

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022519\
 Data File : VW008809.D
 Acq On : 25 Feb 2019 16:17
 Operator : SY/VA
 Sample : K1356-11
 Misc : 7.06G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-022219-B

Quant Time: Feb 26 04:22:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

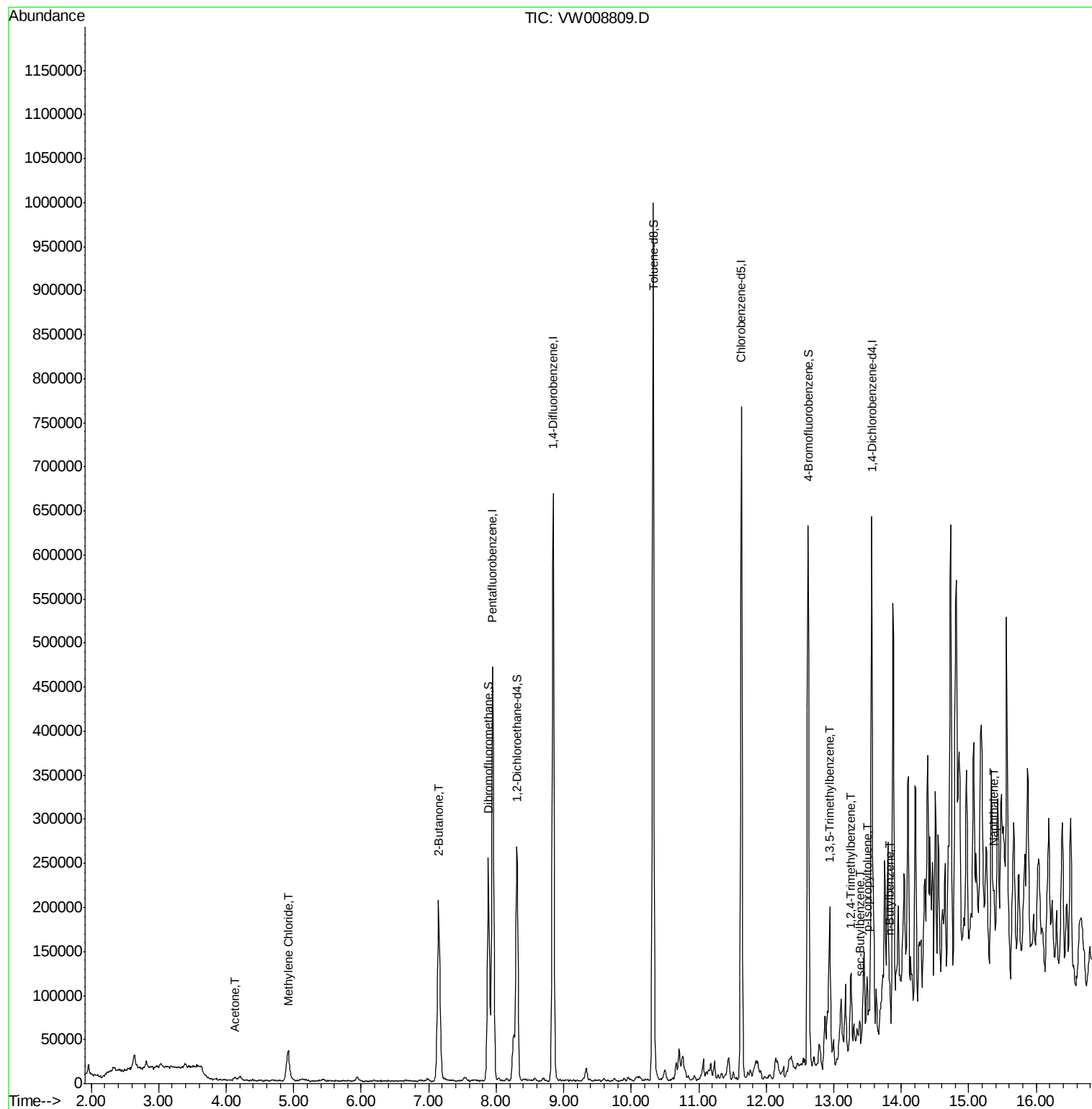
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	545432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	194880	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	7.88	113	167670	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	10.32	98	614845	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.62	95	173495	35.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	6052	7.853	ug/l #	70
20) Methylene Chloride	4.92	84	24566	1.517	ug/l	94
25) 2-Butanone	7.15	43	10485	9.732	ug/l #	73
80) 1,3,5-Trimethylbenzene	12.94	105	31371	3.698	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	51091	5.818	ug/l	98
85) sec-Butylbenzene	13.38	105	12496	1.185	ug/l	87
86) p-Isopropyltoluene	13.50	119	14583	1.508	ug/l	96
89) n-Butylbenzene	13.83	91	18557	2.049	ug/l #	69
95) Naphthalene	15.37	128	33232	6.352	ug/l #	93

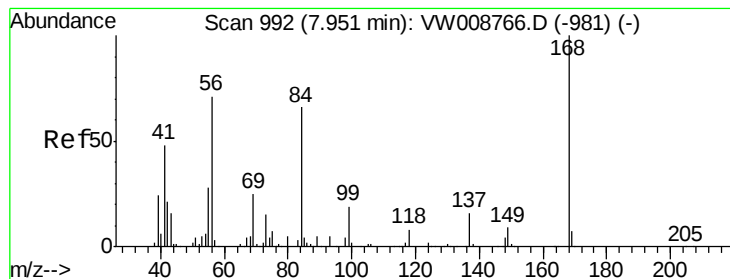
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022519\
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SU-02-022219-B

Quant Time: Feb 26 04:22:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008809.D

