

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061781.D
 Acq On : 27 Feb 2019 22:18
 Operator : VA/AP
 Sample : K1358-05
 Misc : 10.17g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-022719

Quant Time: Feb 28 01:26:13 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

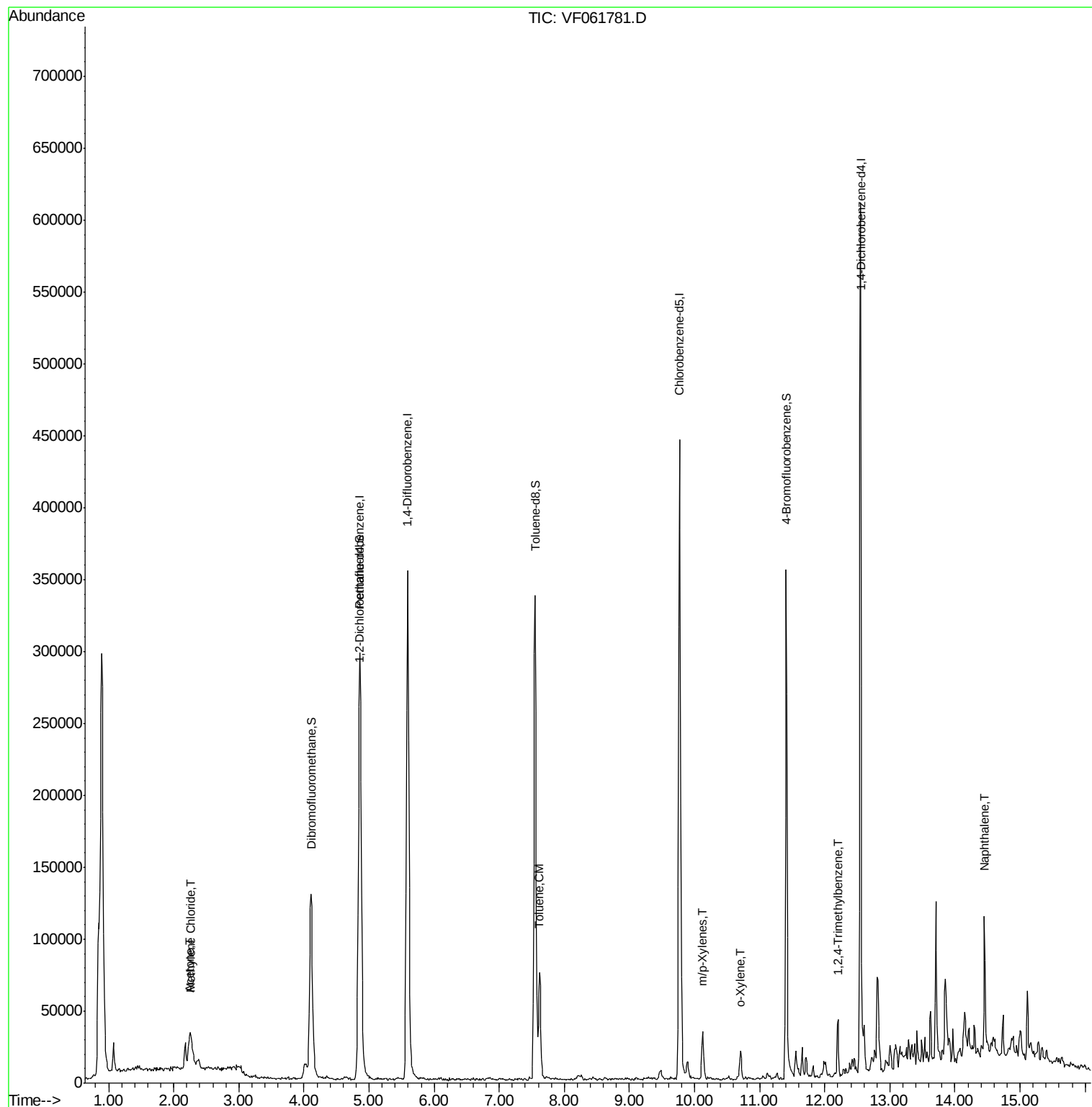
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	277641	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	449946	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	354920	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	172122	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	92219	45.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.58%	
35) Dibromofluoromethane	4.11	113	133687	40.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.02%	
50) Toluene-d8	7.55	98	301935	31.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	62.86%	
62) 4-Bromofluorobenzene	11.41	95	130462	33.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	67.14%	
Target Compounds						
16) Acetone	2.23	43	17980	41.160	ug/l #	87
20) Methylene Chloride	2.27	84	26767m	9.388	ug/l	
52) Toluene	7.62	92	42778	6.050	ug/l	99
68) m/p-Xylenes	10.12	106	13337	2.910	ug/l	95
69) o-Xylene	10.71	106	5606	1.146	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	17625	1.811	ug/l	92
95) Naphthalene	14.45	128	11942	1.696	ug/l #	88

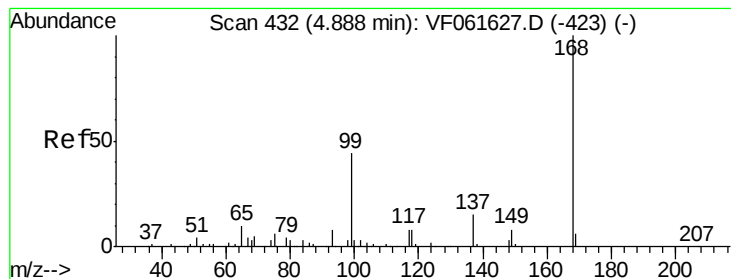
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061781.D
Acq On : 27 Feb 2019 22:18
Operator : VA/AP
Sample : K1358-05
Misc : 10.17g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TR-05-022719

Quant Time: Feb 28 01:26:13 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: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061781.D

Acq: 27 Feb 2019 22:18

Instrument :

