

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008634.D
 Acq On : 12 Feb 2019 20:19
 Operator : SY/VA
 Sample : K1343-21RE
 Misc : 7.26G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-K

Quant Time: Feb 13 06:03:22 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	360454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	616290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191282	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	229015	64.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.34%	
35) Dibromofluoromethane	7.88	113	186699	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.32	98	696012	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.62	95	222150	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	

Target Compounds

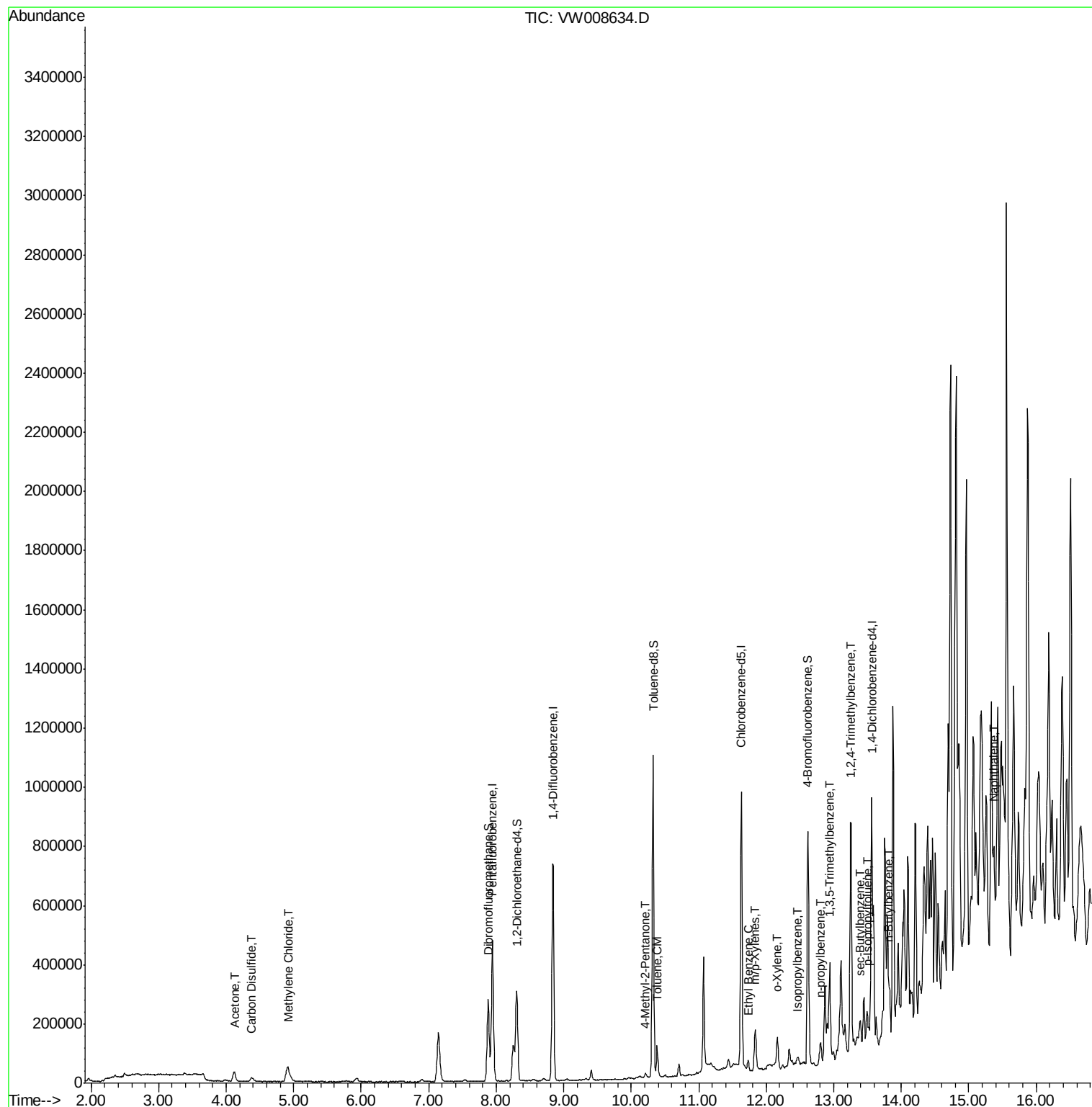
						Qvalue
16) Acetone	4.12	43	59554	74.891	ug/l	99
17) Carbon Disulfide	4.37	76	24852	2.358	ug/l	99
20) Methylene Chloride	4.92	84	45158	12.321	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	9131	3.454	ug/l	91
52) Toluene	10.39	92	42465	3.982	ug/l	94
67) Ethyl Benzene	11.73	91	22870	1.205	ug/l	97
68) m/p-Xylenes	11.84	106	39016	5.299	ug/l	96
69) o-Xylene	12.16	106	26009	3.718	ug/l	93
73) Isopropylbenzene	12.47	105	16360	1.147	ug/l	86
78) n-propylbenzene	12.80	91	53081	3.099	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	86001	7.215	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	438059	36.158	ug/l	100
85) sec-Butylbenzene	13.38	105	39958	2.638	ug/l	80
86) p-Isopropyltoluene	13.50	119	33487	2.524	ug/l	97
89) n-Butylbenzene	13.82	91	89402	6.862	ug/l #	81
95) Naphthalene	15.37	128	187297	26.859	ug/l #	90

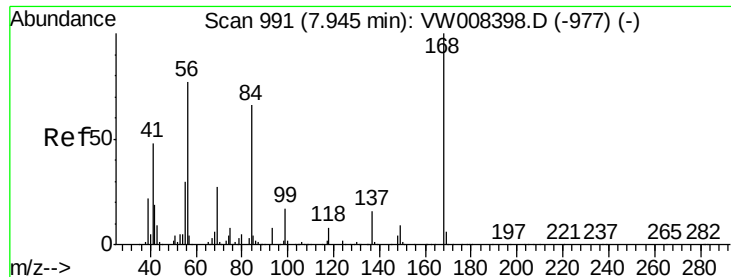
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008634.D

Acq: 12 Feb 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

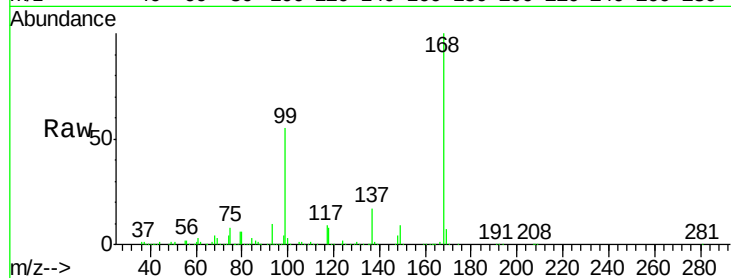
JC-02-021119-K

Tot Ion:168 Resp: 360454

Ion Ratio Lower Upper

168 100

99 55.1 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

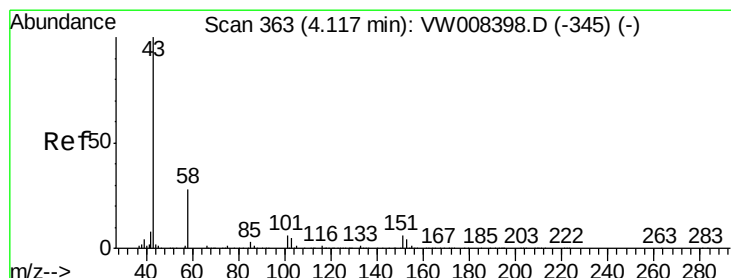
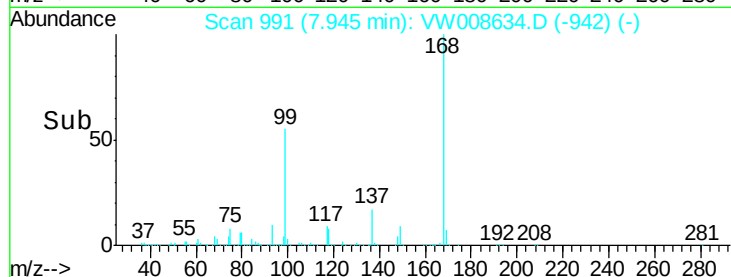
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 74.891 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008634.D

