

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061459.D
 Acq On : 18 Jan 2019 15:06
 Operator : VA/AP
 Sample : K1011-05
 Misc : 7.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-011719-A

Quant Time: Jan 19 04:28:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	200373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	360975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	255113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	131016	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
35) Dibromofluoromethane	4.11	113	139345	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	7.55	98	313066	40.12	ug/l	0.00
Spiked Amount			Recovery	=	80.24%	
62) 4-Bromofluorobenzene	11.41	95	107344	29.44	ug/l	0.00
Spiked Amount			Recovery	=	58.88%	

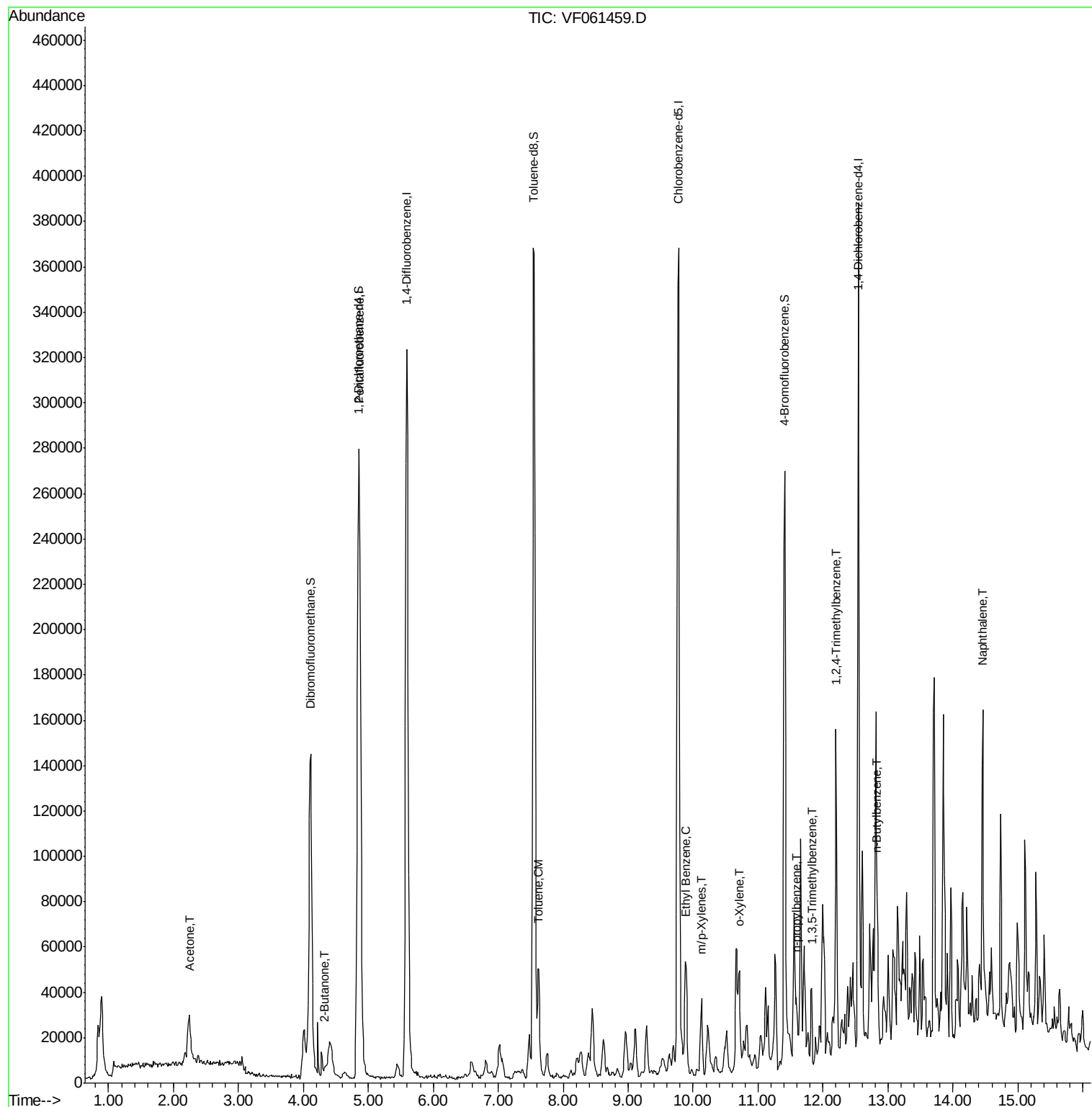
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.24	43	36456	73.458	ug/l	94
25) 2-Butanone	4.33	43	9137	11.071	ug/l	92
52) Toluene	7.62	92	24531	4.000	ug/l	99
67) Ethyl Benzene	9.89	91	11142	1.176	ug/l	96
68) m/p-Xylenes	10.13	106	12128	3.558	ug/l	89
69) o-Xylene	10.71	106	9426	2.551	ug/l	95
78) n-propylbenzene	11.59	91	13096	1.535	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	13661	2.326	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	50983	8.427	ug/l	91
89) n-Butylbenzene	12.84	91	12882	1.843	ug/l	79
95) Naphthalene	14.45	128	39026	10.198	ug/l	97

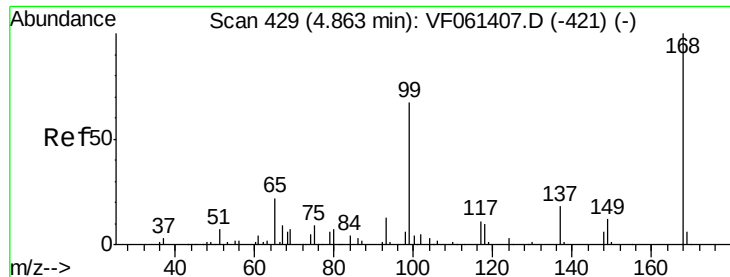
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
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Quant Time: Jan 19 04:28:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

