

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008480.D
 Acq On : 01 Feb 2019 14:38
 Operator : SY/VA
 Sample : K1011-15RE
 Misc : 6.22G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-013119-BRE

Quant Time: Feb 02 03:17:35 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	350199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	571523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164162	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	188061	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	7.88	113	183292	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.32	98	637746	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.62	95	195265	37.91	ug/l	0.00
Spiked Amount			Recovery	=	75.82%	

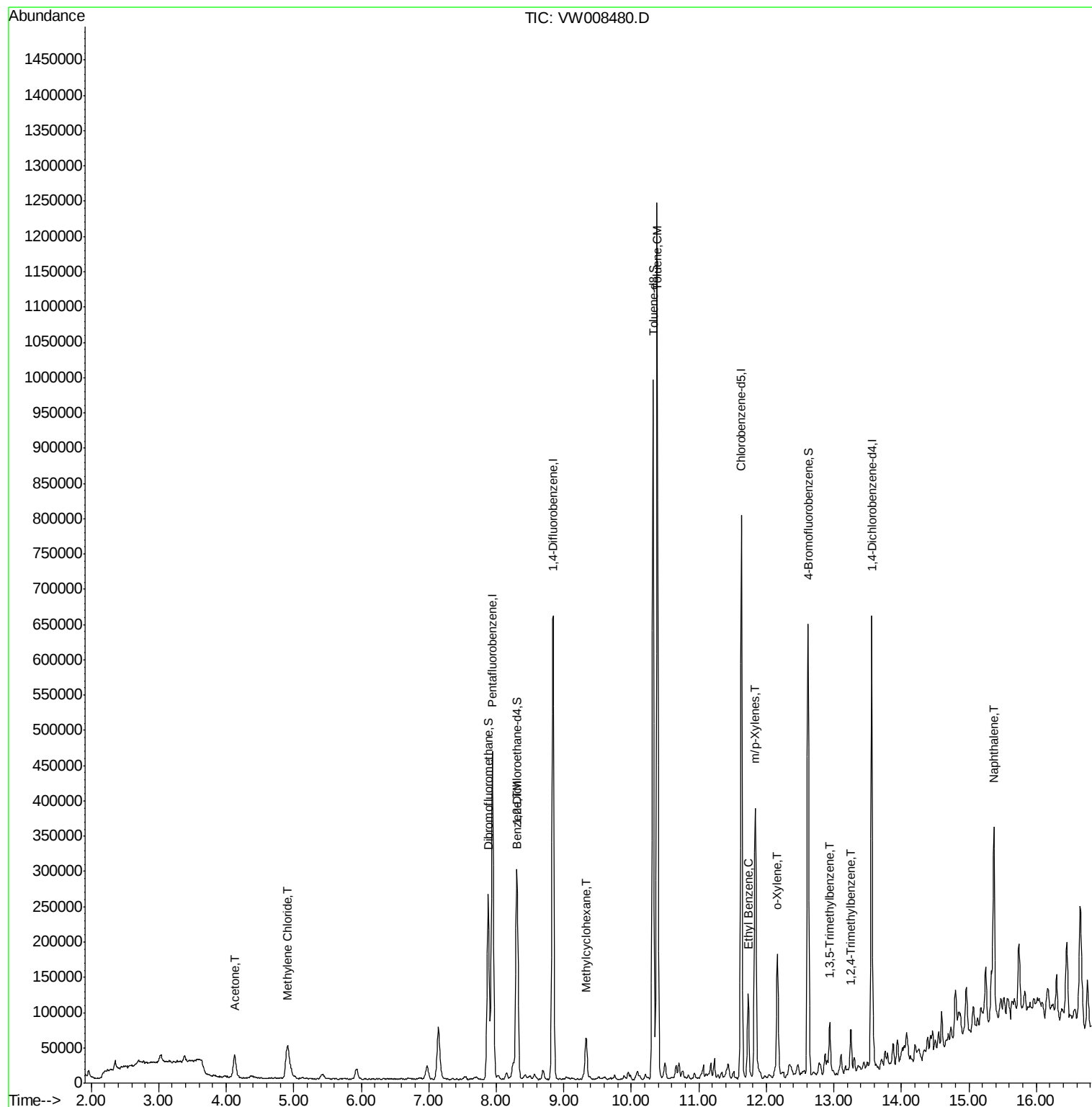
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	56356	72.944	ug/l	97
20) Methylene Chloride	4.91	84	39190	11.006	ug/l	96
39) Methylcyclohexane	9.33	83	25081	3.536	ug/l	94
40) Benzene	8.32	78	76915	5.134	ug/l	97
52) Toluene	10.38	92	524762	53.065	ug/l	100
67) Ethyl Benzene	11.73	91	80046	4.748	ug/l	99
68) m/p-Xylenes	11.84	106	120800	18.468	ug/l	94
69) o-Xylene	12.16	106	45309	7.290	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	15541	1.519	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	34769	3.344	ug/l	99
95) Naphthalene	15.37	128	239215	39.972	ug/l	98

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

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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: VW008480.D

Acq: 01 Feb 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

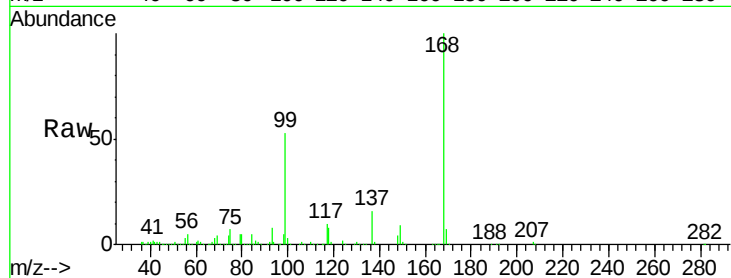
OR-02-013119-BRE

Tot Ion:168 Resp: 350199

Ion Ratio Lower Upper

168 100

99 53.3 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

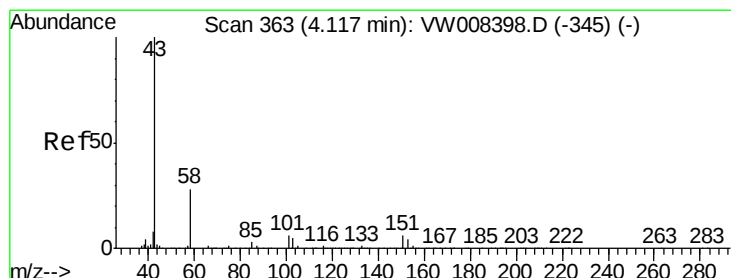
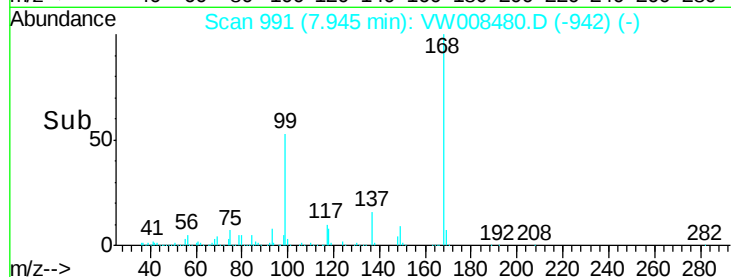
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50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 72.944 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008480.D

