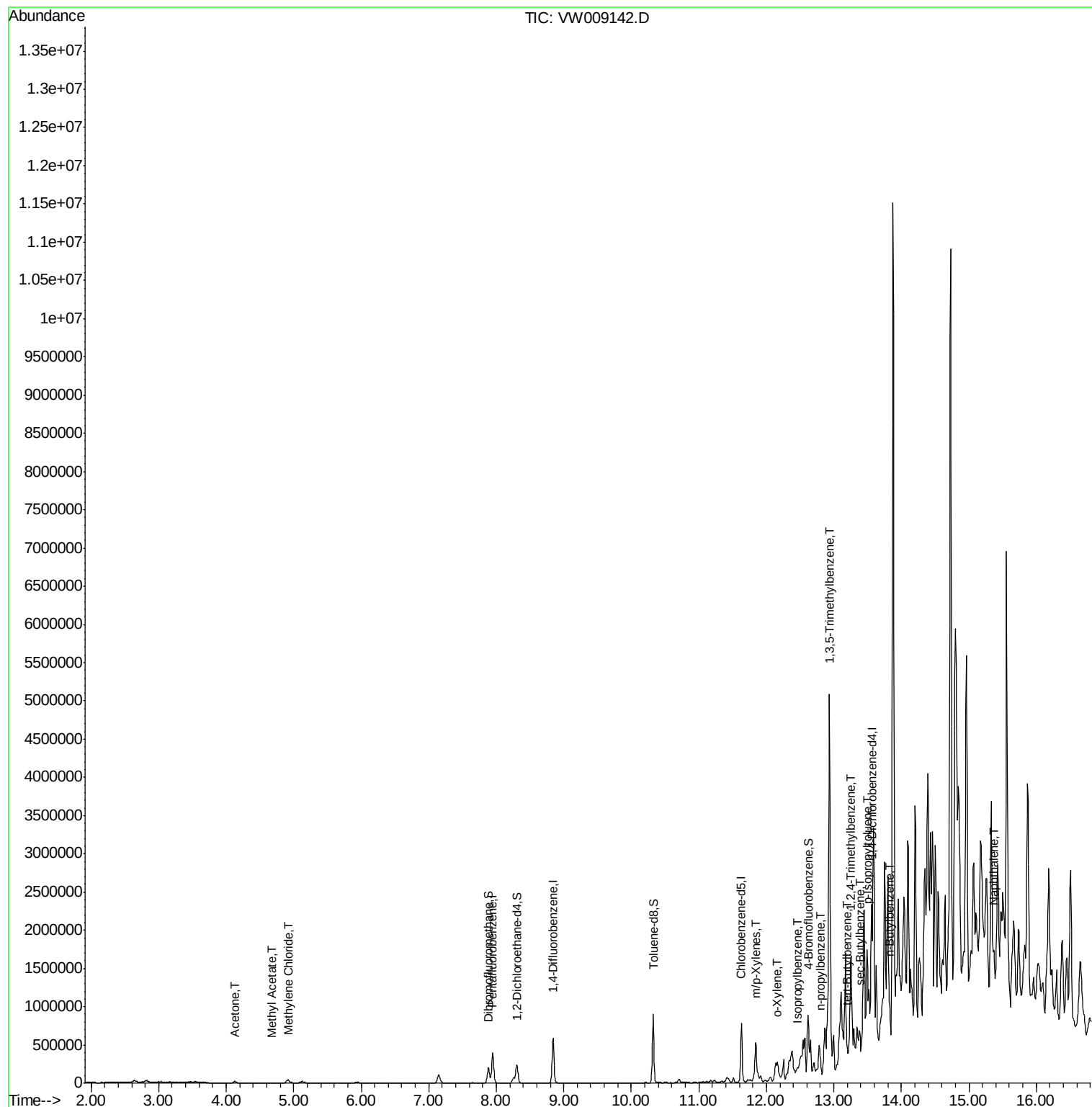
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	29481	44.215	ug/l	96
18) Methyl Acetate	4.67	43	5426	3.539	ug/l	93
20) Methylene Chloride	4.92	84	28410	4.074	ug/l	92
68) m/p-Xylenes	11.83	106	24085	3.791	ug/l	99
69) o-Xylene	12.16	106	46215	7.817	ug/l	99
73) Isopropylbenzene	12.46	105	23306	1.637	ug/l	93
78) n-propylbenzene	12.80	91	97379	5.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	588086	47.935	ug/l	100
83) tert-Butylbenzene	13.21	119	14347	1.387	ug/l	83
84) 1,2,4-Trimethylbenzene	13.26	105	705955	56.884	ug/l	99
85) sec-Butylbenzene	13.38	105	100777	6.574	ug/l	80
86) p-Isopropyltoluene	13.50	119	271082	19.767	ug/l	99
89) n-Butylbenzene	13.83	91	180671	13.858	ug/l #	67
95) Naphthalene	15.37	128	367801	55.176	ug/l #	94

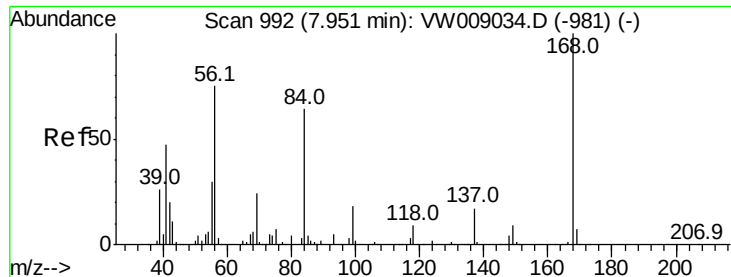
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

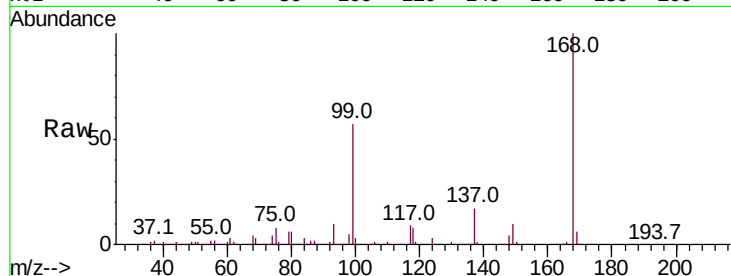
HR-06-031119-C

Tot Ion:168 Resp: 293683

Ion Ratio Lower Upper

168 100

99 56.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

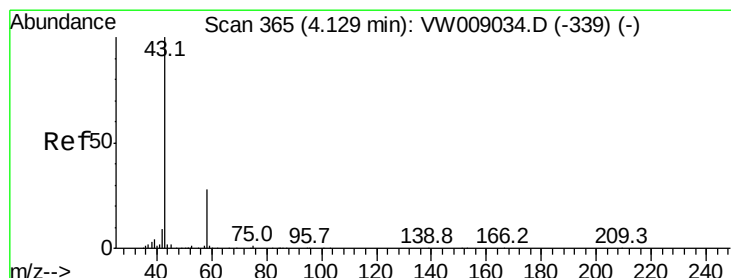
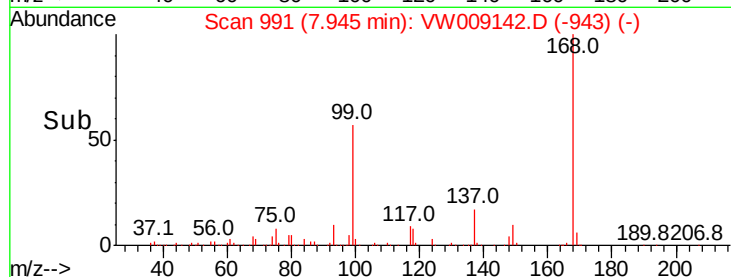
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 44.215 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009142.D

