

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\
 Data File : VW008419.D
 Acq On : 25 Jan 2019 18:45
 Operator : SY/VA
 Sample : K1016-07
 Misc : 5.22G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-RO-3-012319

Quant Time: Jan 28 03:58:56 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	473863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	743387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	550482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192799	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	204588	43.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.90%	
35) Dibromofluoromethane	7.88	113	193007	44.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.80%	
50) Toluene-d8	10.32	98	579080	33.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.44%	
62) 4-Bromofluorobenzene	12.62	95	188789	28.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	56.36%	

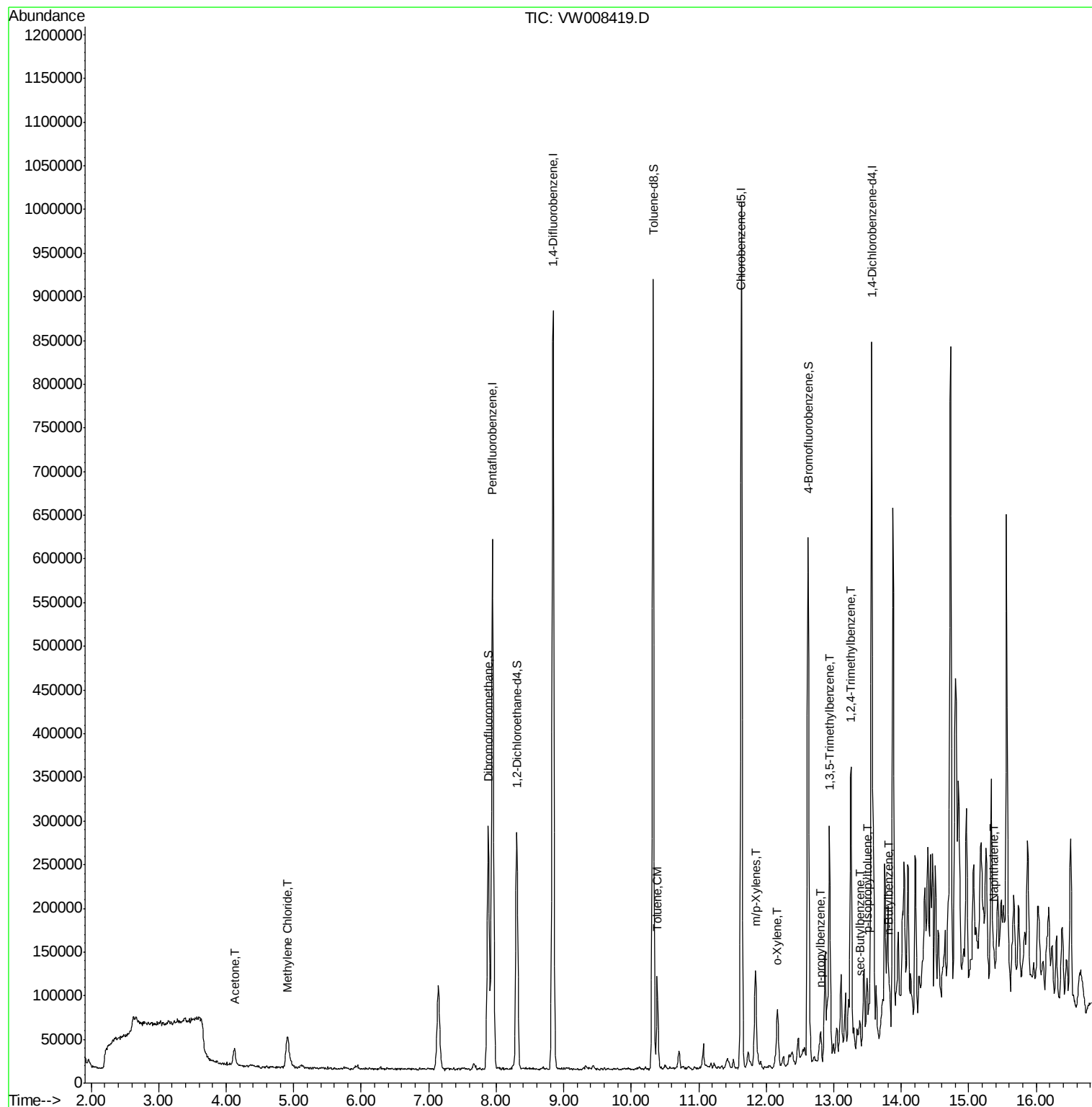
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	35509	33.967	ug/l	95
20) Methylene Chloride	4.90	84	30504	6.331	ug/l	88
52) Toluene	10.39	92	45645	3.549	ug/l	99
68) m/p-Xylenes	11.84	106	25176	3.141	ug/l	93
69) o-Xylene	12.17	106	16600	2.180	ug/l	96
78) n-propylbenzene	12.80	91	27741	1.607	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	46643	3.882	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	180183	14.756	ug/l	99
85) sec-Butylbenzene	13.38	105	18012	1.180	ug/l	82
86) p-Isopropyltoluene	13.50	119	15523	1.161	ug/l	95
89) n-Butylbenzene	13.82	91	28461	2.167	ug/l #	81
95) Naphthalene	15.37	128	20807	2.960	ug/l	96

(#) = 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: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

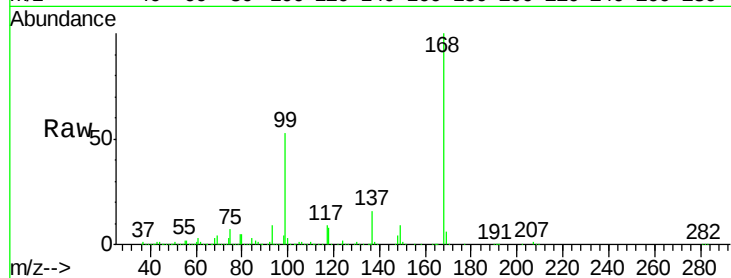
TR-05-RO-3-012319

Tot Ion:168 Resp: 473863

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

250000

200000

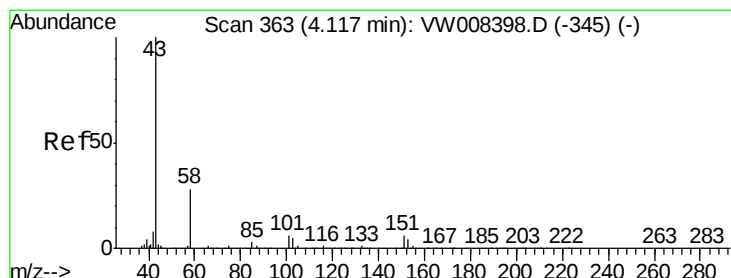
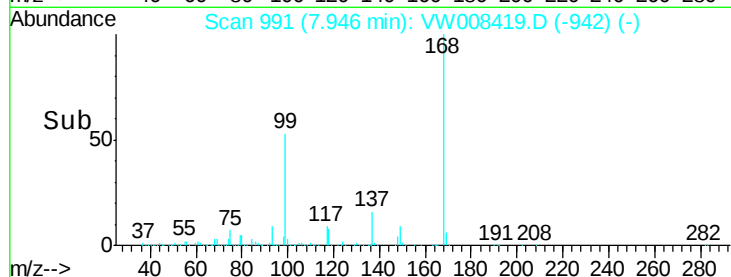
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 33.967 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008419.D