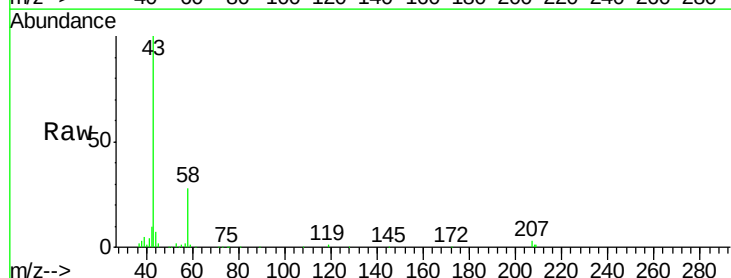
Acq: 12 Feb 2019 20:19

Tgt Ion: 43 Resp: 59554

Ion Ratio Lower Upper

43 100

58 27.7 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

25000

20000

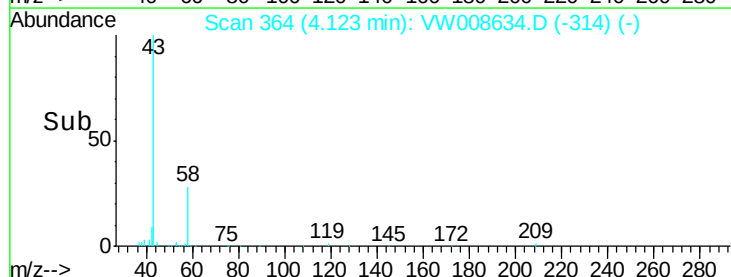
15000

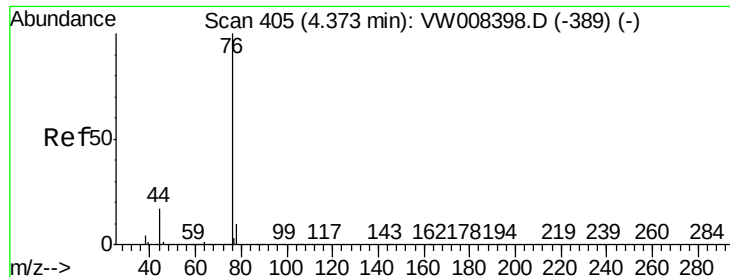
10000

5000

0

Time--> 4.00 4.10 4.20

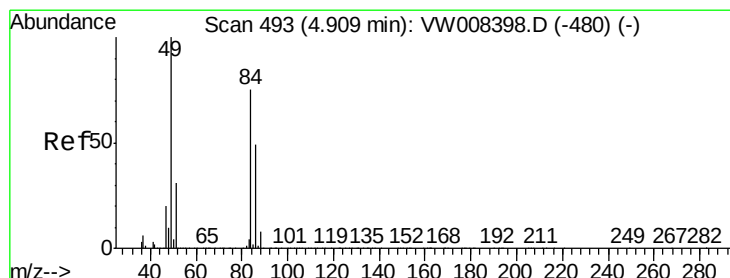
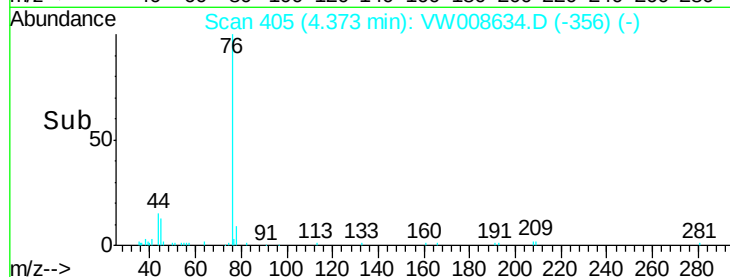
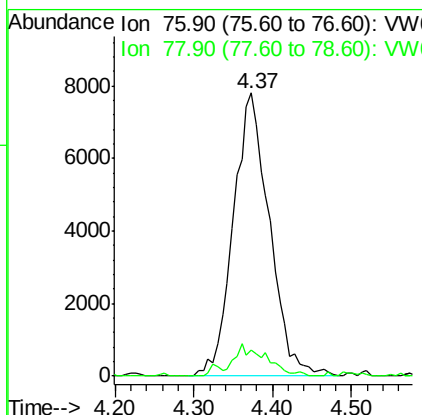
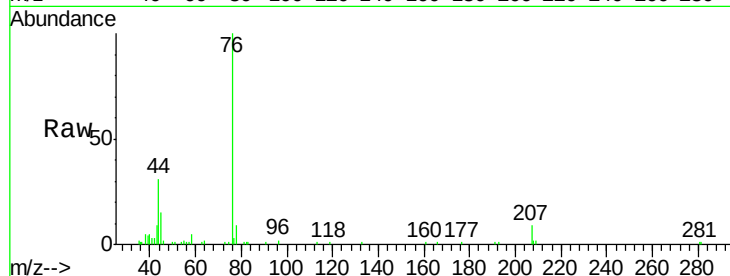




#17
Carbon Disulfide
Concen: 2.358 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

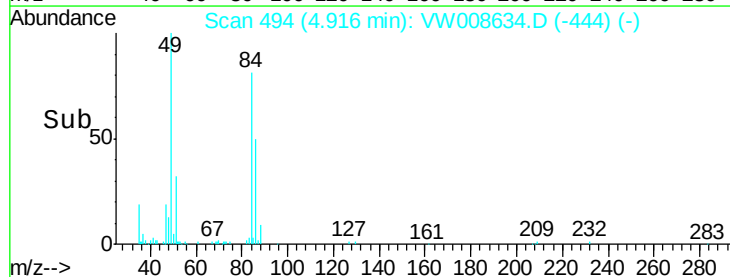
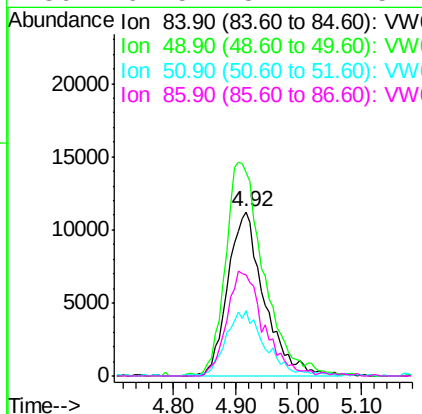
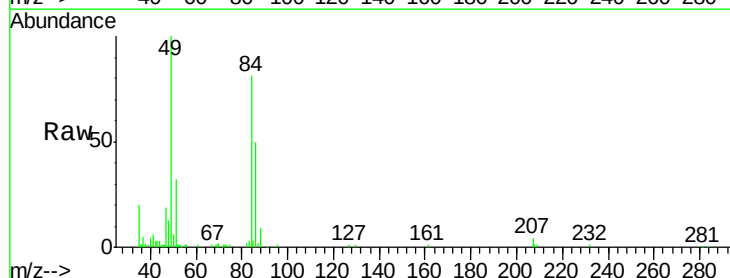
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-K

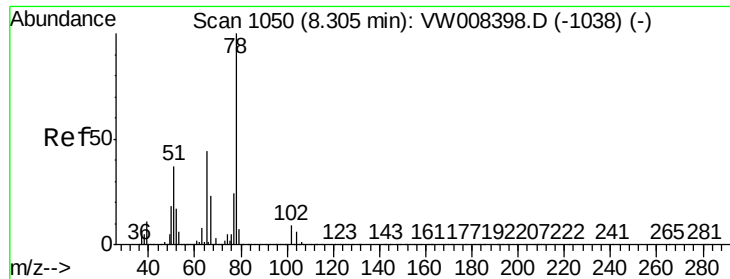
Tot Ion: 76 Resp: 24852
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5



#20
Methylene Chloride
Concen: 12.321 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

Tgt Ion: 84 Resp: 45158
Ion Ratio Lower Upper
84 100
49 122.9 106.8 160.2
51 39.8 32.9 49.3
86 61.5 52.2 78.2

