

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061773.D
 Acq On : 27 Feb 2019 18:30
 Operator : VA/AP
 Sample : K1353-05
 Misc : 7.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-C

Quant Time: Feb 28 01:15:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	346041	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	544044	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	426740	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	192212	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	127794	50.36	ug/l	-0.03
Spiked Amount 50.000			Recovery =	100.72%		
35) Dibromofluoromethane	4.10	113	187974	46.53	ug/l	-0.02
Spiked Amount 50.000			Recovery =	93.06%		
50) Toluene-d8	7.54	98	431944	37.19	ug/l	-0.02
Spiked Amount 50.000			Recovery =	74.38%		
62) 4-Bromofluorobenzene	11.41	95	177200	37.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	75.42%		

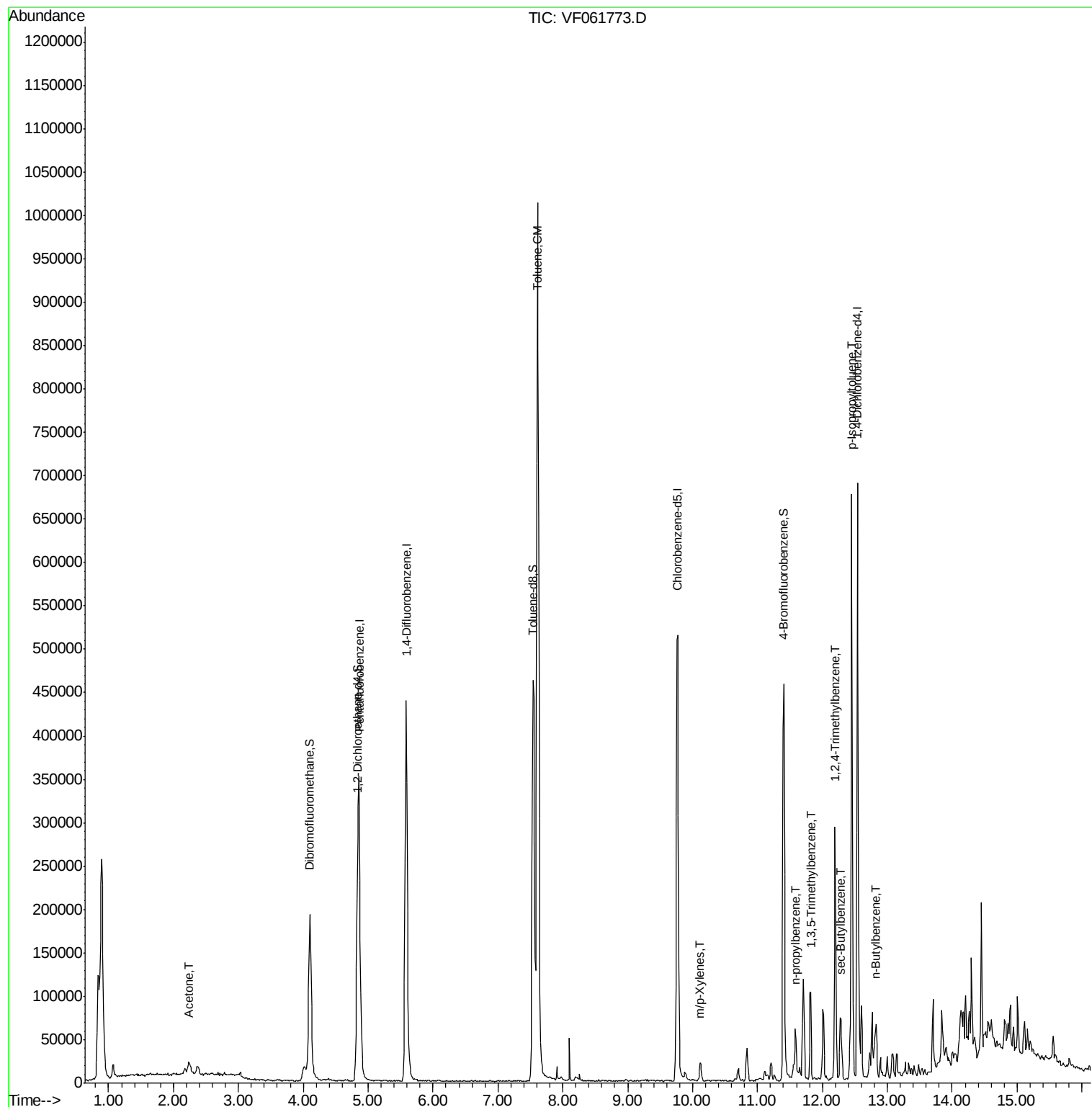
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.25	43	20116	36.947	ug/l #	89
52) Toluene	7.61	92	599426	70.112	ug/l	94
68) m/p-Xylenes	10.11	106	8487	1.540	ug/l	88
78) n-propylbenzene	11.58	91	46288	2.948	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	59773	5.465	ug/l	95
84) 1,2,4-Trimethylbenzene	12.19	105	153737	14.148	ug/l	94
85) sec-Butylbenzene	12.29	105	17297	1.104	ug/l	77
86) p-Isopropyltoluene	12.45	119	381638	29.027	ug/l	99
89) n-Butylbenzene	12.84	91	15827	1.275	ug/l #	82

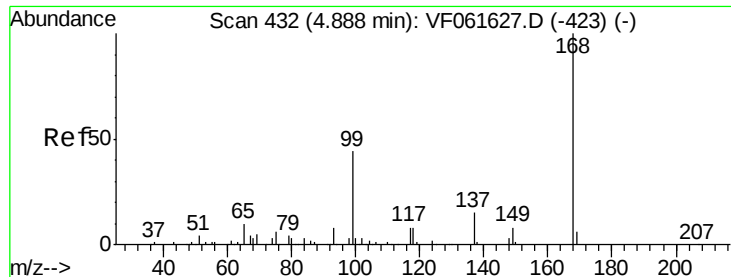
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061773.D
Acq On : 27 Feb 2019 18:30
Operator : VA/AP
Sample : K1353-05
Misc : 7.00g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-C