Acq: 25 Feb 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

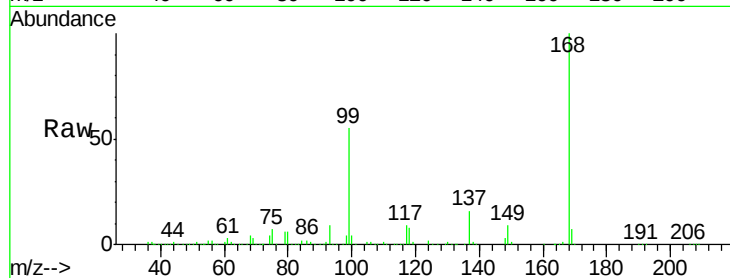
SU-02-022219-B

Tot Ion:168 Resp: 354468

Ion Ratio Lower Upper

168 100

99 55.2 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

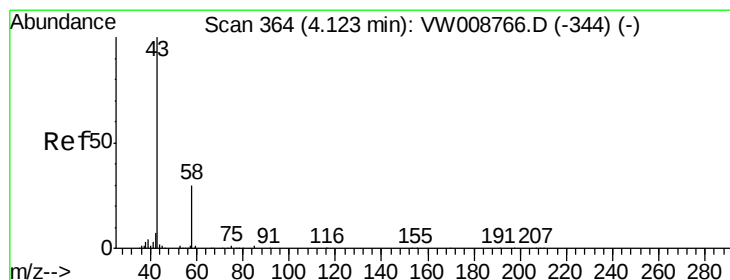
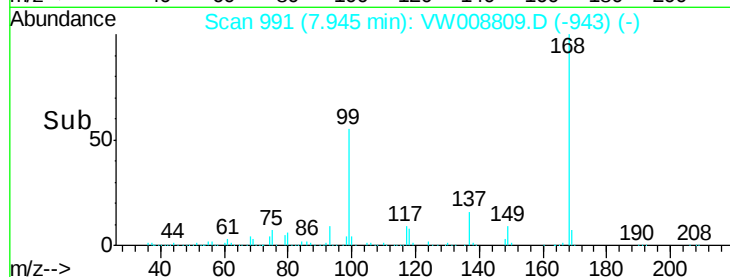
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.853 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008809.D

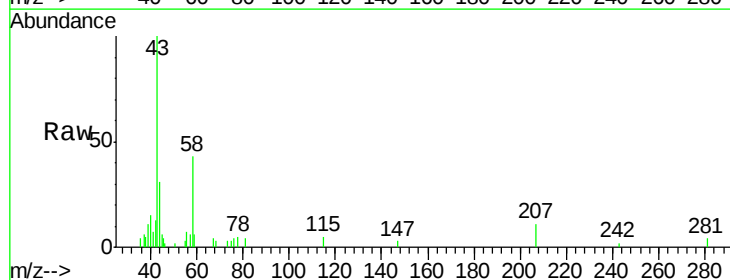
Acq: 25 Feb 2019 16:17

Tgt Ion: 43 Resp: 6052

Ion Ratio Lower Upper

43 100

58 45.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

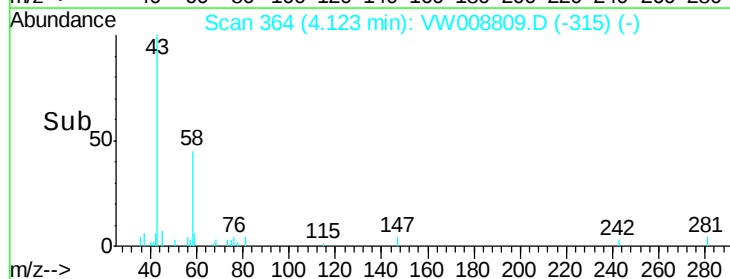
1500

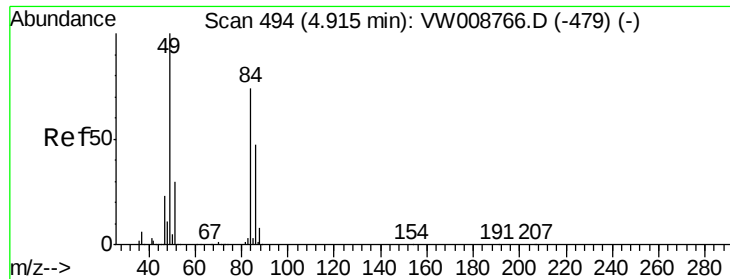
1000

500

0

Time-->





#20

Methvlene Chloride

Concen: 1.517 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008809.D

Acq: 25 Feb 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SU-02-022219-B

Tot Ion: 84 Resp: 24566

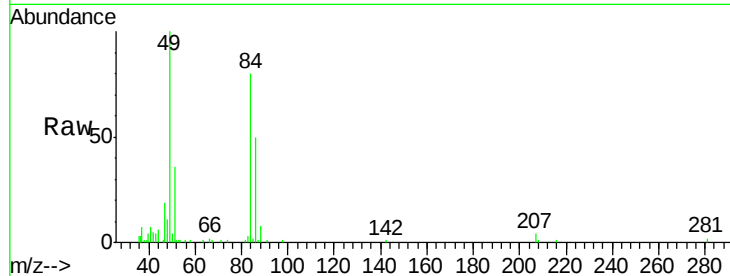
Ion Ratio Lower Upper

84 100

49 125.7 108.2 162.2

51 45.6 32.7 49.1

86 63.1 50.3 75.5

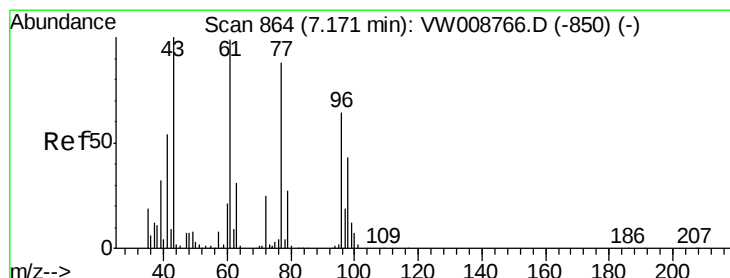
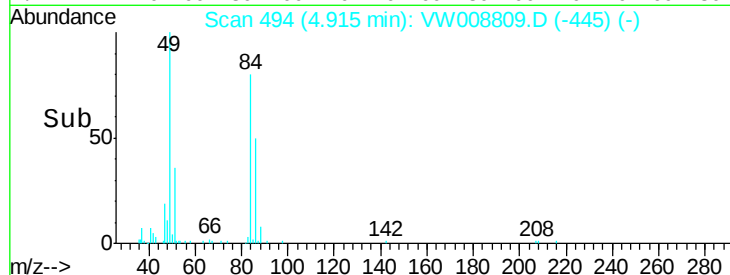
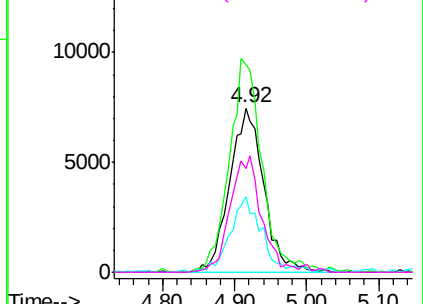