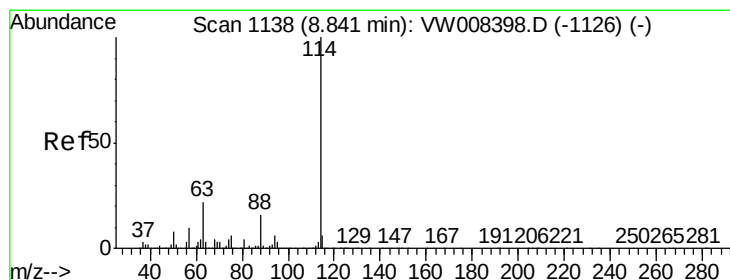
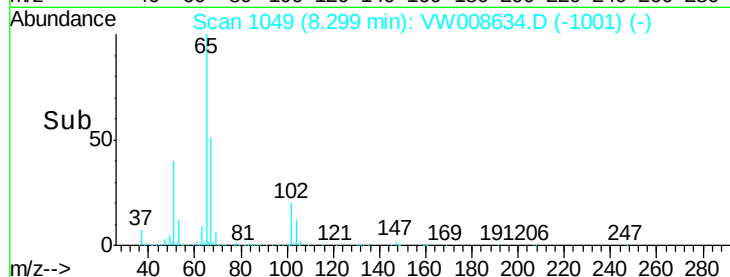
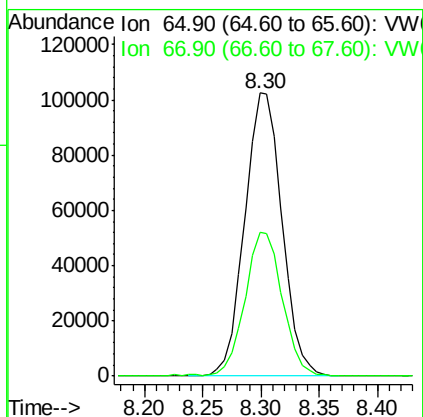
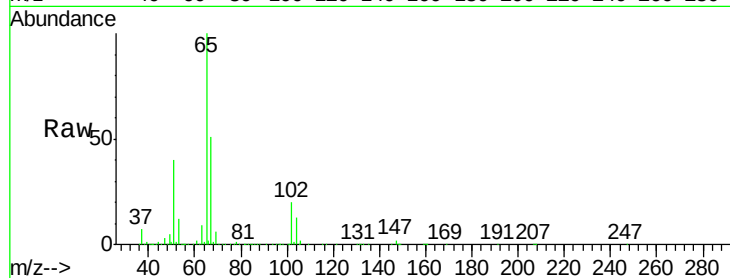




#33
 1,2-Dichloroethane-d4
 Concen: 64.673 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008634.D
 Acq: 12 Feb 2019 20:19

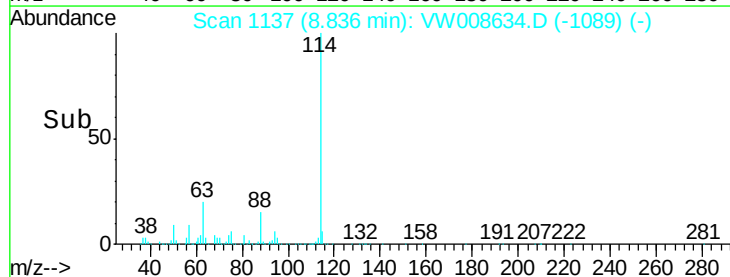
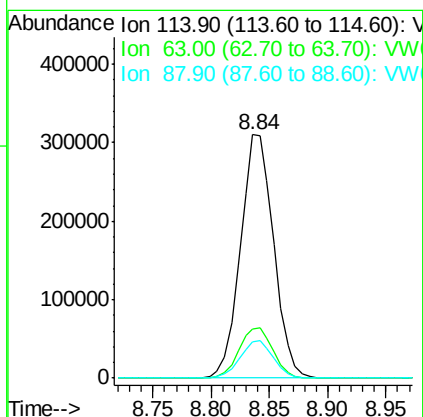
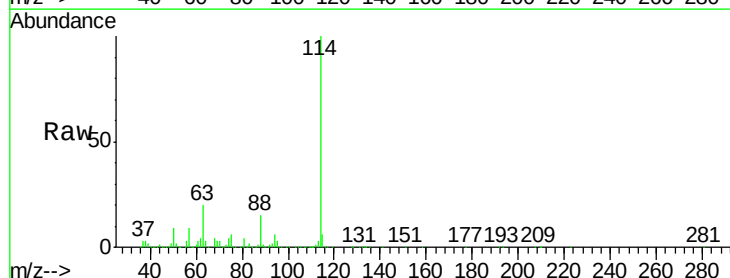
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-K

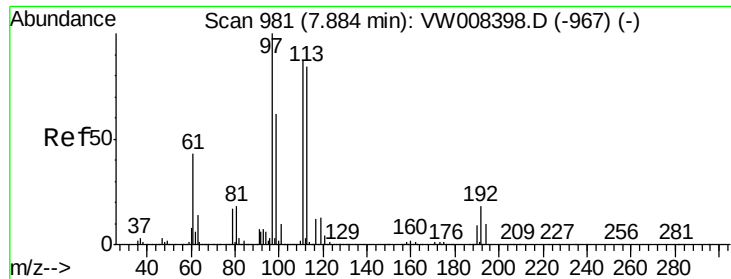
Tot Ion: 65 Resp: 229015
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008634.D
 Acq: 12 Feb 2019 20:19

Tgt Ion: 114 Resp: 616290
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.6
 88 14.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.808 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-K

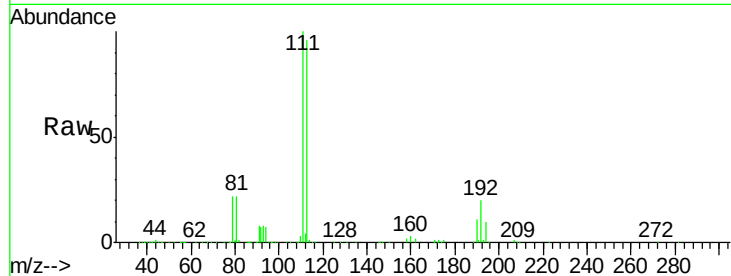
Tot Ion:113 Resp: 186699

Ion Ratio Lower Upper

113 100

111 103.6 81.0 121.4

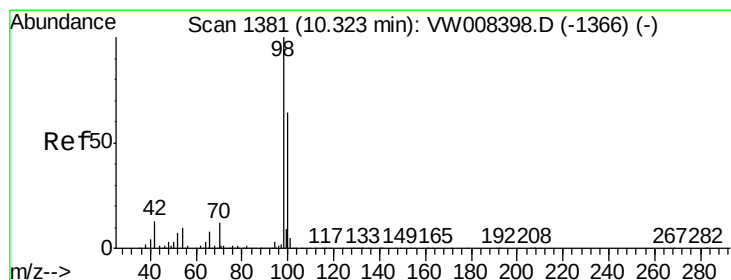
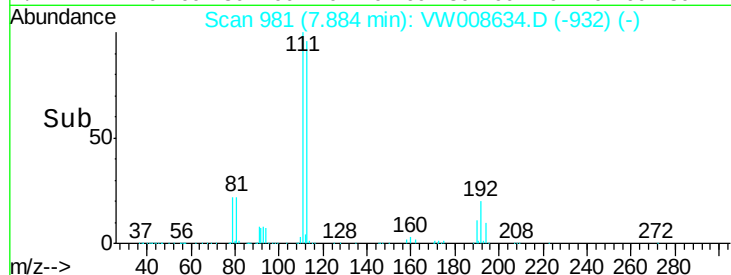
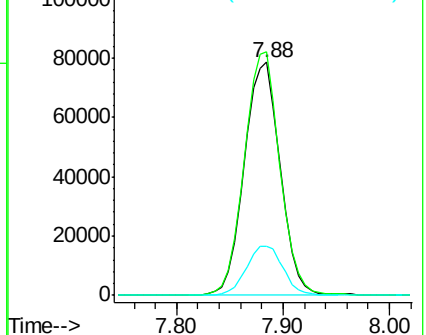
192 21.5 16.8 25.2



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



#50

Toluene-d8

Concen: 48.164 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008634.D

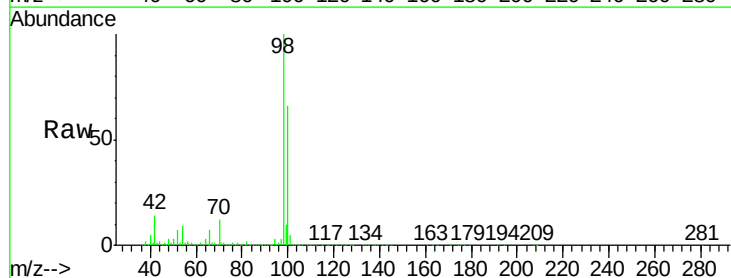
Acq: 12 Feb 2019 20:19

Tgt Ion: 98 Resp: 696012

Ion Ratio Lower Upper

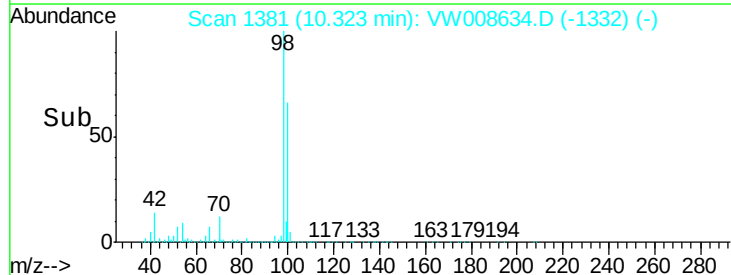
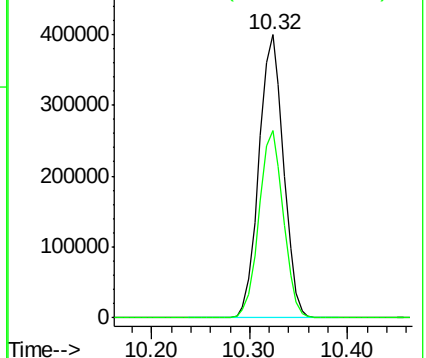
98 100