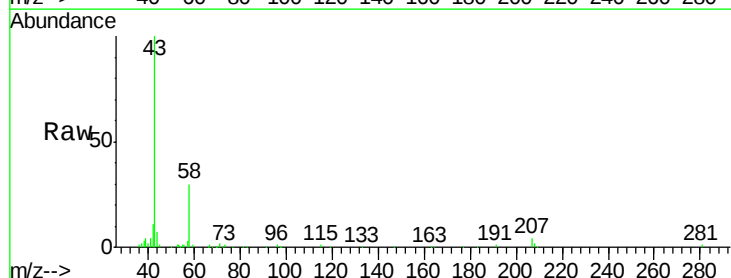
Acq: 01 Feb 2019 14:38

Tgt Ion: 43 Resp: 56356

Ion Ratio Lower Upper

43 100

58 30.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

20000

15000

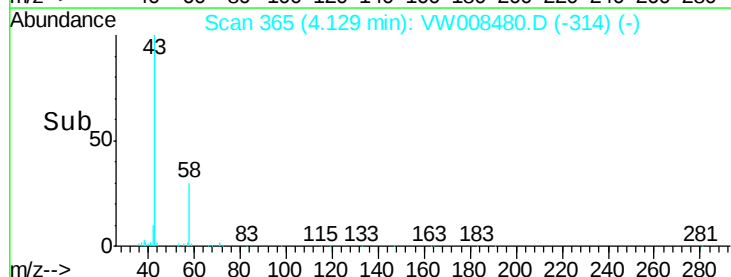
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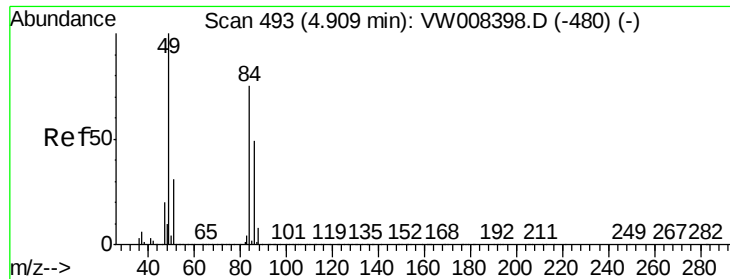
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0

4.00 4.10 4.20

Time-->

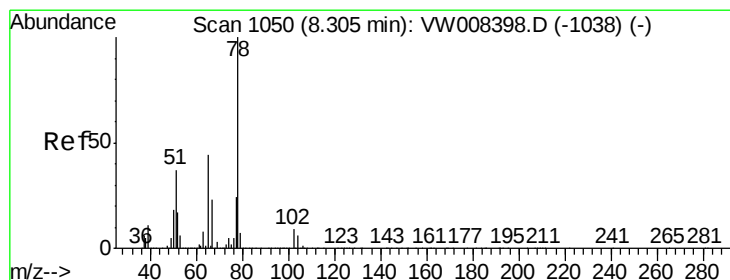
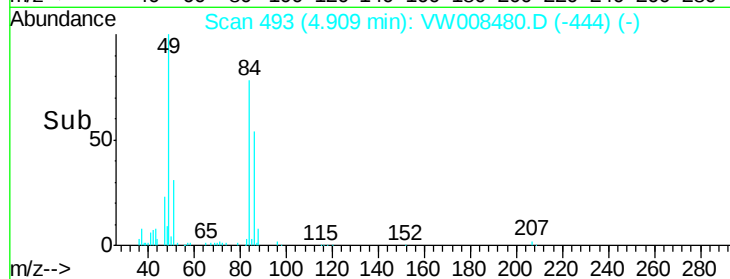
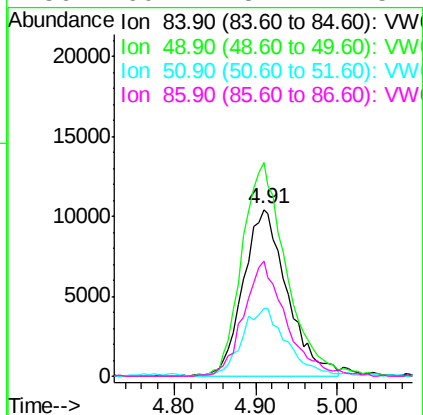
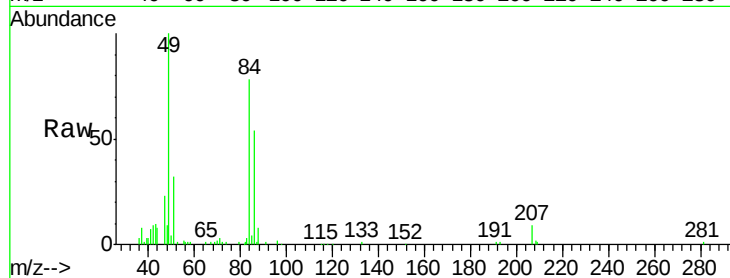




#20
Methylene Chloride
Concen: 11.006 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

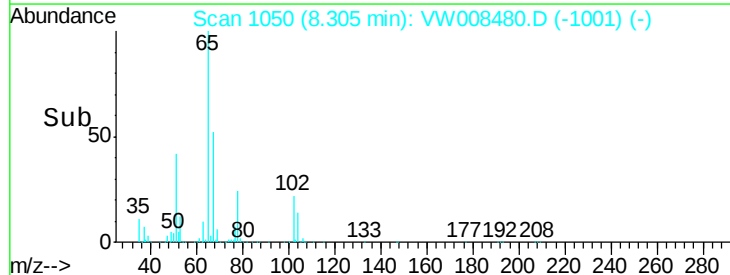
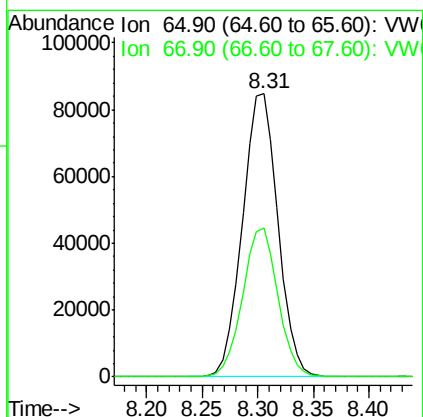
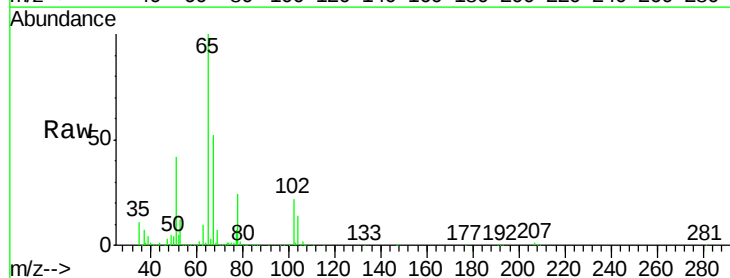
Instrument :
MSVOA_W
ClientSampleId :
OR-02-013119-BRE