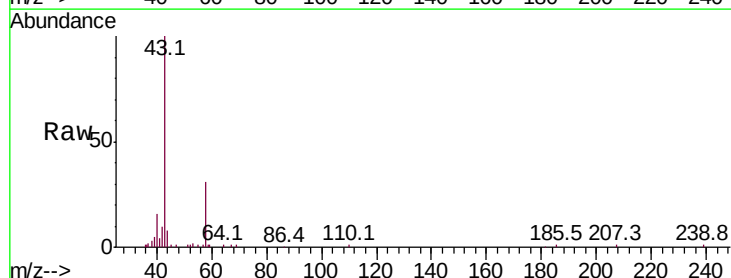
Acq: 13 Mar 2019 08:03

Tgt Ion: 43 Resp: 29481

Ion Ratio Lower Upper

43 100

58 30.4 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

12000

10000

8000

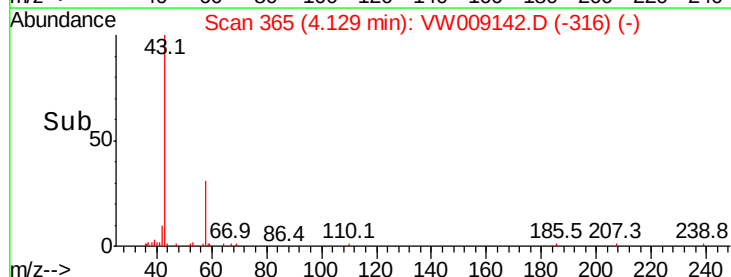
6000

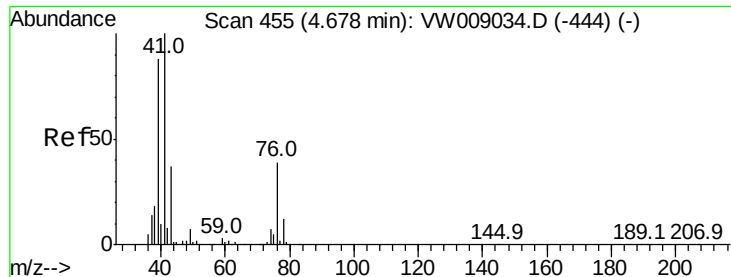
4000

2000

0

Time-->

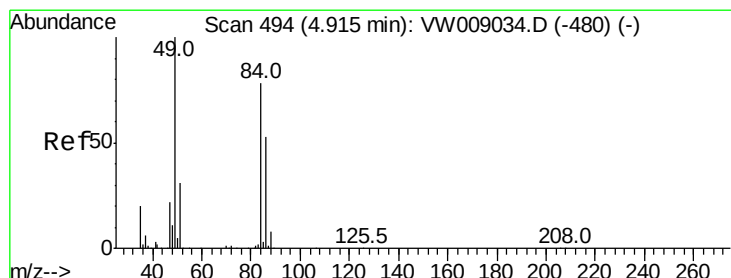
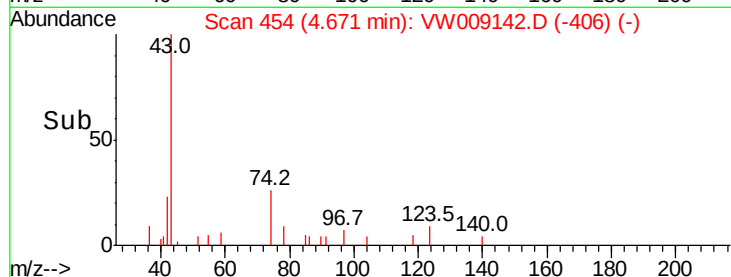
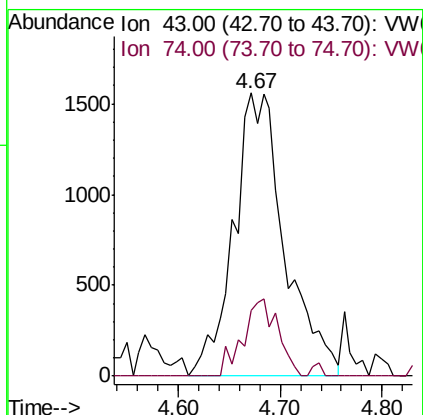
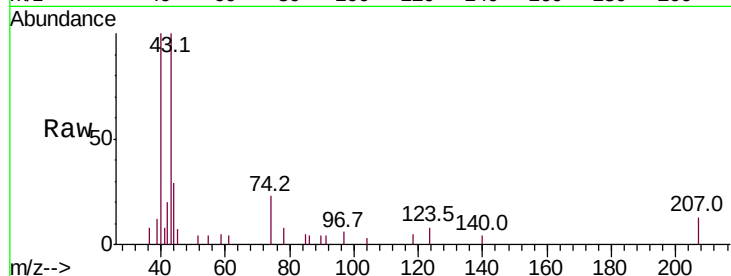




#18
Methyl Acetate
Concen: 3.539 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

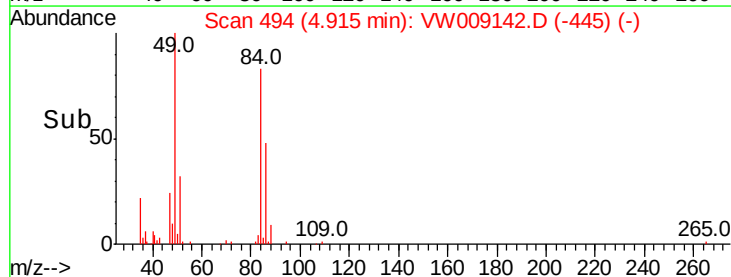
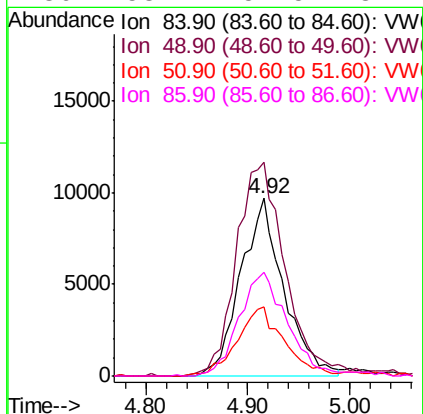
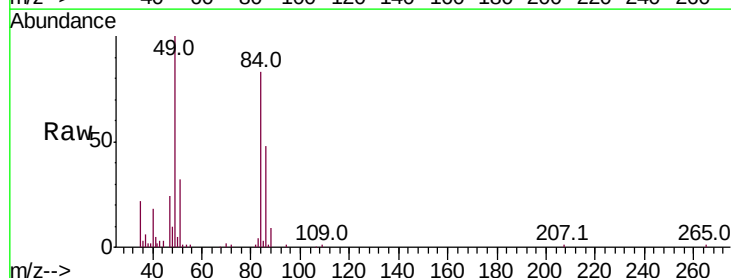
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HR-06-031119-C

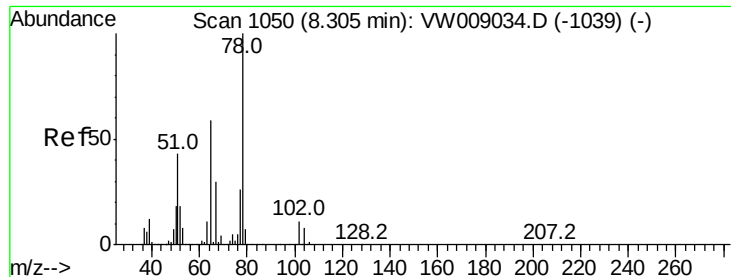
Tot Ion: 43 Resp: 5426
Ion Ratio Lower Upper
43 100
74 18.6 17.6 26.4



#20
Methylene Chloride
Concen: 4.074 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Tgt Ion: 84 Resp: 28410
Ion Ratio Lower Upper
84 100
49 119.4 102.4 153.6
51 37.7 31.6 47.4
86 58.1 54.5 81.7