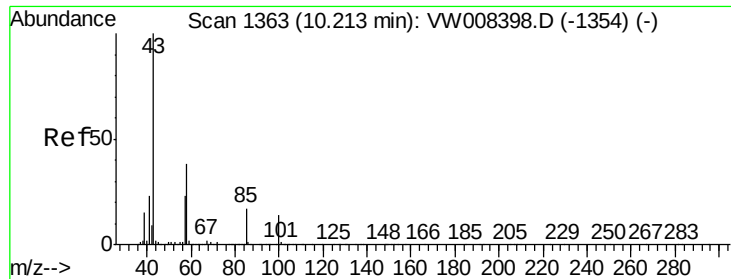
100 65.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

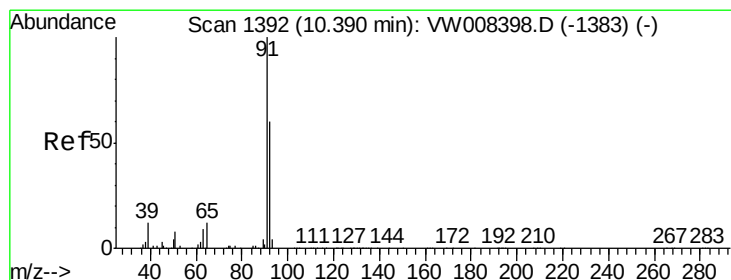
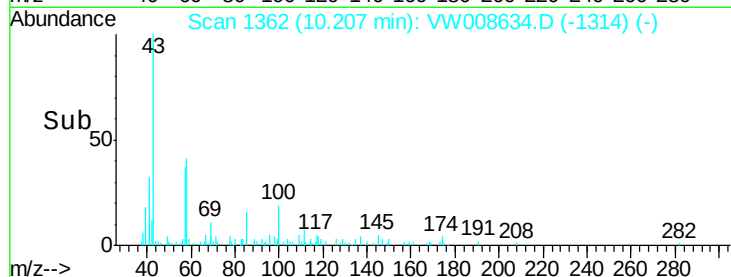
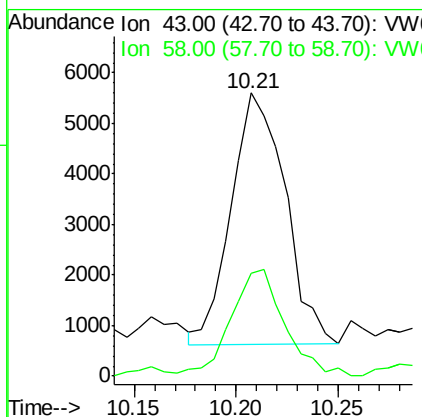
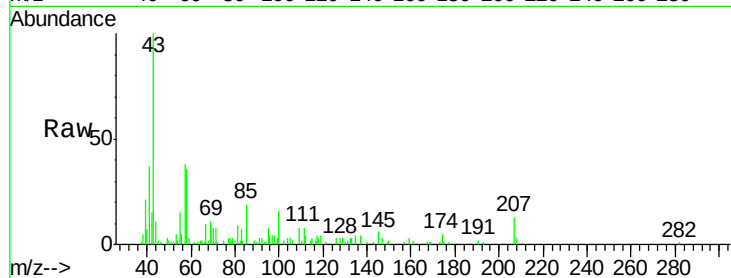




#51
4-Methyl-2-Pentanone
Concen: 3.454 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

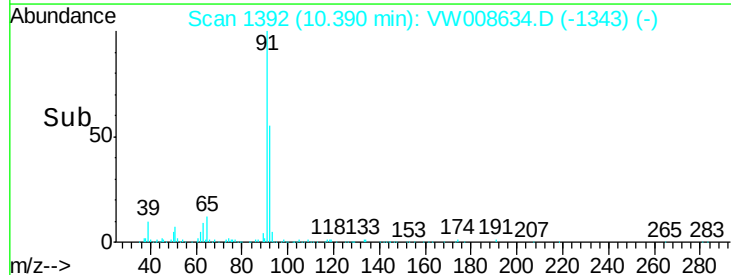
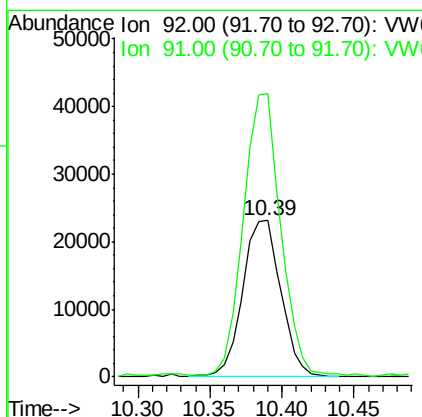
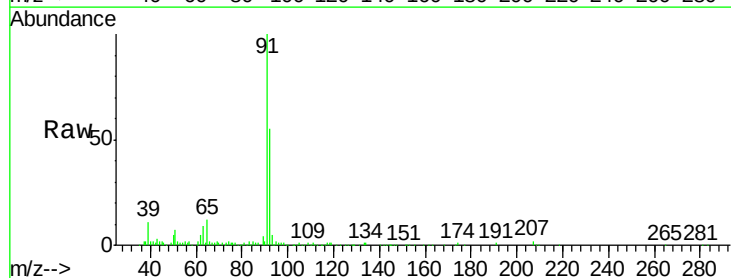
Instrument :
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JC-02-021119-K

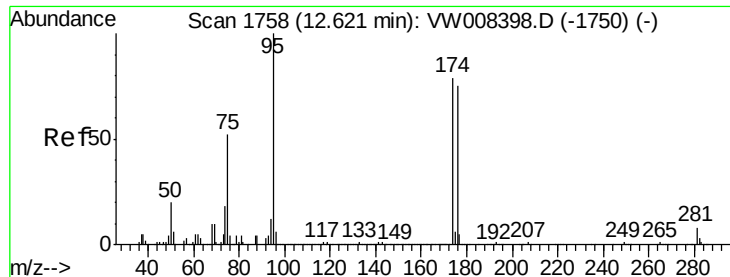
Tot Ion: 43 Resp: 9131
Ion Ratio Lower Upper
43 100
58 42.4 29.7 44.5



#52
Toluene
Concen: 3.982 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

Tgt Ion: 92 Resp: 42465
Ion Ratio Lower Upper
92 100
91 176.9 135.5 203.3

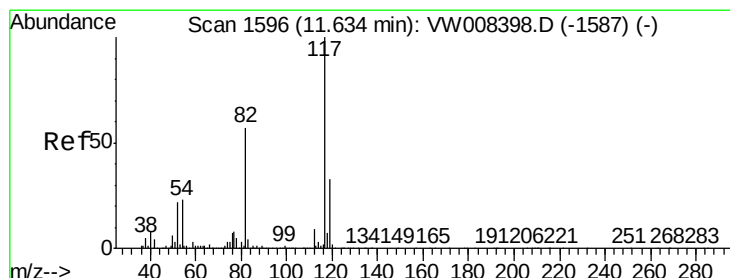
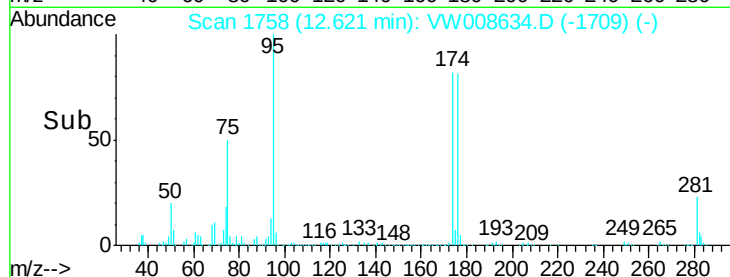
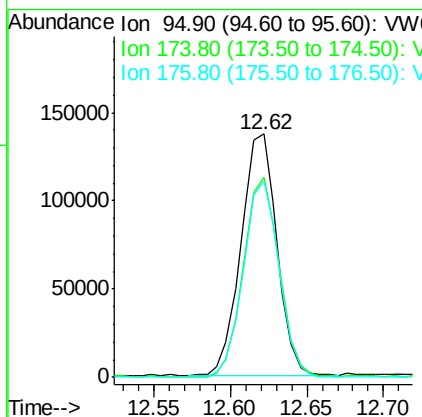
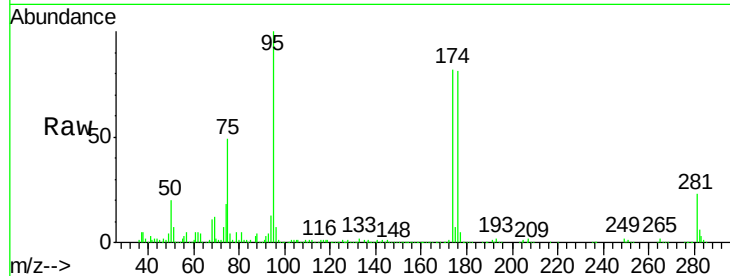