Tot Ion:	84	Resp:	39190
Ion	Ratio	Lower	Upper
84	100		
49	128.0	106.8	160.2
51	40.9	32.9	49.3
86	69.1	52.2	78.2



#33
1,2-Dichloroethane-d4
Concen: 54.663 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion:	65	Resp:	188061
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.0

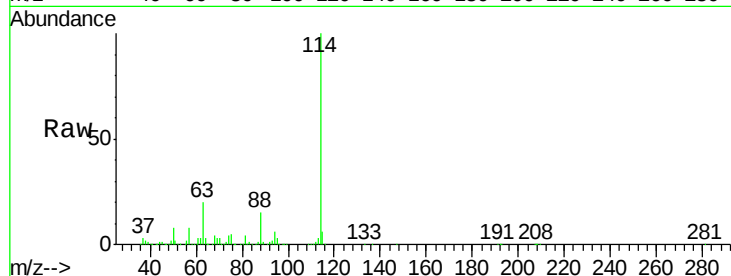




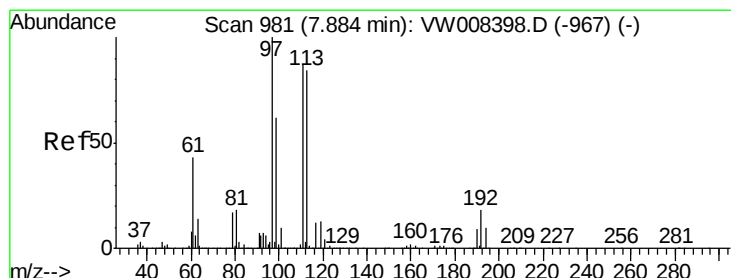
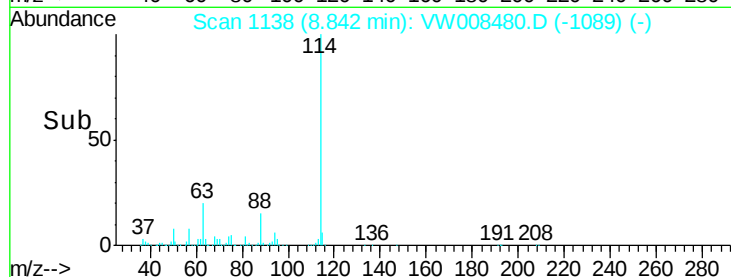
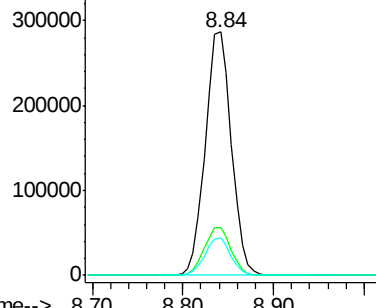
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Instrument :
MSVOA_W
ClientSampleId :
OR-02-013119-BRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.6
88	15.2	0.0	31.8

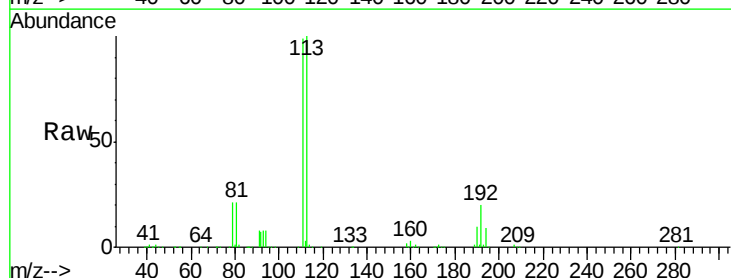


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

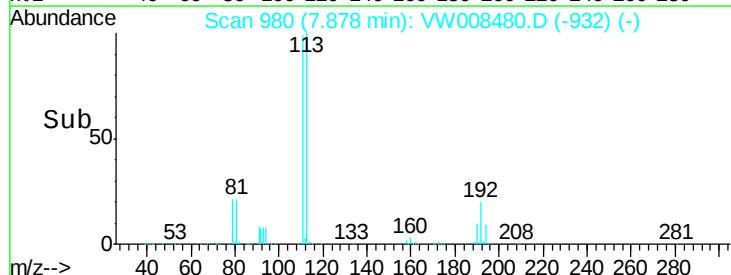
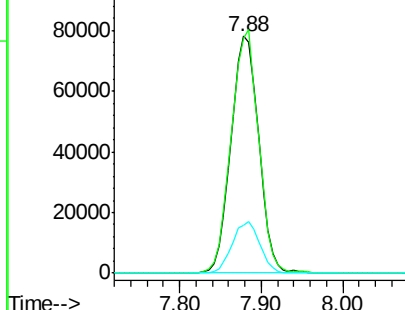


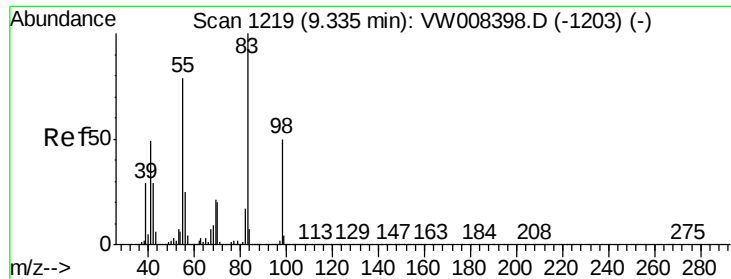
#35
Dibromofluoromethane
Concen: 54.847 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.4
192	21.7	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