Quant Time: Feb 28 01:15:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

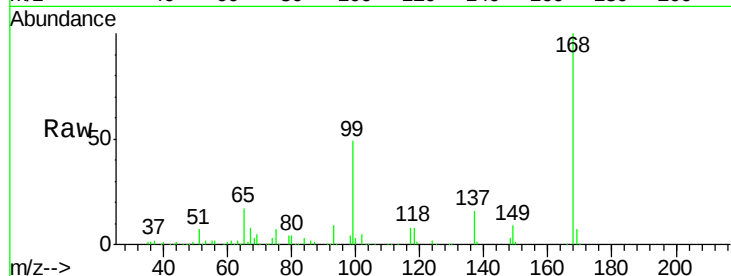
PL-02-022619-C

Tot Ion:168 Resp: 346041

Ion Ratio Lower Upper

168 100

99 48.8 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

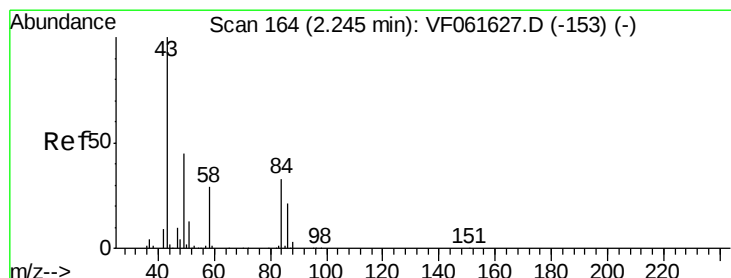
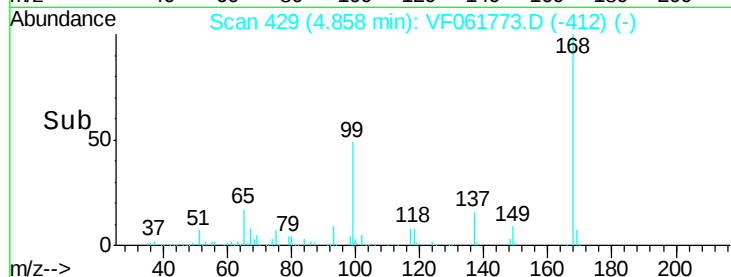
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 36.947 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061773.D

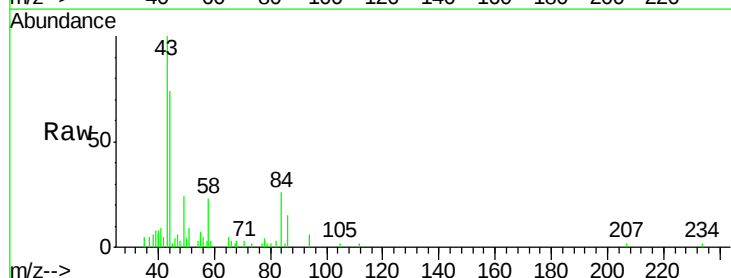
Acq: 27 Feb 2019 18:30

Tgt Ion: 43 Resp: 20116

Ion Ratio Lower Upper

43 100

58 22.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

6000

5000

4000

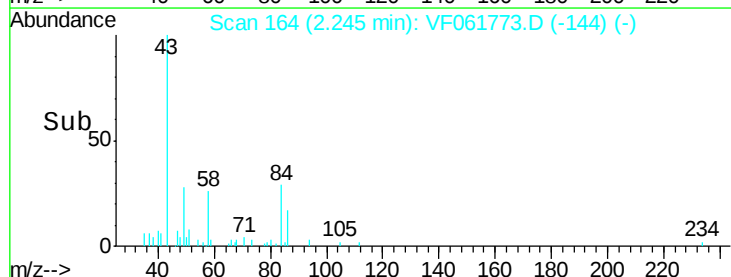
3000

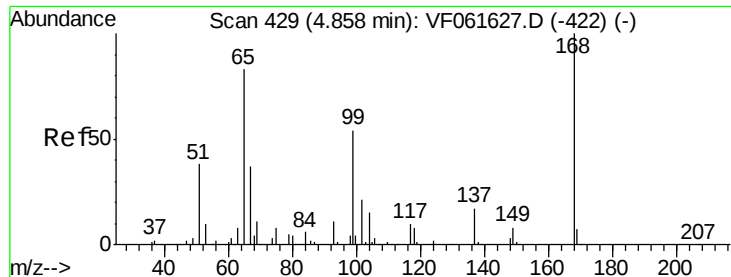
2000

1000

0

Time-->

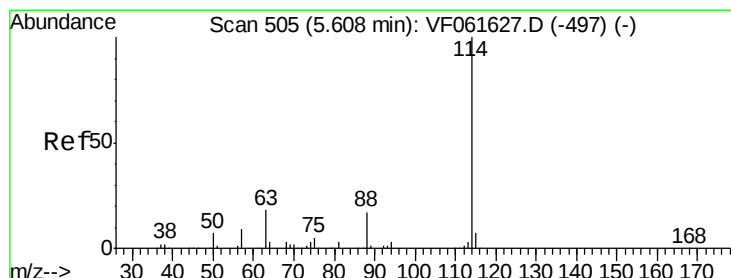
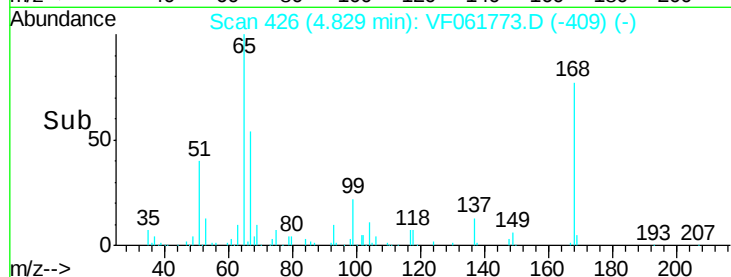
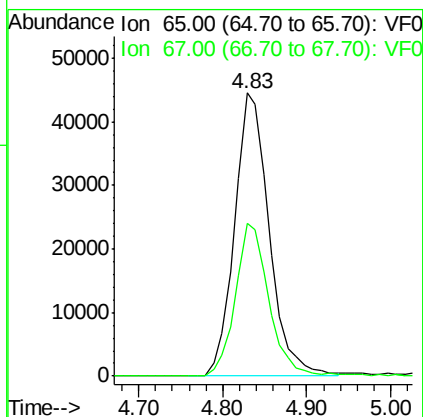
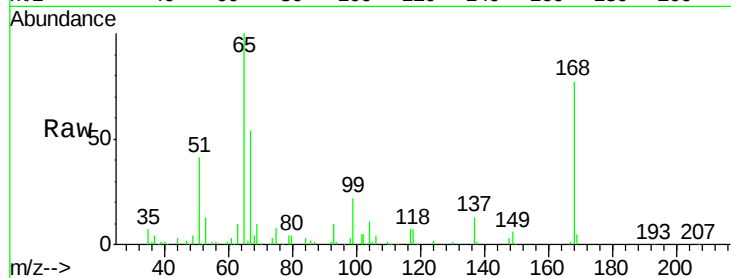