#62
4-Bromofluorobenzene
Concen: 39.993 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

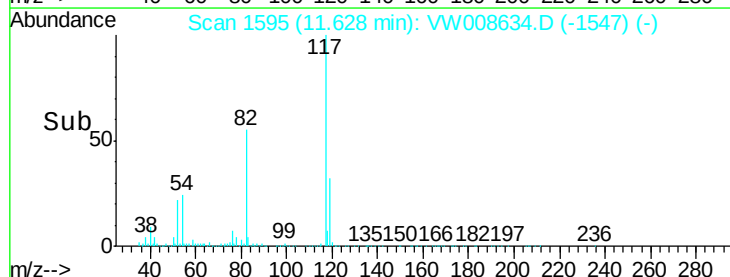
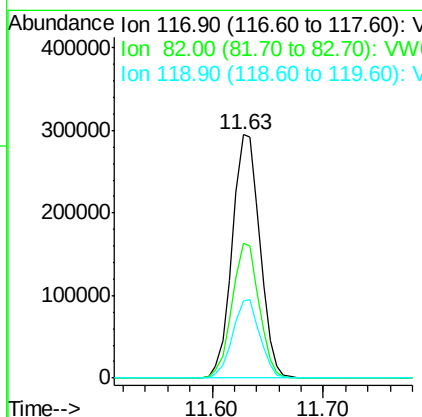
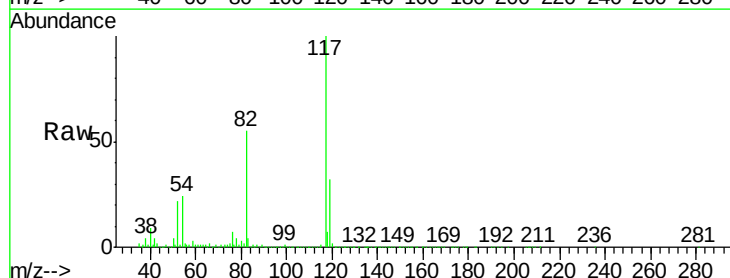
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-K

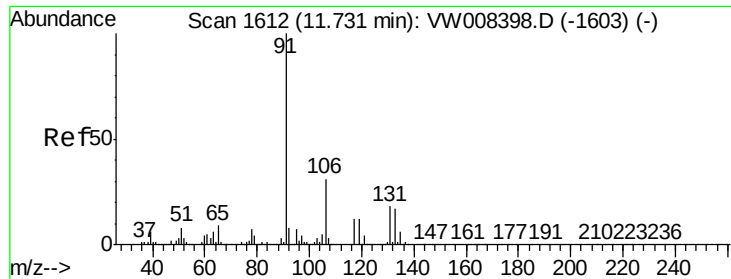
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	157.6
176	81.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	31.7	26.2	39.4





#67

Ethyl Benzene

Concen: 1.205 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

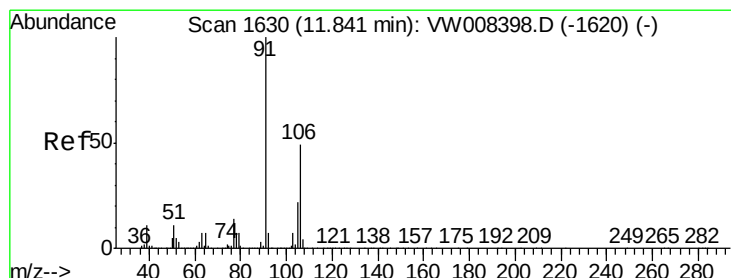
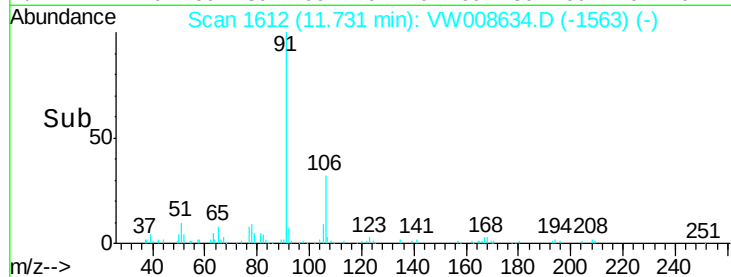
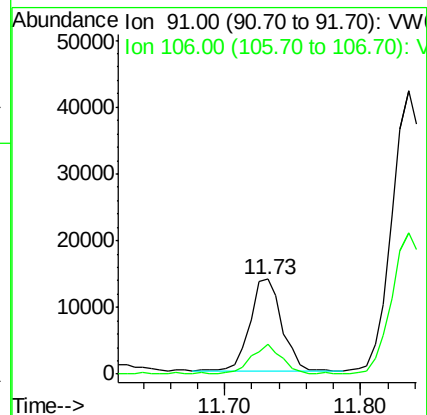
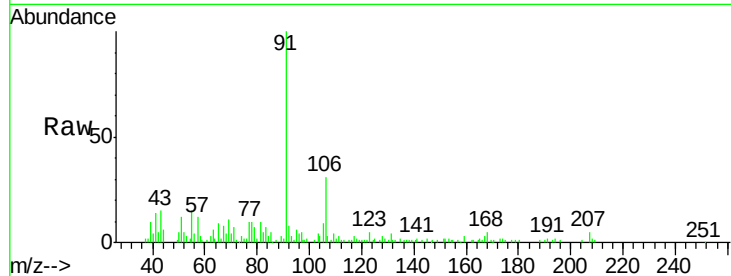
JC-02-021119-K

Tot Ion: 91 Resp: 22870

Ion Ratio Lower Upper

91 100

106 32.4 24.7 37.1



#68

m/p-Xylenes

Concen: 5.299 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW008634.D

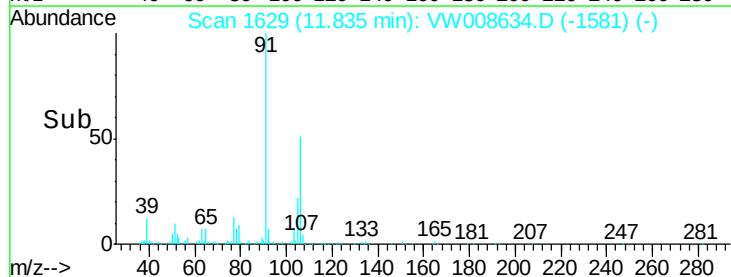
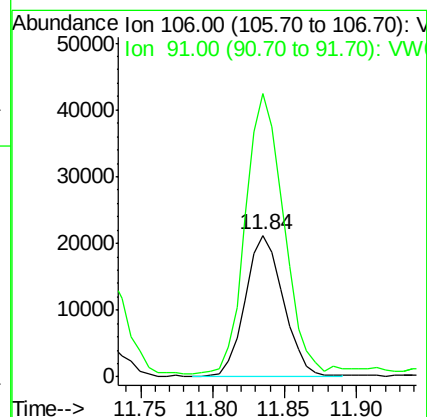
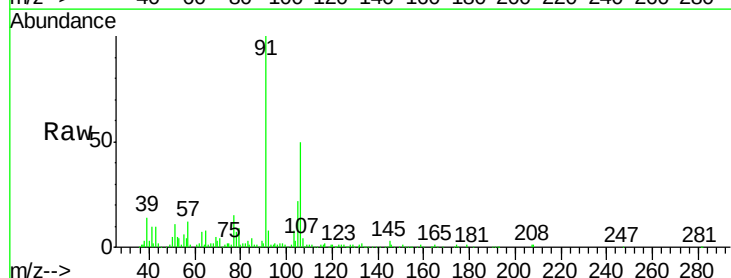
Acq: 12 Feb 2019 20:19