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 9.732 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008809.D

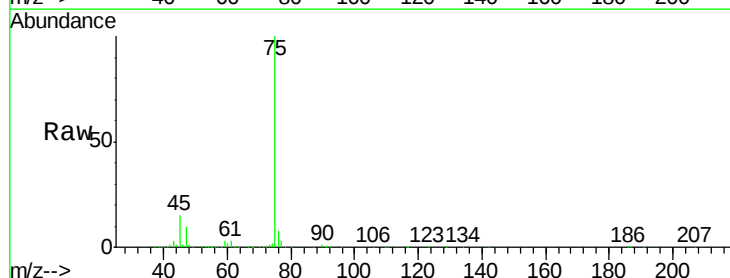
Acq: 25 Feb 2019 16:17

Tgt Ion: 43 Resp: 10485

Ion Ratio Lower Upper

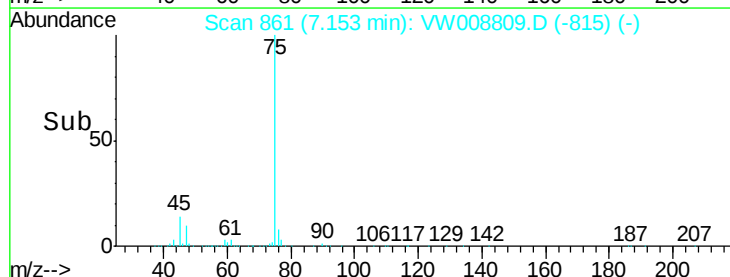
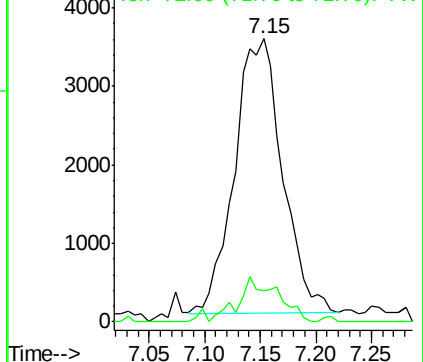
43 100

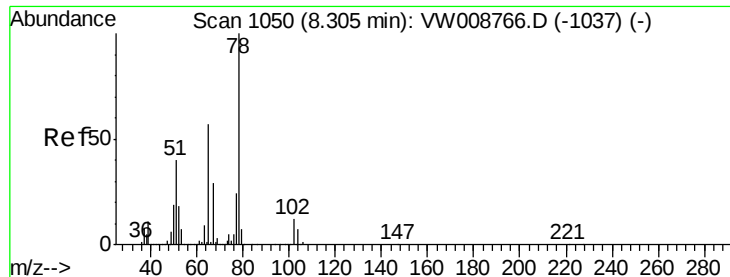
72 11.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

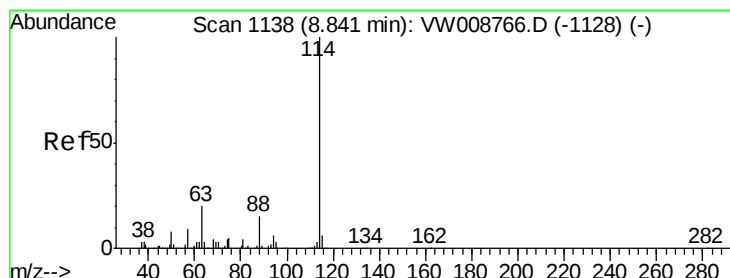
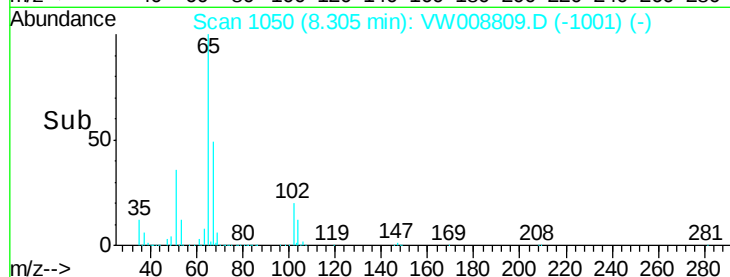
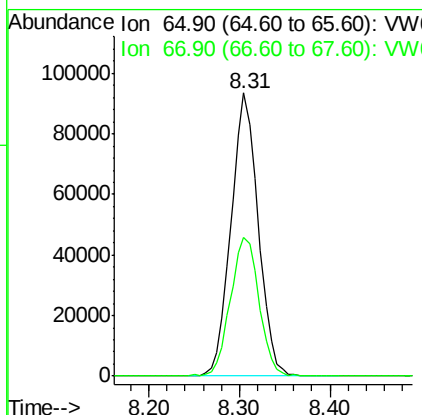
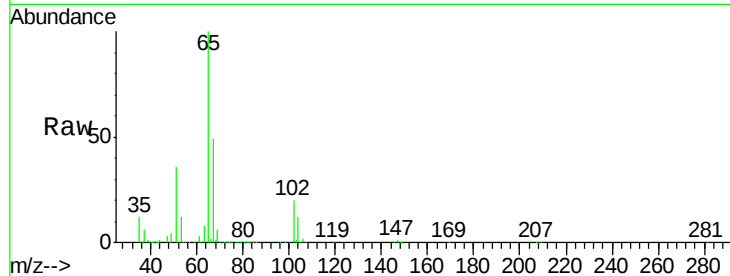




#33
 1,2-Dichloroethane-d4
 Concen: 58.618 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