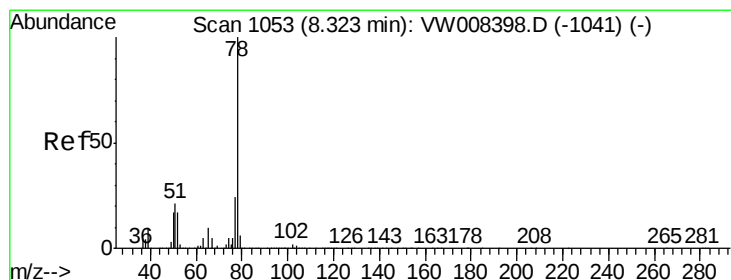
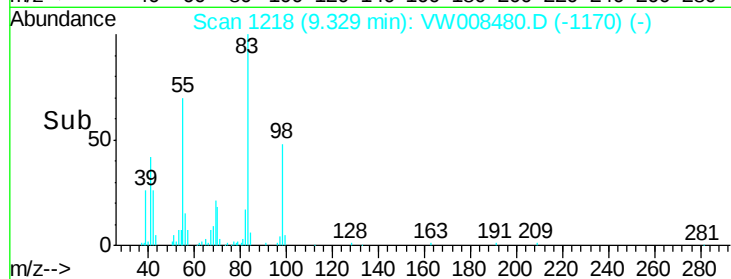
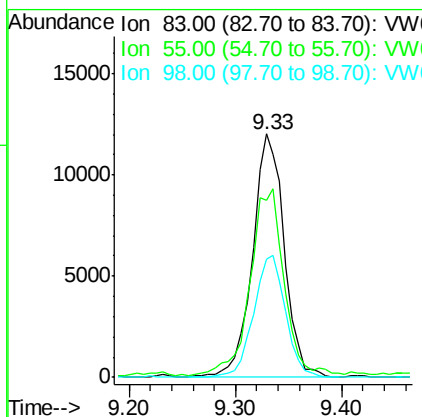
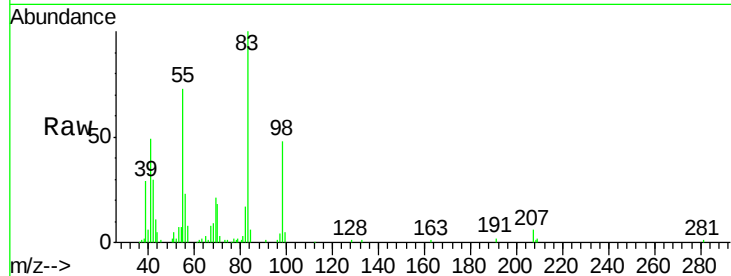




#39
Methvlcvclohexane
Concen: 3.536 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

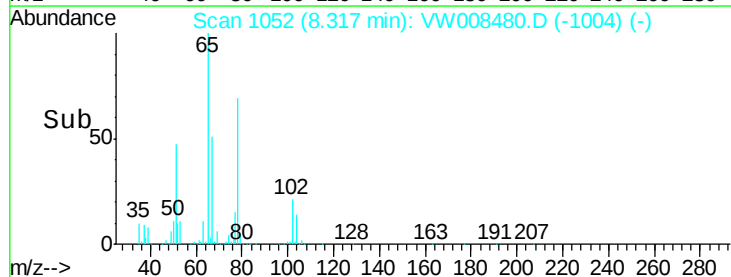
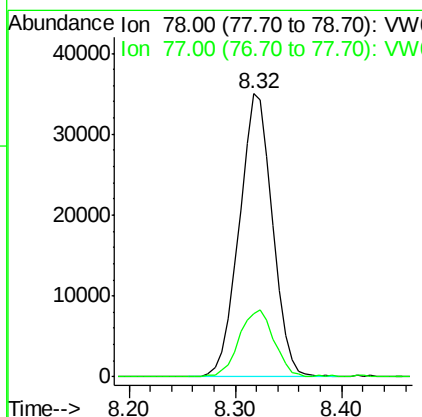
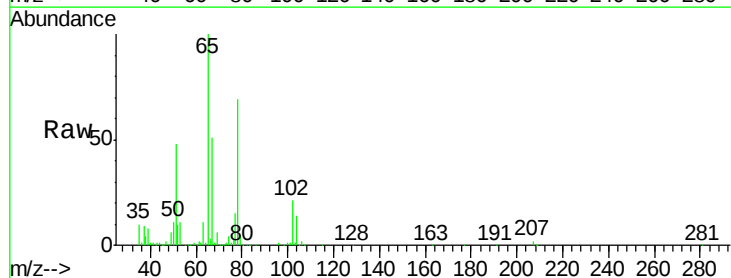
Instrument :
MSVOA_W
ClientSampleId :
OR-02-013119-BRE

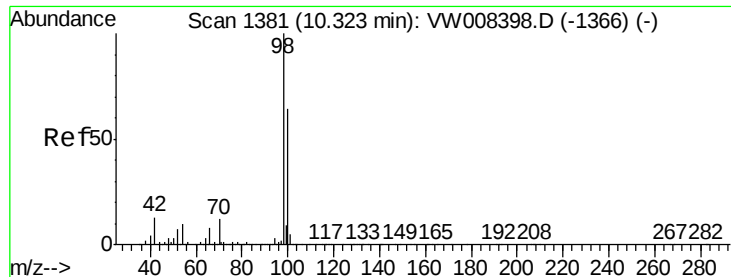
Tot Ion: 83 Resp: 25081
Ion Ratio Lower Upper
83 100
55 71.8 63.3 94.9
98 48.3 39.7 59.5



#40
Benzene
Concen: 5.134 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion: 78 Resp: 76915
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6





#50

Toluene-d8

Concen: 47.589 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008480.D

Acq: 01 Feb 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

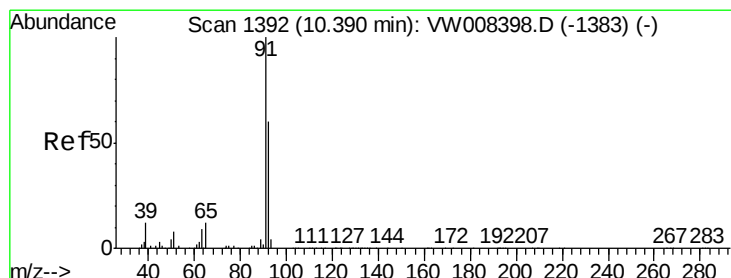
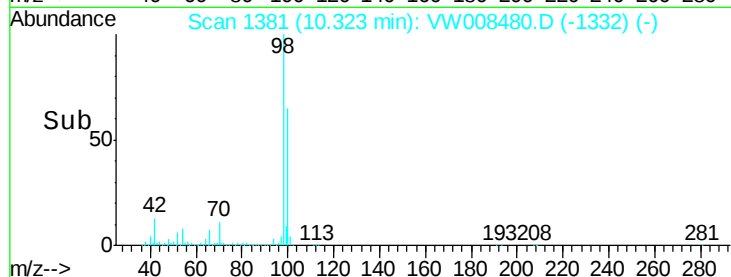
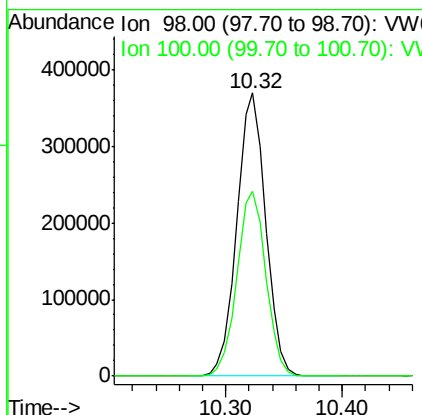
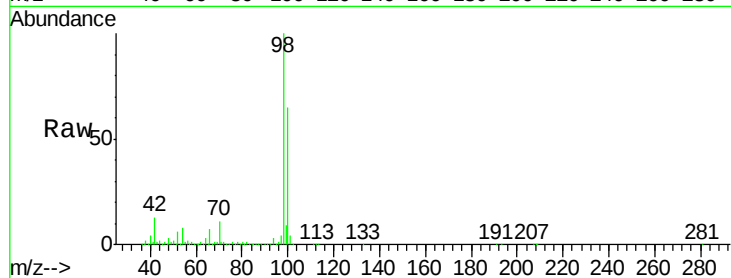
OR-02-013119-BRE