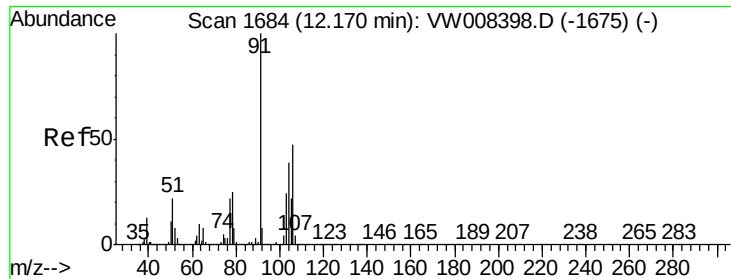
Tgt Ion: 106 Resp: 39016

Ion Ratio Lower Upper

106 100

91 197.8 162.9 244.3

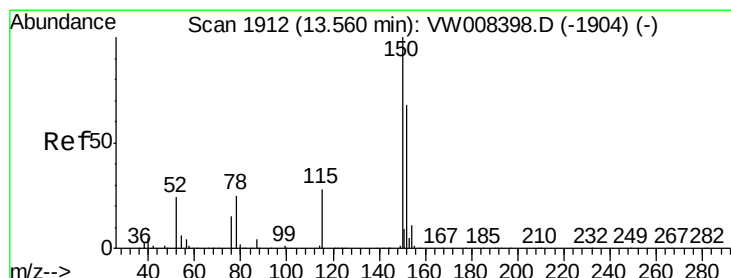
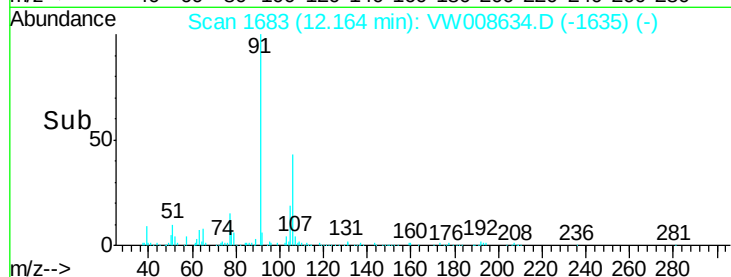
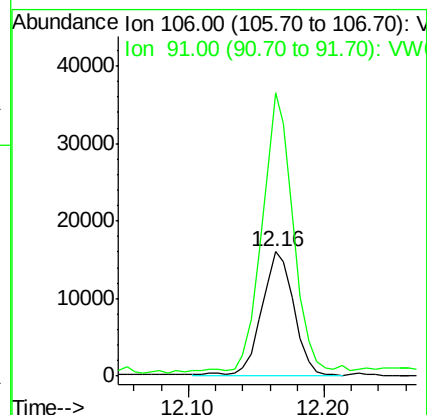
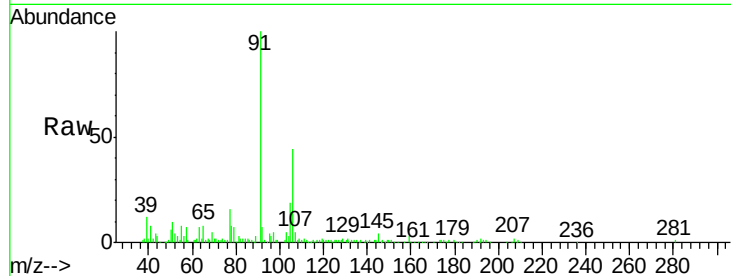




#69
o-Xylene
Concen: 3.718 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

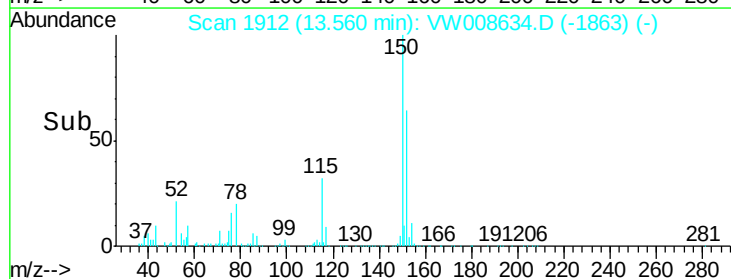
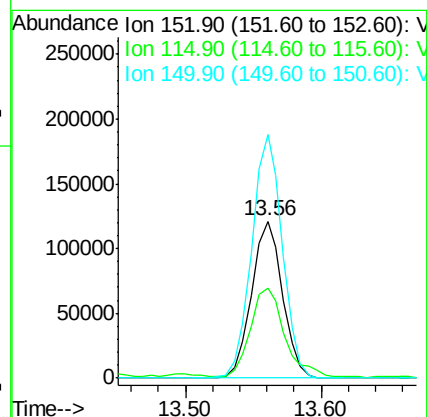
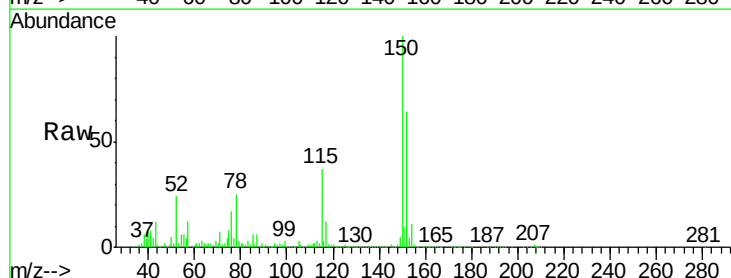
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-K

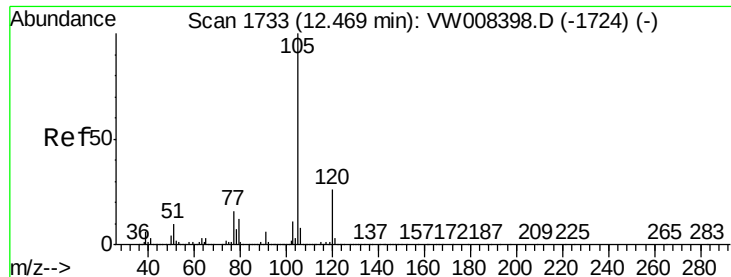
Tot Ion:106 Resp: 26009
Ion Ratio Lower Upper
106 100
91 226.2 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008634.D
Acq: 12 Feb 2019 20:19

Tgt Ion:152 Resp: 191282
Ion Ratio Lower Upper
152 100
115 63.4 29.9 89.7
150 154.2 0.0 351.4





#73

Isopropylbenzene

Concen: 1.147 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

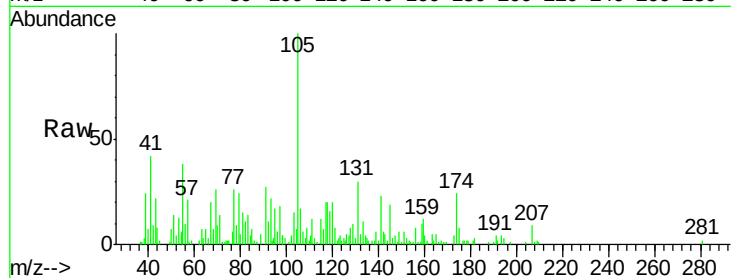
JC-02-021119-K

Tot Ion:105 Resp: 16360

Ion Ratio Lower Upper

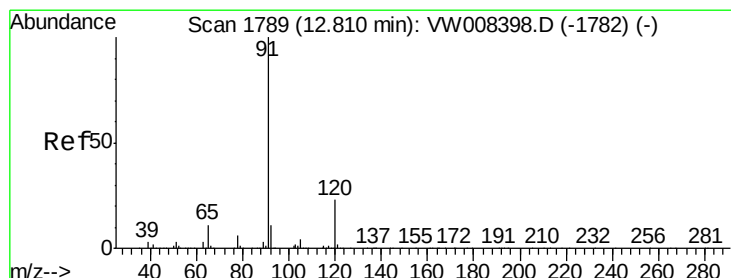
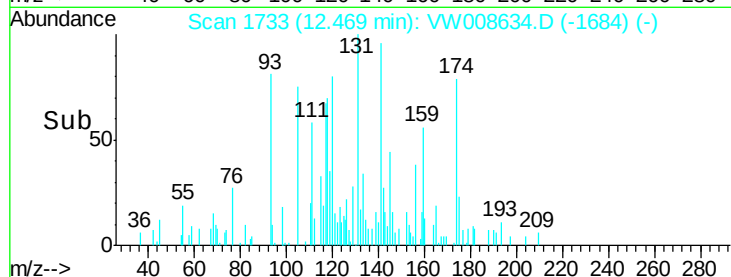
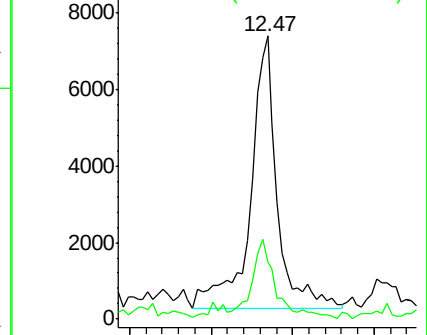
105 100