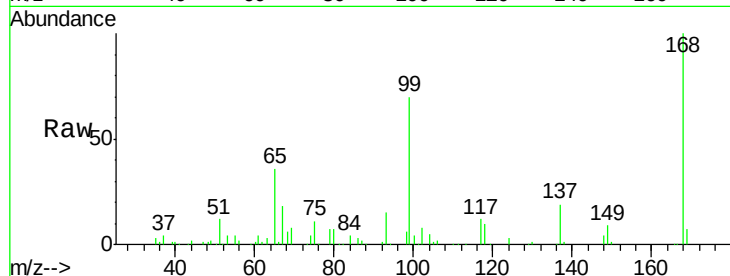
OR-03-011719-A

Tot Ion:168 Resp: 200373

Ion Ratio Lower Upper

168 100

99 70.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

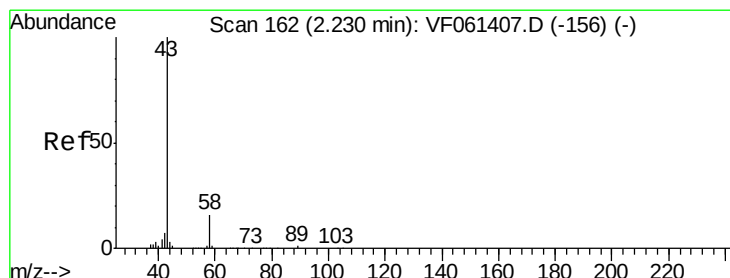
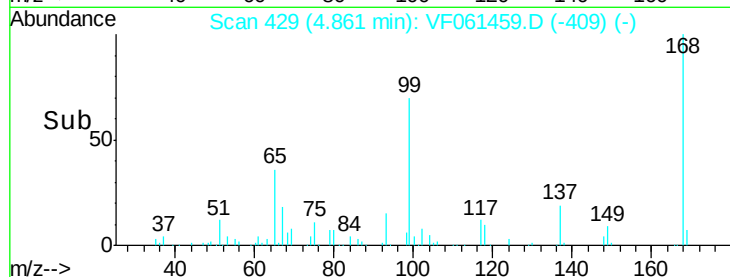
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 73.458 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061459.D

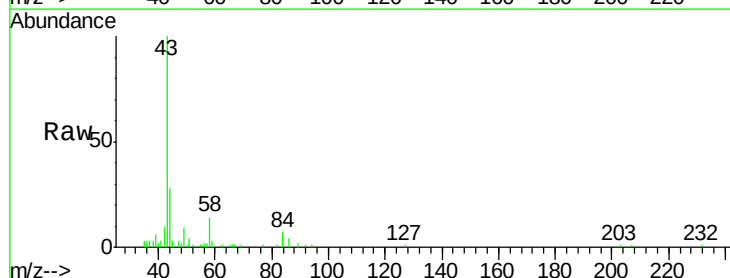
Acq: 18 Jan 2019 15:06

Tgt Ion: 43 Resp: 36456

Ion Ratio Lower Upper

43 100

58 14.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

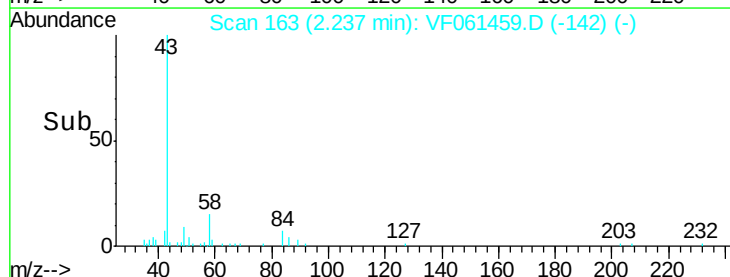
15000

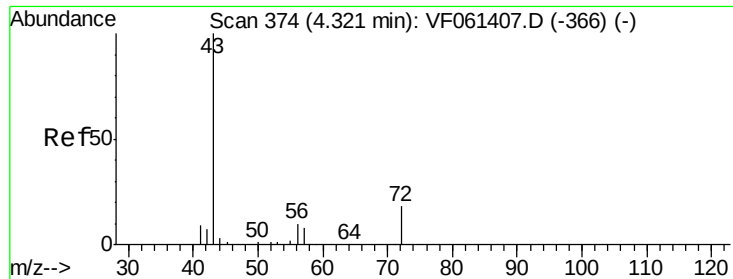
10000

5000

0

Time--> 2.10 2.20 2.30 2.40

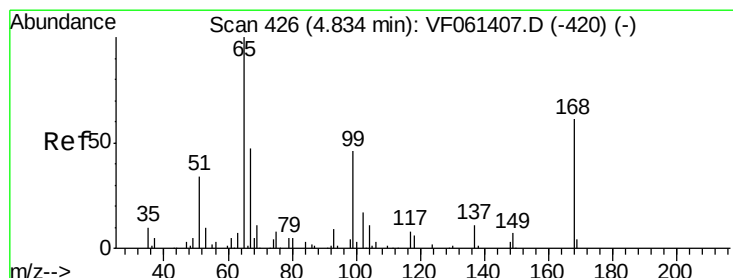
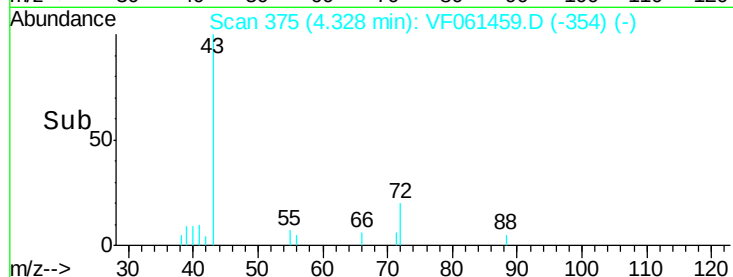
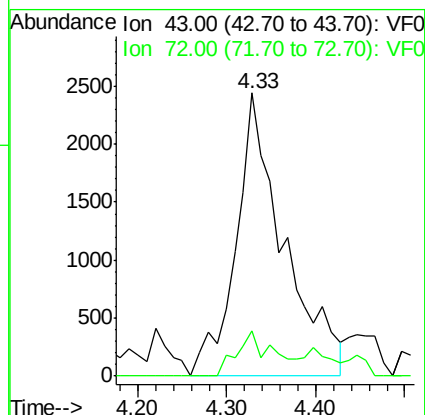
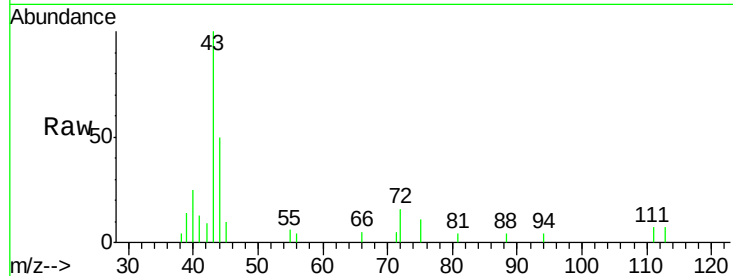




#25
2-Butanone
Concen: 11.071 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