#33

1,2-Dichloroethane-d4

Concen: 60.304 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

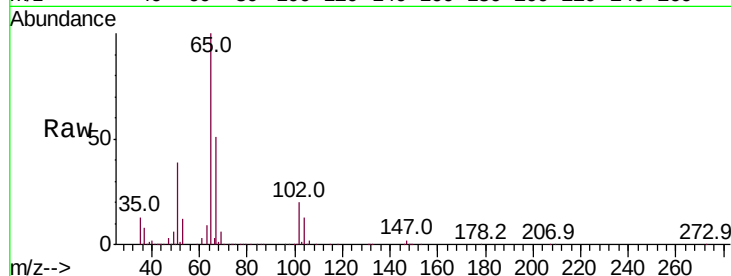
HR-06-031119-C

Tot Ion: 65 Resp: 178183

Ion Ratio Lower Upper

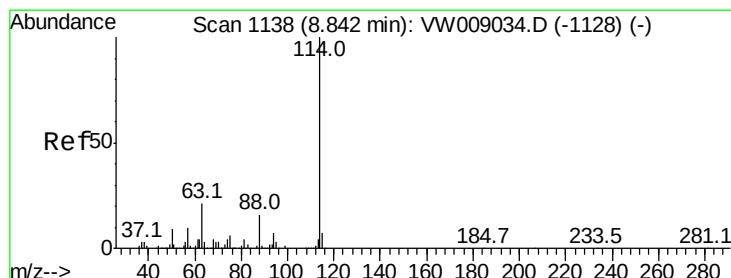
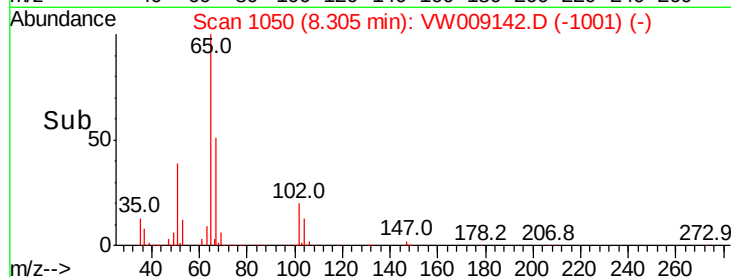
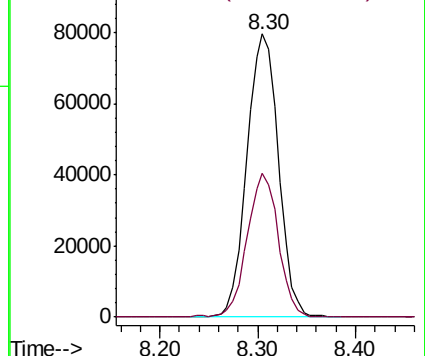
65 100

67 50.3 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

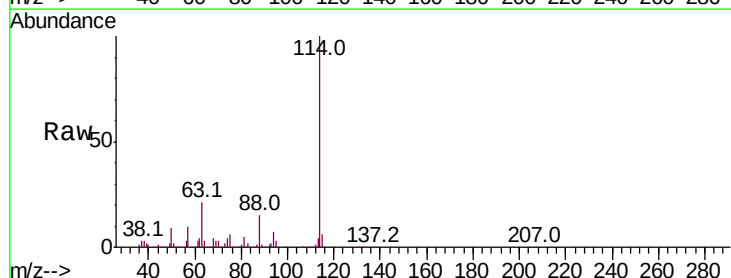
Tgt Ion: 114 Resp: 474634

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

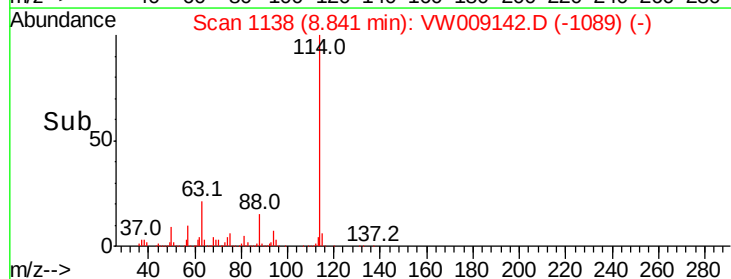
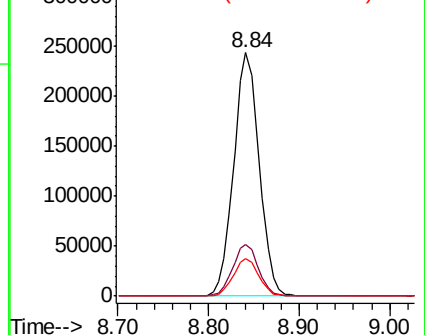
88 15.3 0.0 31.2

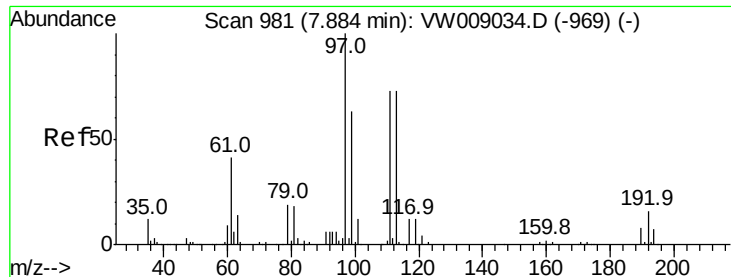


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 48.606 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

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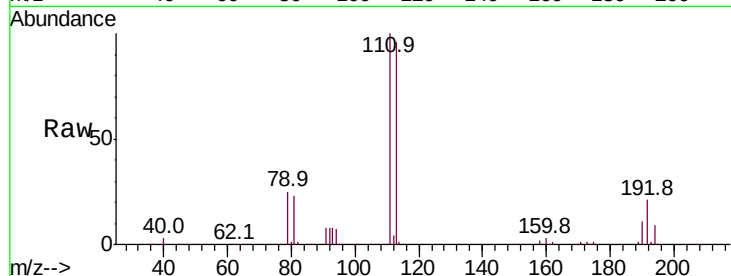
Tot Ion:113 Resp: 138902

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.4

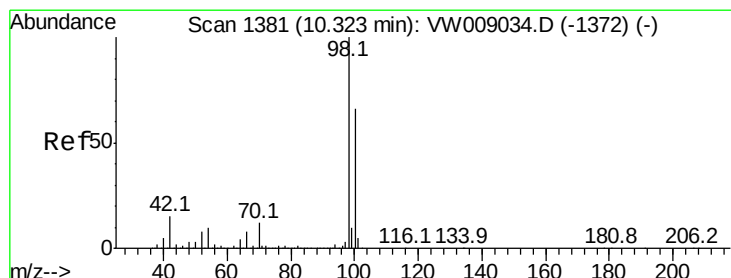
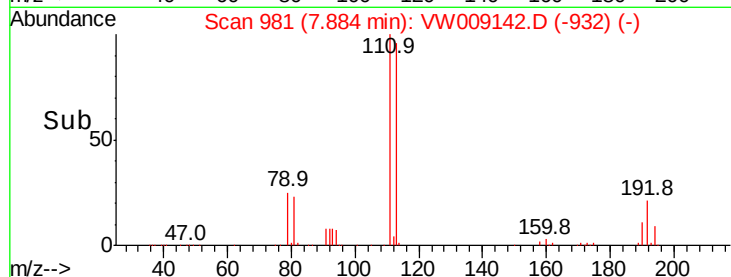
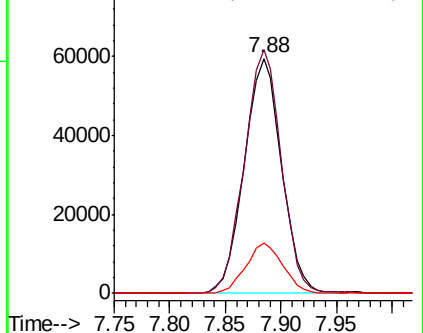
192 21.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 47.189 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009142.D