120 19.3 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: 3.099 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008634.D

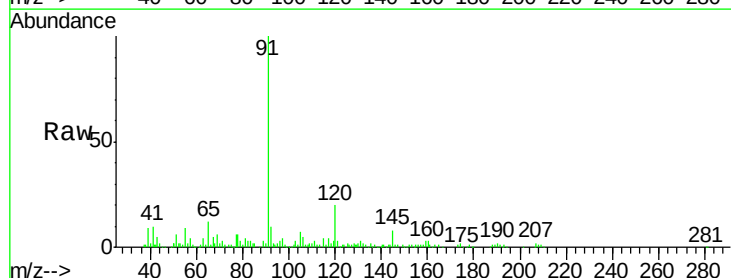
Acq: 12 Feb 2019 20:19

Tgt Ion: 91 Resp: 53081

Ion Ratio Lower Upper

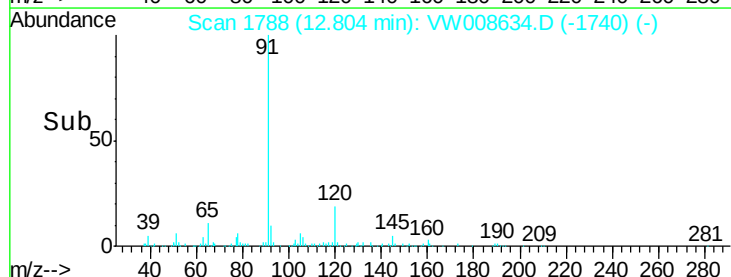
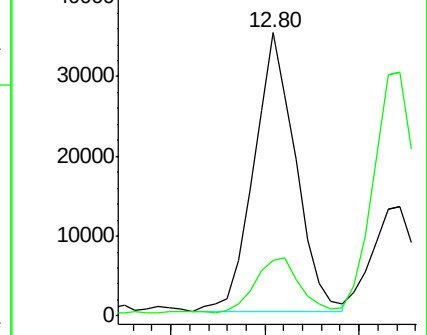
91 100

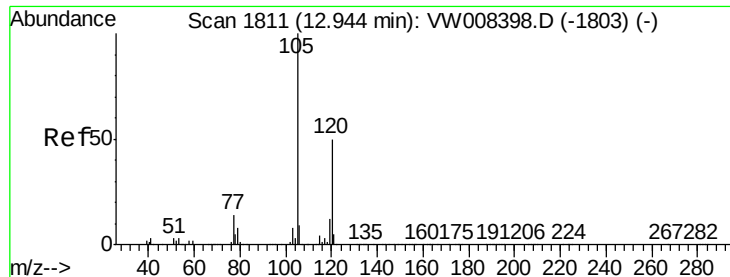
120 20.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

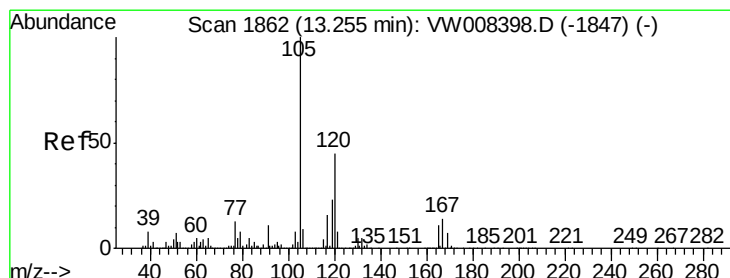
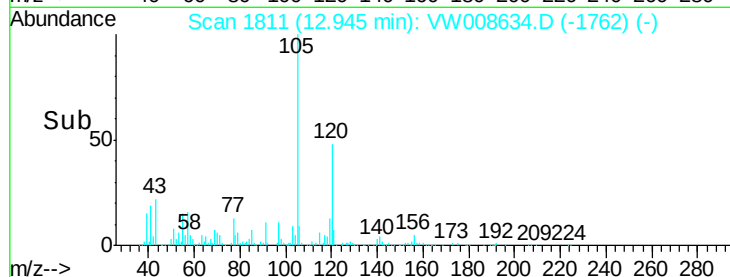
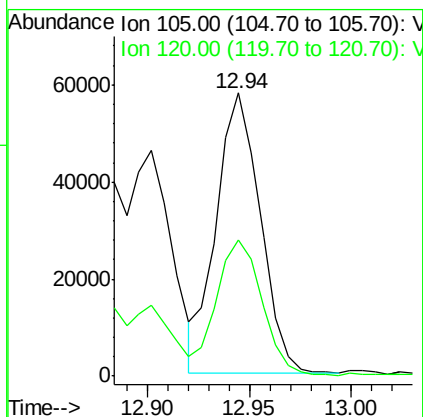
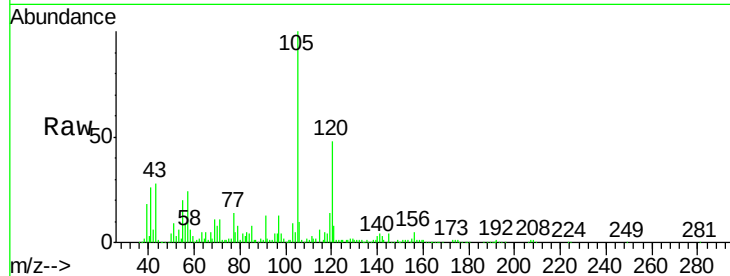




#80
 1,3,5-Trimethylbenzene
 Concen: 7.215 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008634.D
 Acq: 12 Feb 2019 20:19

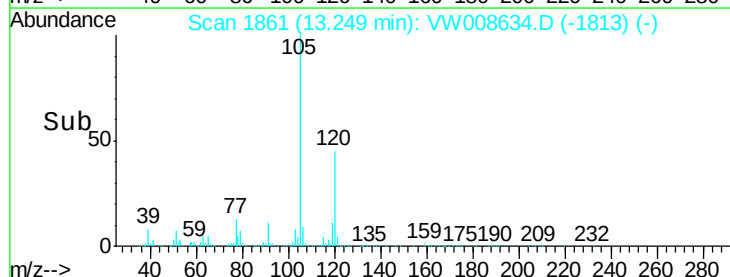
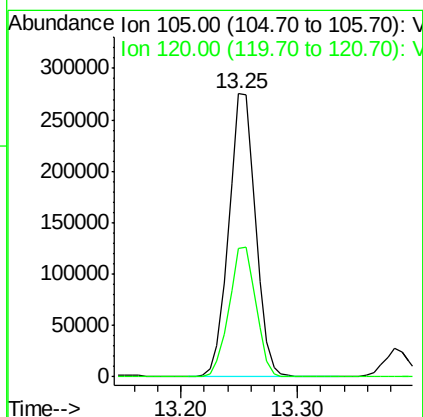
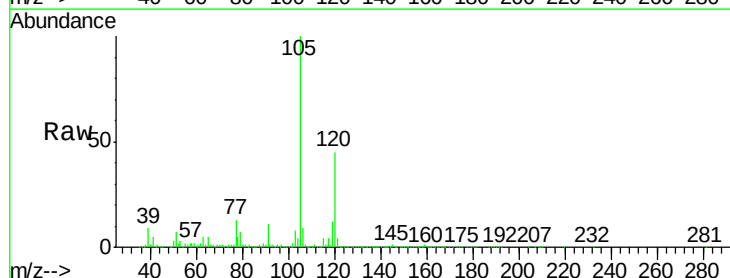
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-K

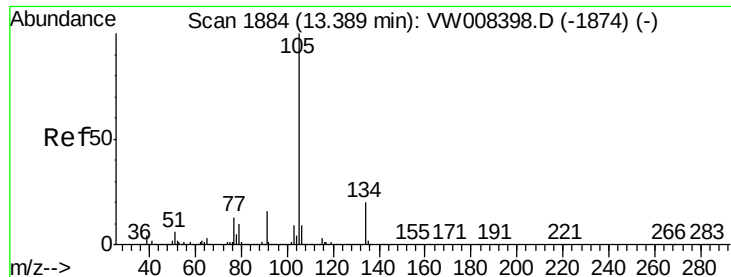
Tot Ion:105 Resp: 86001
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 36.158 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW008634.D
 Acq: 12 Feb 2019 20:19