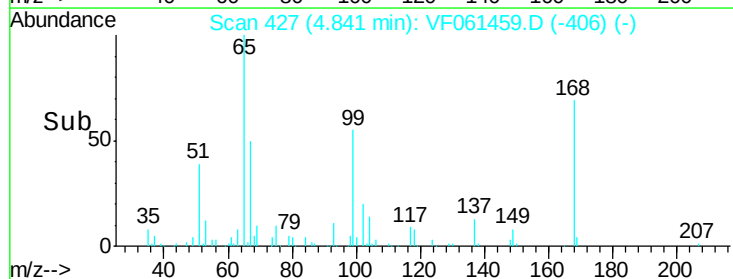
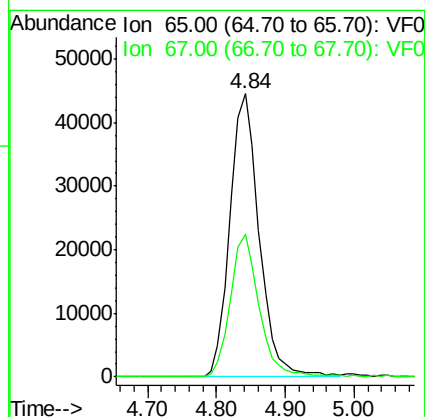
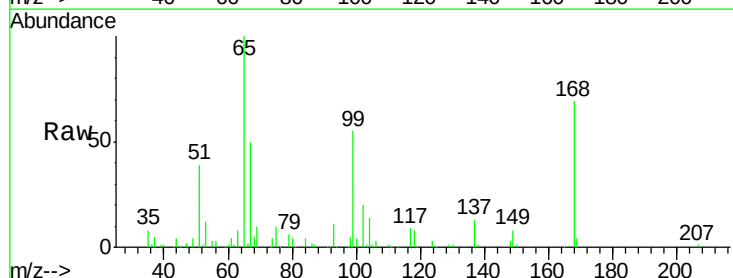
Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

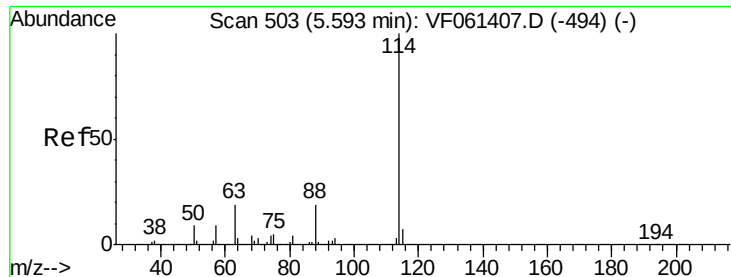
Tot Ion: 43 Resp: 9137
Ion Ratio Lower Upper
43 100
72 16.0 15.8 23.6



#33
1,2-Dichloroethane-d4
Concen: 52.960 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 65 Resp: 131016
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

OR-03-011719-A

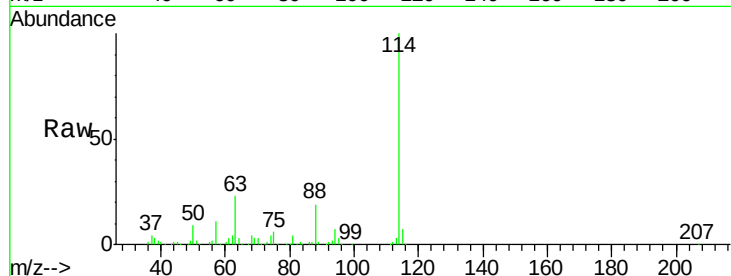
Tot Ion:114 Resp: 360975

Ion Ratio Lower Upper

114 100

63 22.9 0.0 39.0

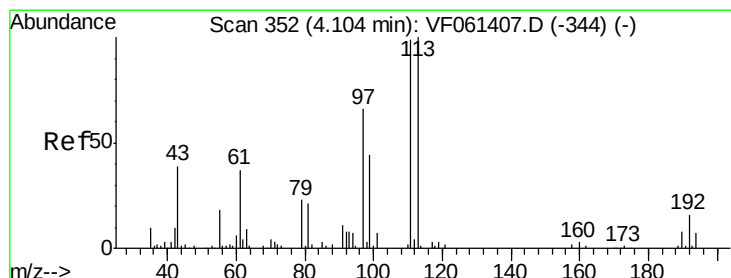
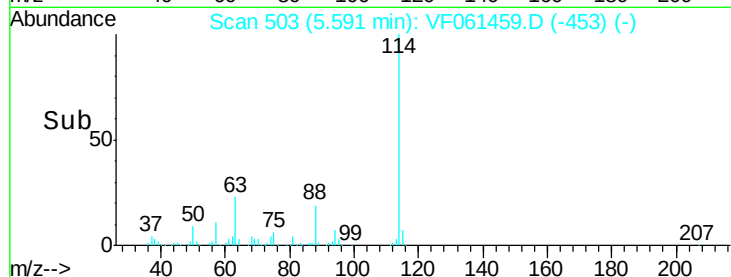
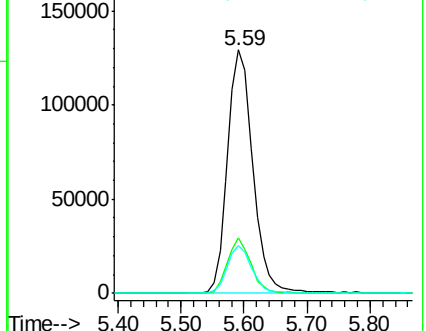
88 19.5 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 48.920 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

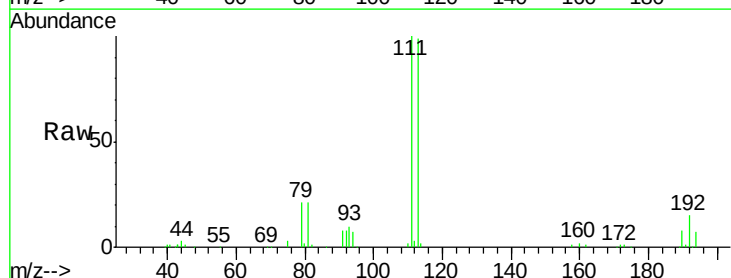
Tgt Ion:113 Resp: 139345

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.0

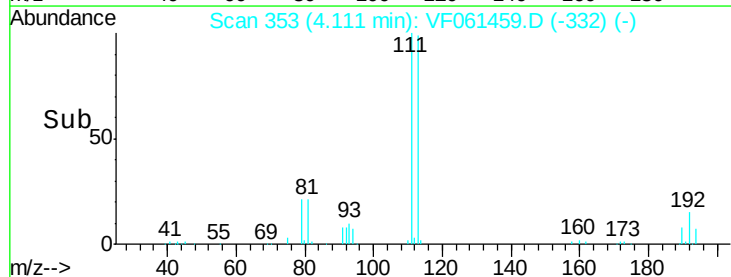
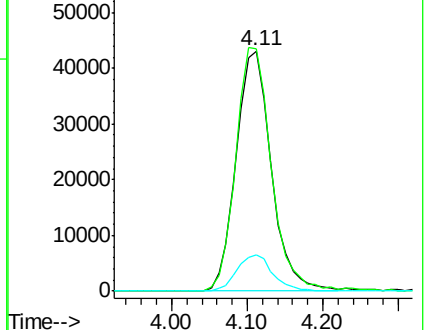
192 15.6 12.4 18.6