MSVOA_F

ClientSampleId :

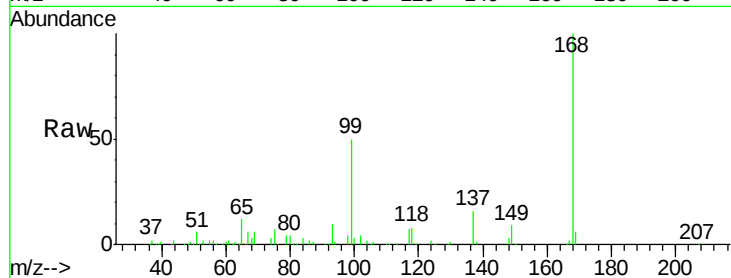
TR-05-022719

Tot Ion:168 Resp: 277641

Ion Ratio Lower Upper

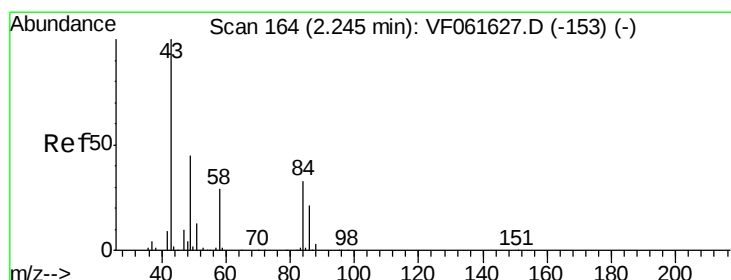
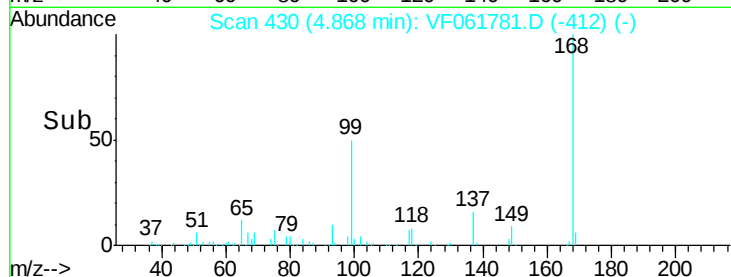
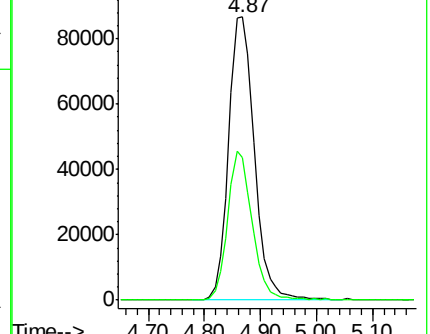
168 100

99 50.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 41.160 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061781.D

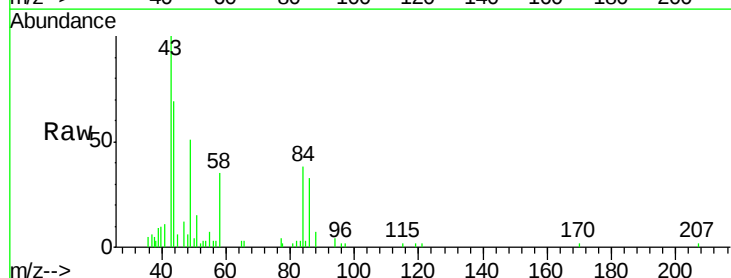
Acq: 27 Feb 2019 22:18

Tgt Ion: 43 Resp: 17980

Ion Ratio Lower Upper

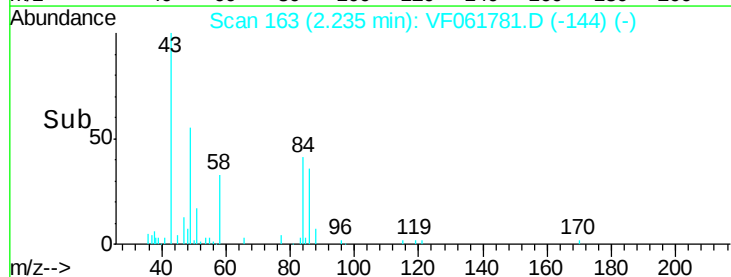
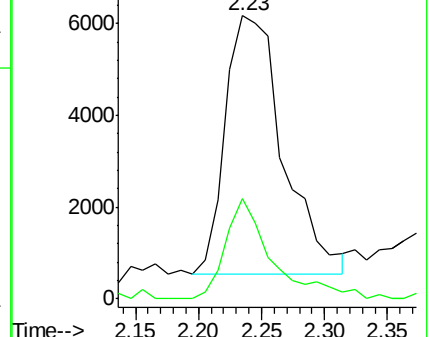
43 100

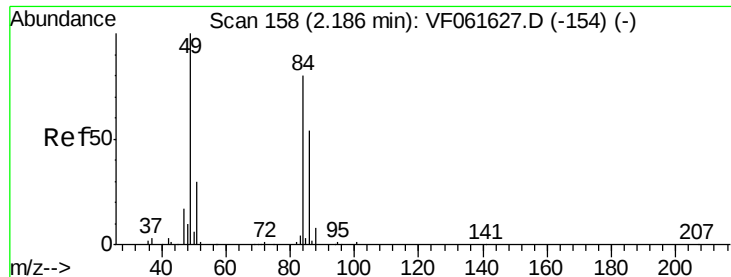
58 35.3 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