Tot Ion: 98 Resp: 637746

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#52

Toluene

Concen: 53.065 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008480.D

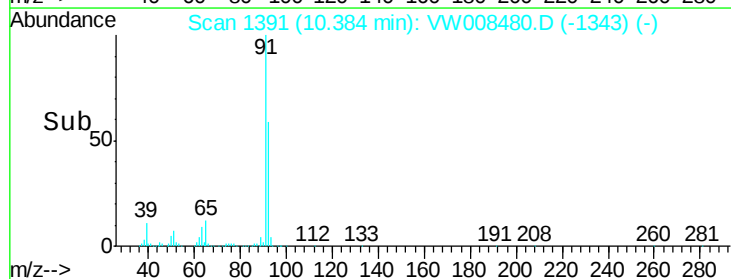
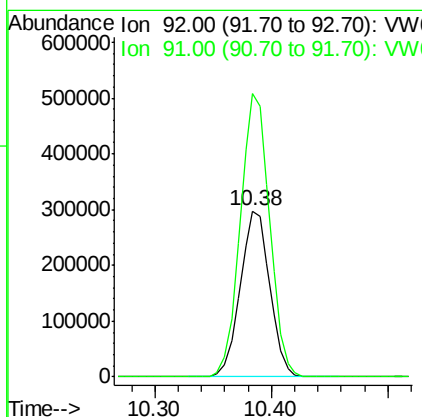
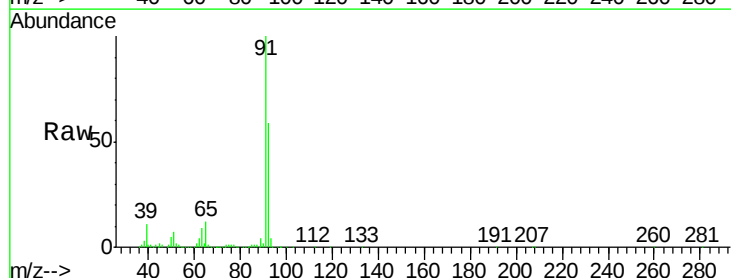
Acq: 01 Feb 2019 14:38

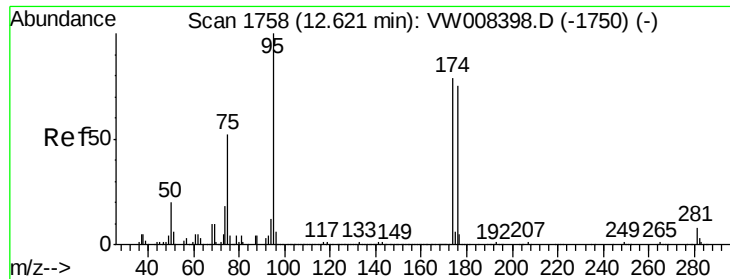
Tgt Ion: 92 Resp: 524762

Ion Ratio Lower Upper

92 100

91 169.9 135.5 203.3

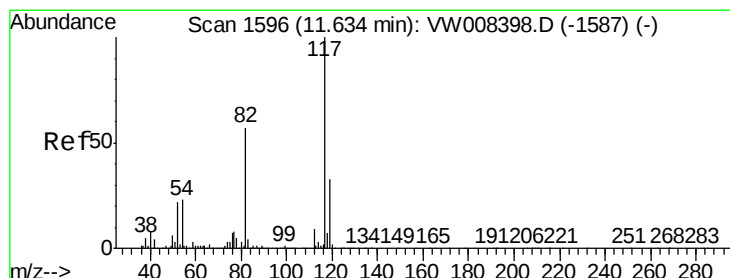
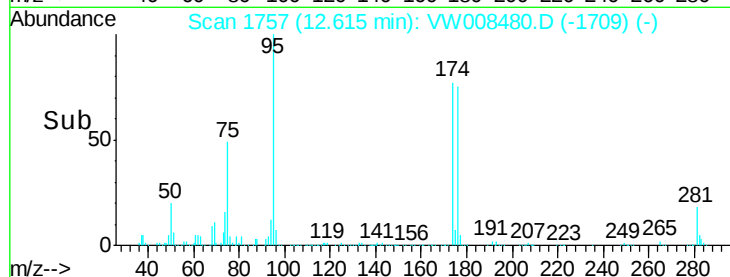
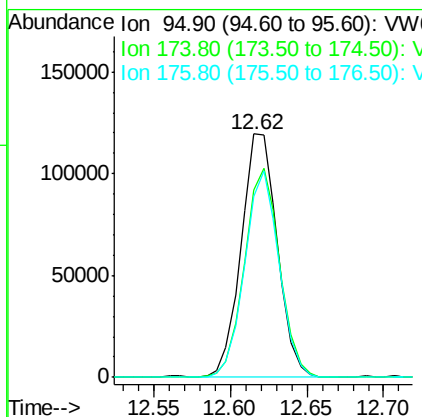
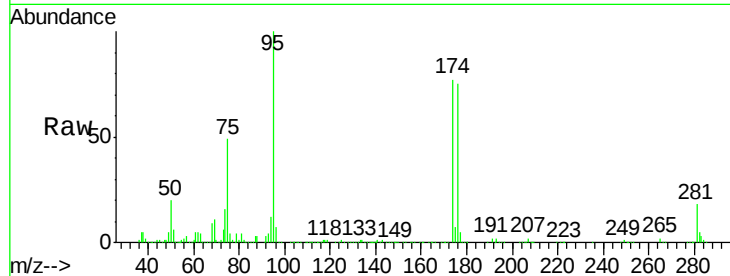




#62
4-Bromofluorobenzene
Concen: 37.907 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