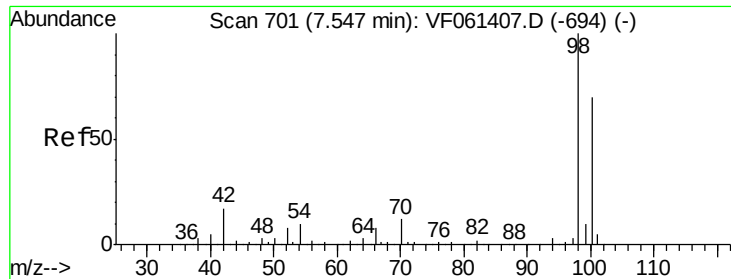


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 40.116 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

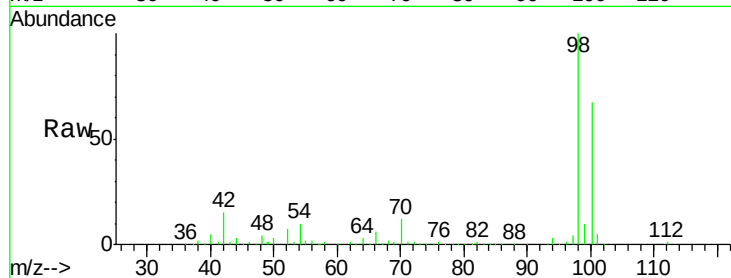
OR-03-011719-A

Tot Ion: 98 Resp: 313066

Ion Ratio Lower Upper

98 100

100 66.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

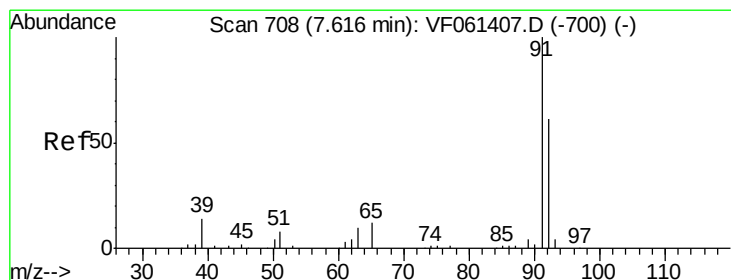
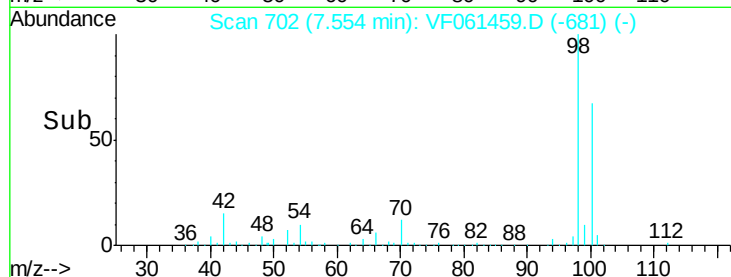
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 4.000 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061459.D

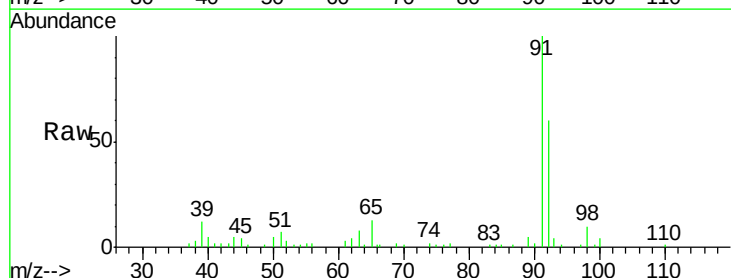
Acq: 18 Jan 2019 15:06

Tgt Ion: 92 Resp: 24531

Ion Ratio Lower Upper

92 100

91 166.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

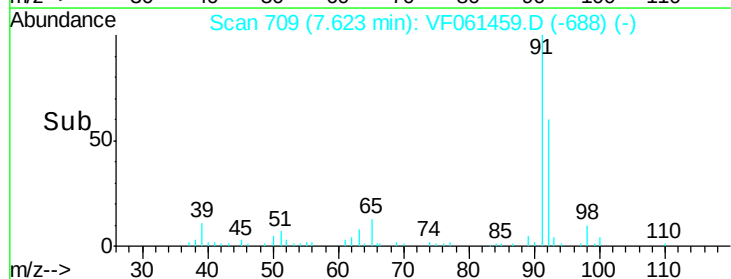
15000

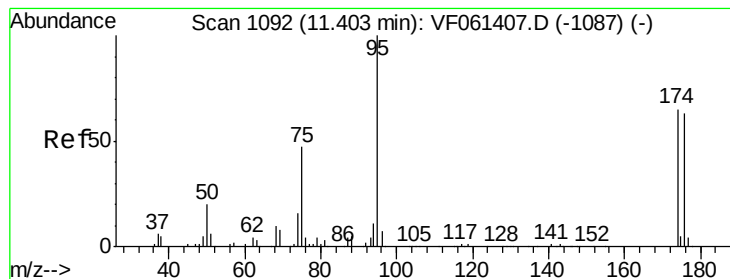
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 29.439 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

OR-03-011719-A

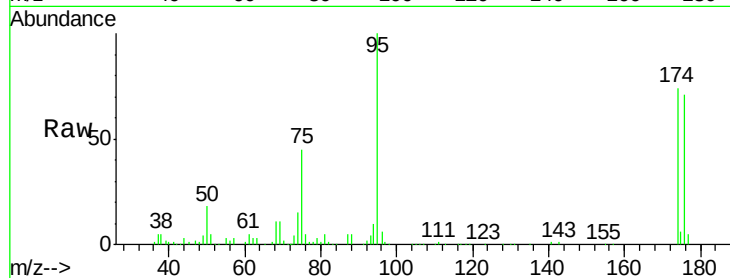
Tot Ion: 95 Resp: 107344

Ion Ratio Lower Upper

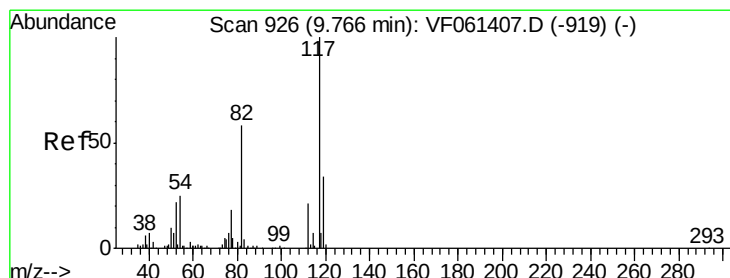
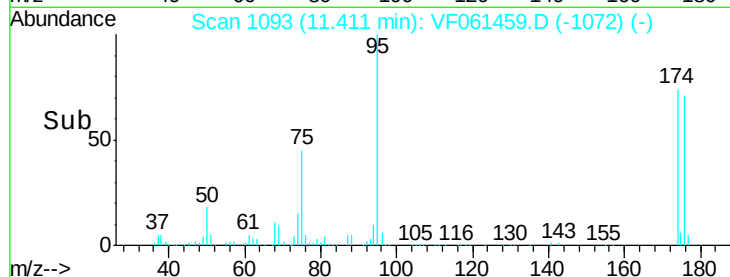
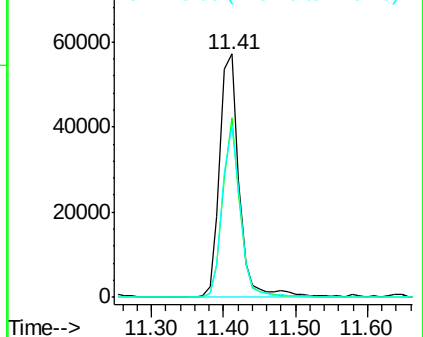
95 100