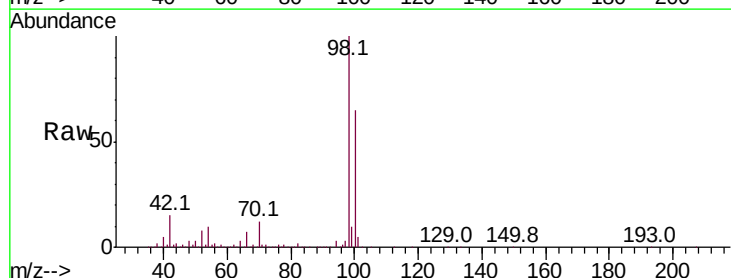
Acq: 13 Mar 2019 08:03

Tgt Ion: 98 Resp: 553867

Ion Ratio Lower Upper

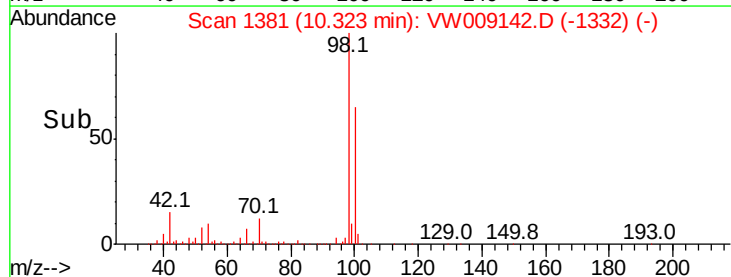
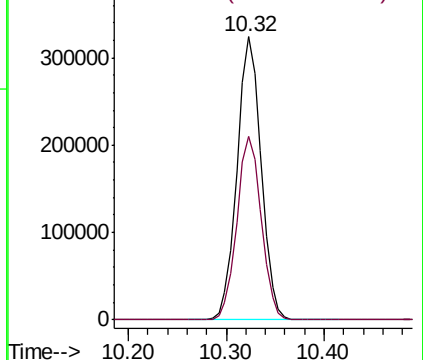
98 100

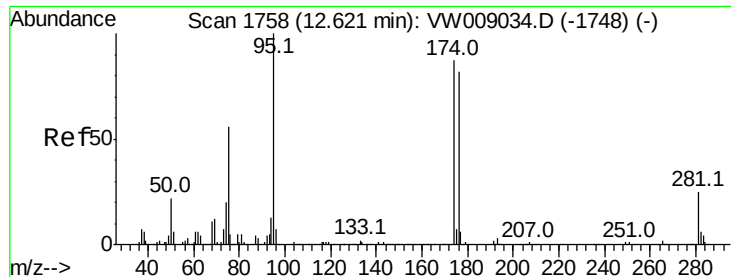
100 65.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

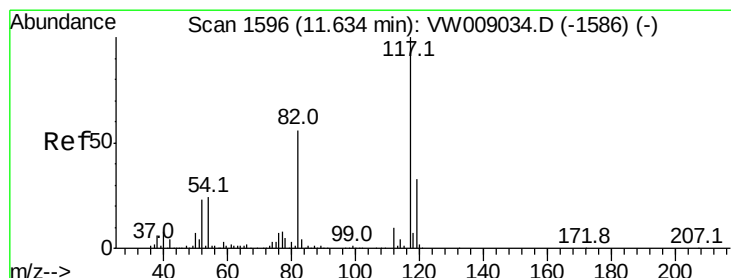
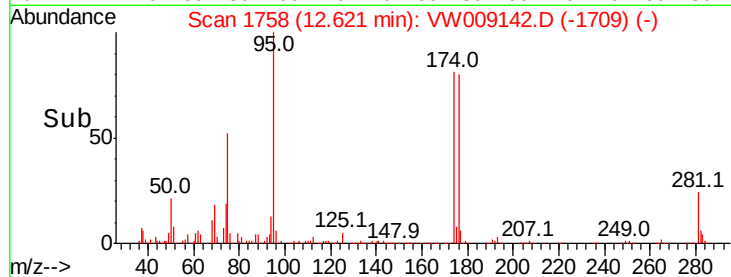
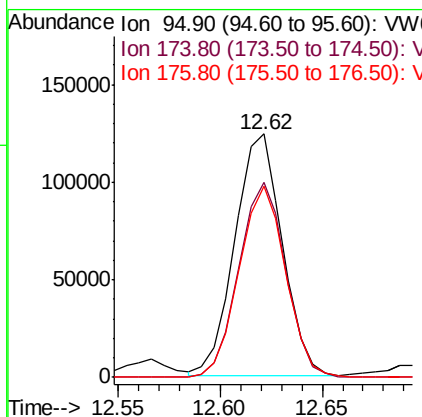
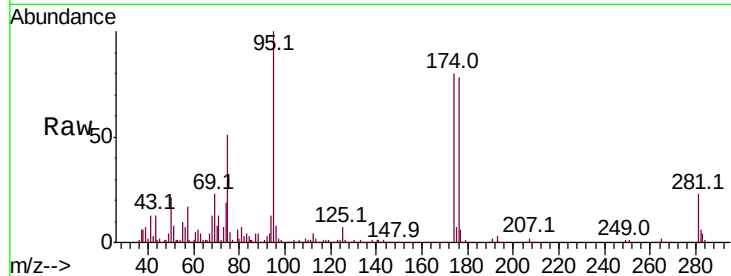




#62
4-Bromofluorobenzene
Concen: 43.080 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

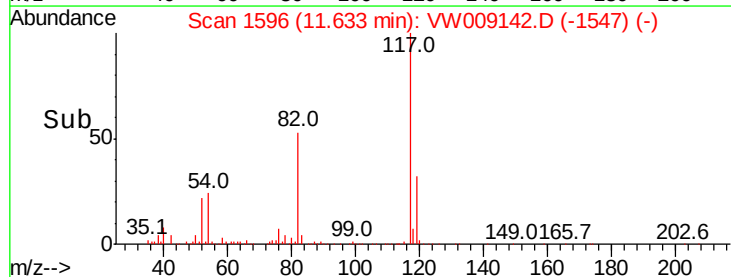
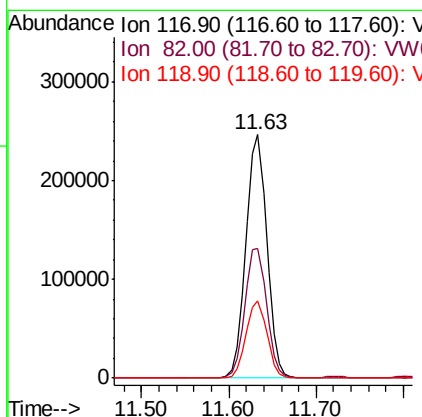
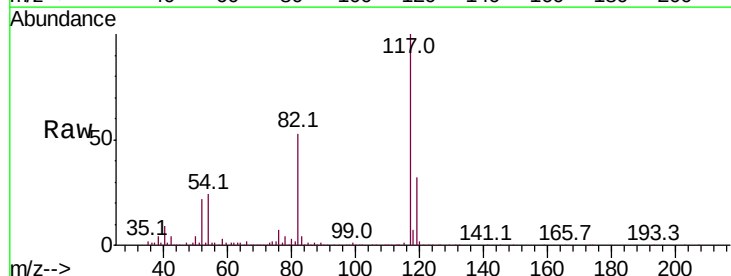
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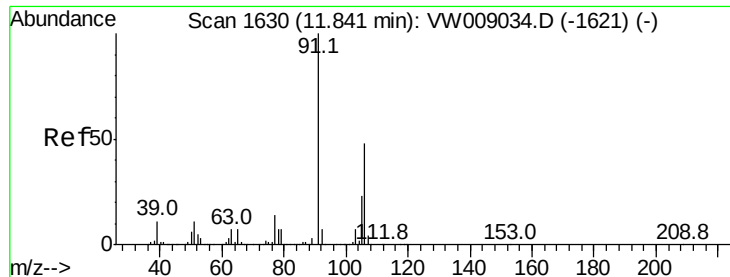
Tot Ion: 95 Resp: 199050
Ion Ratio Lower Upper
95 100
174 80.0 0.0 167.0
176 78.1 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Tgt Ion: 117 Resp: 409377
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.6
119 31.8 26.6 39.8