#33
 1,2-Dichloroethane-d4
 Concen: 50.361 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061773.D
 Acq: 27 Feb 2019 18:30

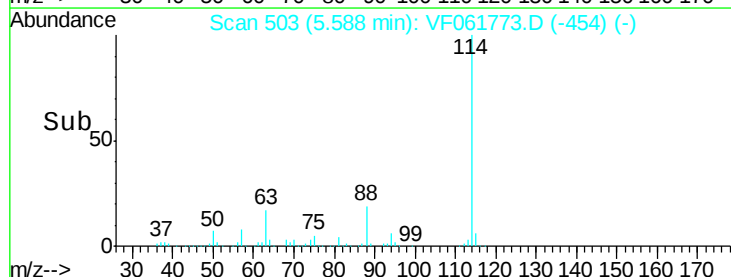
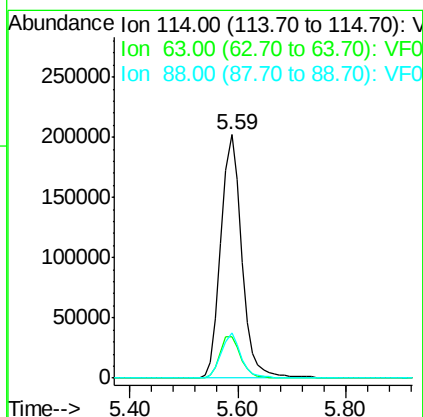
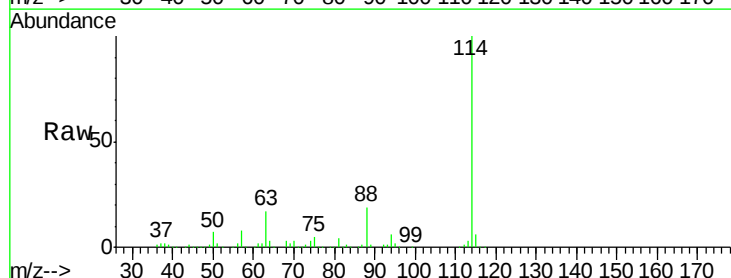
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-C

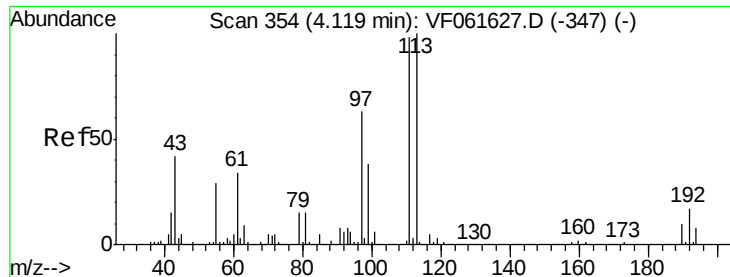
Tot Ion: 65 Resp: 127794
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061773.D
 Acq: 27 Feb 2019 18:30

Tgt Ion: 114 Resp: 544044
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 36.6
 88 18.7 0.0 34.4





#35

Dibromofluoromethane

Concen: 46.527 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

PL-02-022619-C

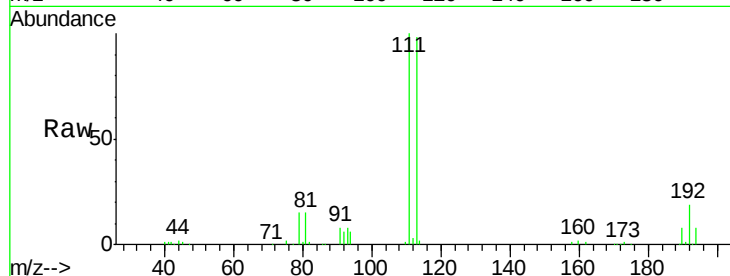
Tot Ion:113 Resp: 187974

Ion Ratio Lower Upper

113 100

111 101.7 78.8 118.2

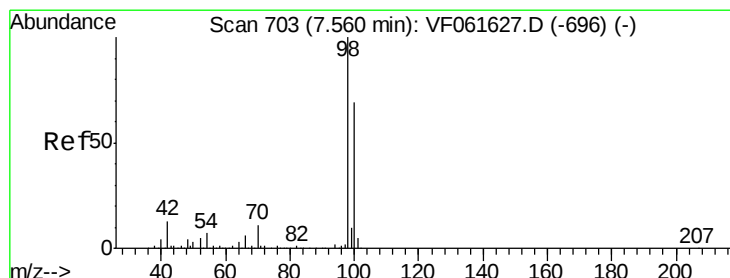
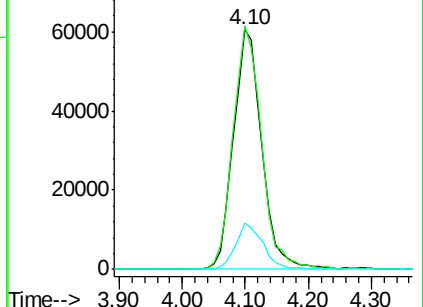
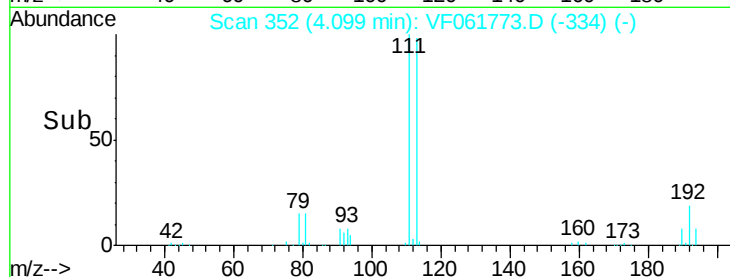
192 19.4 13.4 20.0