174 73.5 0.0 130.4

176 70.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

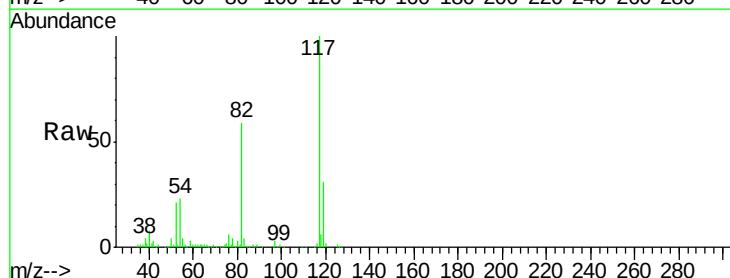
Tgt Ion: 117 Resp: 255113

Ion Ratio Lower Upper

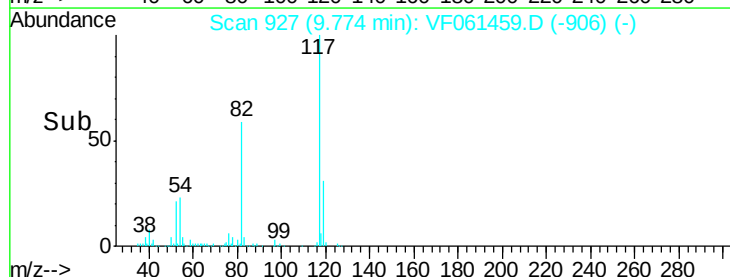
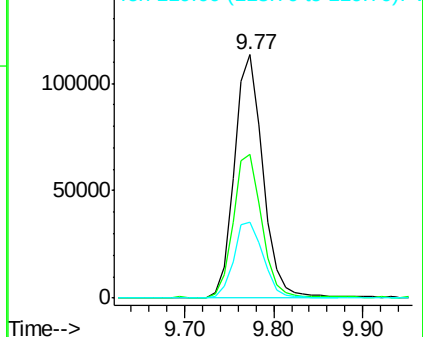
117 100

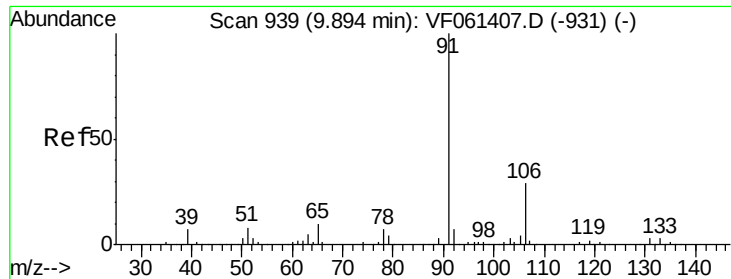
82 59.2 46.4 69.6

119 31.4 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

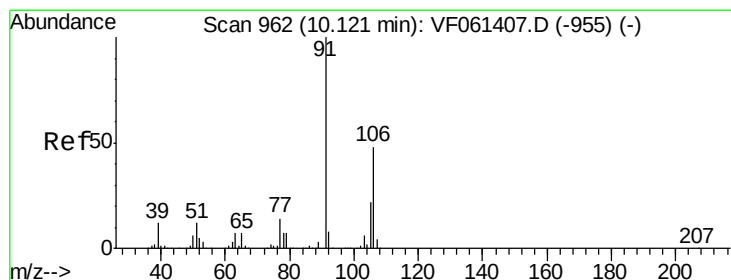
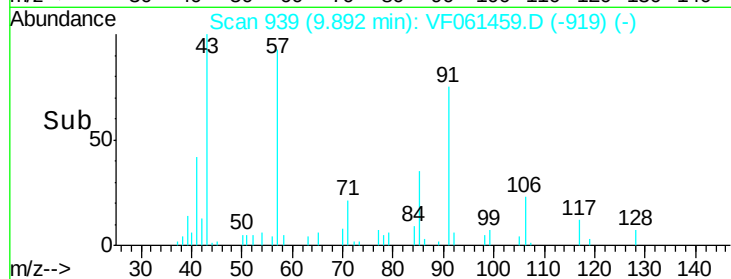
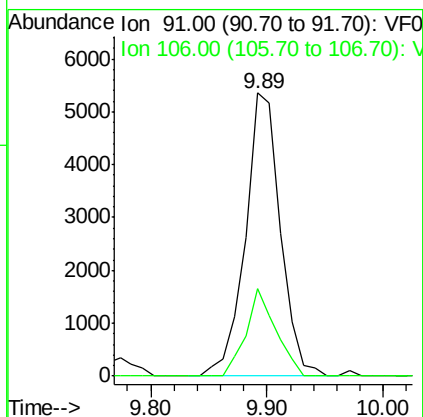
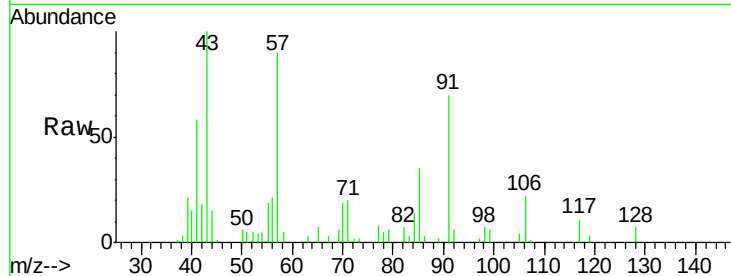




#67
Ethyl Benzene
Concen: 1.176 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