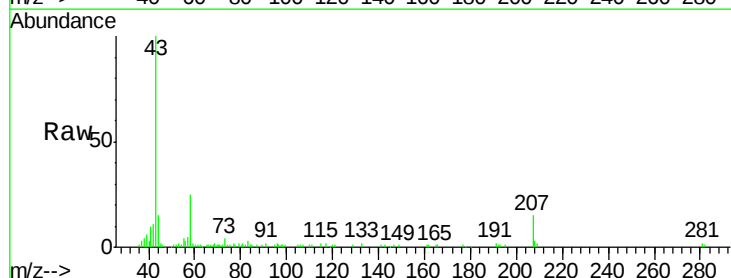
Acq: 25 Jan 2019 18:45

Tgt Ion: 43 Resp: 35509

Ion Ratio Lower Upper

43 100

58 25.8 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

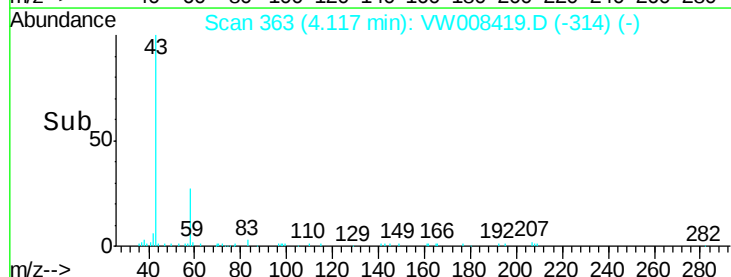
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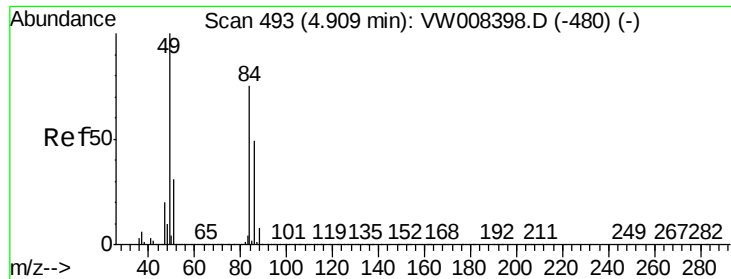
10000

5000

0

Time-->

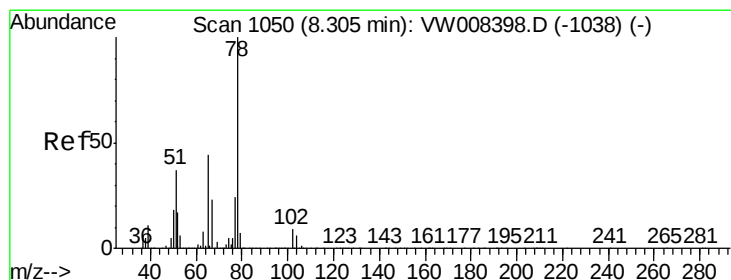
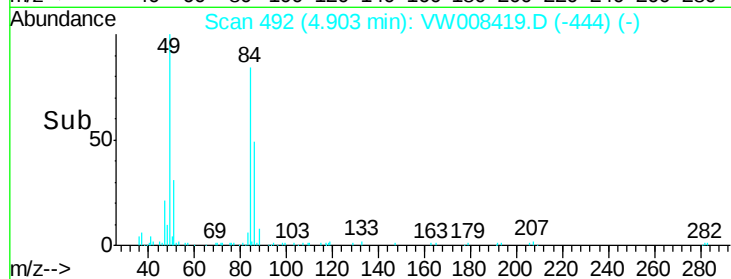
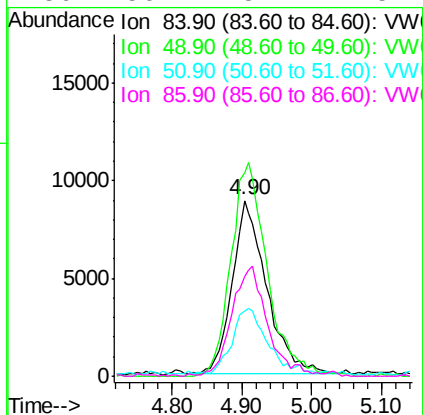
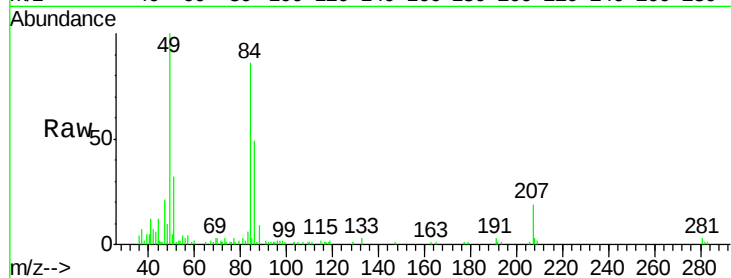




#20
Methvlene Chloride
Concen: 6.331 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008419.D
Acq: 25 Jan 2019 18:45

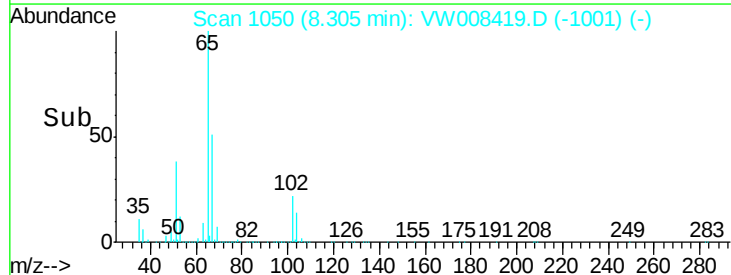
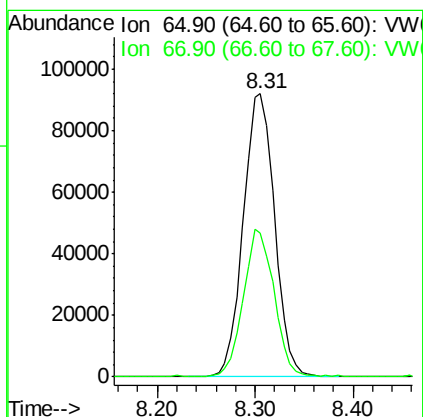
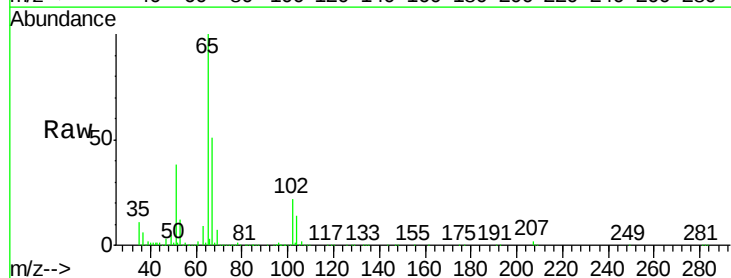
Instrument :
MSVOA_W
ClientSampleId :
TR-05-RO-3-012319