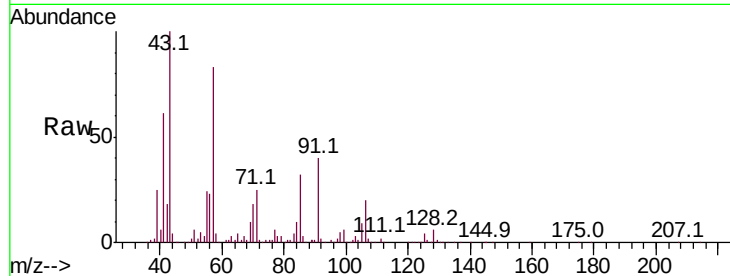




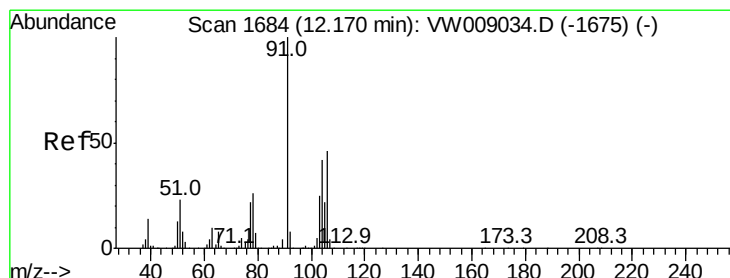
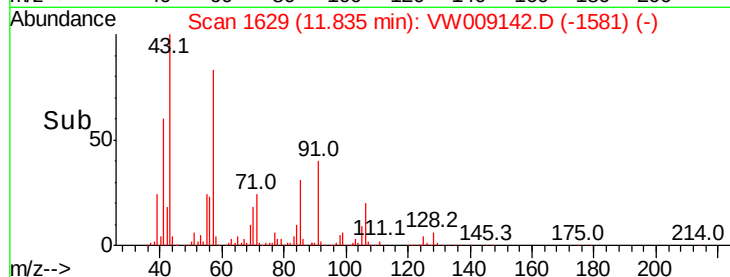
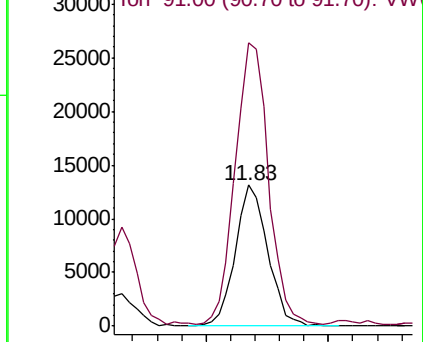
#68
m/p-Xylenes
Concen: 3.791 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-C

Tot Ion:106 Resp: 24085
Ion Ratio Lower Upper
106 100
91 204.9 163.2 244.8

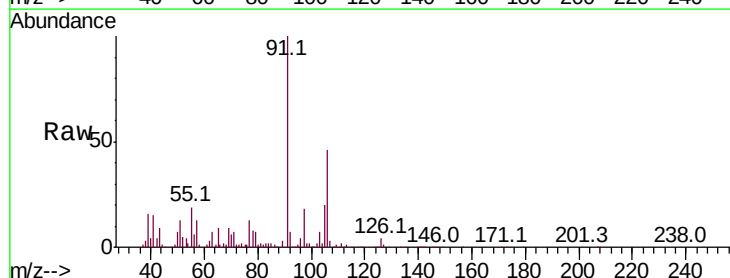


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

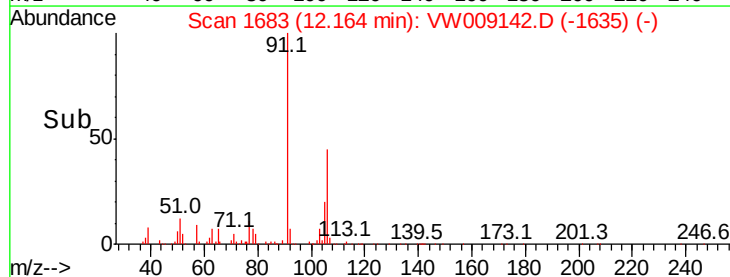
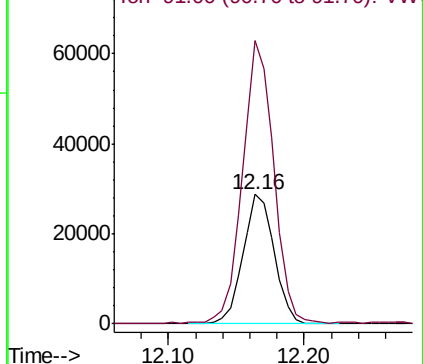


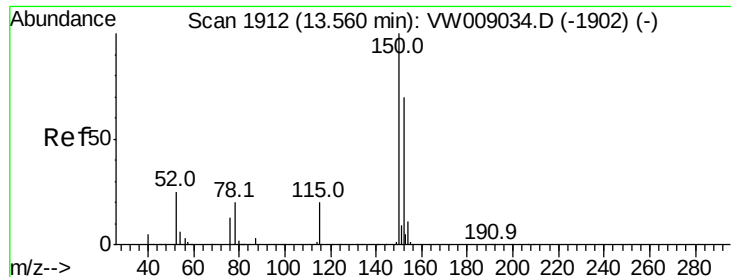
#69
o-Xylene
Concen: 7.817 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Tgt Ion:106 Resp: 46215
Ion Ratio Lower Upper
106 100
91 219.4 108.6 325.6



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

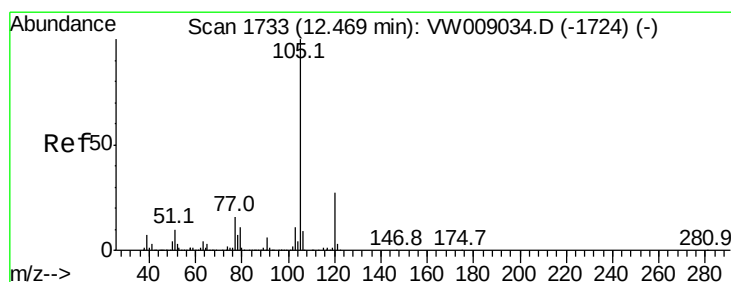
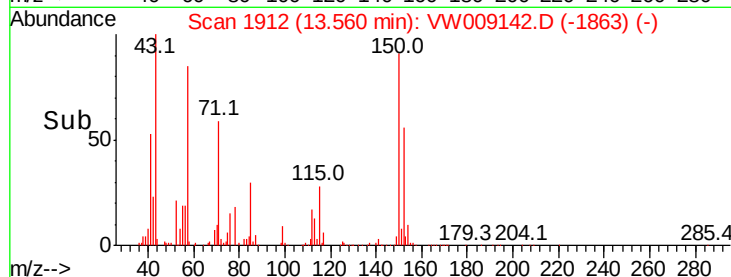
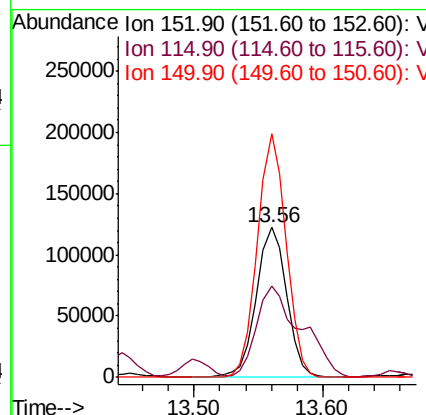
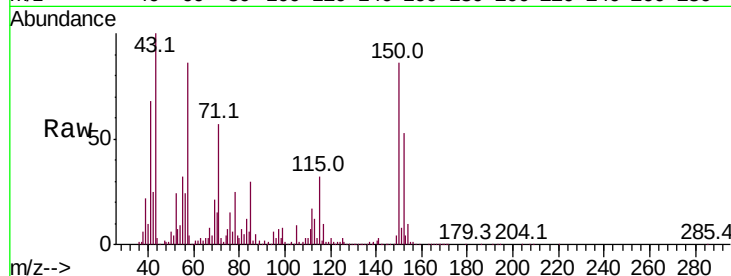




