

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062669.D
 Acq On : 20 May 2019 19:13
 Operator : FY/SY
 Sample : K2896-02
 Misc : 3.34g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-18-S2

Quant Time: May 21 02:21:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	651222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1026105	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	513944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	124759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	157070	34.13	ug/l	0.00
Spiked Amount			Recovery	=	68.26%	
35) Dibromofluoromethane	4.32	113	298164	37.97	ug/l	0.00
Spiked Amount			Recovery	=	75.94%	
50) Toluene-d8	7.72	98	555336	29.62	ug/l	0.00
Spiked Amount			Recovery	=	59.24%	
62) 4-Bromofluorobenzene	11.50	95	113620	15.98	ug/l	0.00
Spiked Amount			Recovery	=	31.96%	

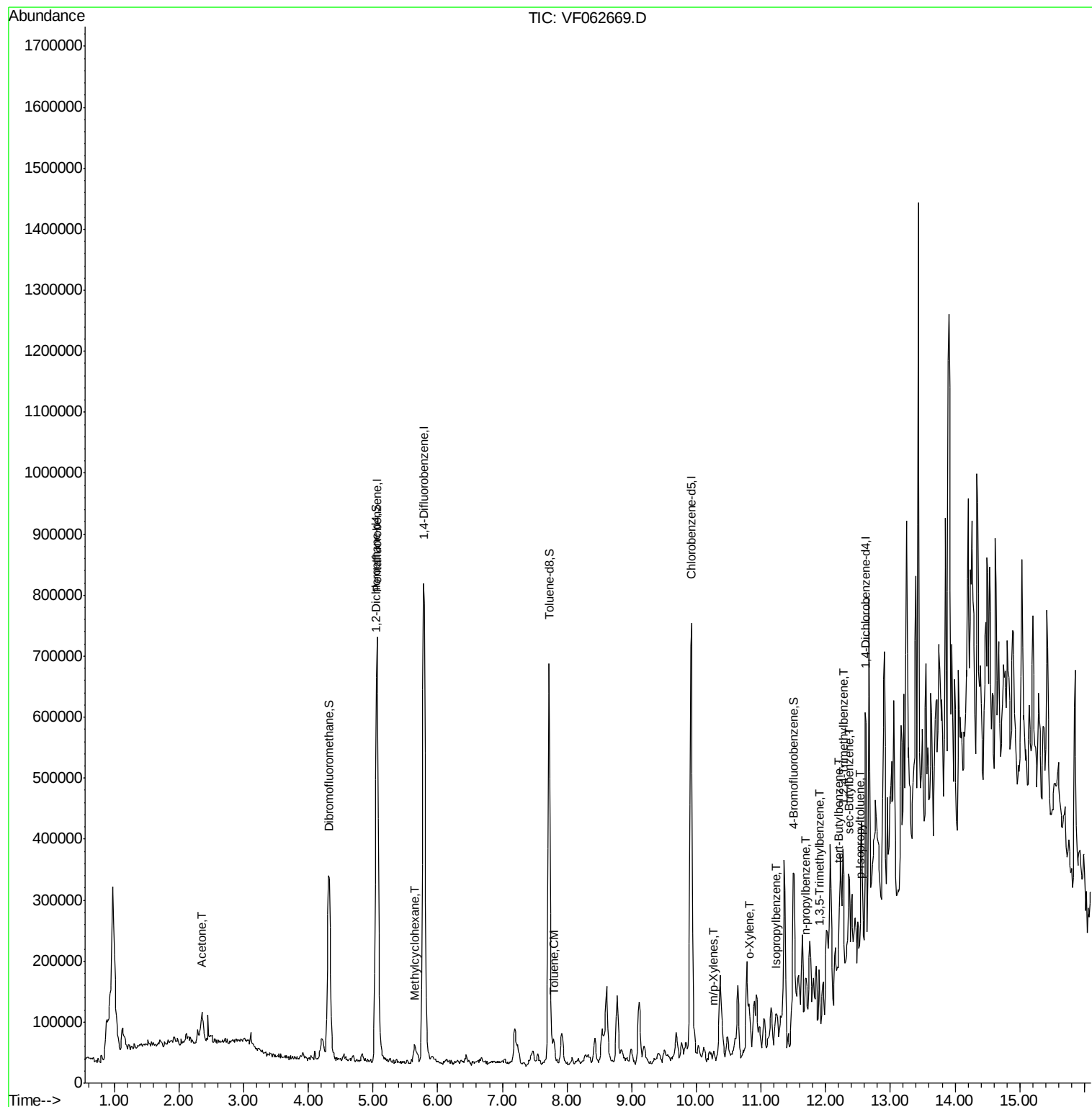
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.35	43	50925	42.655	ug/l	92
39) Methylcyclohexane	5.65	83	19480	1.540	ug/l #	92
52) Toluene	7.79	92	16755	1.115	ug/l	97
68) m/p-Xylenes	10.27	106	7601	1.153	ug/l	83
69) o-Xylene	10.83	106	10805	1.592	ug/l	94
73) Isopropylbenzene	11.22	105	31166	3.485	ug/l	94
78) n-propylbenzene	11.68	91	23567	2.227	ug/l	90
80) 1,3,5-Trimethylbenzene	11.90	105	17635	2.460	ug/l	92
83) tert-Butylbenzene	12.20	119	17578	2.416	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	35475	5.112	ug/l	85
85) sec-Butylbenzene	12.38	105	53226	5.452	ug/l	92
86) p-Isopropyltoluene	12.52	119	12144m	1.476	ug/l	