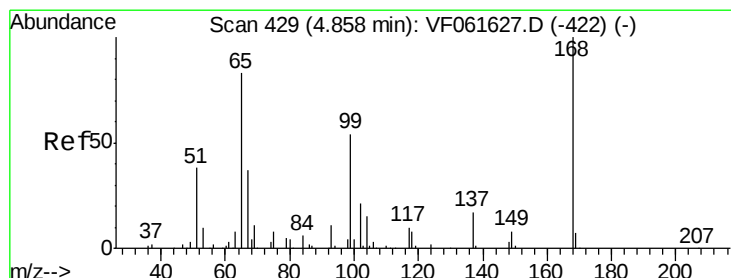
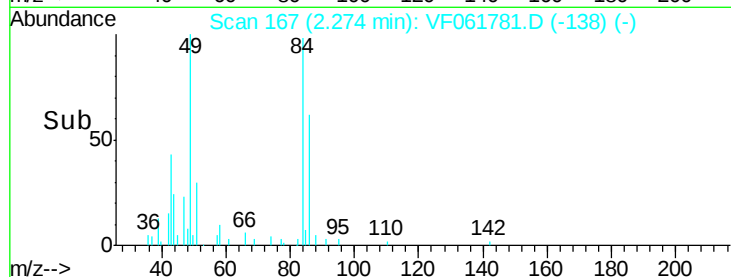
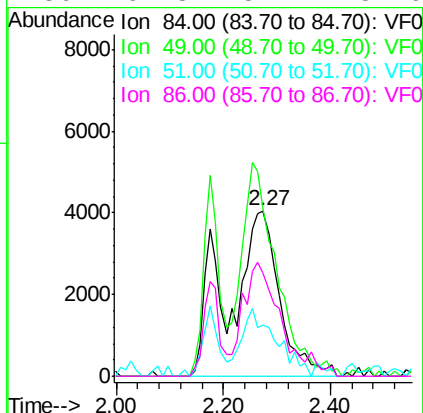
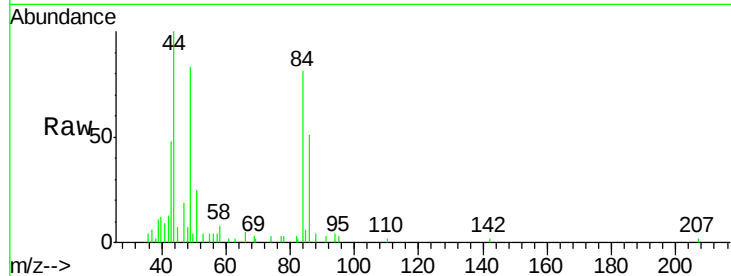




#20
Methylene Chloride
Concen: 9.388 ug/l
RT: 2.27 min Scan# 167
Delta R.T. 0.09 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

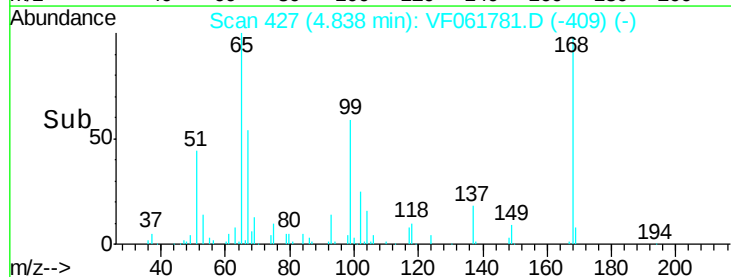
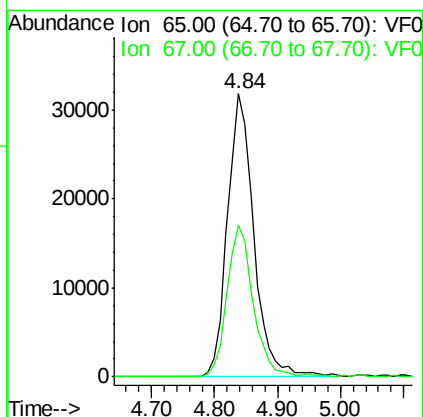
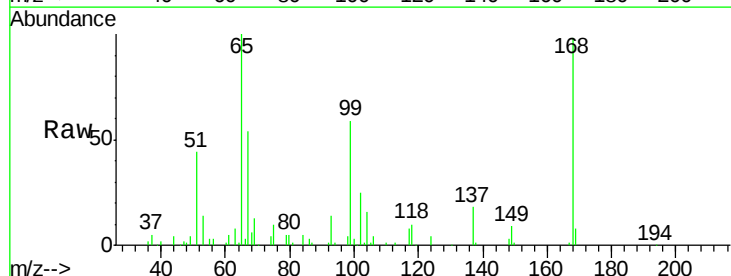
Instrument :
MSVOA_F
ClientSampleId :
TR-05-022719

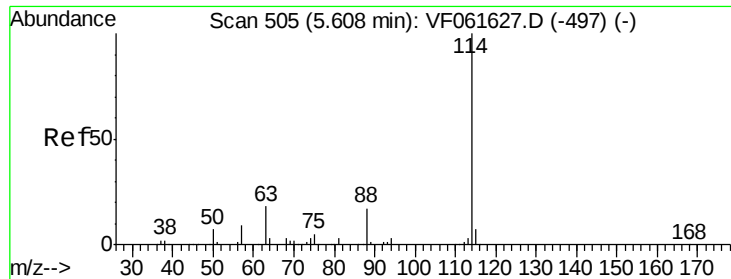
Tot Ion: 84 Resp: 26767
Ion Ratio Lower Upper
84 100
49 102.0 101.8 152.8
51 30.9 31.1 46.7#
86 62.8 54.4 81.6



#33
1,2-Dichloroethane-d4
Concen: 45.295 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