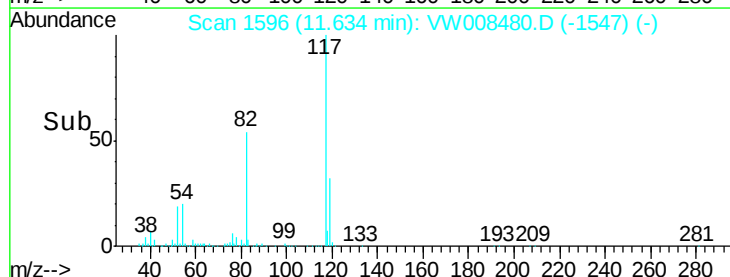
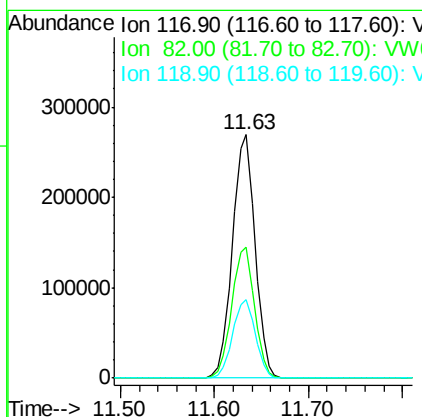
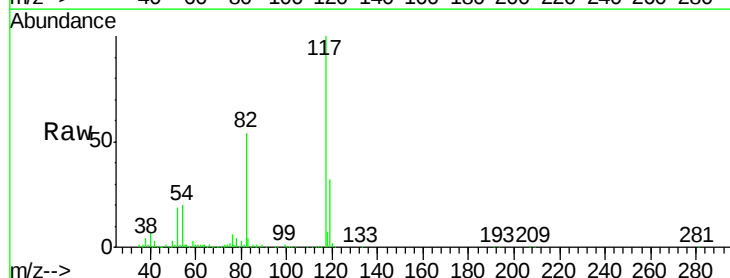
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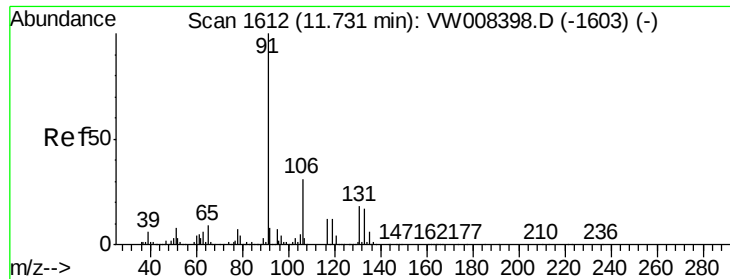
Tot Ion	95	Resp	195265
Ion Ratio	Lower	Upper	
95	100		
174	83.9	0.0	157.6
176	81.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion	117	Resp	449277
Ion Ratio	Lower	Upper	
117	100		
82	53.6	45.4	68.0
119	32.0	26.2	39.4

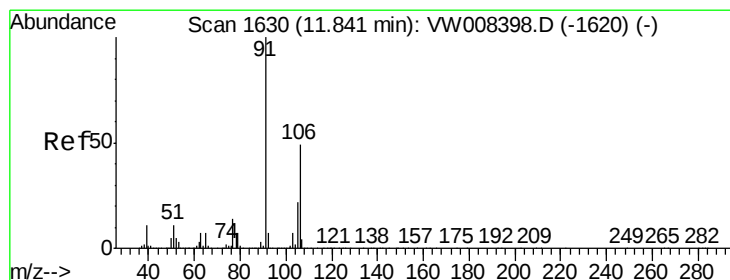
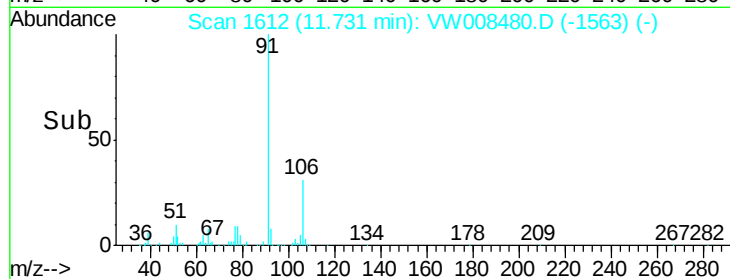
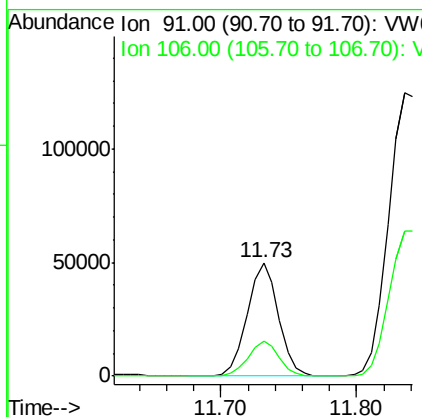
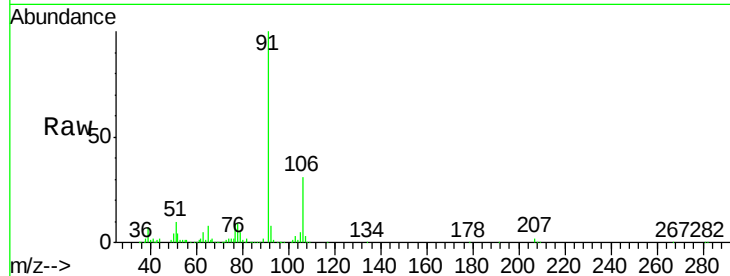




#67
Ethyl Benzene
Concen: 4.748 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

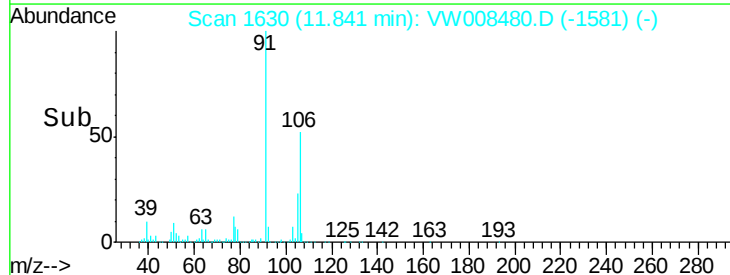
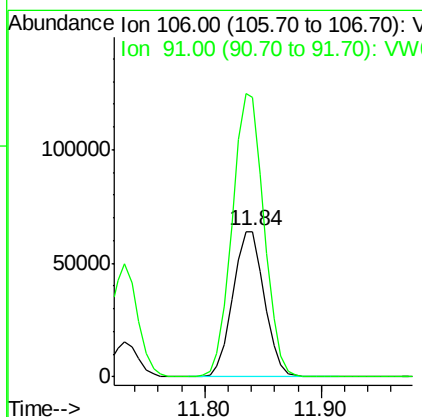
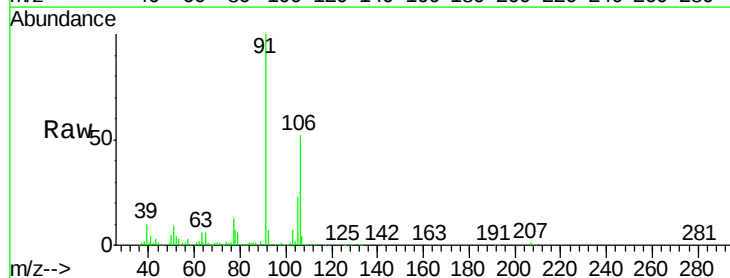
Instrument :
MSVOA_W
ClientSampleId :
OR-02-013119-BRE