Tot Ion:	84	Resp:	30504
Ion	Ratio	Lower	Upper
84	100		
49	117.4	106.8	160.2
51	35.9	32.9	49.3
86	56.1	52.2	78.2



#33
1,2-Dichloroethane-d4
Concen: 43.948 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008419.D
Acq: 25 Jan 2019 18:45

Tgt Ion:	65	Resp:	204588
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.0

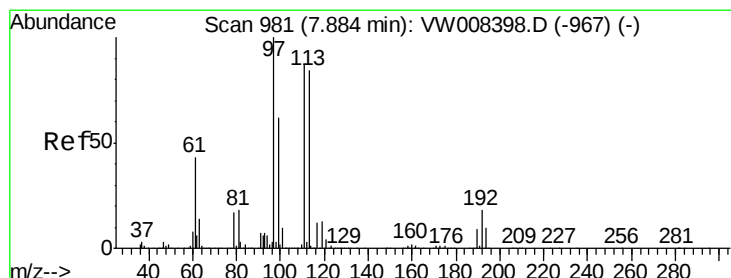
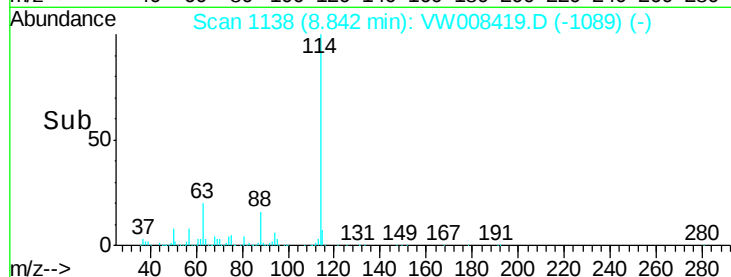
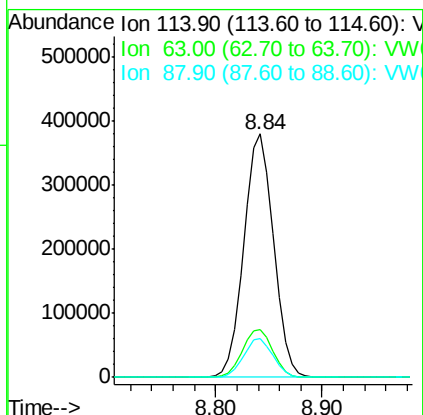
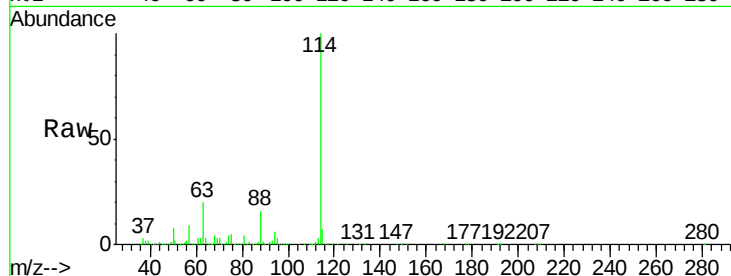




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008419.D
Acq: 25 Jan 2019 18:45

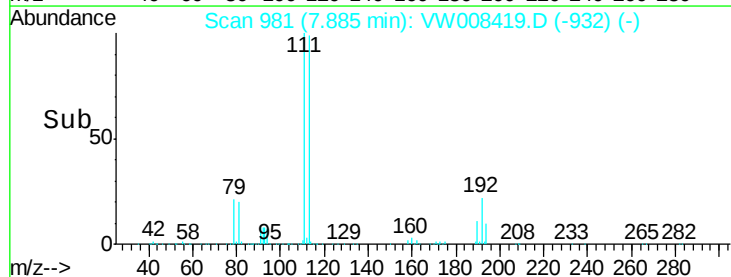
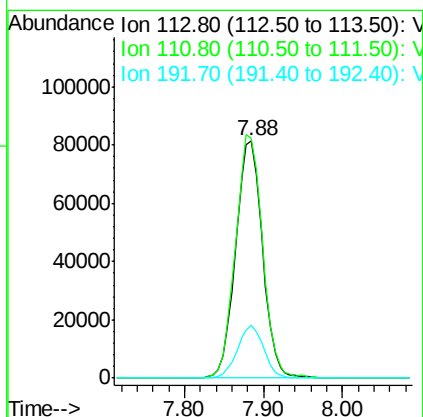
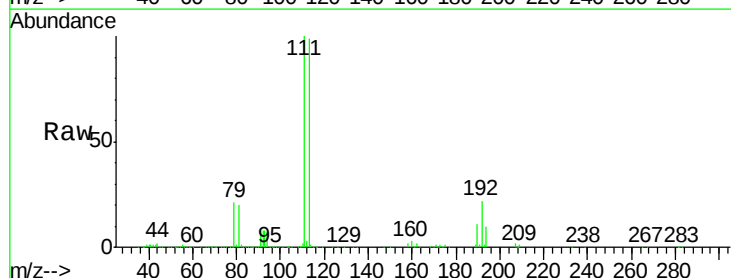
Instrument :
MSVOA_W
ClientSampleId :
TR-05-RO-3-012319

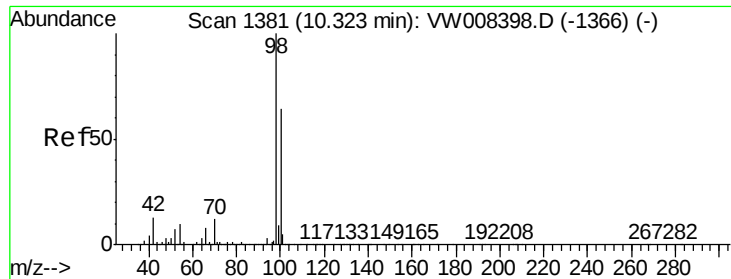
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.6
88	15.9	0.0	31.8



#35
Dibromofluoromethane
Concen: 44.402 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008419.D
Acq: 25 Jan 2019 18:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	21.5	16.8	25.2