Tgt Ion:105 Resp: 438059
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.638 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

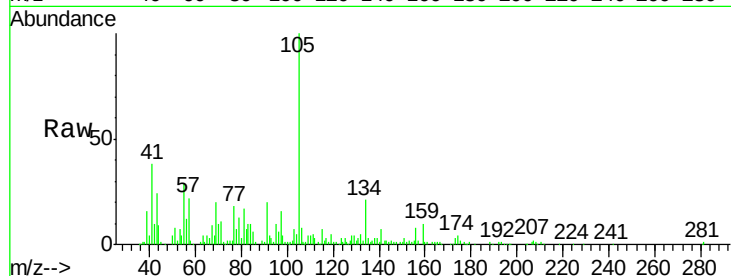
JC-02-021119-K

Tot Ion:105 Resp: 39958

Ion Ratio Lower Upper

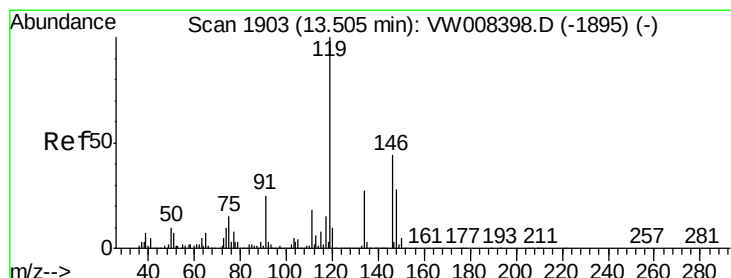
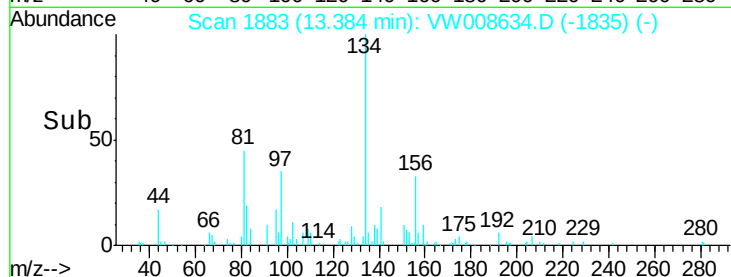
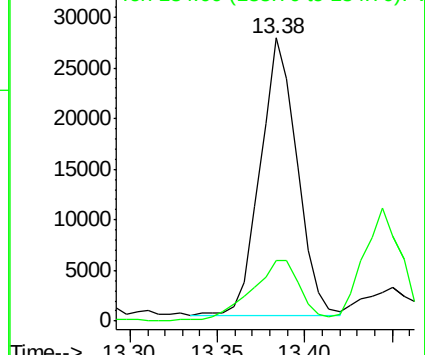
105 100

134 29.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.524 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

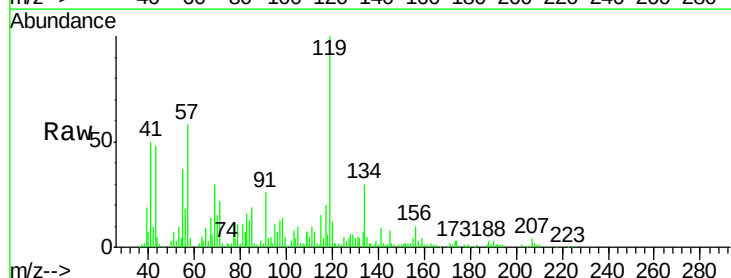
Tgt Ion:119 Resp: 33487

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

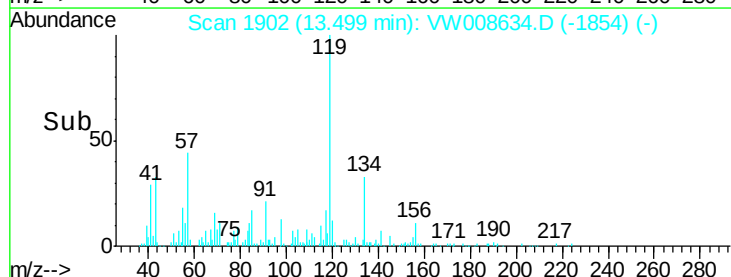
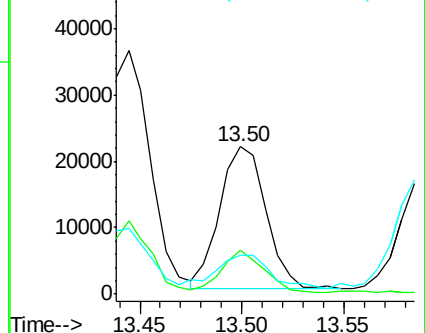
91 27.4 12.6 37.6

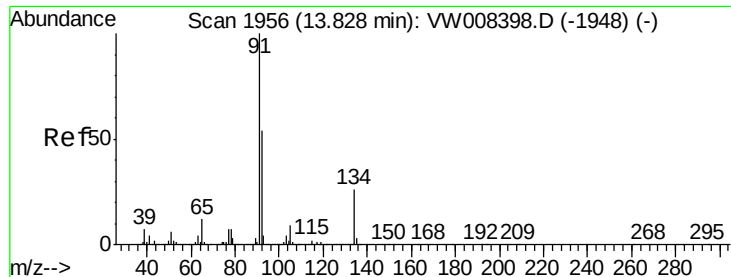


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 6.862 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

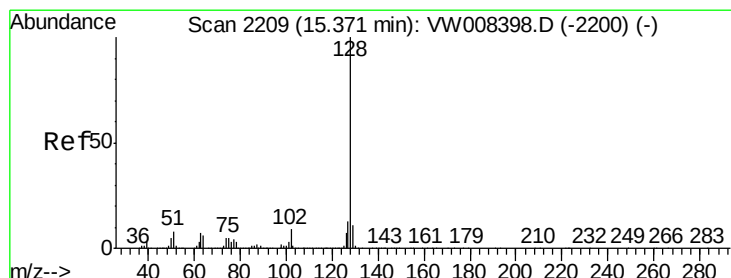
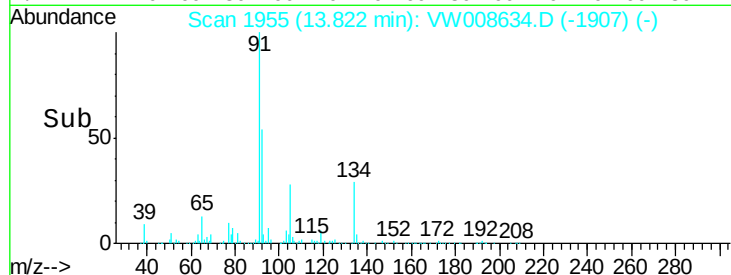
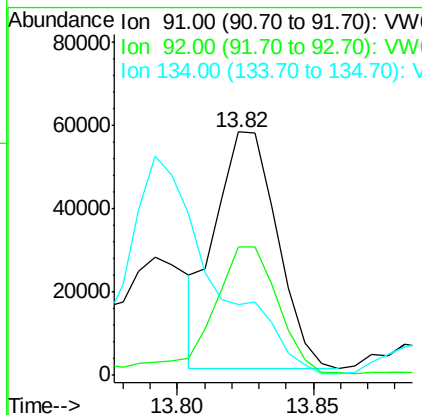
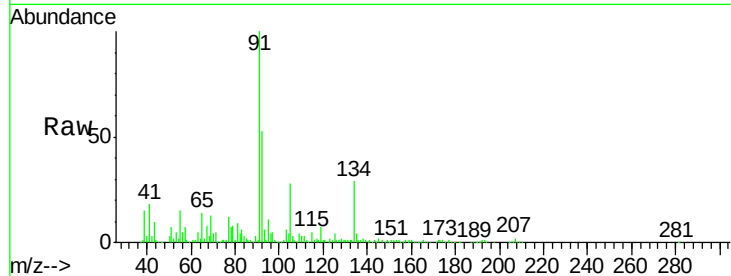
Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-K

Tot Ion:	91	Resp:	89402
Ion	Ratio	Lower	Upper
91	100		
92	57.3	27.4	82.2
134	0.0	13.0	39.0#



#95

Naphthalene

Concen: 26.859 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008634.D

Acq: 12 Feb 2019 20:19

Tgt Ion:	128	Resp:	187297
Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.6	15.8#
129	14.9	8.7	13.1#