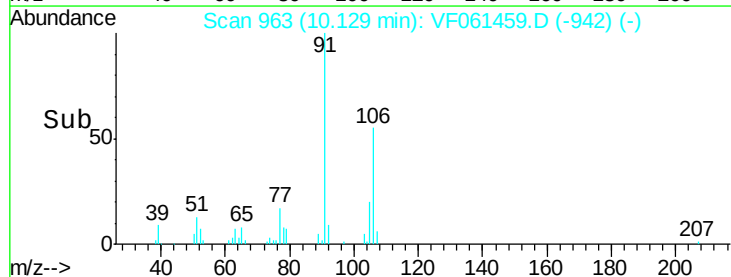
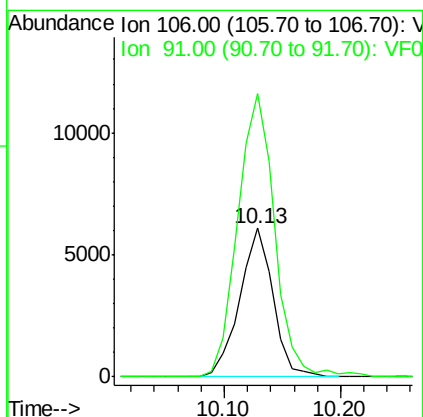
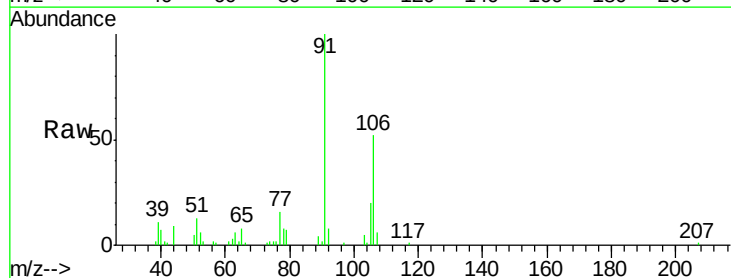
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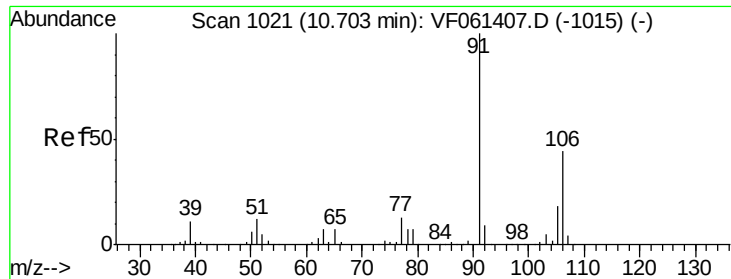
Tot Ion: 91 Resp: 11142
Ion Ratio Lower Upper
91 100
106 30.9 23.1 34.7



#68
m/p-Xylenes
Concen: 3.558 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion: 106 Resp: 12128
Ion Ratio Lower Upper
106 100
91 190.6 166.2 249.4

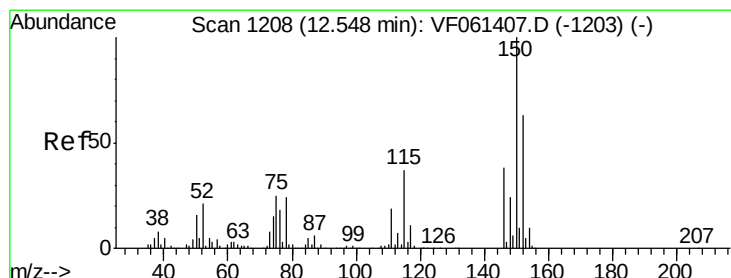
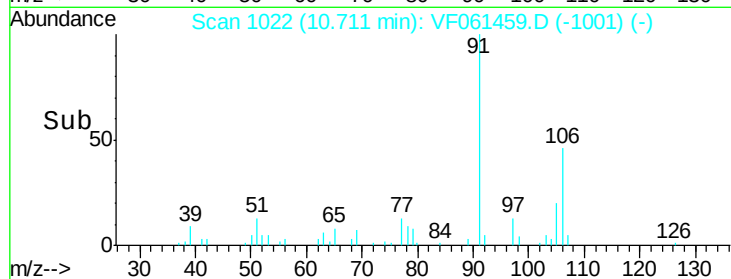
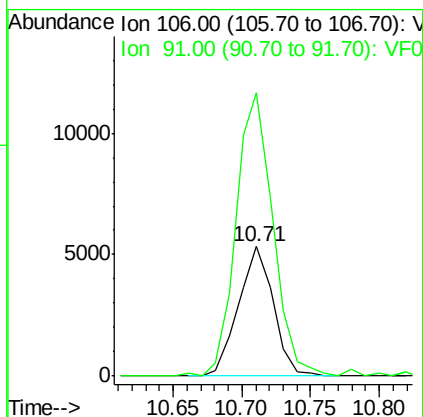
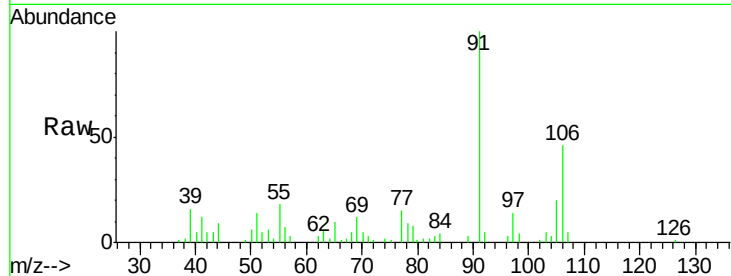




#69
o-Xylene
Concen: 2.551 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

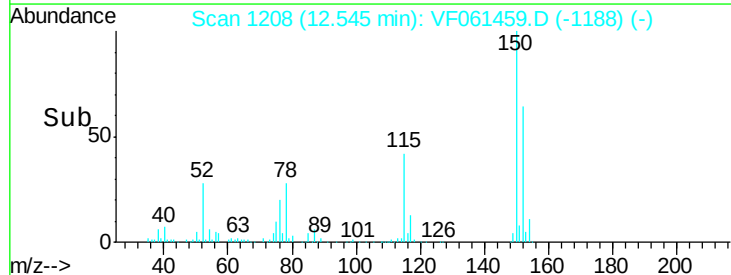
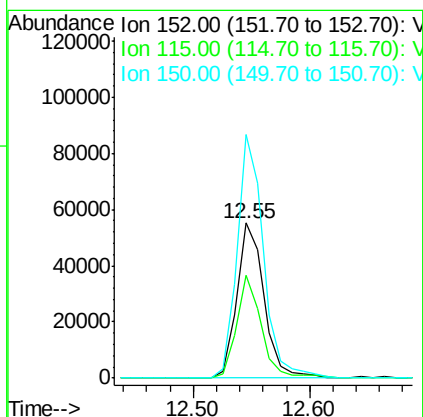
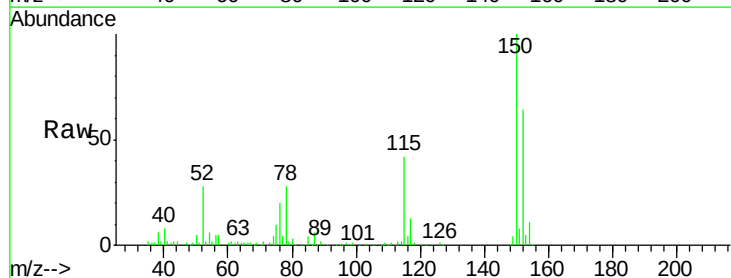
Instrument :
MSVOA_F
ClientSampleId :
OR-03-011719-A