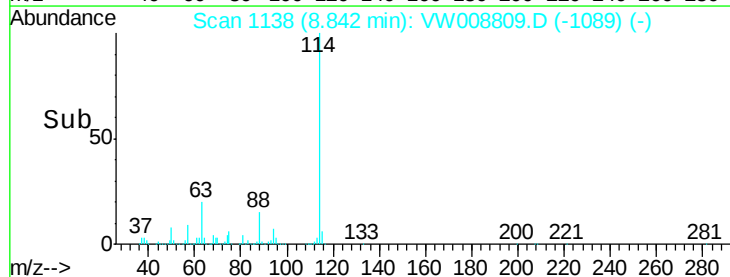
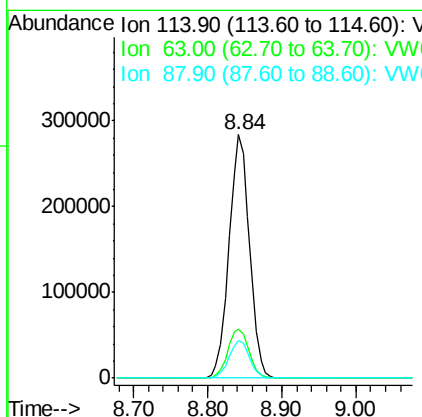
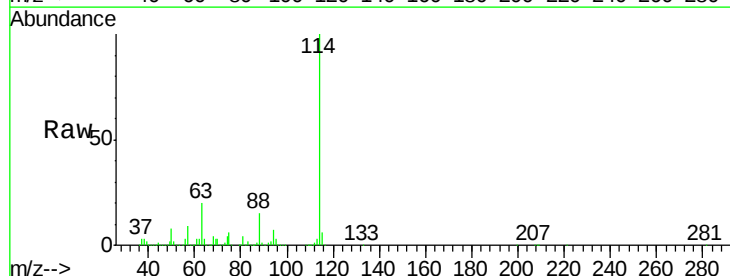
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-022219-B

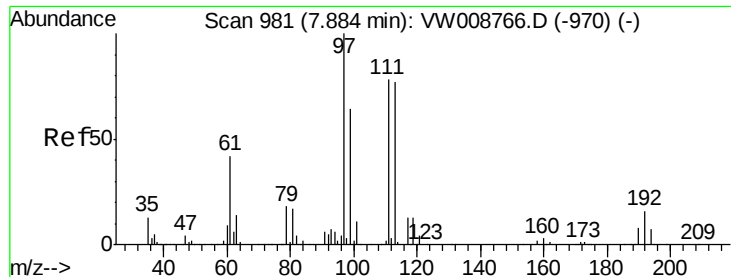
Tot Ion: 65 Resp: 194880
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

Tgt Ion: 114 Resp: 545432
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.200 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008809.D

Acq: 25 Feb 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SU-02-022219-B

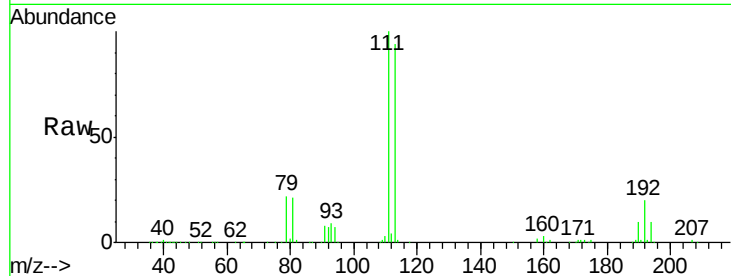
Tot Ion:113 Resp: 167670

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

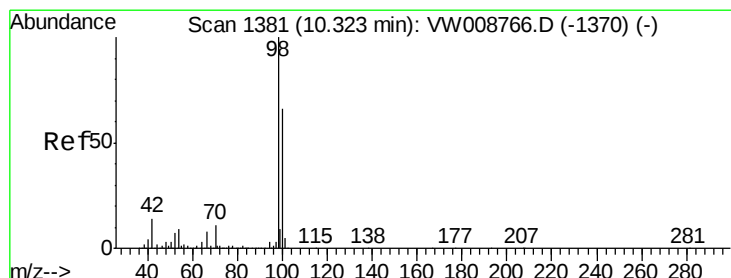
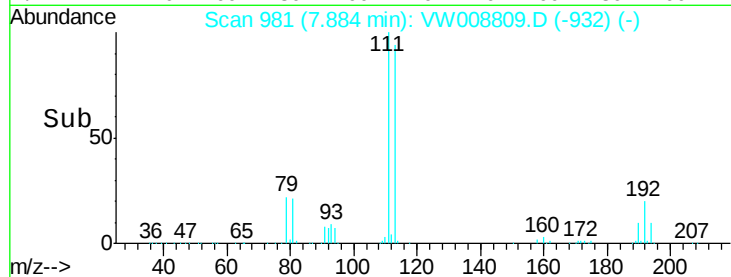
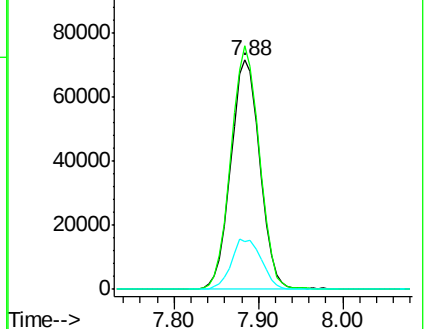
192 22.6 17.1 25.7



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: 48.636 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008809.D