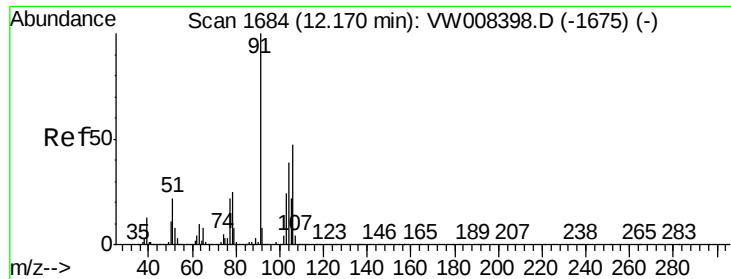
Tot Ion: 91 Resp: 80046
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#68
m/p-Xylenes
Concen: 18.468 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion: 106 Resp: 120800
Ion Ratio Lower Upper
106 100
91 194.9 162.9 244.3

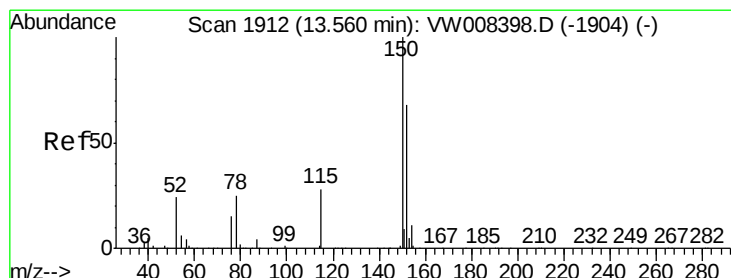
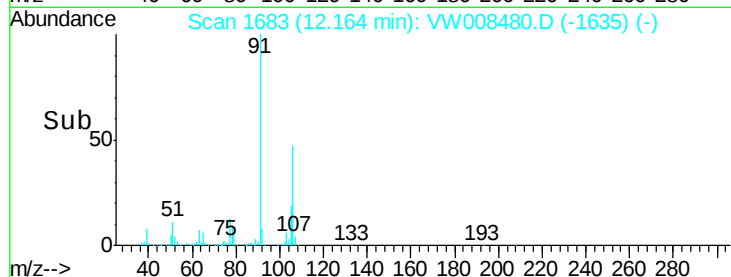
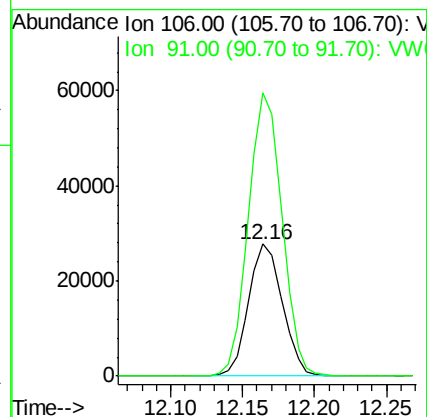
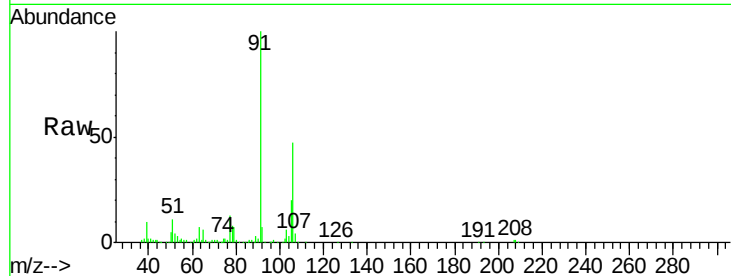




#69
o-Xylene
Concen: 7.290 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

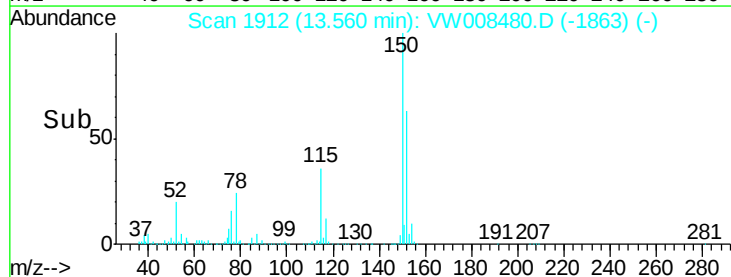
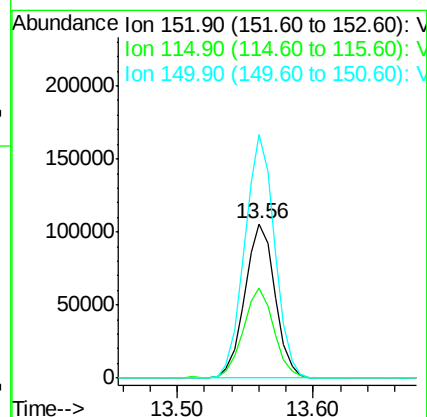
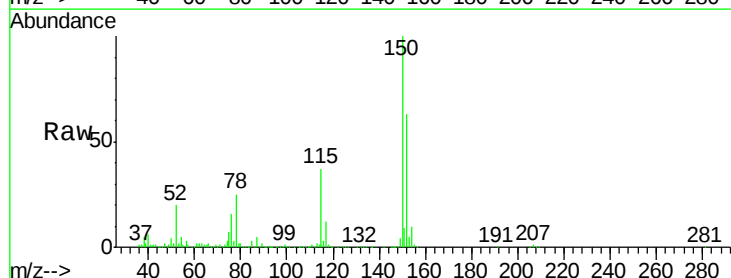
Instrument :
MSVOA_W
ClientSampleId :
OR-02-013119-BRE

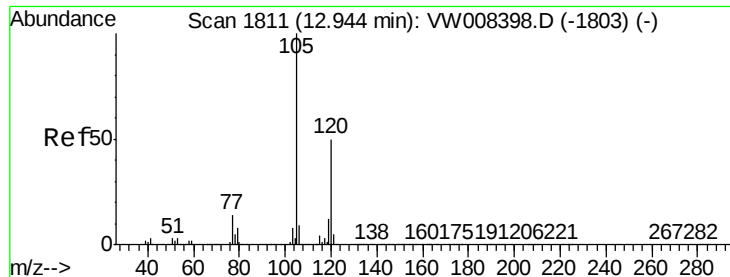
Tot Ion:106 Resp: 45309
Ion Ratio Lower Upper
106 100
91 212.6 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008480.D
Acq: 01 Feb 2019 14:38