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: 37.191 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061773.D

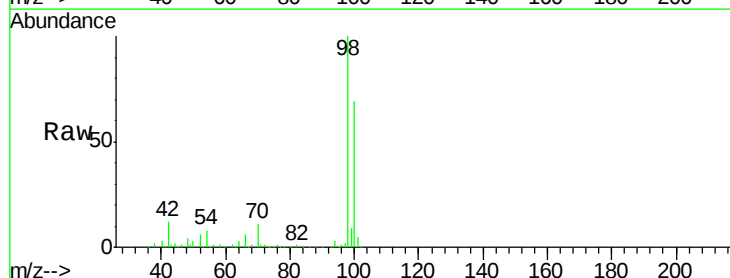
Acq: 27 Feb 2019 18:30

Tgt Ion: 98 Resp: 431944

Ion Ratio Lower Upper

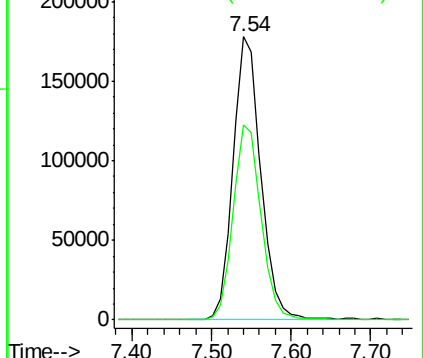
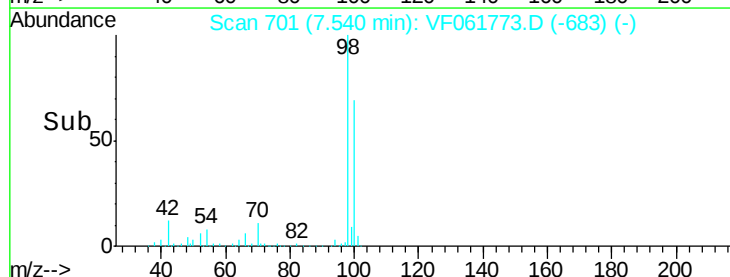
98 100

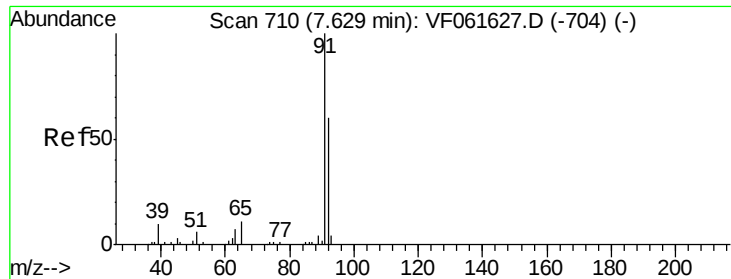
100 68.8 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 70.112 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

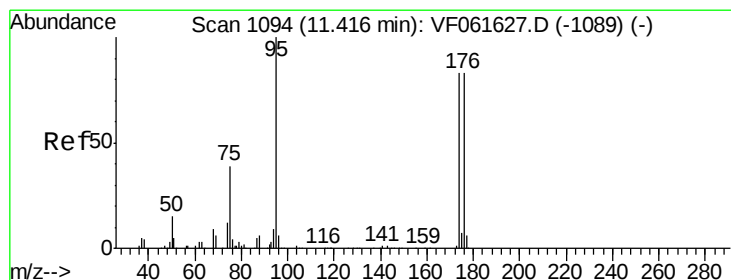
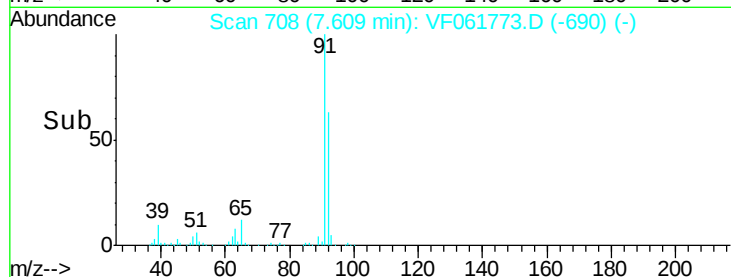
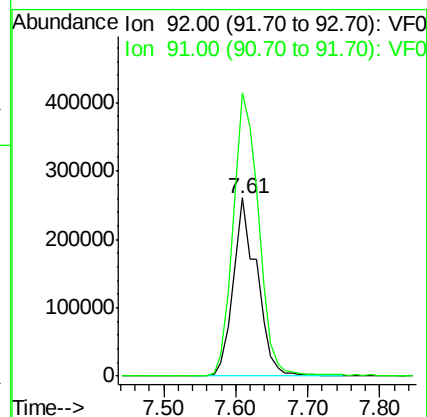
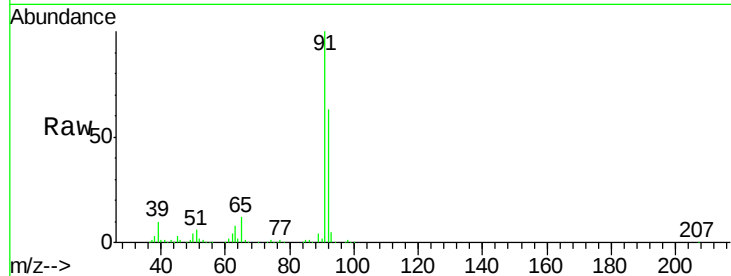
PL-02-022619-C

Tot Ion: 92 Resp: 599426

Ion Ratio Lower Upper

92 100

91 159.0 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 37.708 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