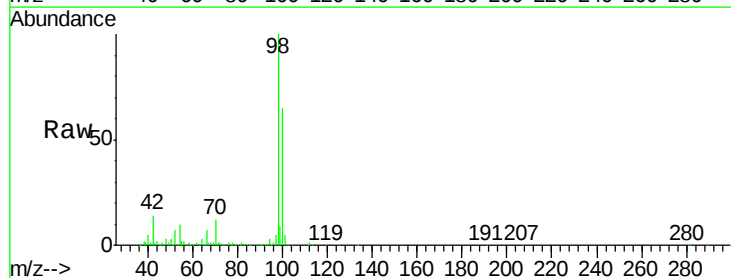
Acq: 25 Feb 2019 16:17

Tgt Ion: 98 Resp: 614845

Ion Ratio Lower Upper

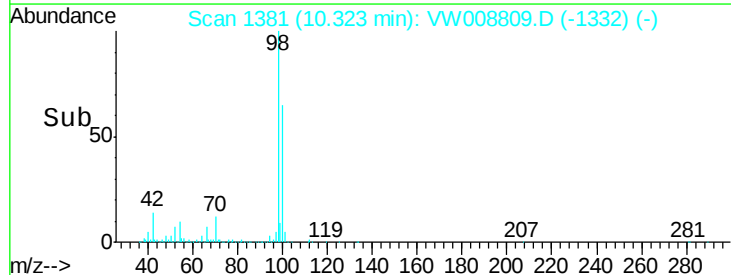
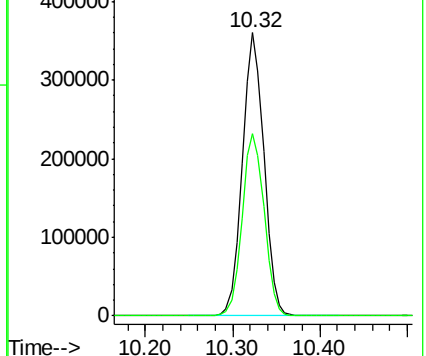
98 100

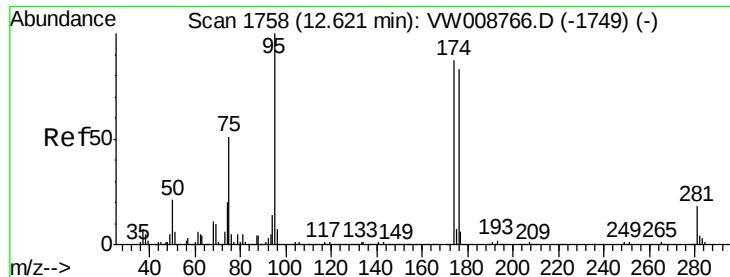
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.051 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008809.D

Acq: 25 Feb 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SU-02-022219-B

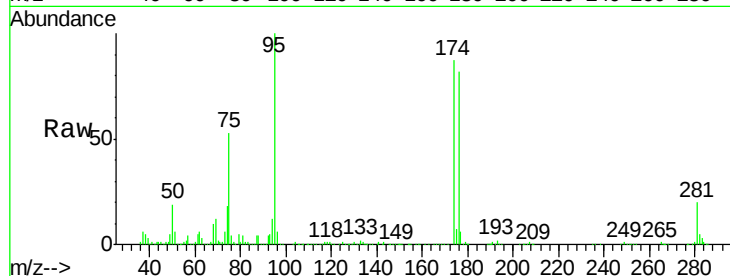
Tot Ion: 95 Resp: 173495

Ion Ratio Lower Upper

95 100

174 86.1 0.0 169.2

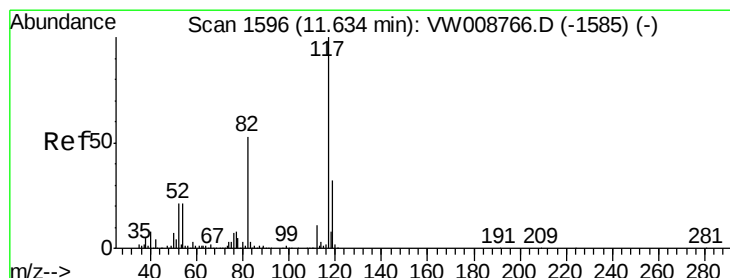
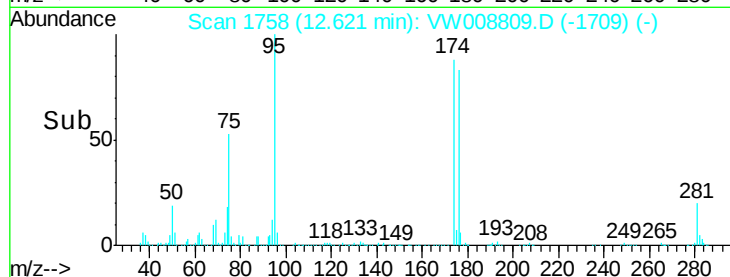
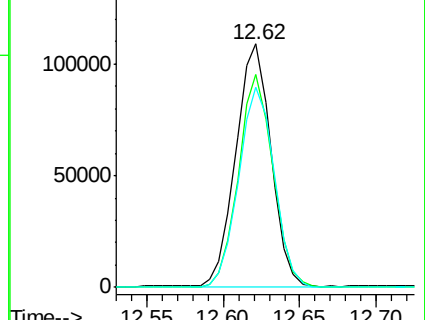
176 83.6 0.0 163.6



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: VW008809.D

Acq: 25 Feb 2019 16:17

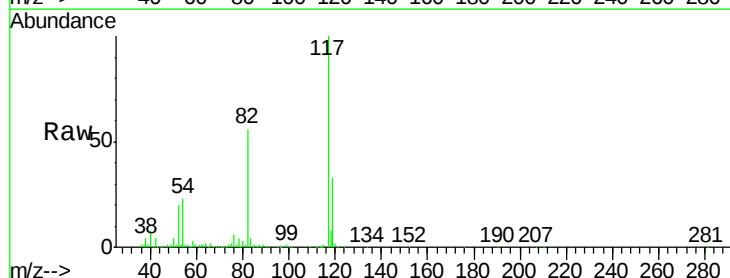
Tgt Ion: 117 Resp: 425837

Ion Ratio Lower Upper

117 100

82 56.2 42.2 63.4

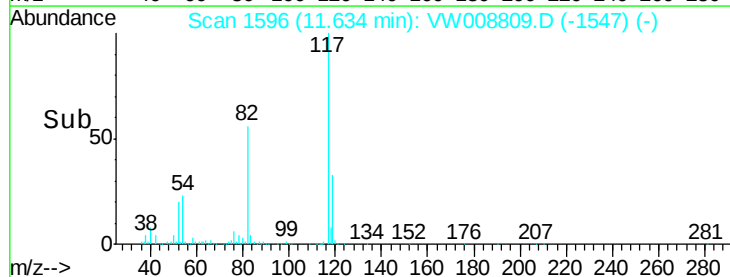
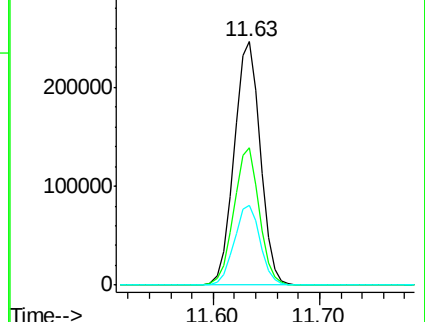
119 33.0 25.9 38.9