#50

Toluene-d8

Concen: 33.221 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

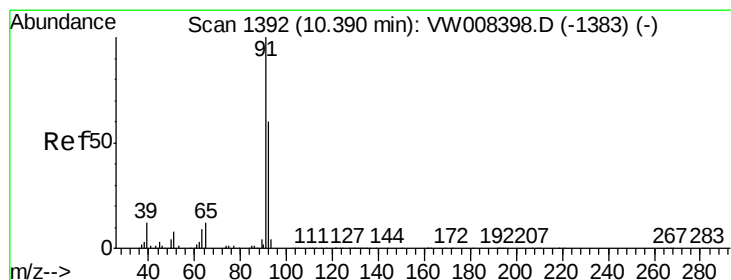
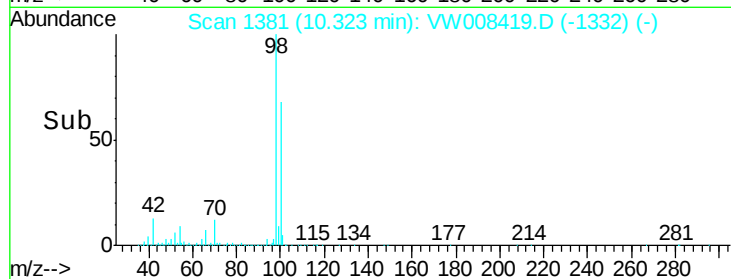
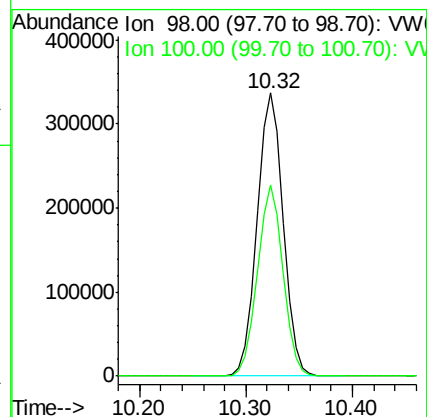
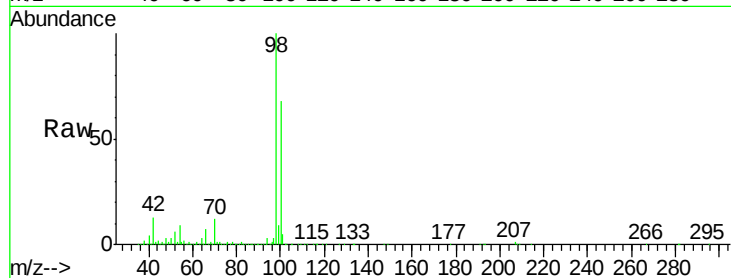
TR-05-RO-3-012319

Tot Ion: 98 Resp: 579080

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8



#52

Toluene

Concen: 3.549 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008419.D

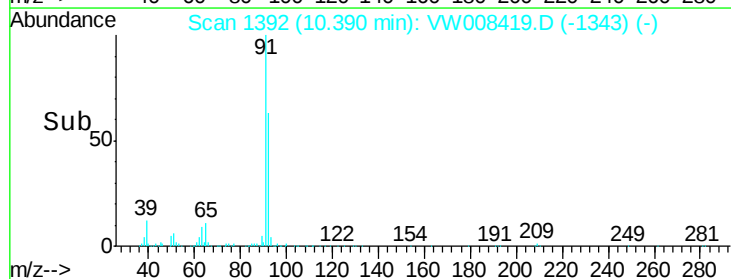
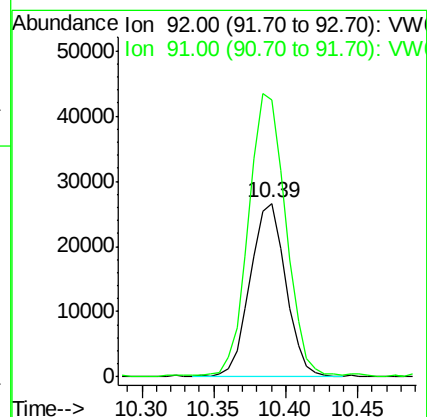
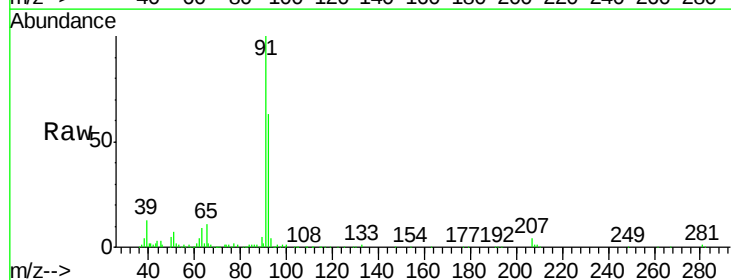
Acq: 25 Jan 2019 18:45

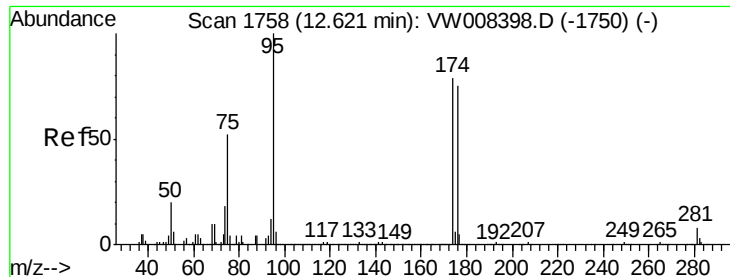
Tgt Ion: 92 Resp: 45645

Ion Ratio Lower Upper

92 100

91 168.1 135.5 203.3





#62

4-Bromofluorobenzene

Concen: 28.177 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

TR-05-RO-3-012319

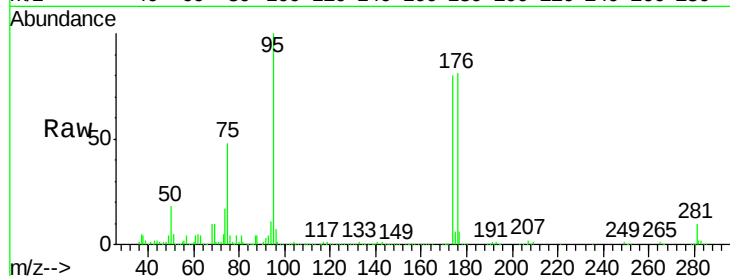
Tot Ion: 95 Resp: 188789

Ion Ratio Lower Upper

95 100

174 83.2 0.0 157.6

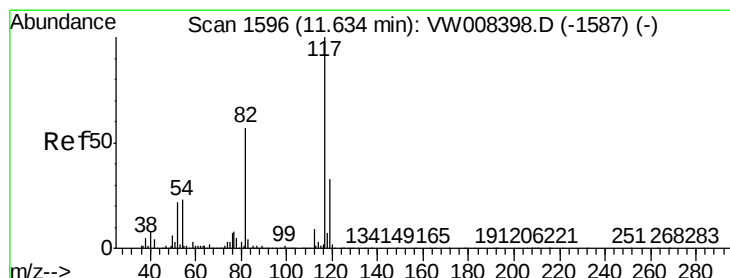
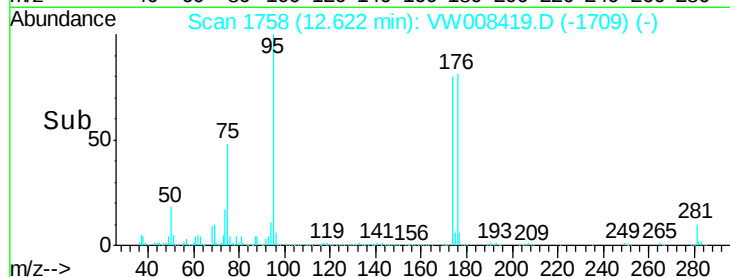
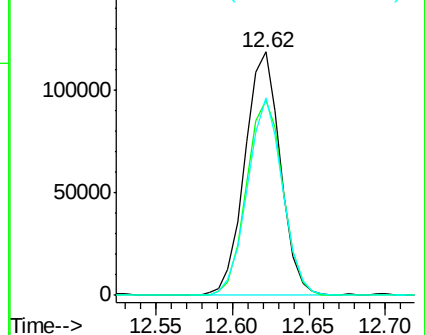
176 81.0 0.0 151.8