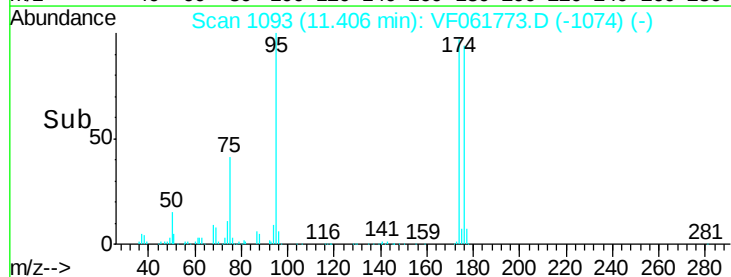
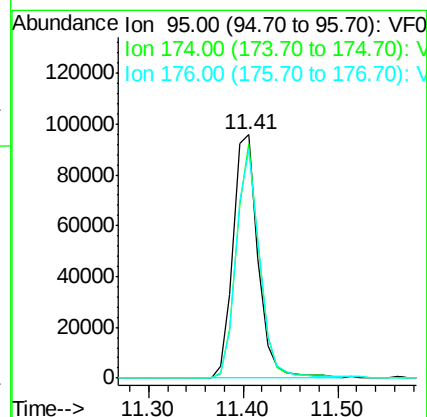
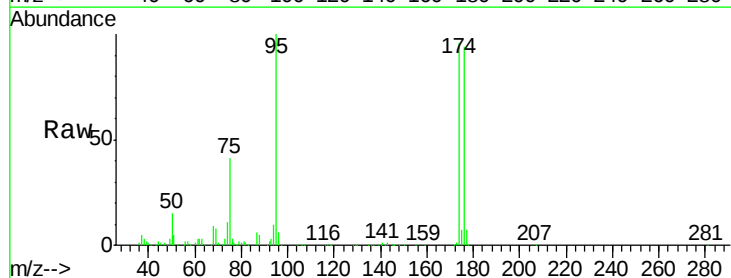
Tgt Ion: 95 Resp: 177200

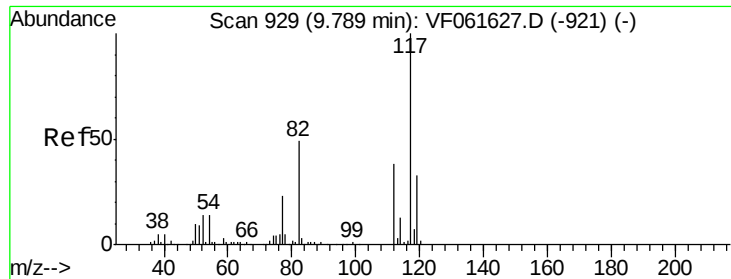
Ion Ratio Lower Upper

95 100

174 96.3 0.0 165.8

176 93.7 0.0 167.0

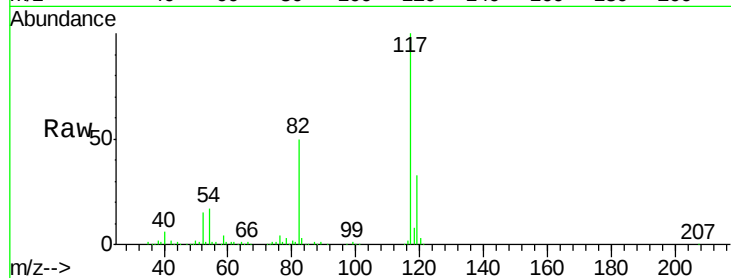




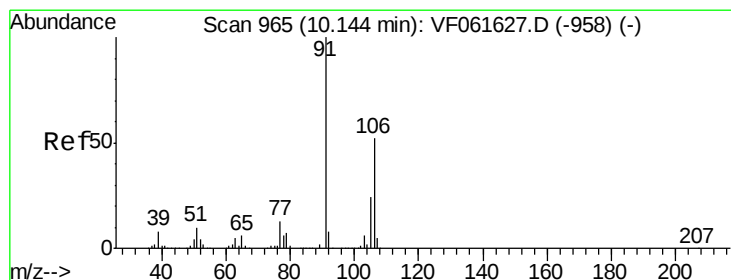
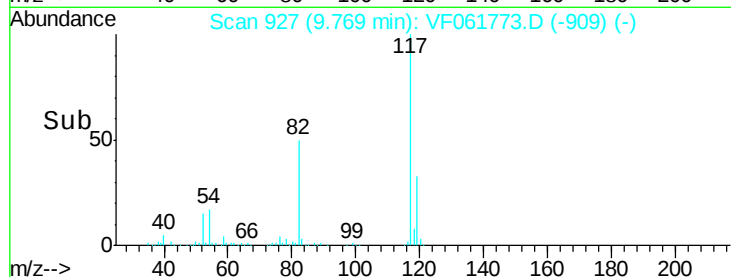
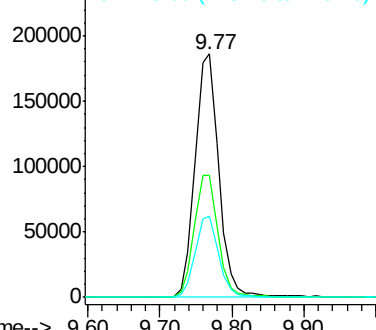
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061773.D
Acq: 27 Feb 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-C

Tot Ion:117 Resp: 426740
Ion Ratio Lower Upper
117 100
82 49.9 39.3 58.9
119 33.4 26.6 40.0

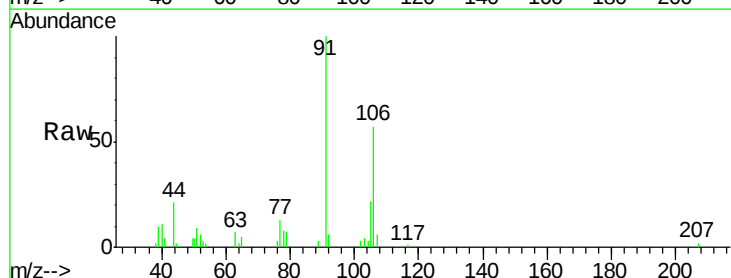


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

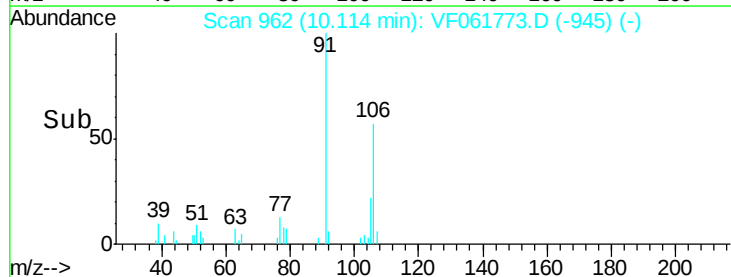
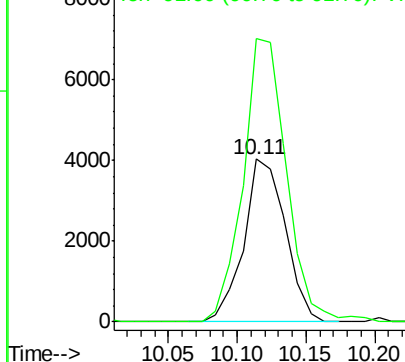