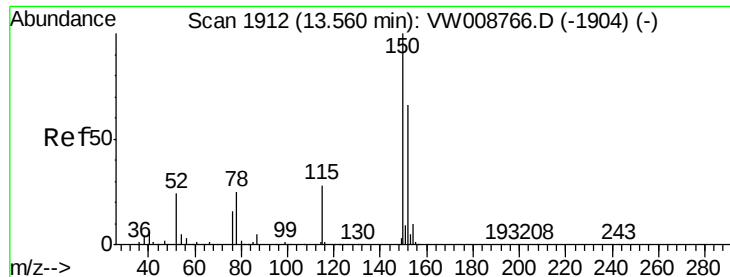


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

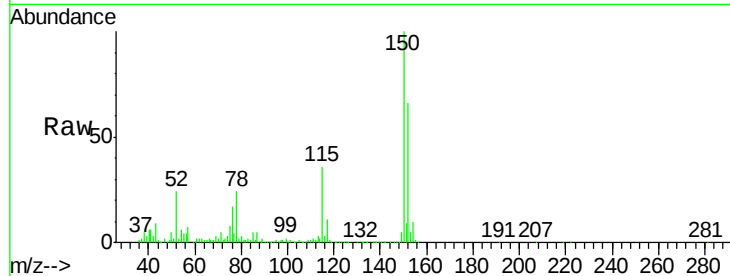




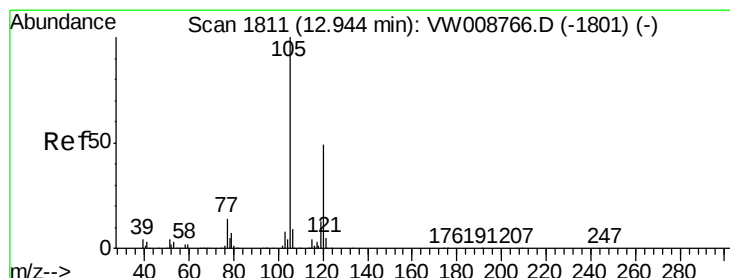
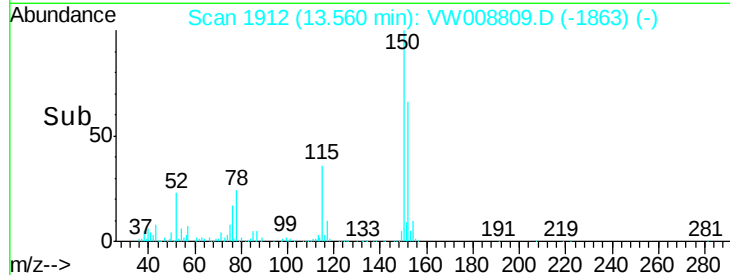
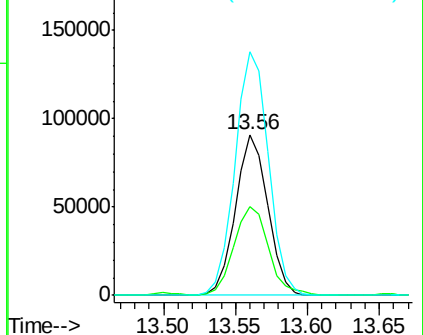
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.6	85.8
150	156.1	0.0	348.0

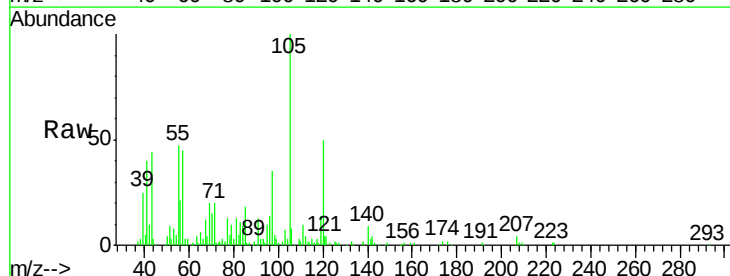


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

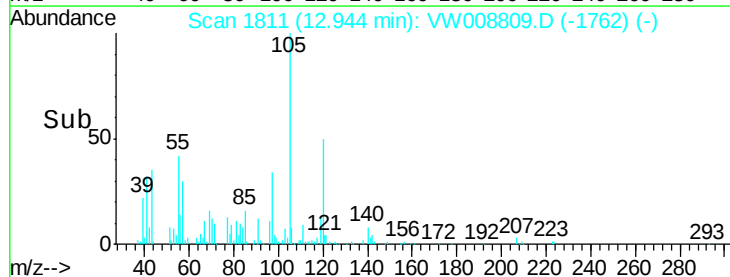
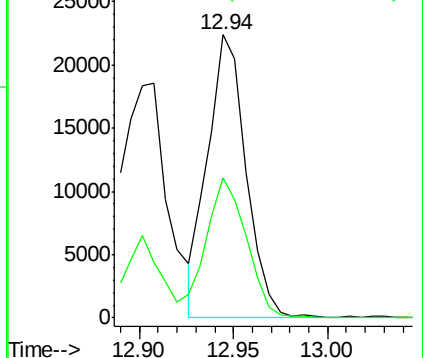


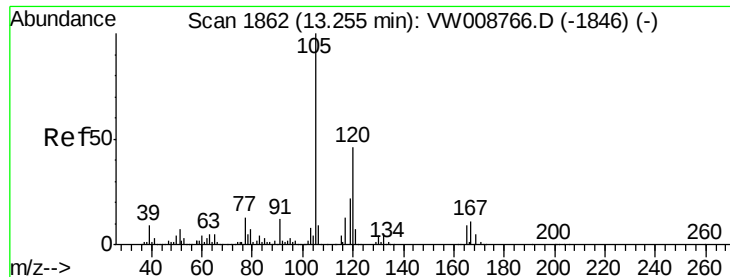
#80
 1,3,5-Trimethylbenzene
 Concen: 3.698 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.9	24.8	74.4