Tgt Ion: 65 Resp: 92219
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.0

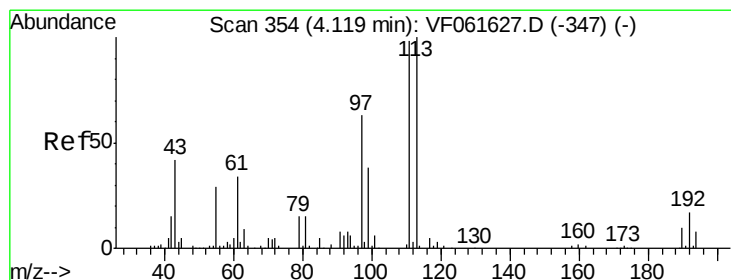
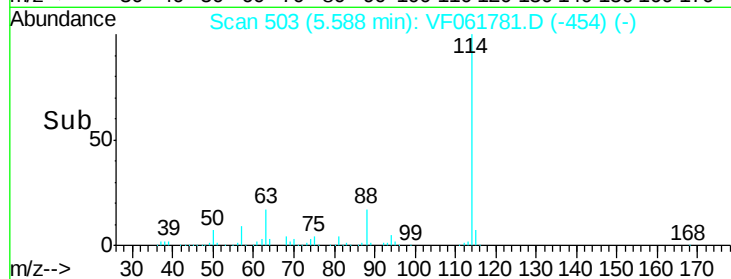
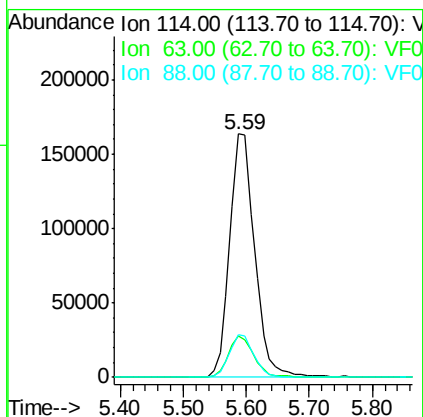
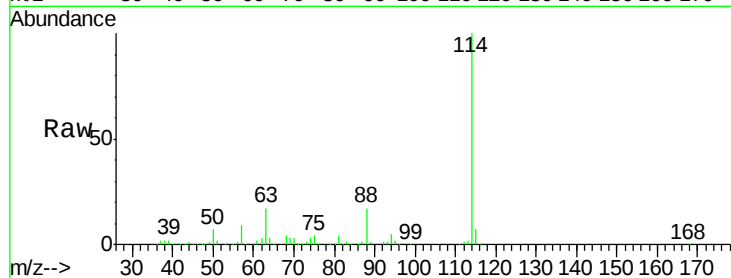




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061781.D
 Acq: 27 Feb 2019 22:18

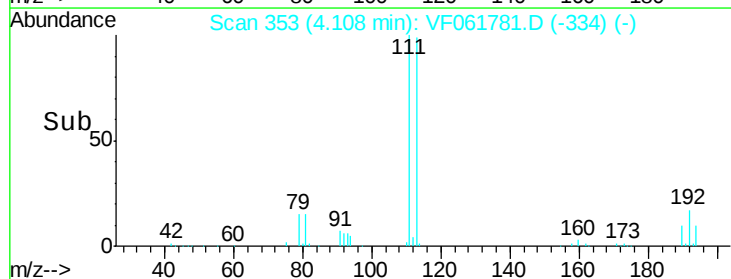
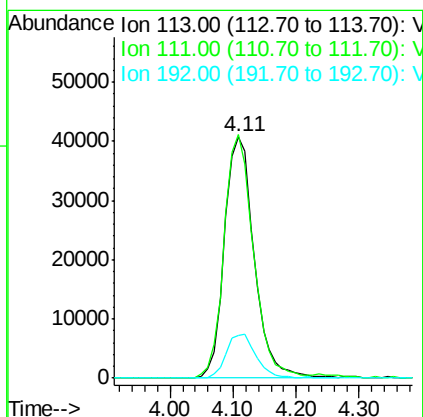
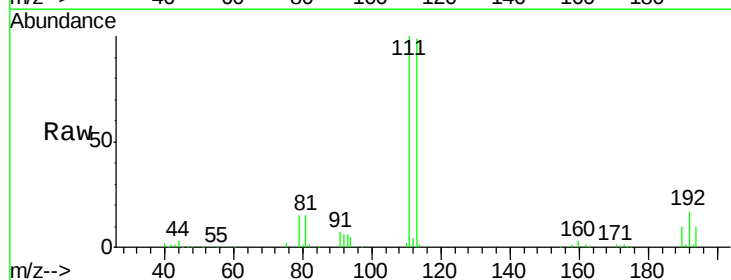
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-022719

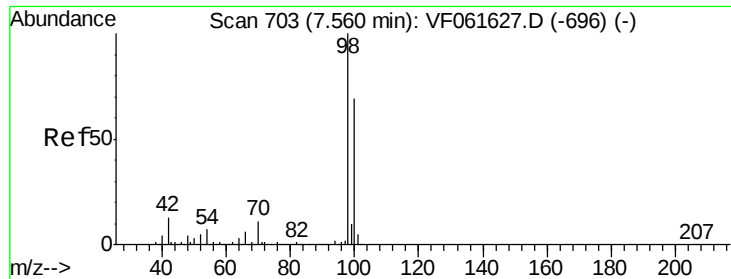
Tot Ion:114 Resp: 449946
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 36.6
 88 17.3 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 40.010 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061781.D
 Acq: 27 Feb 2019 22:18

Tgt Ion:113 Resp: 133687
 Ion Ratio Lower Upper
 113 100
 111 100.8 78.8 118.2
 192 17.6 13.4 20.0