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW009142.D
 Acq: 13 Mar 2019 08:03

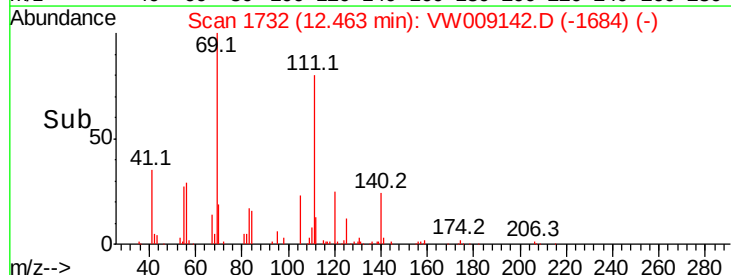
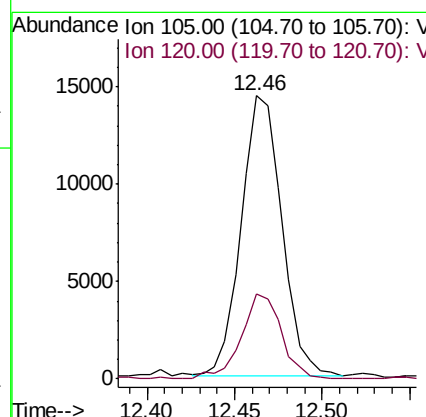
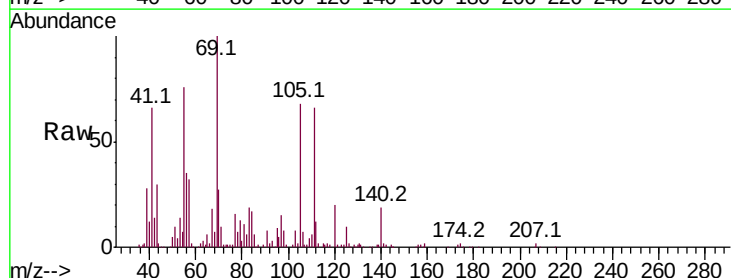
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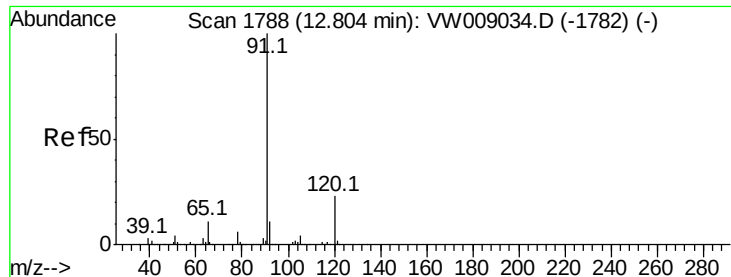
Tot Ion:152 Resp: 198750
 Ion Ratio Lower Upper
 152 100
 115 88.5 28.9 86.7#
 150 153.9 0.0 349.2



#73
 Isopropylbenzene
 Concen: 1.637 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: VW009142.D
 Acq: 13 Mar 2019 08:03

Tgt Ion:105 Resp: 23306
 Ion Ratio Lower Upper
 105 100
 120 29.8 13.2 39.6





#78

n-propylbenzene

Concen: 5.555 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

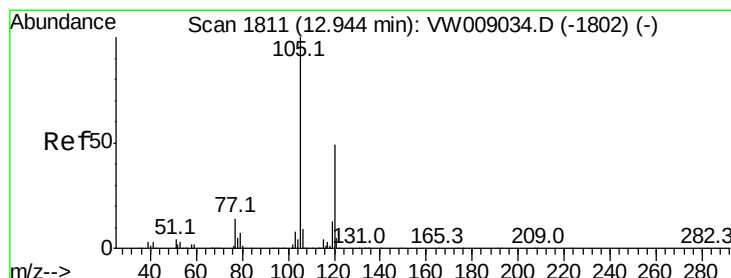
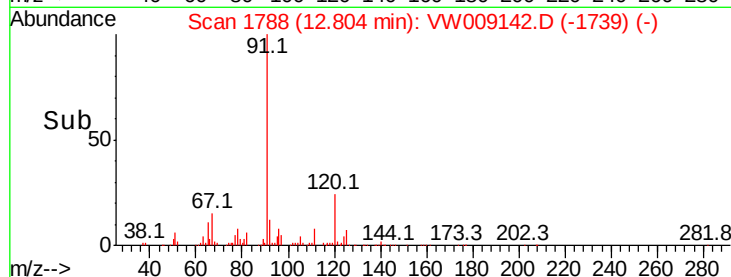
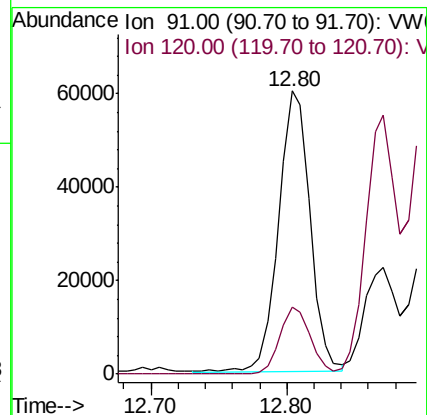
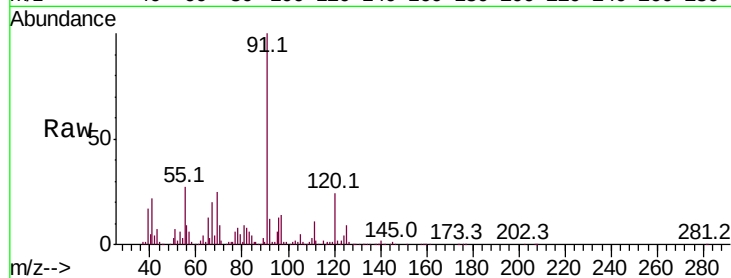
HR-06-031119-C