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

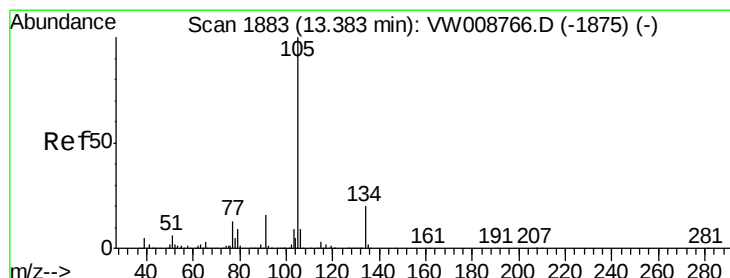
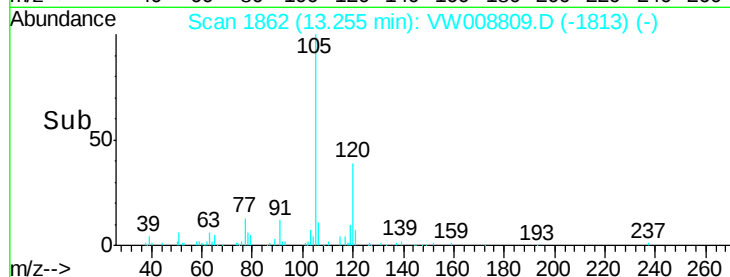
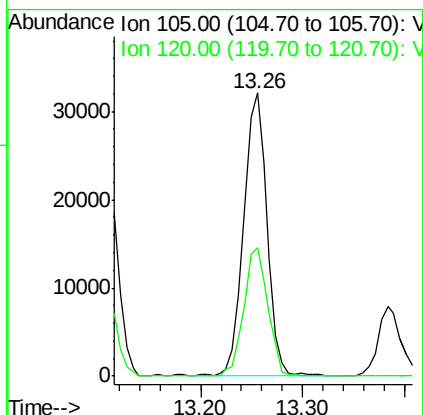
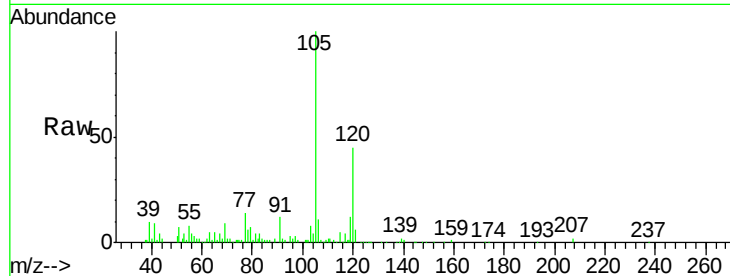




#84
 1,2,4-Trimethylbenzene
 Concen: 5.818 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

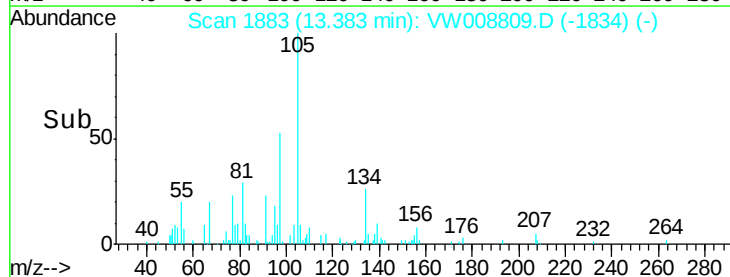
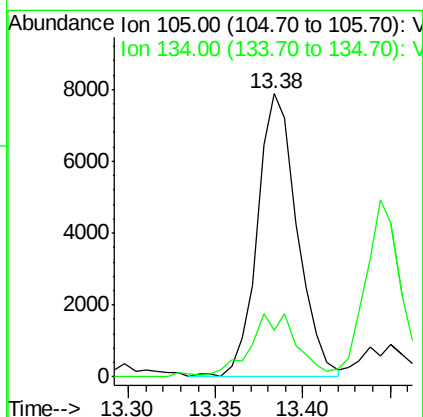
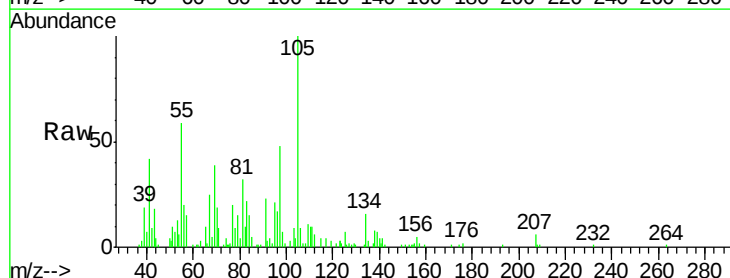
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 SU-02-022219-B

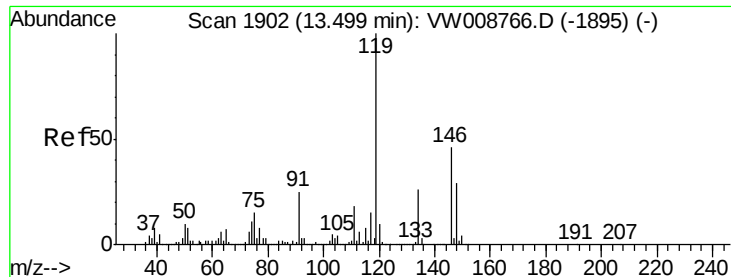
Tot Ion:105 Resp: 51091
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 1.185 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008809.D
 Acq: 25 Feb 2019 16:17

Tgt Ion:105 Resp: 12496
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.4 31.1