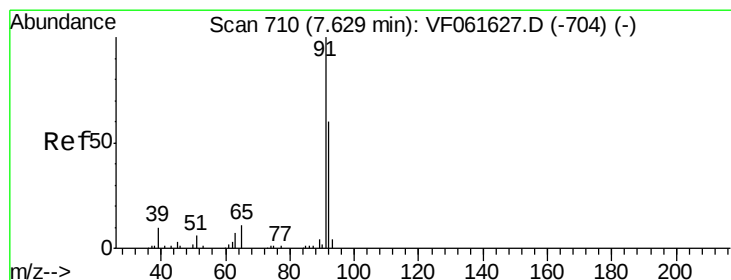
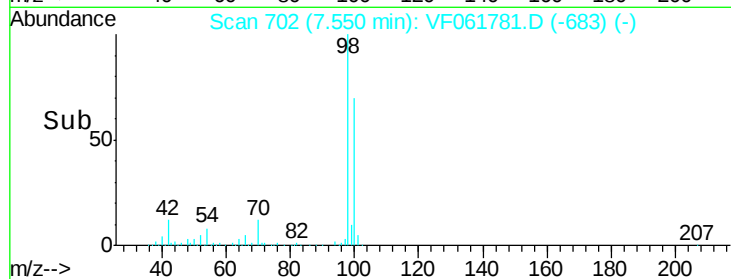
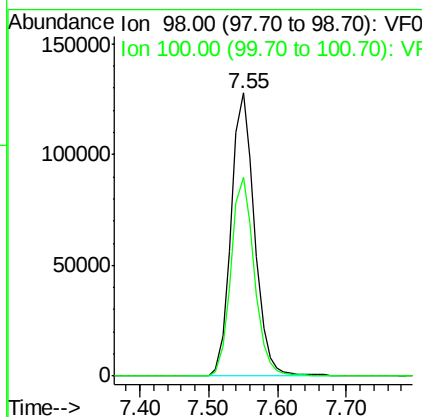
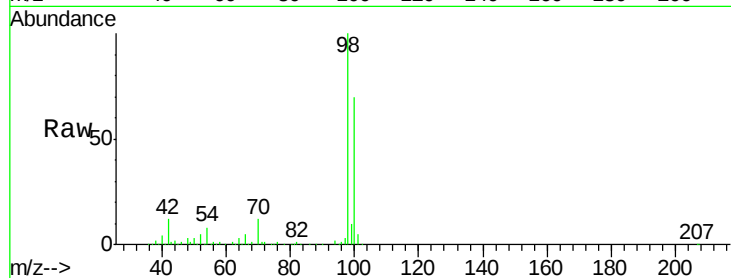




#50
Toluene-d8
Concen: 31.434 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

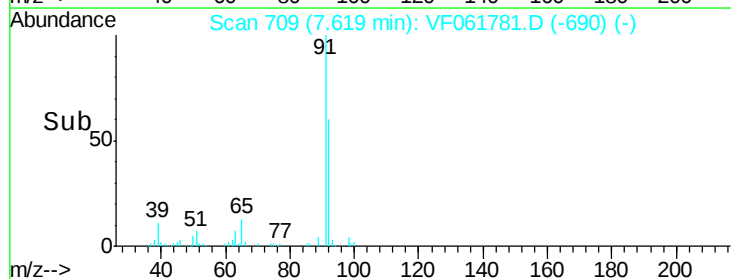
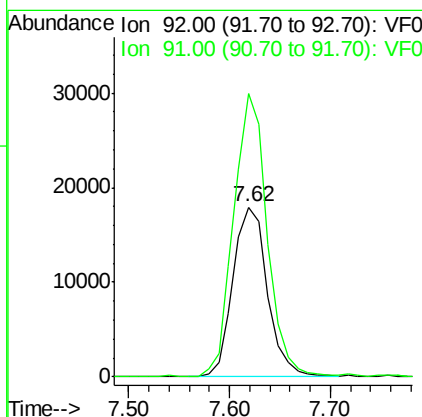
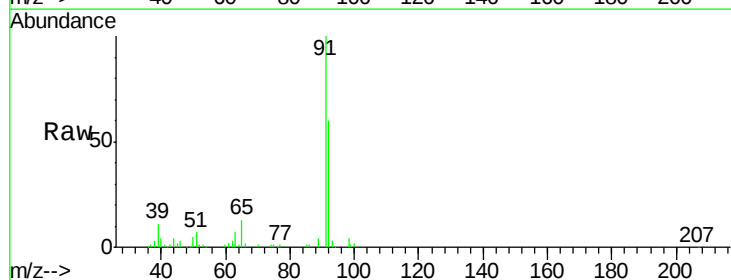
Instrument :
MSVOA_F
ClientSampleId :
TR-05-022719

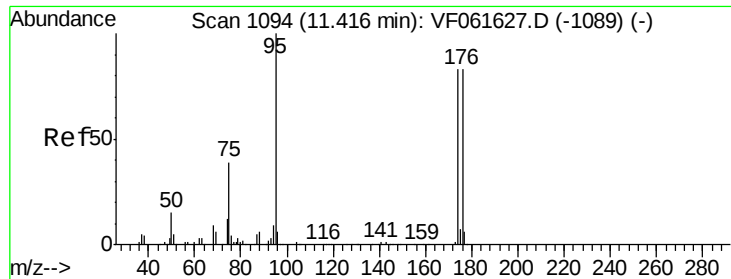
Tot Ion: 98 Resp: 301935
Ion Ratio Lower Upper
98 100
100 70.3 55.4 83.2