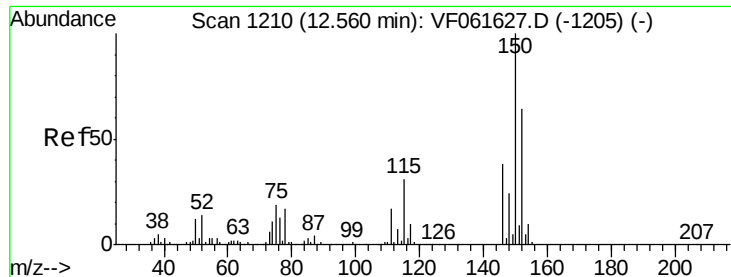
#68
m/p-Xylenes
Concen: 1.540 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF061773.D
Acq: 27 Feb 2019 18:30

Tgt Ion:106 Resp: 8487
Ion Ratio Lower Upper
106 100
91 174.1 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

PL-02-022619-C

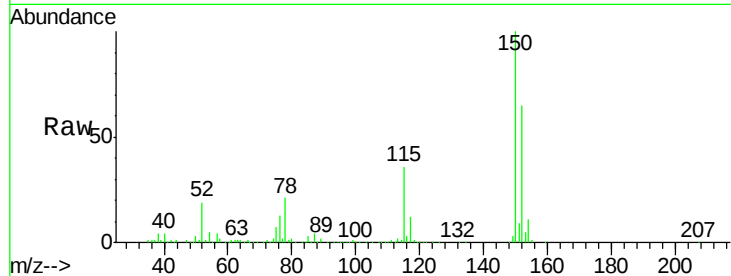
Tot Ion:152 Resp: 192212

Ion Ratio Lower Upper

152 100

115 56.0 24.3 72.8

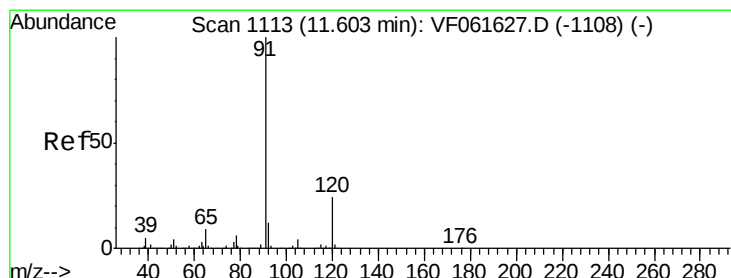
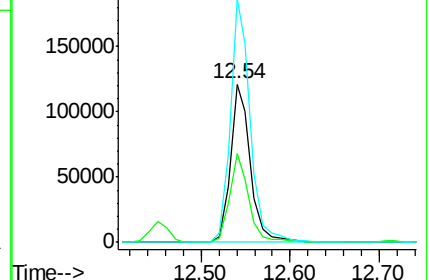
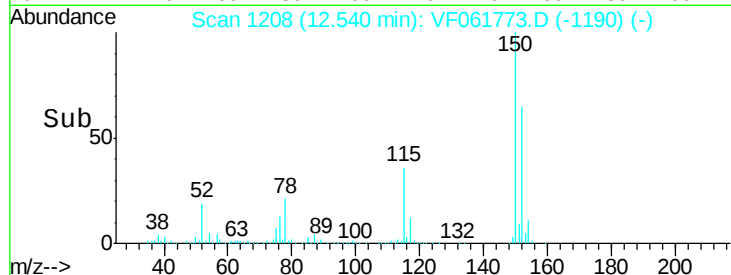
150 153.6 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#78

n-propylbenzene

Concen: 2.948 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061773.D

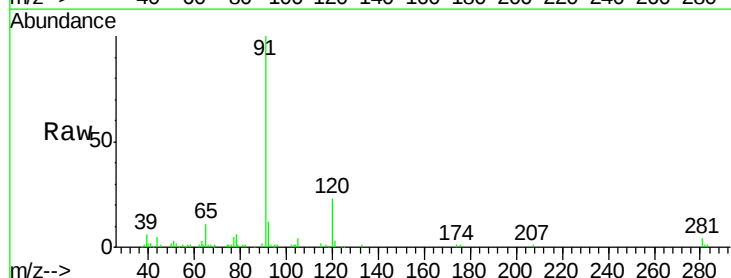
Acq: 27 Feb 2019 18:30

Tgt Ion: 91 Resp: 46288

Ion Ratio Lower Upper

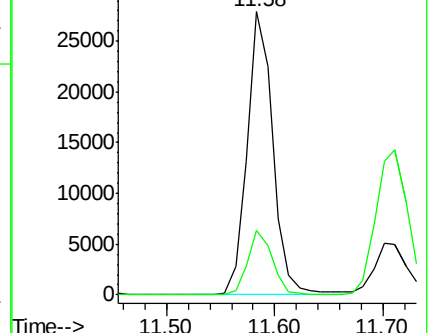
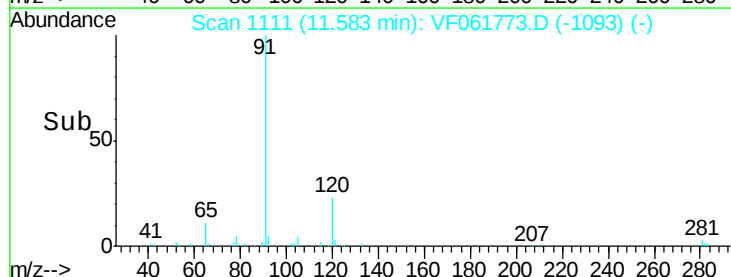
91 100