Tot Ion: 91 Resp: 97379

Ion Ratio Lower Upper

91 100

120 23.2 11.4 34.2



#80

1,3,5-Trimethylbenzene

Concen: 47.935 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009142.D

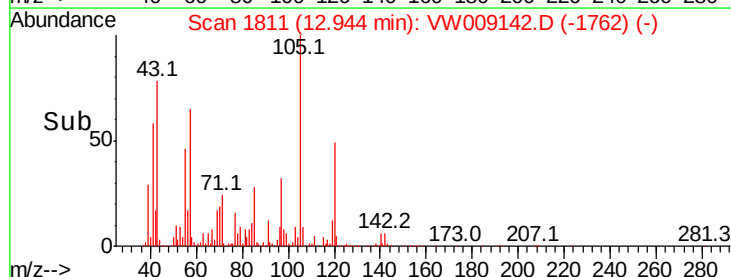
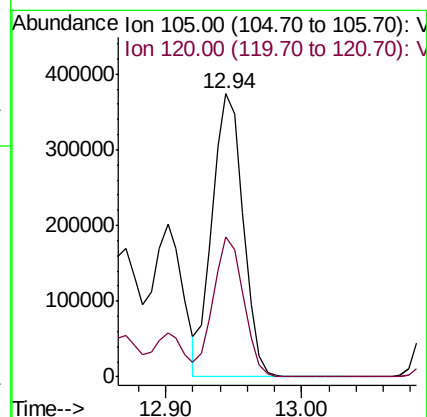
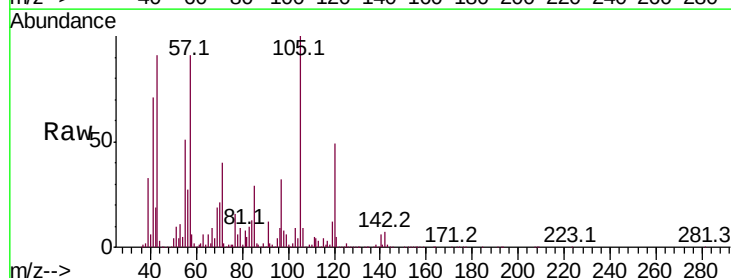
Acq: 13 Mar 2019 08:03

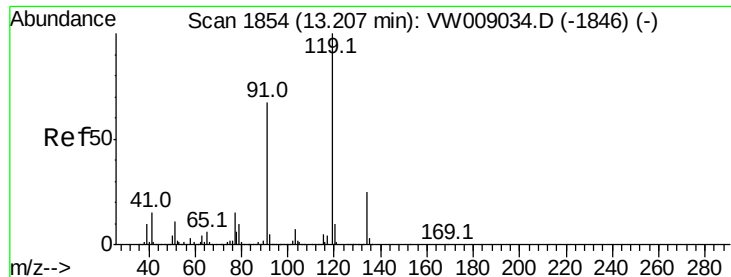
Tgt Ion:105 Resp: 588086

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#83

tert-Butylbenzene

Concen: 1.387 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-031119-C

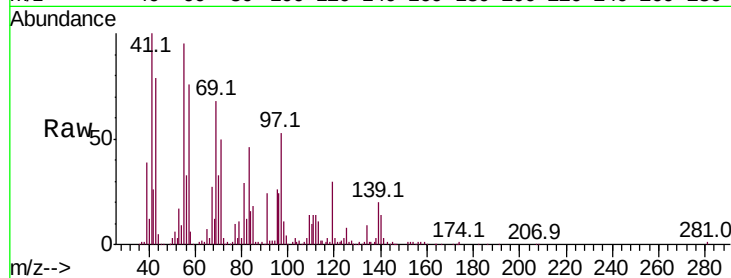
Tot Ion:119 Resp: 14347

Ion Ratio Lower Upper

119 100

91 87.7 34.2 102.5

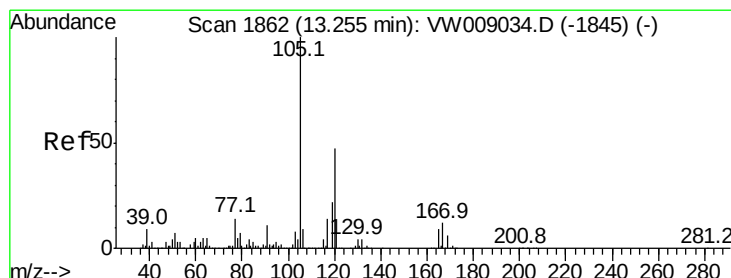
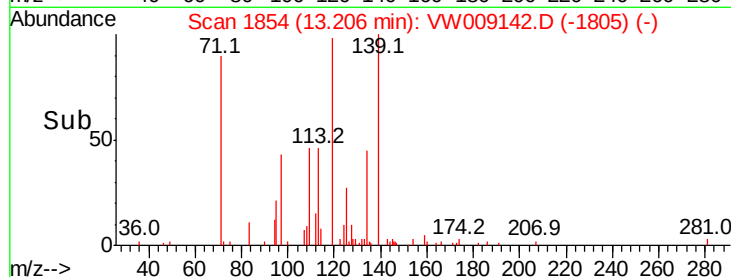
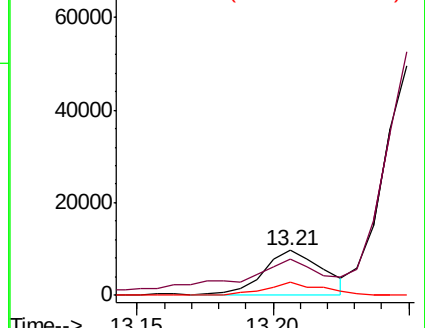
134 28.0 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.884 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW009142.D

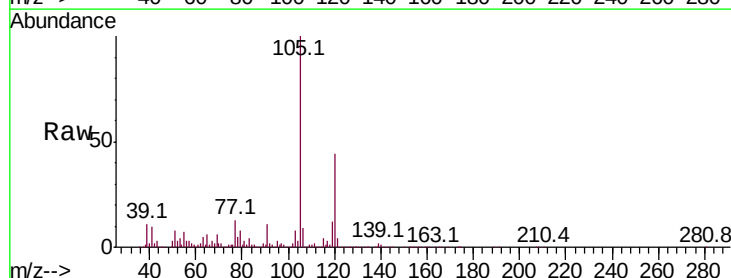
Acq: 13 Mar 2019 08:03

Tgt Ion:105 Resp: 705955

Ion Ratio Lower Upper

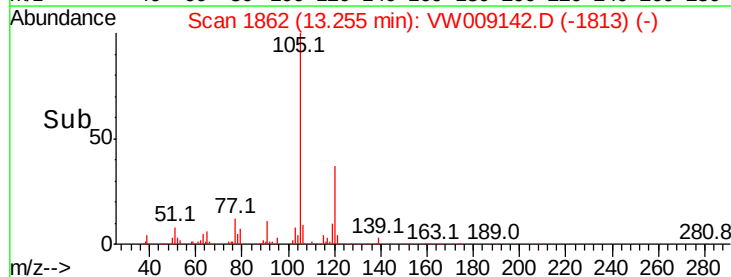
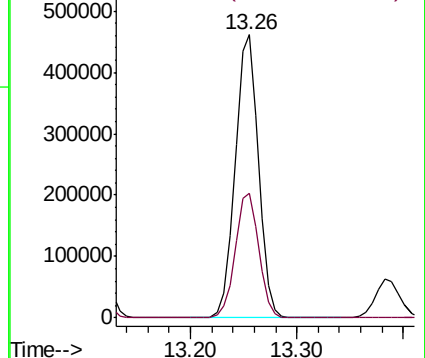
105 100

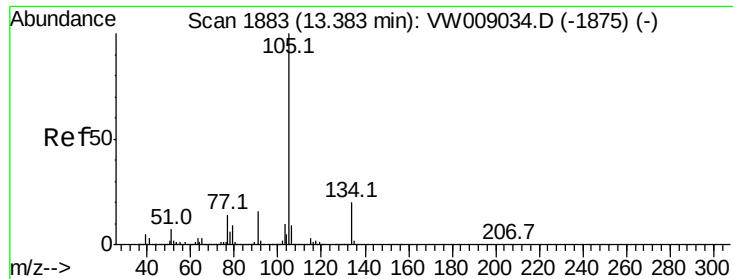
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.574 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

Instrument :

MSVOA_W

ClientSampleId :