#52
Toluene
Concen: 6.050 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

Tgt Ion: 92 Resp: 42778
Ion Ratio Lower Upper
92 100
91 166.6 133.9 200.9

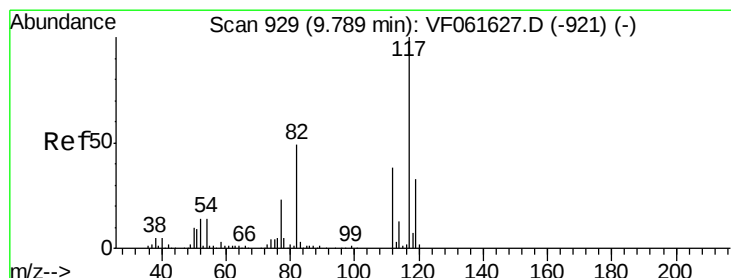
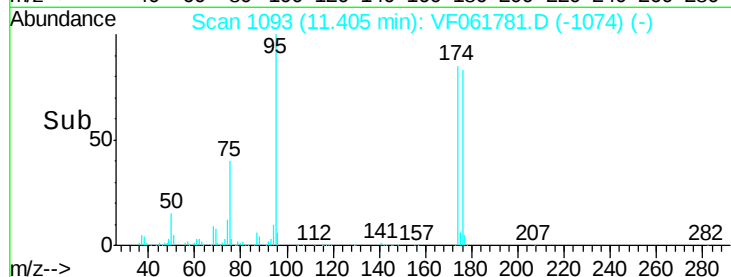
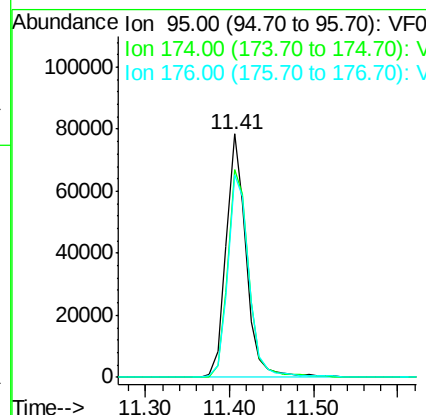
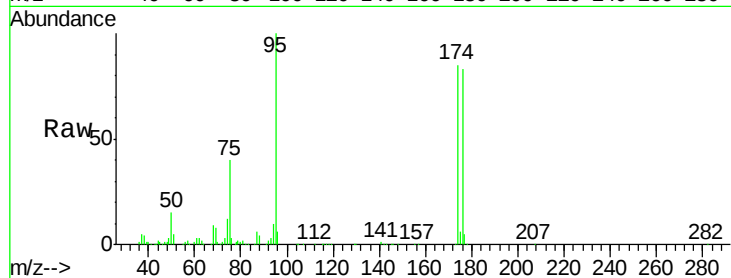




#62
4-Bromofluorobenzene
Concen: 33.568 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

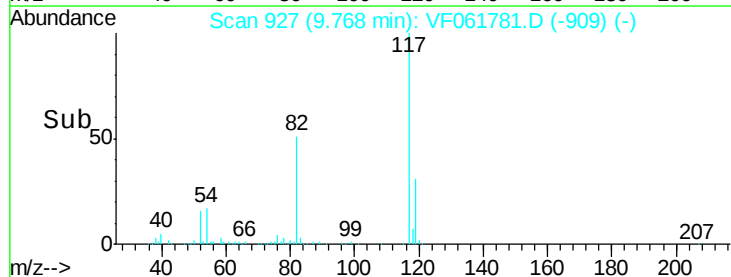
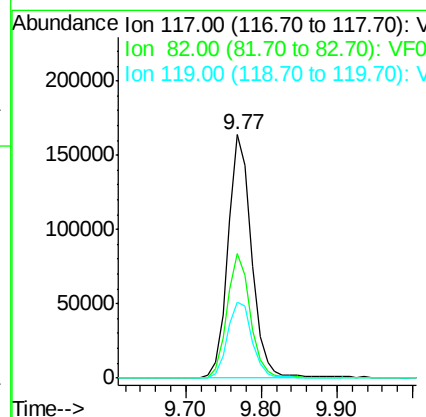
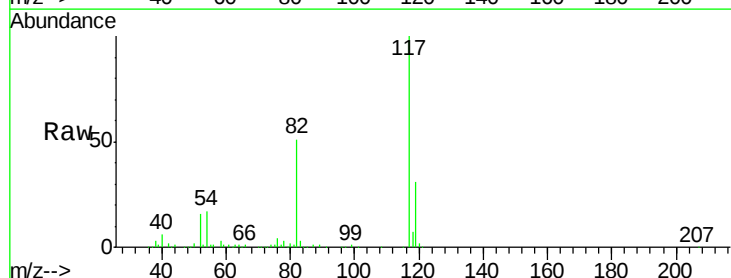
Instrument :
MSVOA_F
ClientSampleId :
TR-05-022719

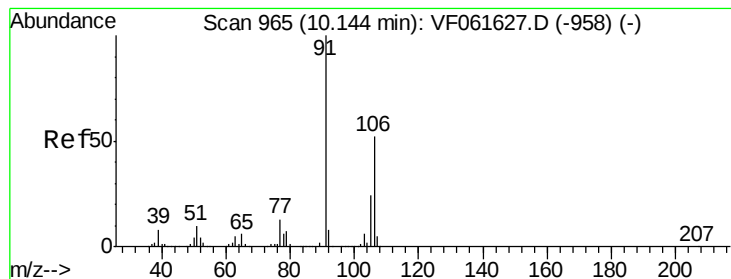
Tot Ion: 95 Resp: 130462
Ion Ratio Lower Upper
95 100
174 85.4 0.0 165.8
176 83.0 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061781.D
Acq: 27 Feb 2019 22:18

Tgt Ion: 117 Resp: 354920
Ion Ratio Lower Upper
117 100
82 51.2 39.3 58.9
119 31.0 26.6 40.0





#68

m/p-Xylenes

Concen: 2.910 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061781.D

Acq: 27 Feb 2019 22:18

Instrument :

MSVOA_F

ClientSampleId :