Tgt Ion:152 Resp: 164162
Ion Ratio Lower Upper
152 100
115 59.6 29.9 89.7
150 156.4 0.0 351.4

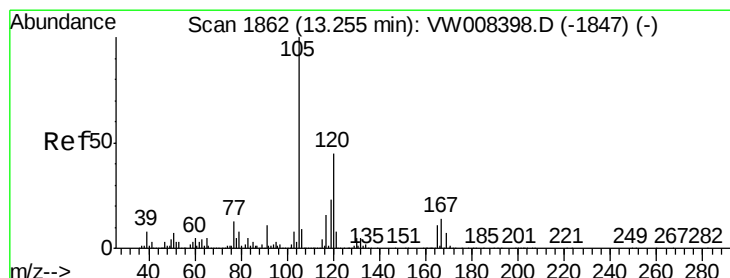
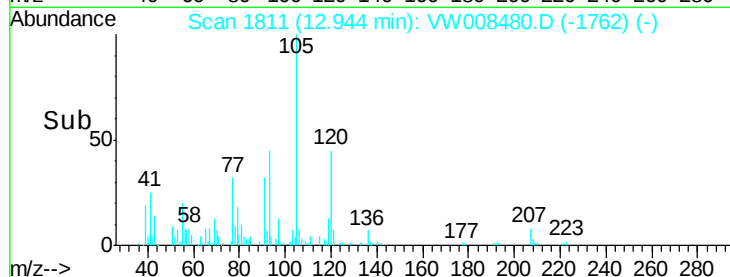
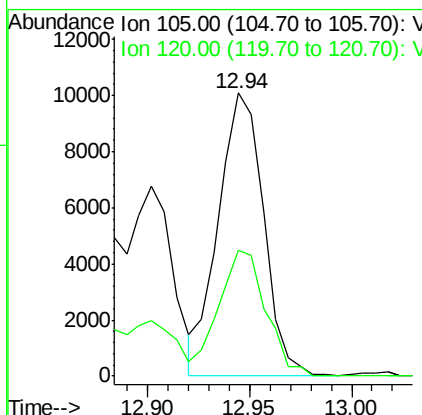
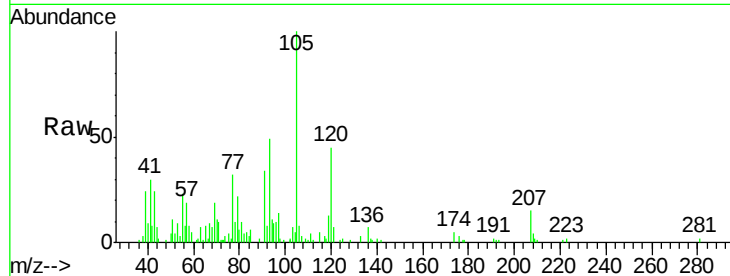




#80
 1,3,5-Trimethylbenzene
 Concen: 1.519 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008480.D
 Acq: 01 Feb 2019 14:38

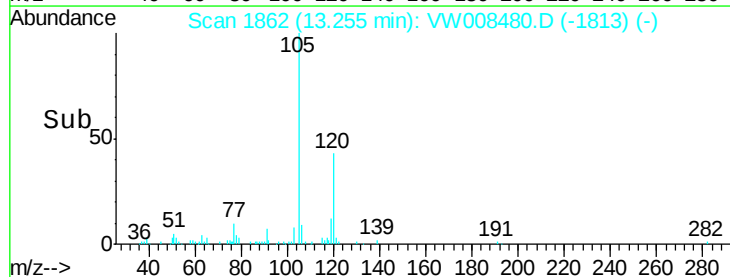
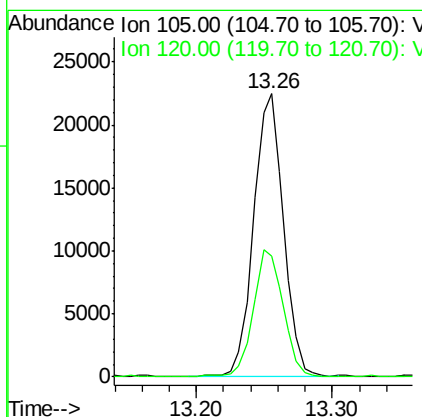
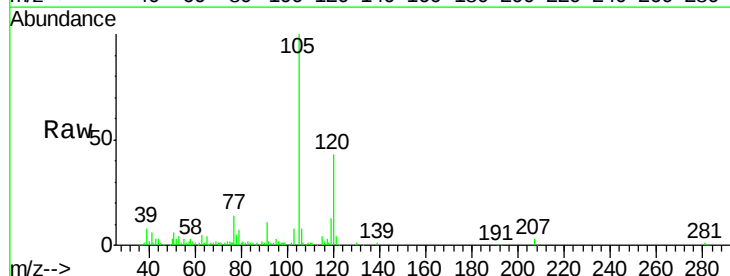
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-013119-BRE

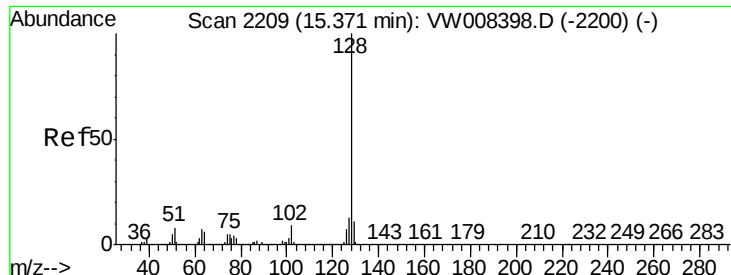
Tot Ion:105 Resp: 15541
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 3.344 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008480.D
 Acq: 01 Feb 2019 14:38

Tgt Ion:105 Resp: 34769
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.1 69.2





#95

Naphthalene

Concen: 39.972 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008480.D

Acq: 01 Feb 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

OR-02-013119-BRE

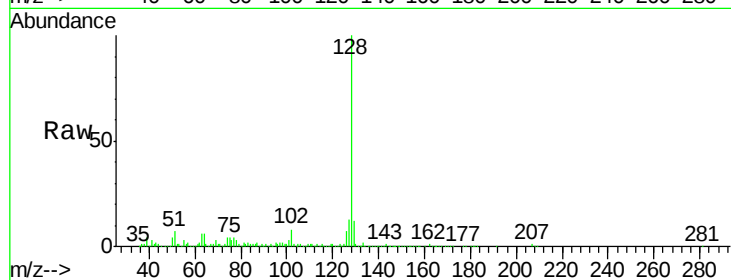
Tot Ion:128 Resp: 239215

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

129 11.5 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