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: VW008419.D

Acq: 25 Jan 2019 18:45

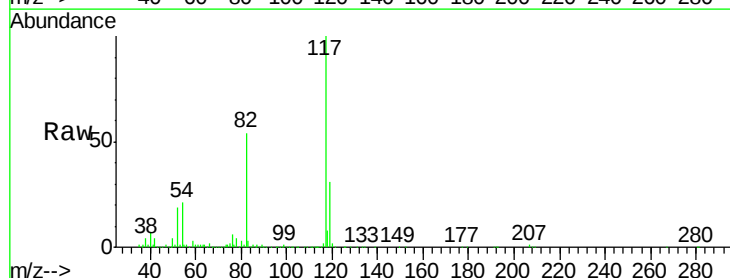
Tgt Ion: 117 Resp: 550482

Ion Ratio Lower Upper

117 100

82 53.5 45.4 68.0

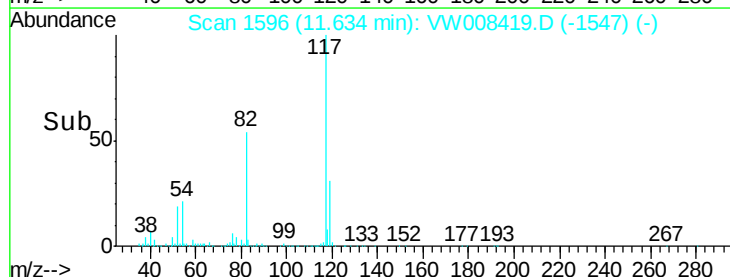
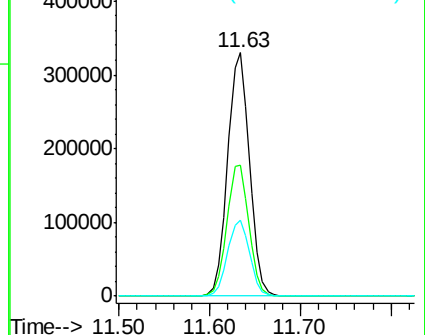
119 31.2 26.2 39.4

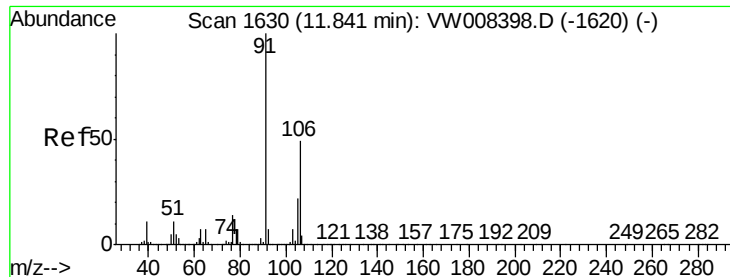


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#68

m/p-Xylenes

Concen: 3.141 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

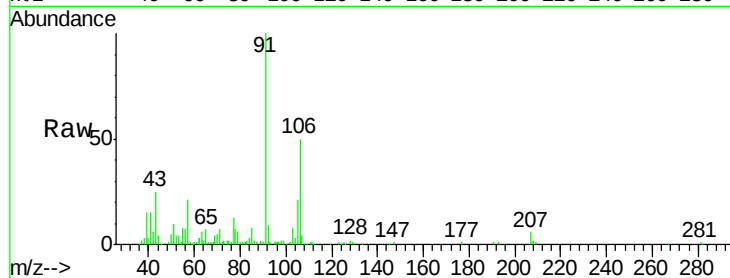
TR-05-RO-3-012319

Tot Ion:106 Resp: 25176

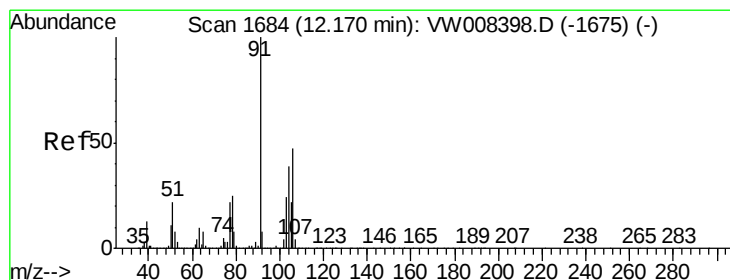
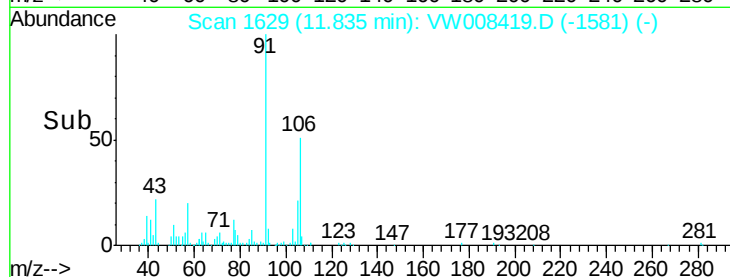
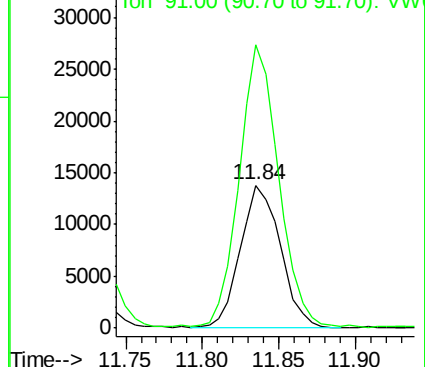
Ion Ratio Lower Upper

106 100

91 192.9 162.9 244.3



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 2.180 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW008419.D

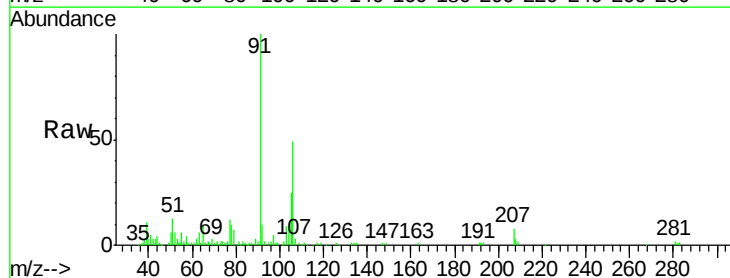
Acq: 25 Jan 2019 18:45

Tgt Ion:106 Resp: 16600

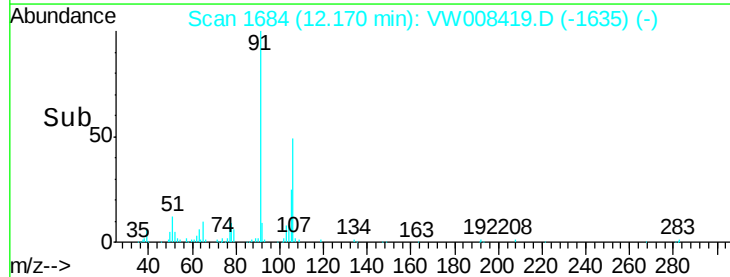
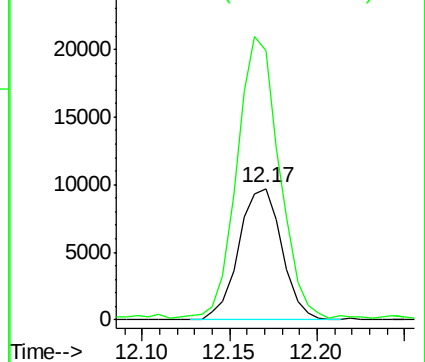
Ion Ratio Lower Upper