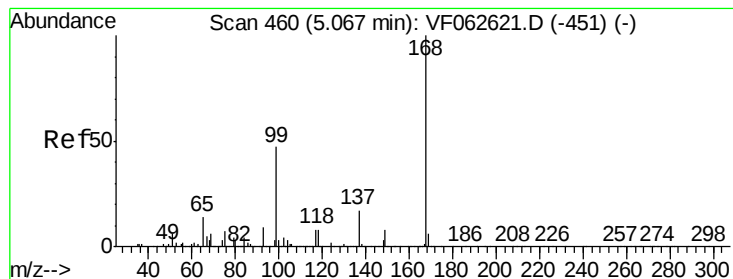
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampleId :

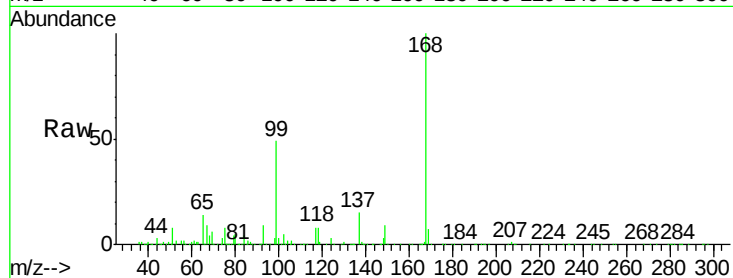
TP-18-S2

Tot Ion:168 Resp: 651222

Ion Ratio Lower Upper

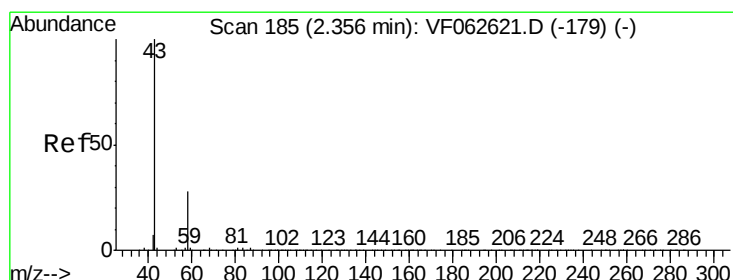
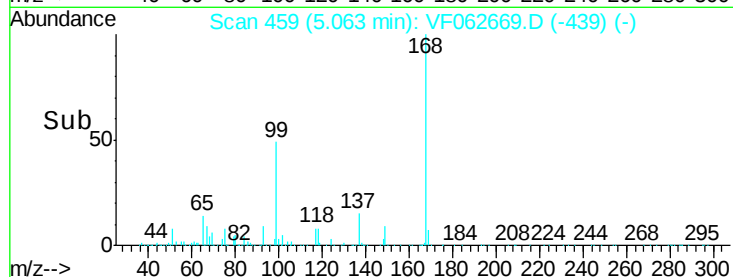
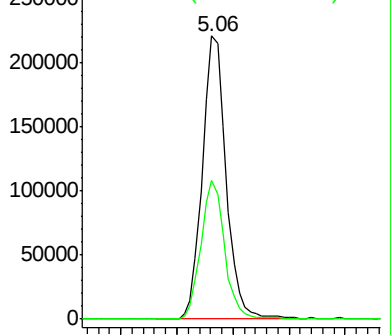
168 100