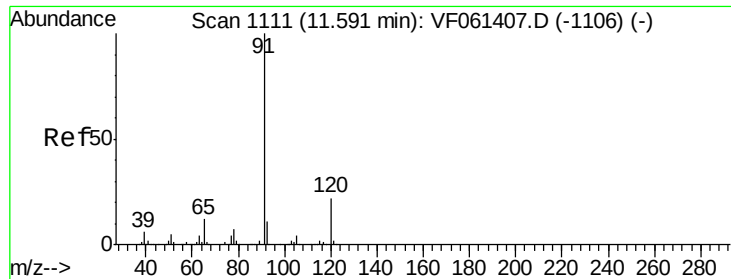
Tot Ion:106 Resp: 9426
Ion Ratio Lower Upper
106 100
91 219.1 113.3 339.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061459.D
Acq: 18 Jan 2019 15:06

Tgt Ion:152 Resp: 89483
Ion Ratio Lower Upper
152 100
115 66.2 30.0 90.0
150 157.4 0.0 321.4





#78

n-propylbenzene

Concen: 1.535 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

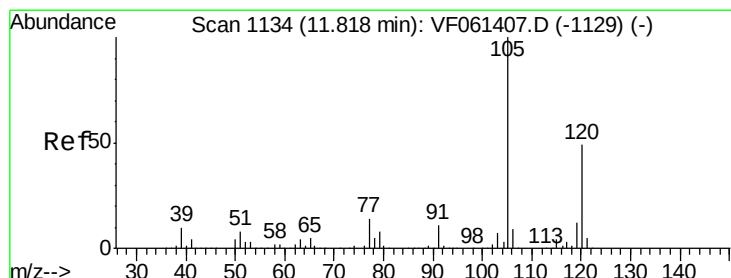
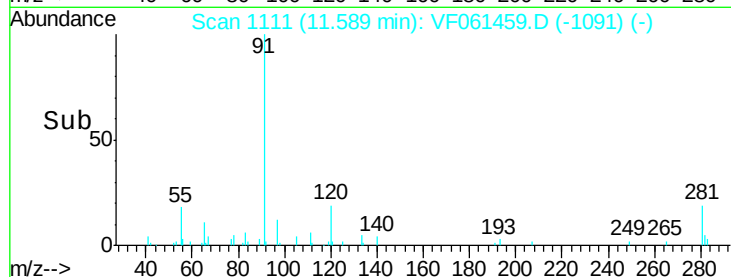
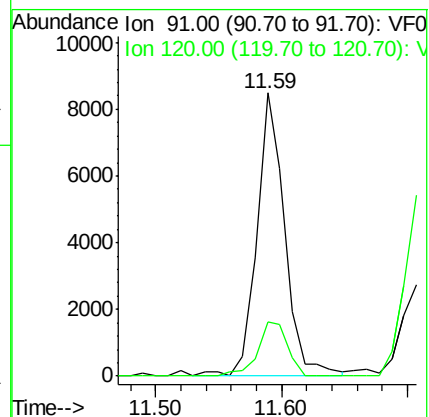
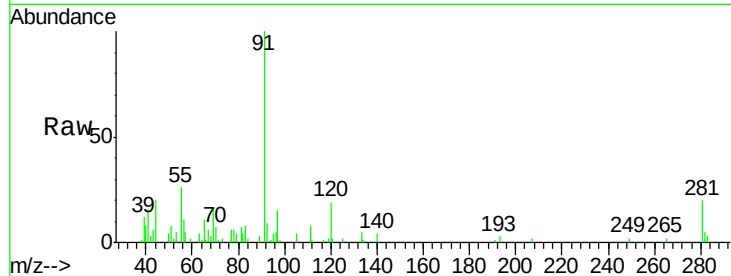
OR-03-011719-A

Tot Ion: 91 Resp: 13096

Ion Ratio Lower Upper

91 100

120 19.2 10.9 32.6



#80

1,3,5-Trimethylbenzene

Concen: 2.326 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061459.D

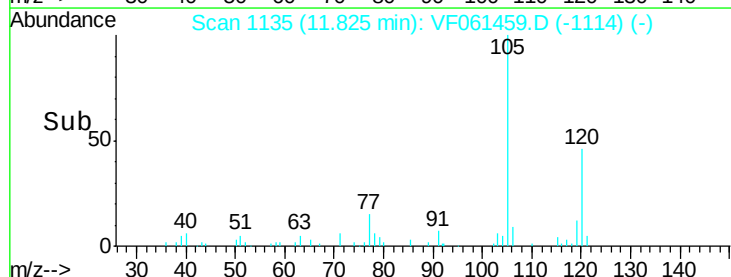
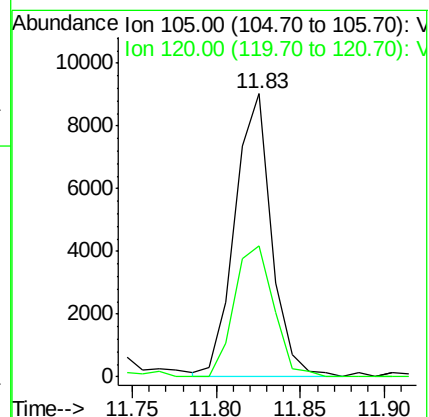
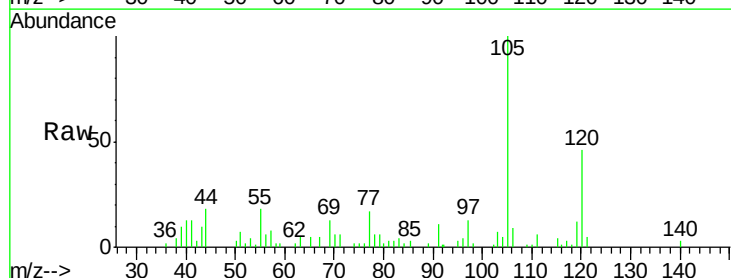
Acq: 18 Jan 2019 15:06

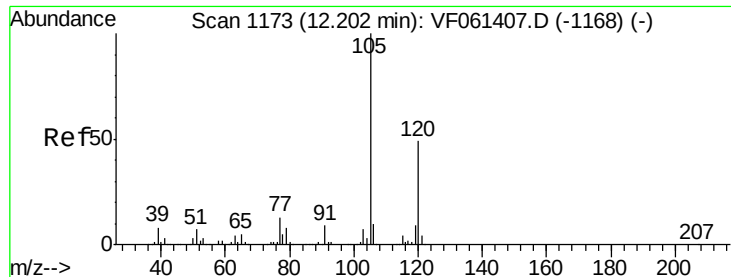
Tgt Ion: 105 Resp: 13661

Ion Ratio Lower Upper

105 100

120 46.1 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 8.427 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