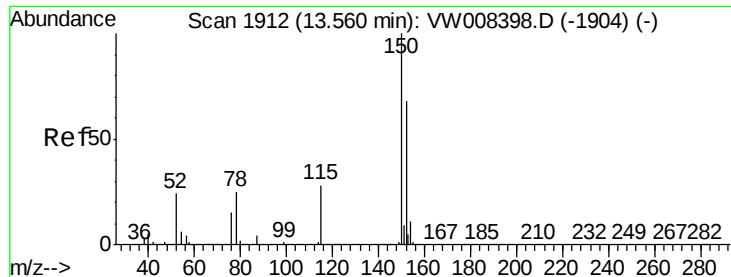
106 100

91 208.4 107.5 322.4



Abundance Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

TR-05-RO-3-012319

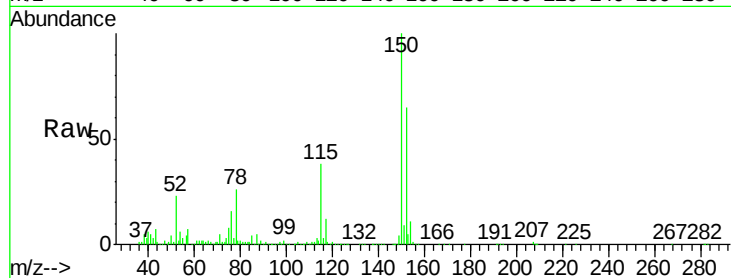
Tot Ion:152 Resp: 192799

Ion Ratio Lower Upper

152 100

115 59.3 29.9 89.7

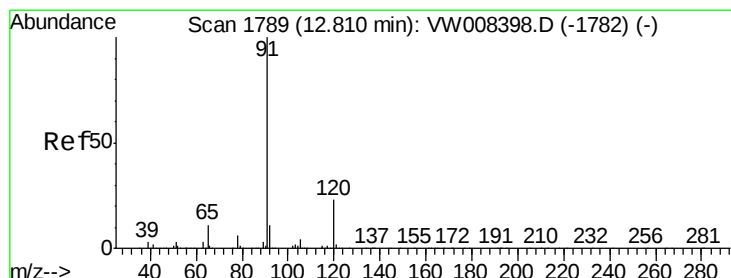
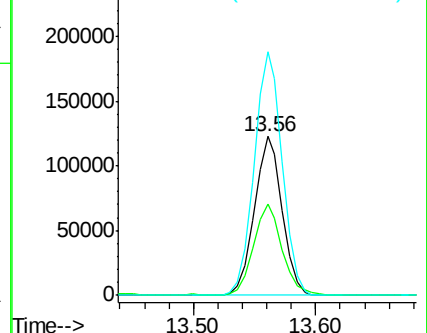
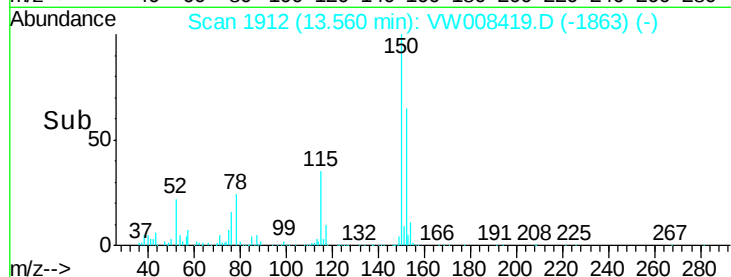
150 155.1 0.0 351.4



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: 1.607 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008419.D

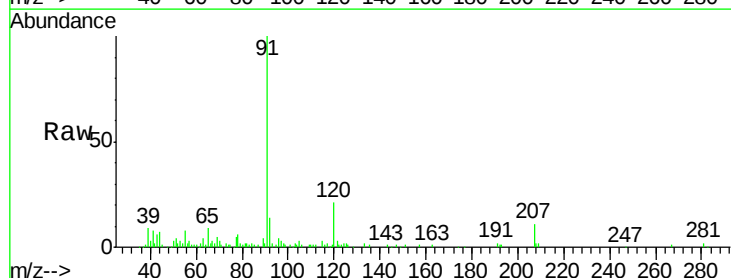
Acq: 25 Jan 2019 18:45

Tgt Ion: 91 Resp: 27741

Ion Ratio Lower Upper

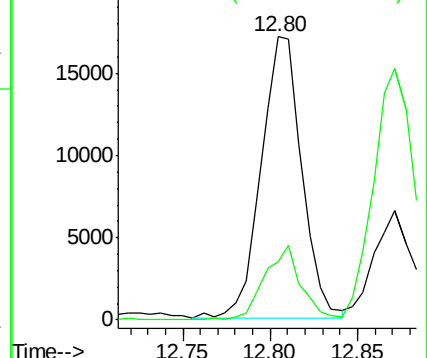
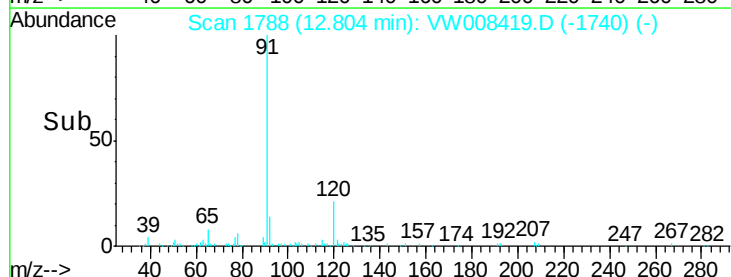
91 100

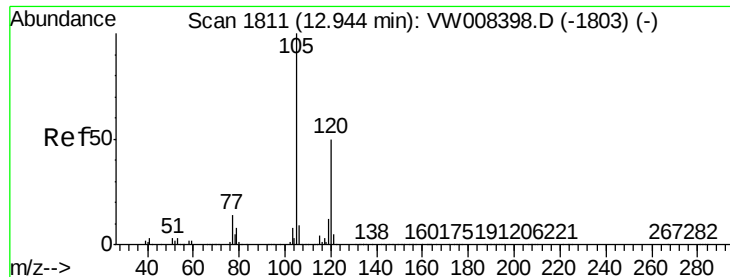
120 24.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