99 49.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 42.655 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062669.D

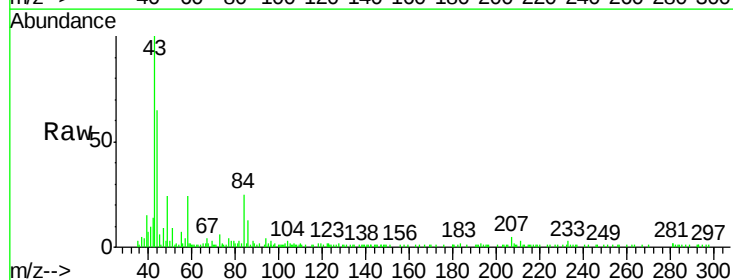
Acq: 20 May 2019 19:13

Tgt Ion: 43 Resp: 50925

Ion Ratio Lower Upper

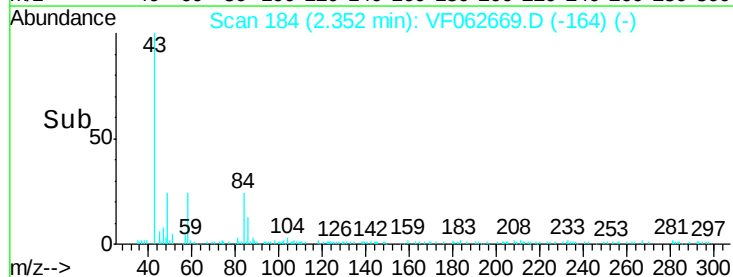
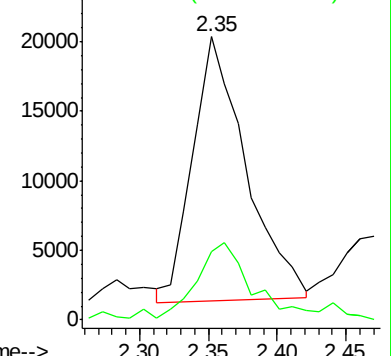
43 100

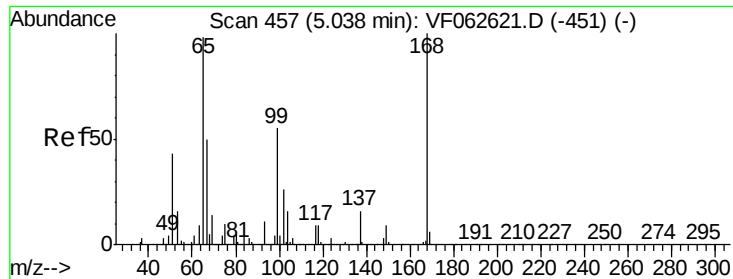
58 24.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 34.132 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampled :