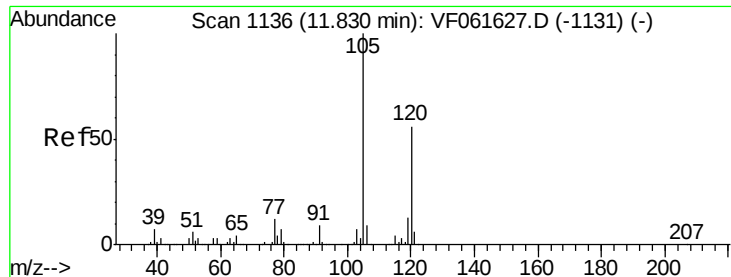
120 22.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.465 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

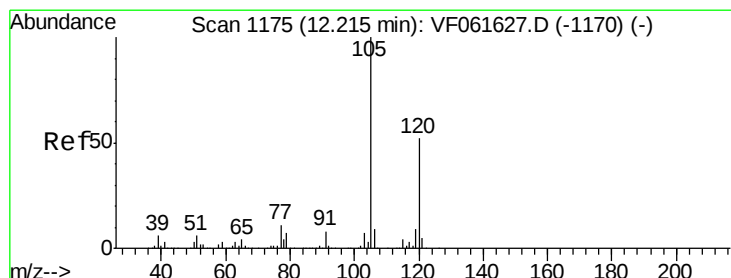
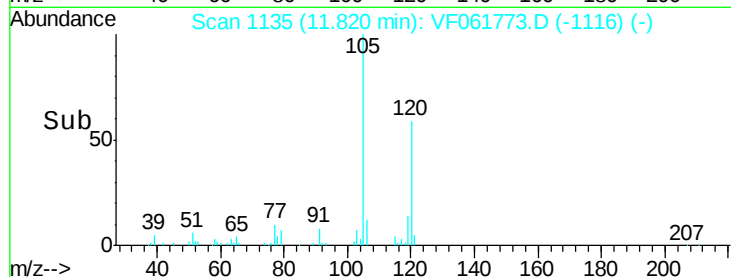
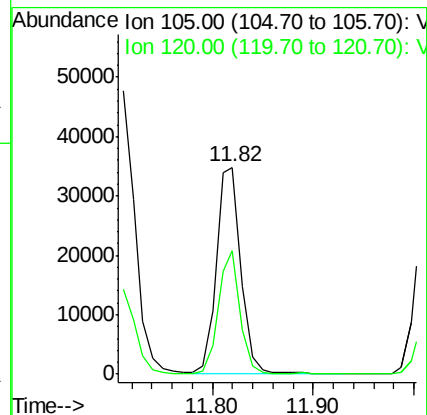
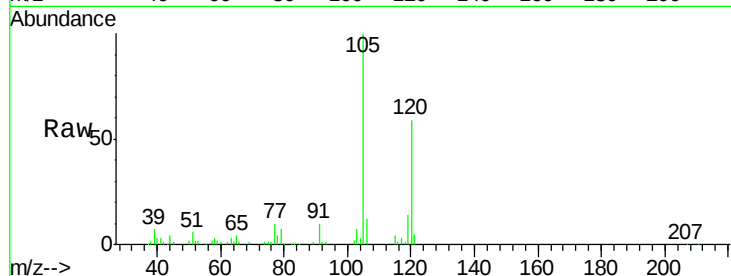
PL-02-022619-C

Tot Ion:105 Resp: 59773

Ion Ratio Lower Upper

105 100

120 59.5 27.9 83.6



#84

1,2,4-Trimethylbenzene

Concen: 14.148 ug/l

RT: 12.19 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061773.D

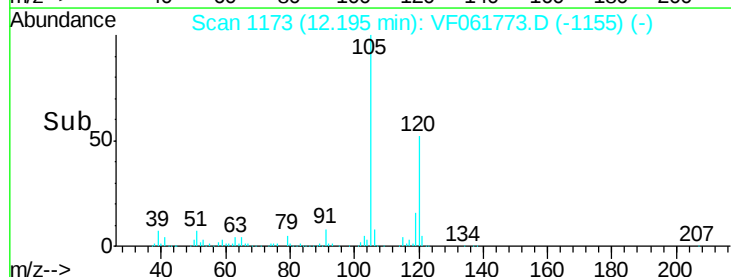
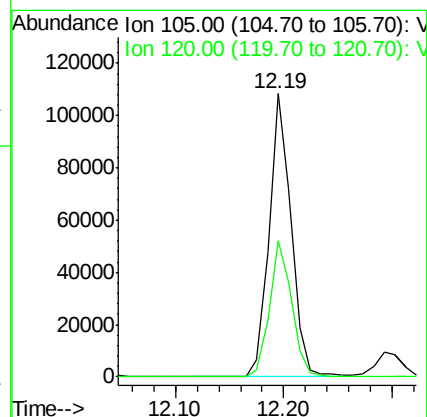
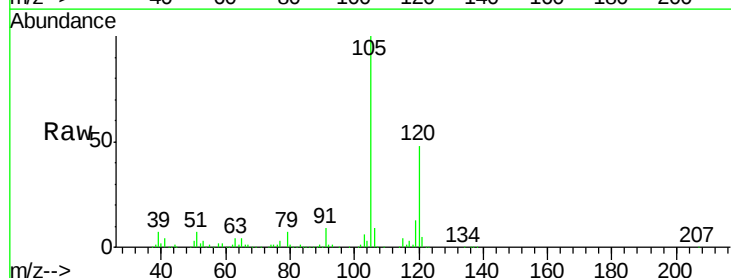
Acq: 27 Feb 2019 18:30