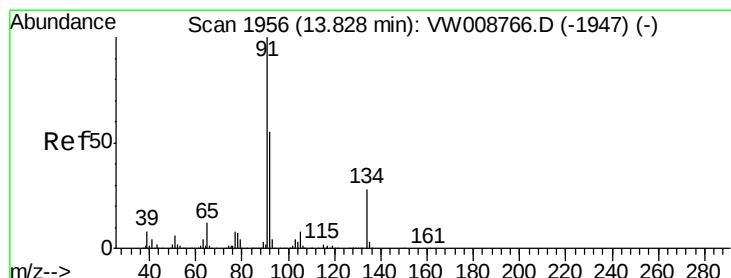
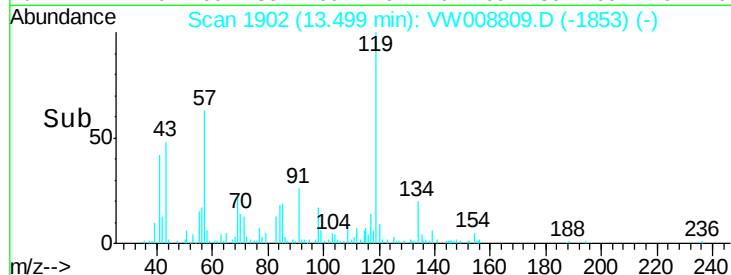
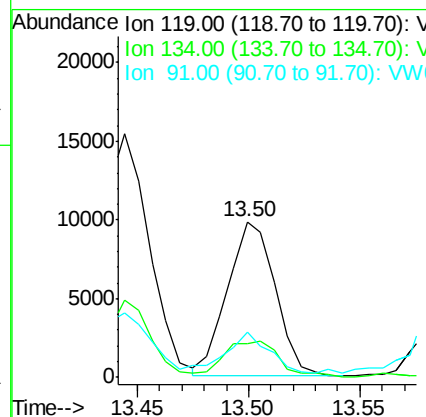
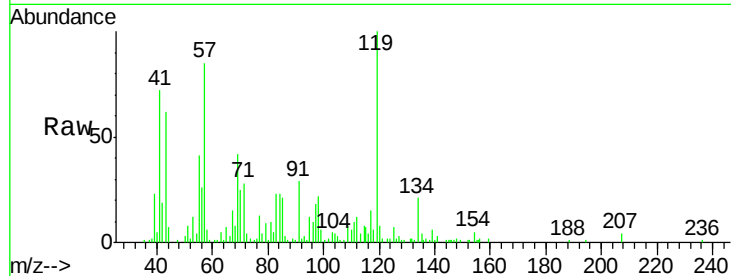




#86
p-Isopropyltoluene
Concen: 1.508 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW008809.D
Acq: 25 Feb 2019 16:17

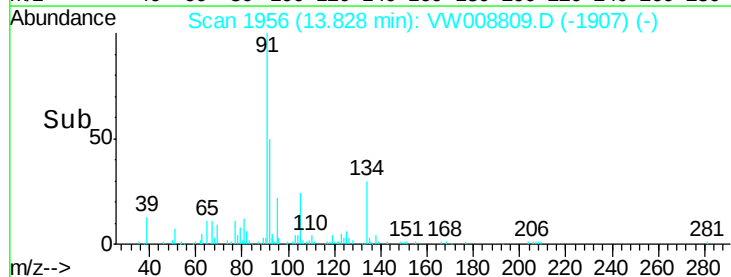
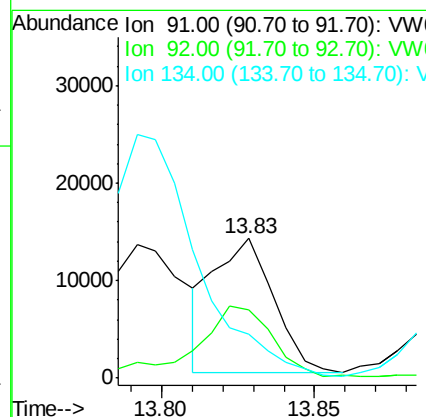
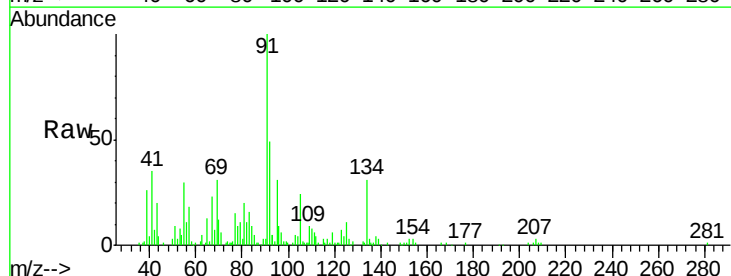
Instrument :
MSVOA_W
ClientSampleId :
SU-02-022219-B

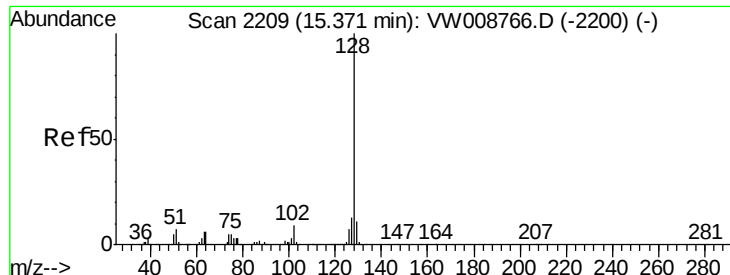
Tot Ion: 119 Resp: 14583
Ion Ratio Lower Upper
119 100
134 27.9 13.1 39.3
91 21.7 12.1 36.3



#89
n-Butylbenzene
Concen: 2.049 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008809.D
Acq: 25 Feb 2019 16:17

Tgt Ion: 91 Resp: 18557
Ion Ratio Lower Upper
91 100
92 68.3 26.8 80.4
134 0.0 13.5 40.4#





#95

Naphthalene

Concen: 6.352 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008809.D

Acq: 25 Feb 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SU-02-022219-B

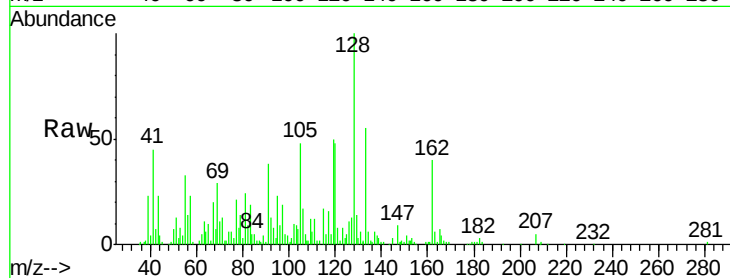
Tot Ion:128 Resp: 33232

Ion Ratio Lower Upper

128 100

127 16.9 10.8 16.2#

129 9.1 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