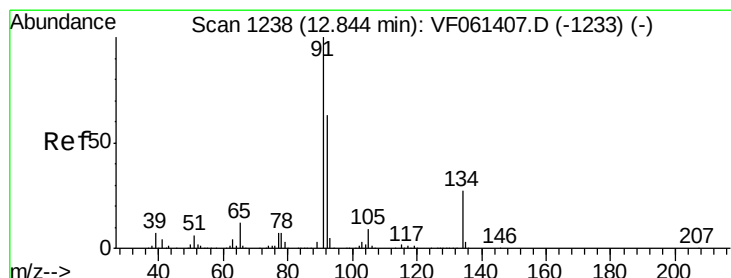
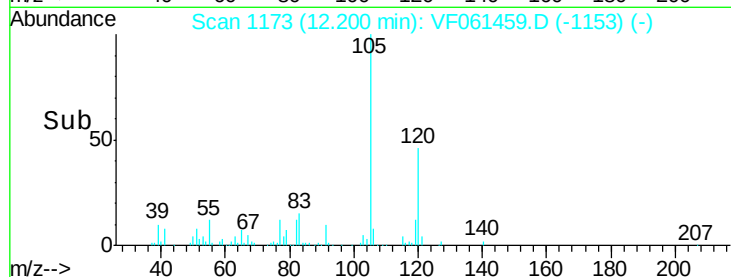
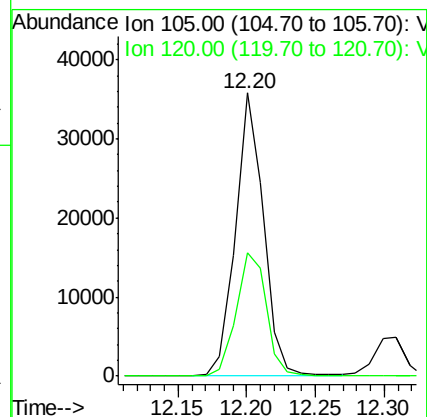
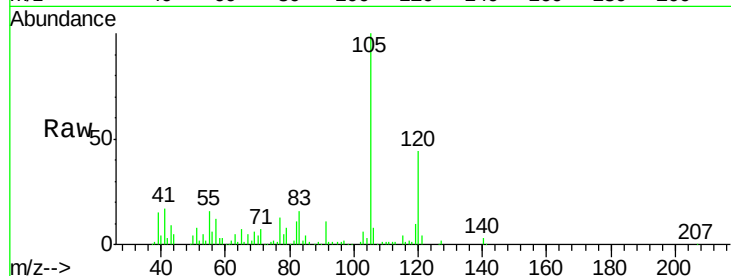
OR-03-011719-A

Tot Ion:105 Resp: 50983

Ion Ratio Lower Upper

105 100

120 43.5 24.9 74.6



#89

n-Butylbenzene

Concen: 1.843 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061459.D

Acq: 18 Jan 2019 15:06

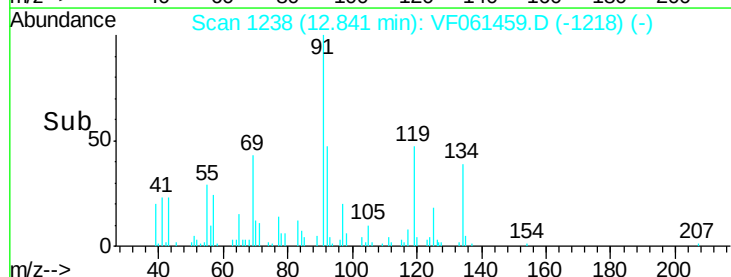
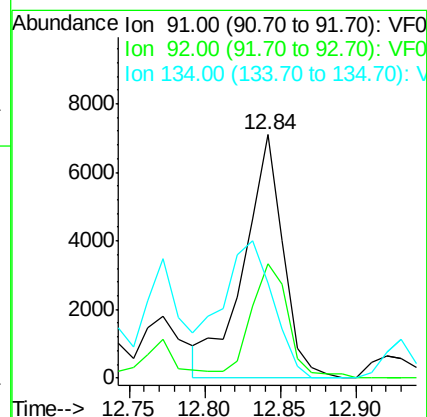
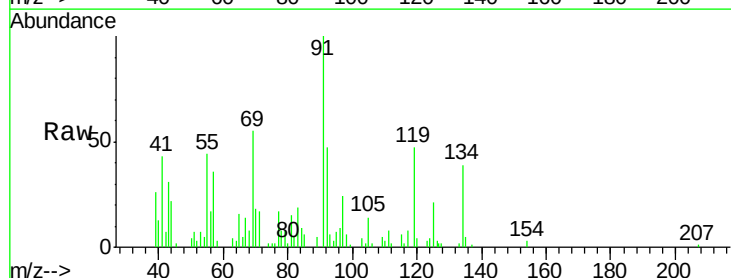
Tgt Ion: 91 Resp: 12882

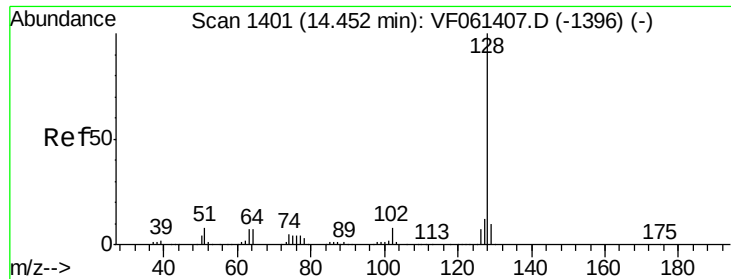
Ion Ratio Lower Upper

91 100

92 47.0 31.6 94.7

134 39.1 13.6 40.8

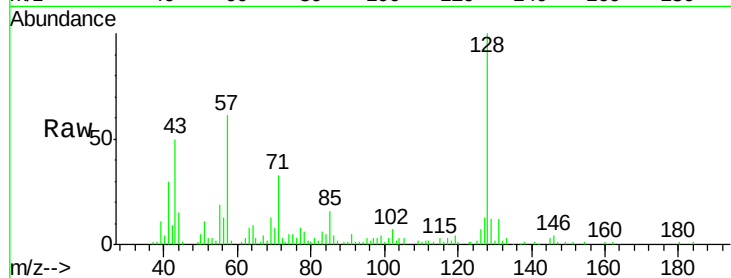




#95
 Naphthalene
 Concen: 10.198 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: VF061459.D
 Acq: 18 Jan 2019 15:06

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.5	14.3
129	12.1	8.4	12.6



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