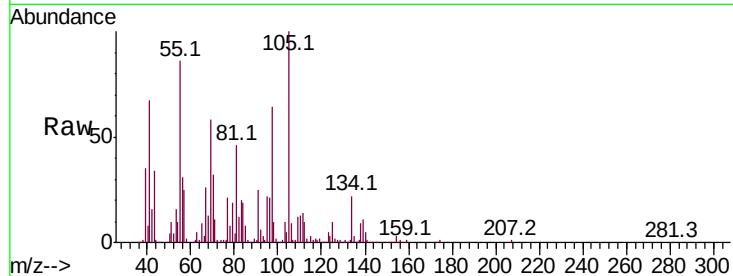
HR-06-031119-C

Tot Ion:105 Resp: 100777

Ion Ratio Lower Upper

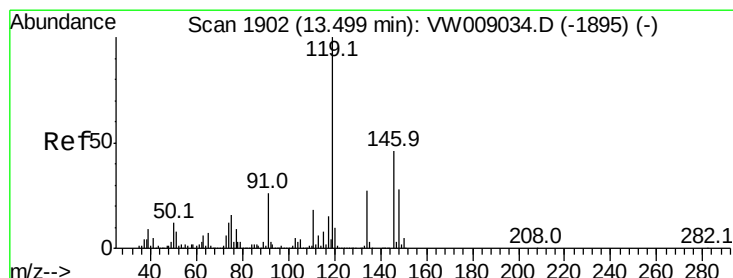
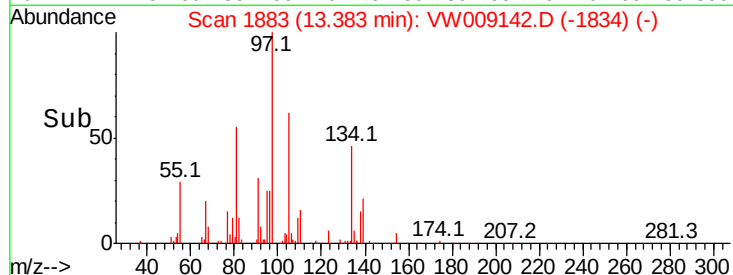
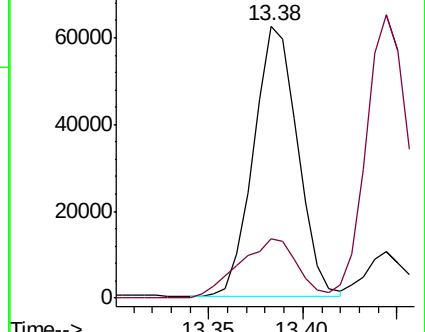
105 100

134 29.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.767 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009142.D

Acq: 13 Mar 2019 08:03

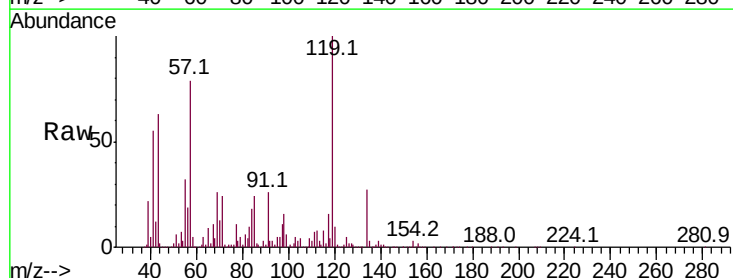
Tgt Ion:119 Resp: 271082

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

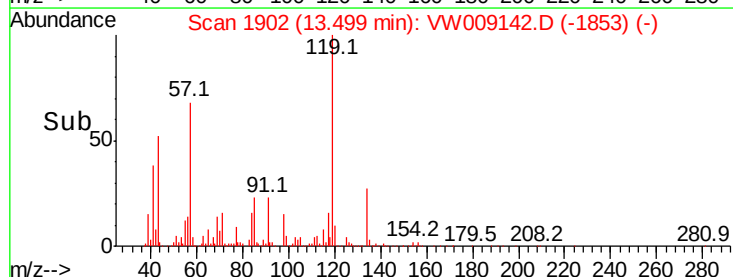
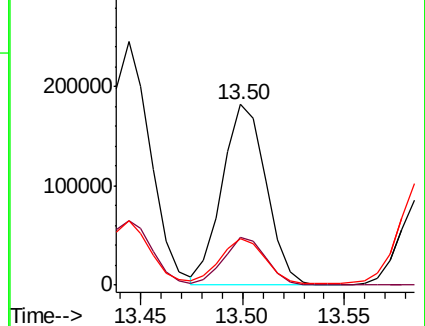
91 24.3 12.3 36.9

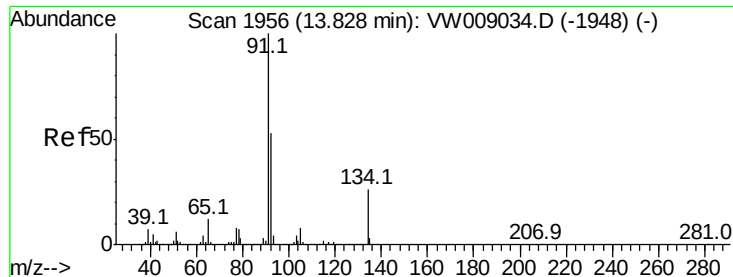


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

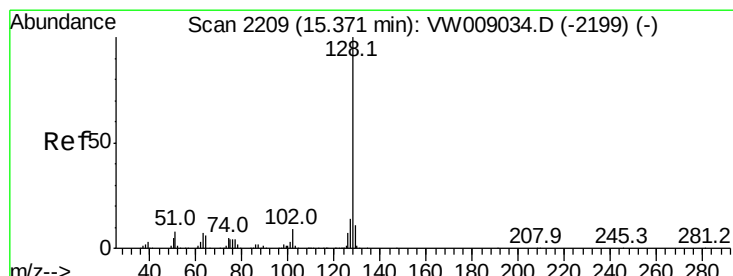
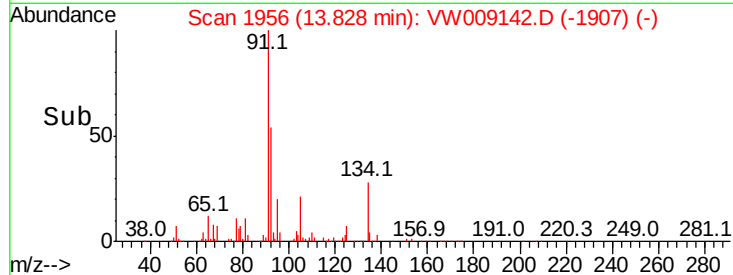
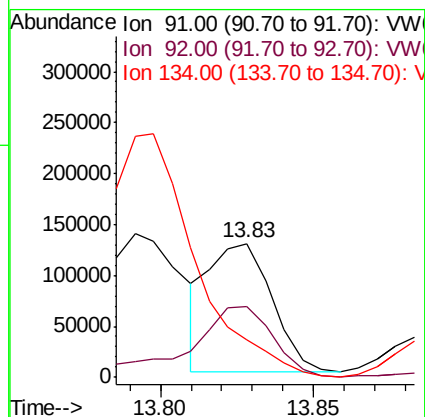
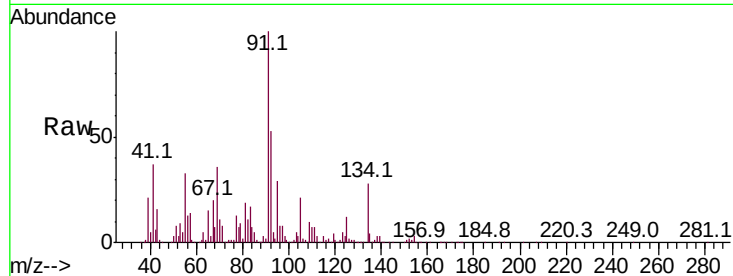




#89
n-Butylbenzene
Concen: 13.858 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-C

Tot Ion: 91 Resp: 180671
Ion Ratio Lower Upper
91 100
92 70.8 26.8 80.3
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 55.176 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009142.D
Acq: 13 Mar 2019 08:03

Tgt Ion: 128 Resp: 367801
Ion Ratio Lower Upper
128 100
127 11.5 11.0 16.6
129 8.7 8.8 13.2#