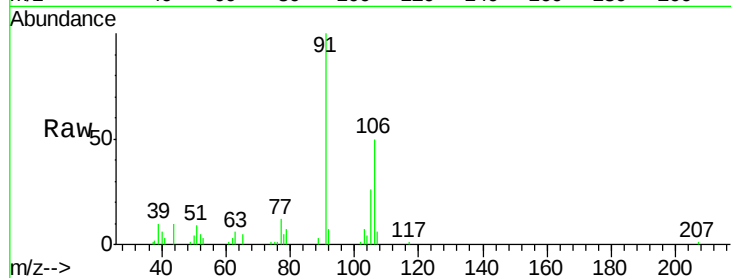
TR-05-022719

Tot Ion:106 Resp: 13337

Ion Ratio Lower Upper

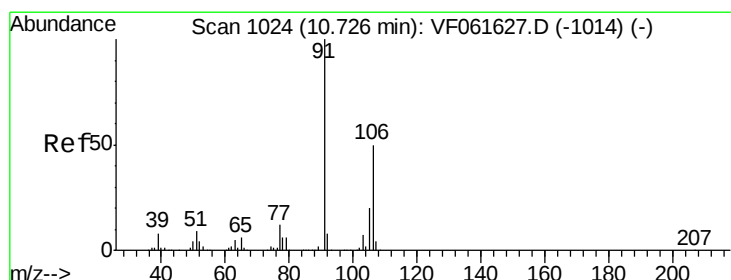
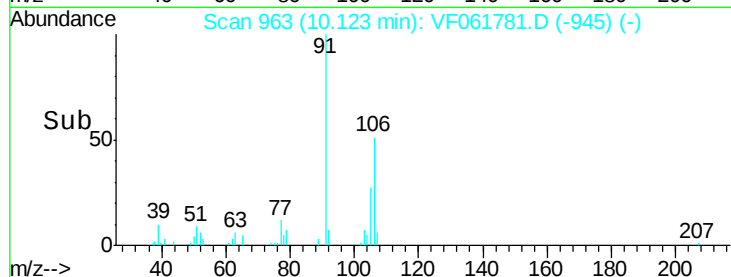
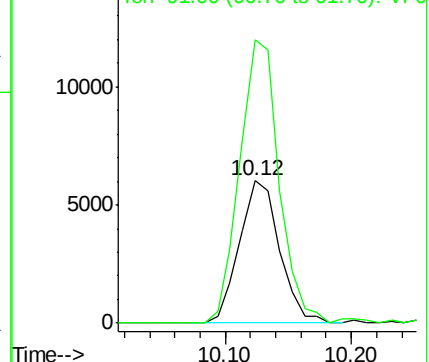
106 100

91 199.0 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.146 ug/l

RT: 10.71 min Scan# 1022

Delta R.T. -0.02 min

Lab File: VF061781.D

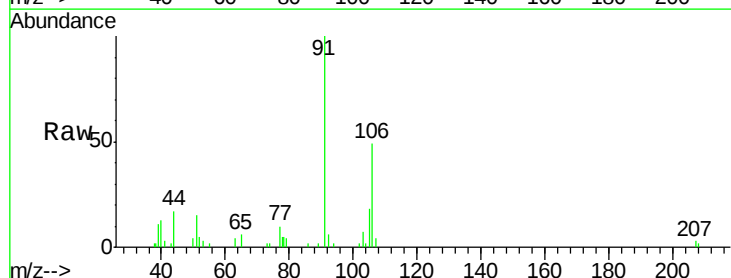
Acq: 27 Feb 2019 22:18

Tgt Ion:106 Resp: 5606

Ion Ratio Lower Upper

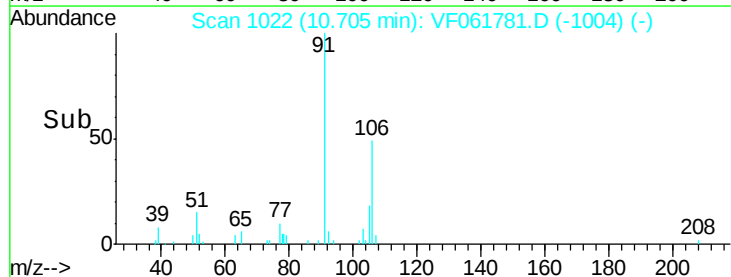
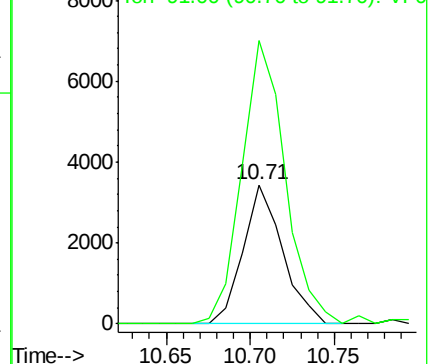
106 100

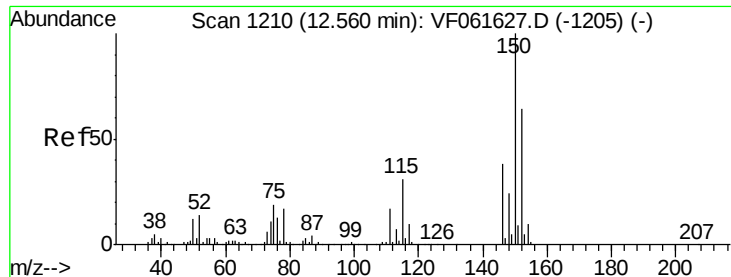
91 204.0 100.1 300.1



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061781.D

Acq: 27 Feb 2019 22:18

Instrument :

MSVOA_F

ClientSampleId :