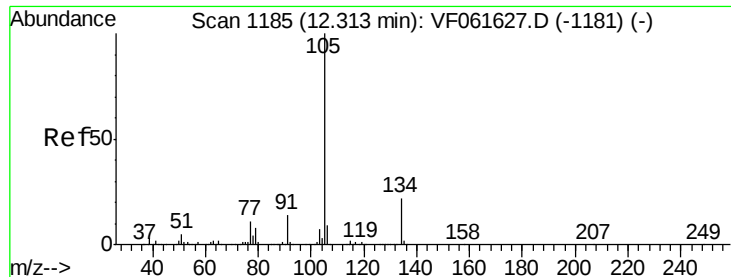
Tgt Ion:105 Resp: 153737

Ion Ratio Lower Upper

105 100

120 47.9 26.1 78.3





#85

sec-Butylbenzene

Concen: 1.104 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

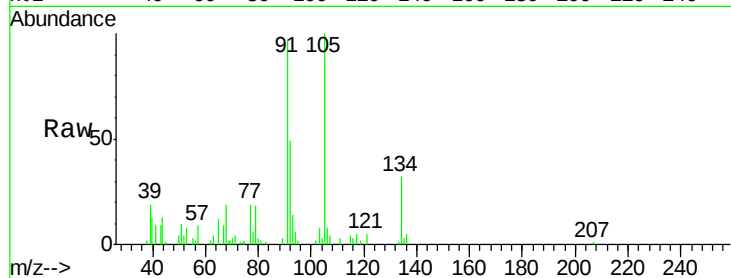
PL-02-022619-C

Tot Ion:105 Resp: 17297

Ion Ratio Lower Upper

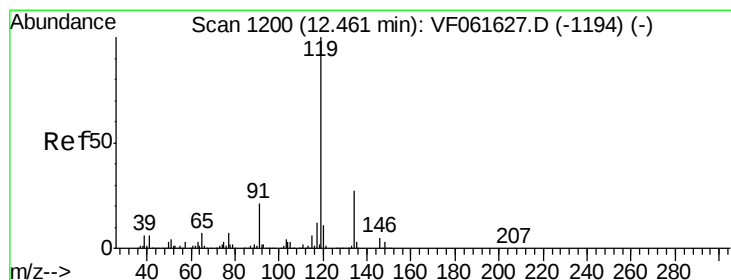
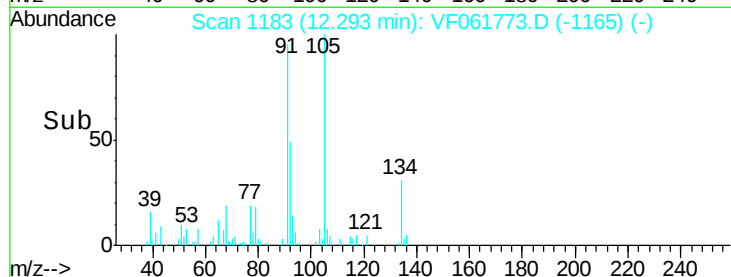
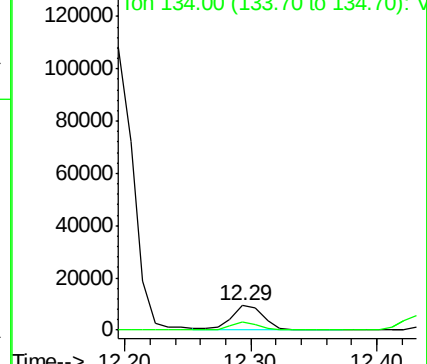
105 100

134 32.3 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 29.027 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

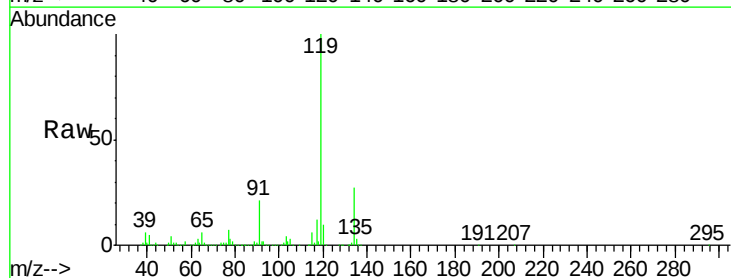
Tgt Ion:119 Resp: 381638

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

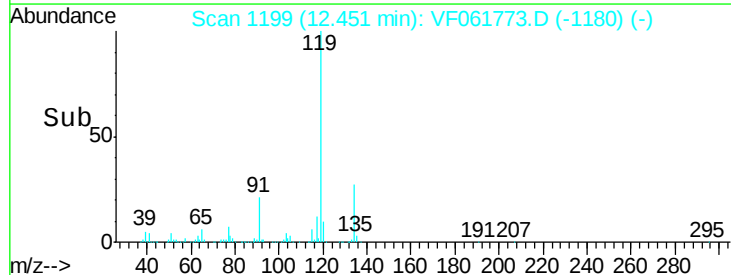
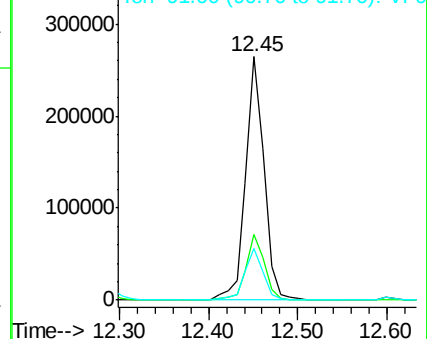
91 21.1 10.8 32.4

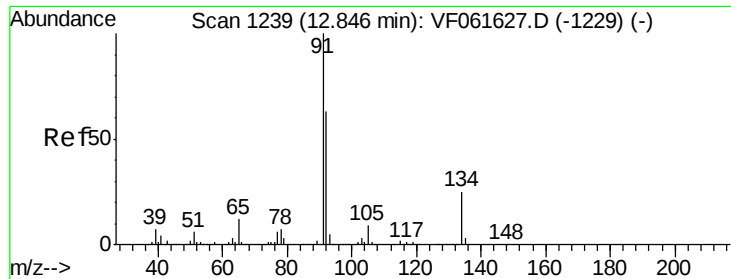


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 1.275 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061773.D

Acq: 27 Feb 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

PL-02-022619-C

Tot Ion: 91 Resp: 15827

Ion Ratio Lower Upper

91 100

92 59.5 31.4 94.3

134 50.0 12.3 36.9#