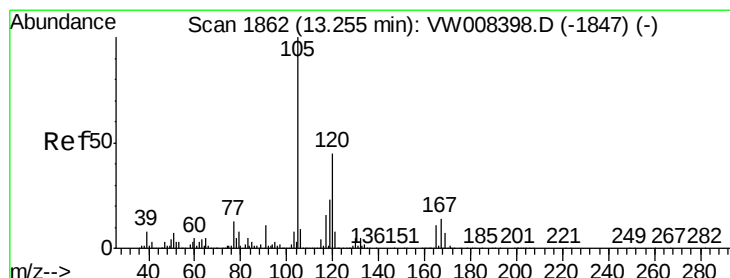
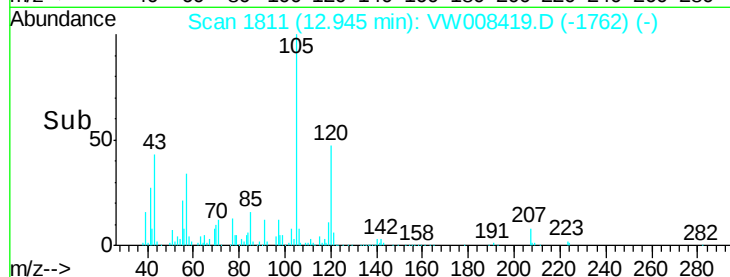
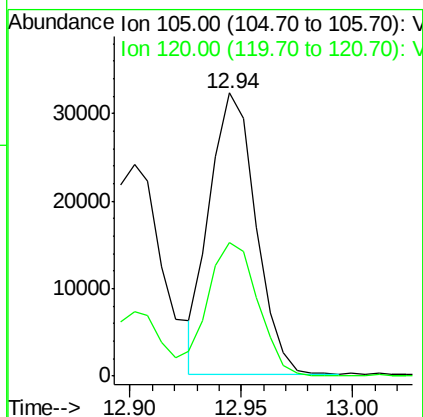
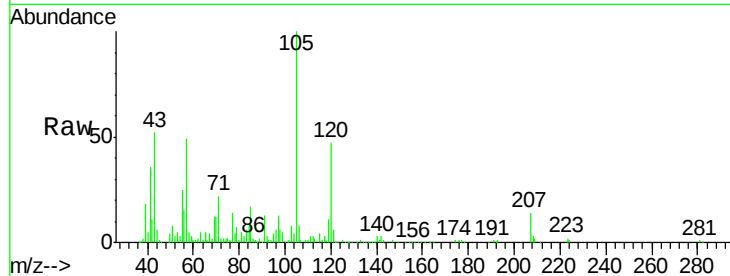




#80
 1,3,5-Trimethylbenzene
 Concen: 3.882 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008419.D
 Acq: 25 Jan 2019 18:45

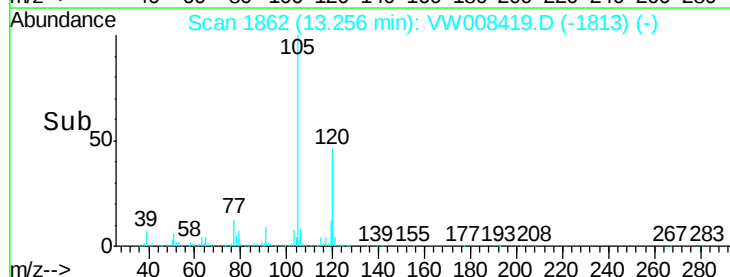
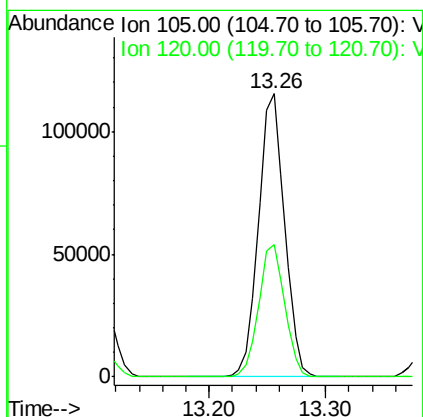
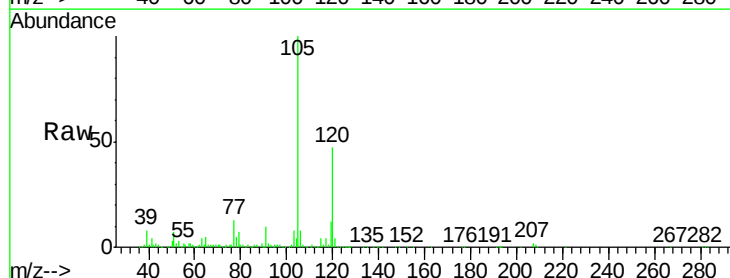
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-RO-3-012319

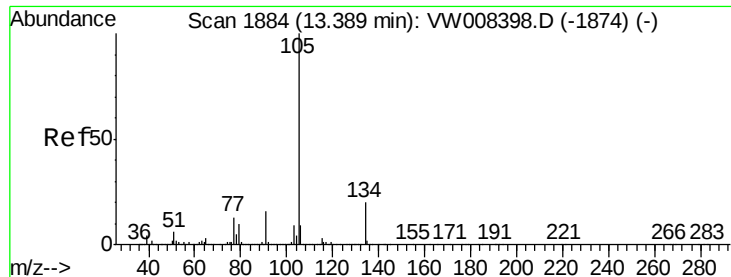
Tot Ion:105 Resp: 46643
 Ion Ratio Lower Upper
 105 100
 120 51.5 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 14.756 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008419.D
 Acq: 25 Jan 2019 18:45

Tgt Ion:105 Resp: 180183
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.180 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

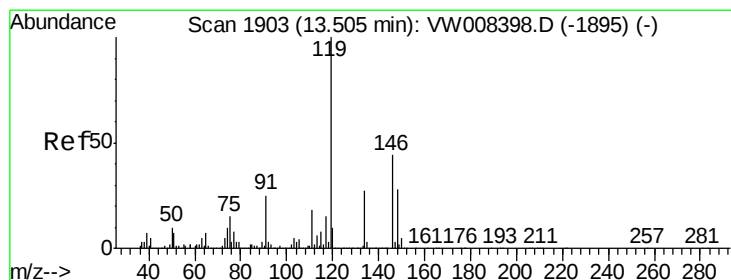
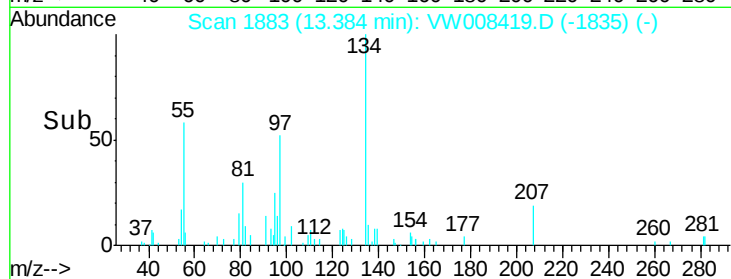
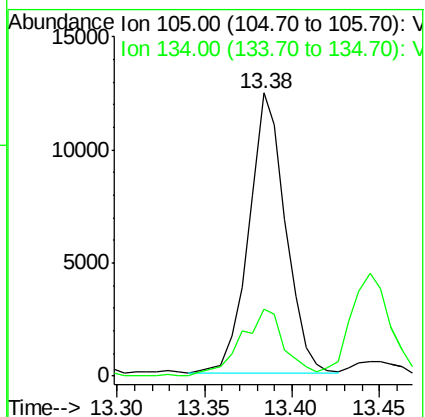
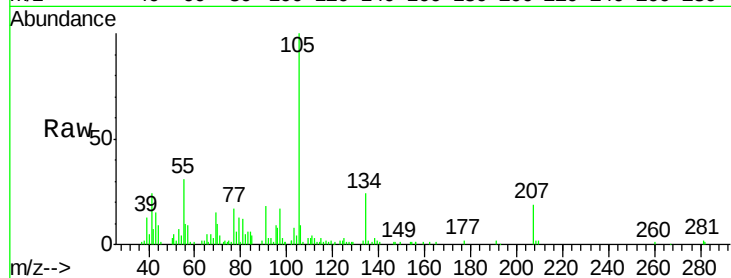
TR-05-RO-3-012319