TR-05-022719

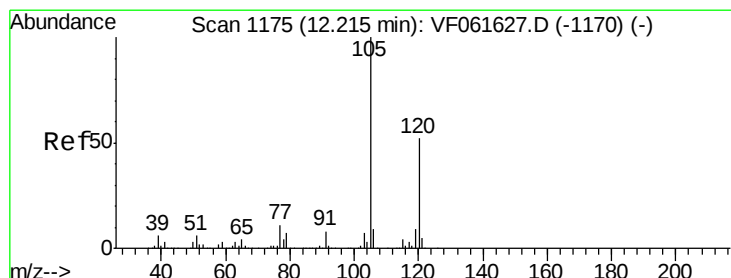
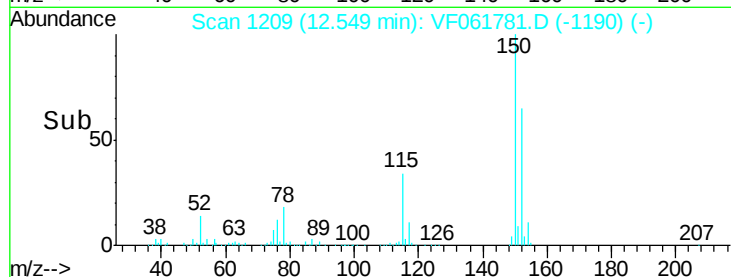
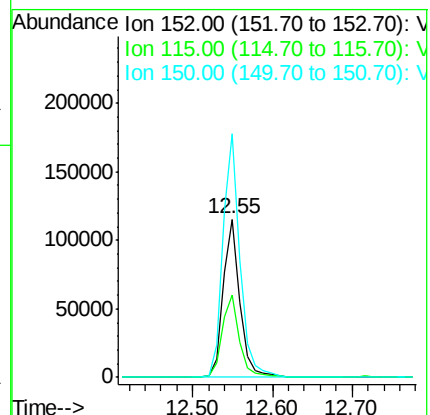
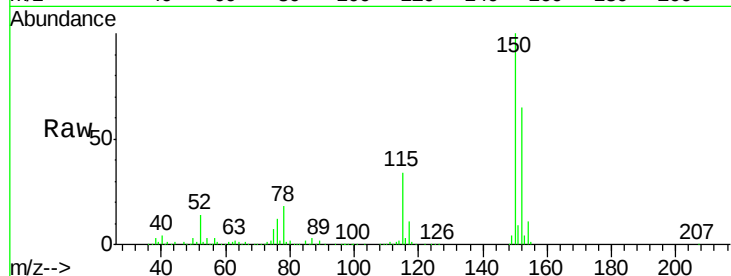
Tot Ion:152 Resp: 172122

Ion Ratio Lower Upper

152 100

115 51.7 24.3 72.8

150 153.9 0.0 312.0



#84

1,2,4-Trimethylbenzene

Concen: 1.811 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061781.D

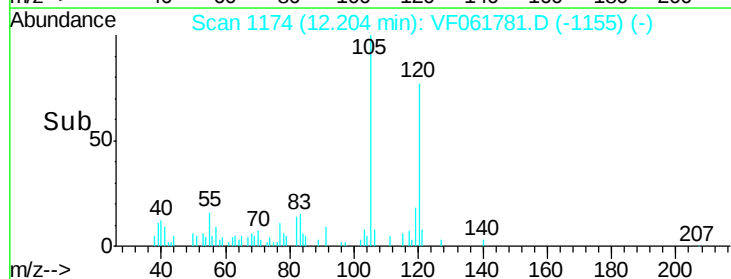
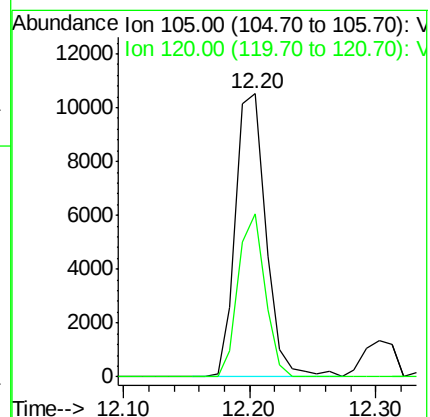
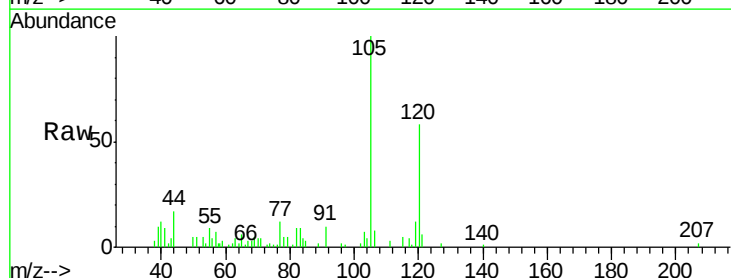
Acq: 27 Feb 2019 22:18

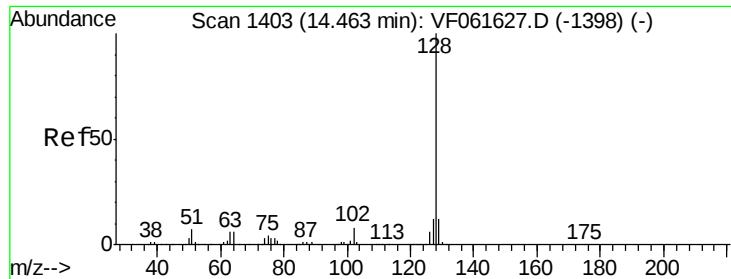
Tgt Ion:105 Resp: 17625

Ion Ratio Lower Upper

105 100

120 57.8 26.1 78.3





#95

Naphthalene

Concen: 1.696 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF061781.D

Acq: 27 Feb 2019 22:18

Instrument :

MSVOA_F

ClientSampleId :

TR-05-022719

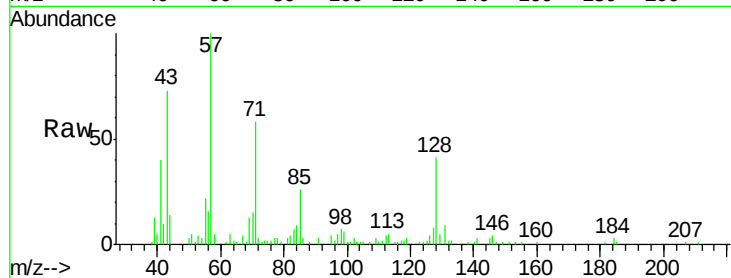
Tot Ion:128 Resp: 11942

Ion Ratio Lower Upper

128 100

127 20.6 9.8 14.6#

129 12.5 9.4 14.2



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