Tot Ion:105 Resp: 18012

Ion Ratio Lower Upper

105 100

134 28.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 1.161 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

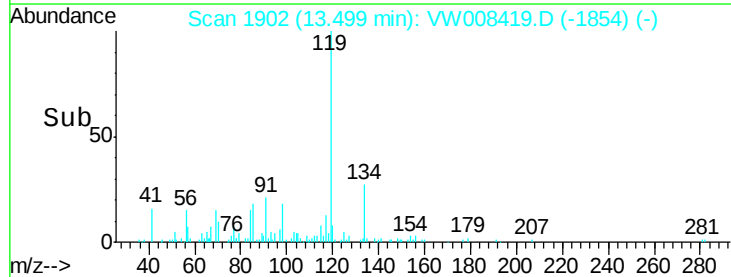
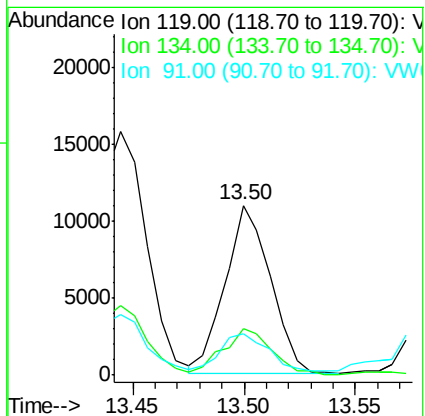
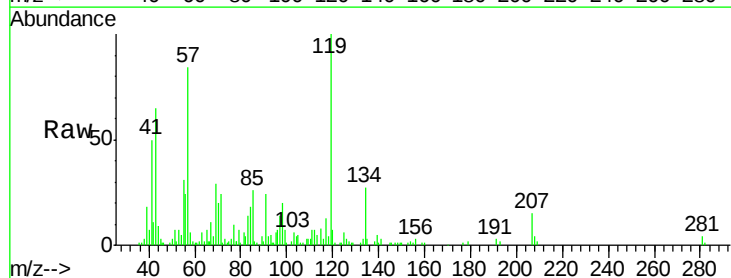
Tgt Ion:119 Resp: 15523

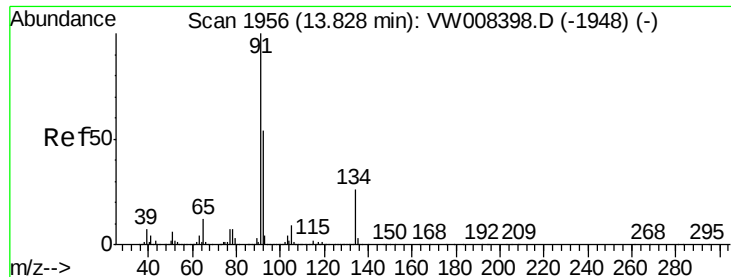
Ion Ratio Lower Upper

119 100

134 29.9 13.4 40.2

91 23.0 12.6 37.6





#89

n-Butylbenzene

Concen: 2.167 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

TR-05-RO-3-012319

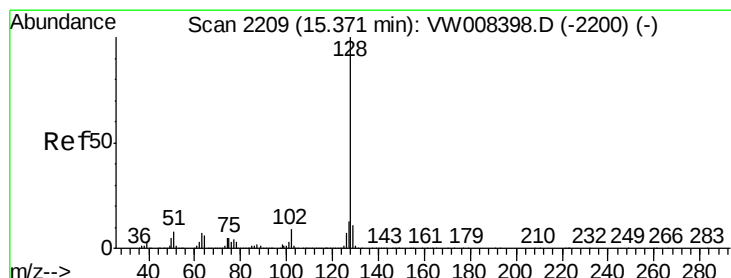
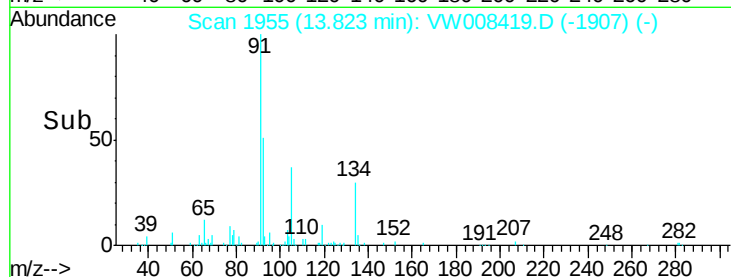
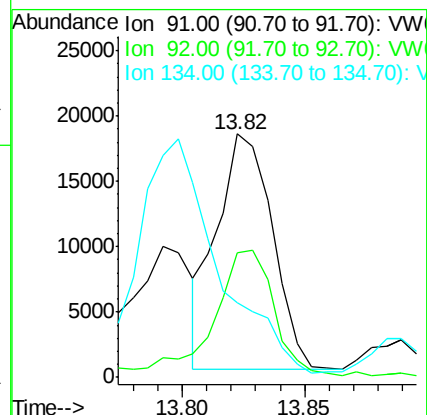
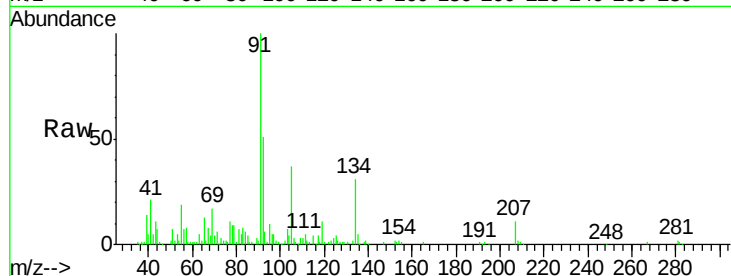
Tot Ion: 91 Resp: 28461

Ion Ratio Lower Upper

91 100

92 57.3 27.4 82.2

134 0.0 13.0 39.0#



#95

Naphthalene

Concen: 2.960 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008419.D

Acq: 25 Jan 2019 18:45

Tgt Ion: 128 Resp: 20807

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 9.2 8.7 13.1