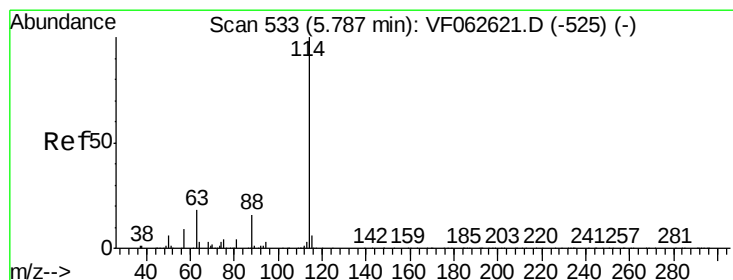
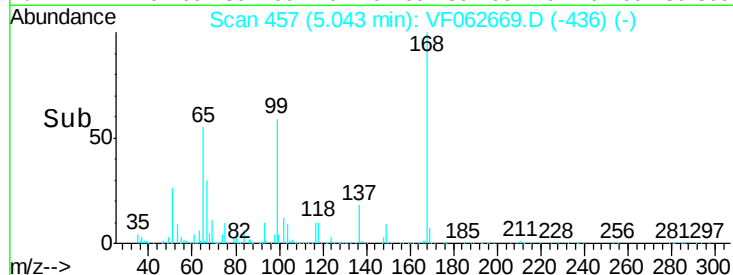
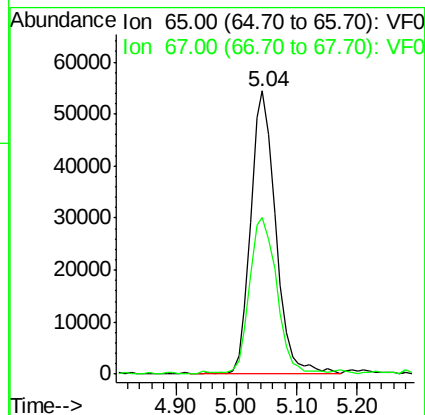
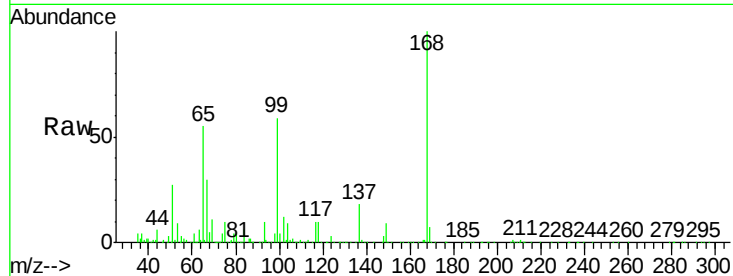
TP-18-S2

Tot Ion: 65 Resp: 157070

Ion Ratio Lower Upper

65 100

67 55.3 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

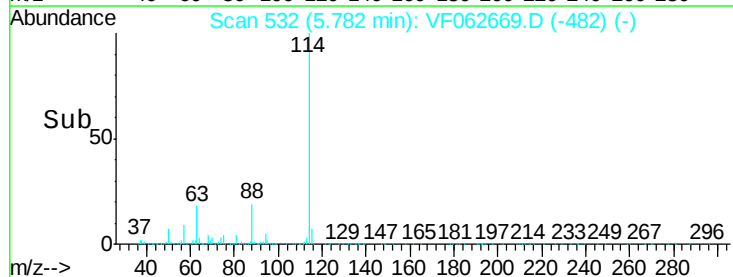
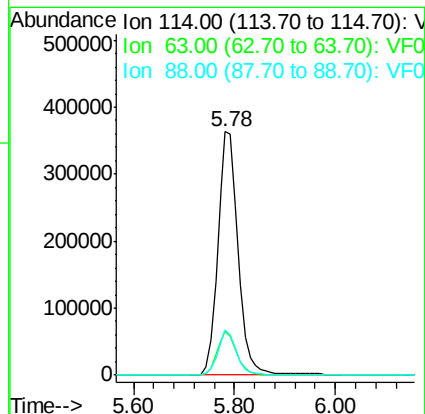
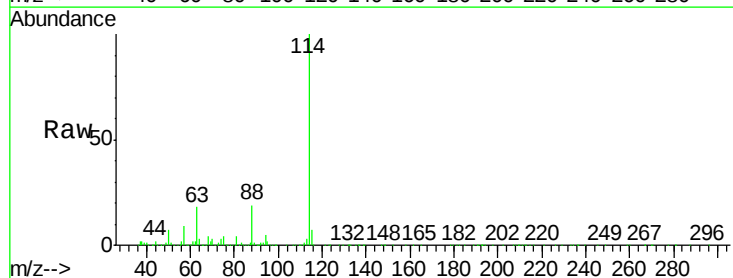
Tgt Ion:114 Resp: 1026105

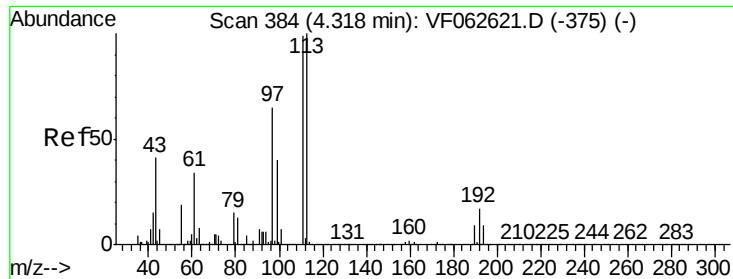
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 18.7 0.0 32.4

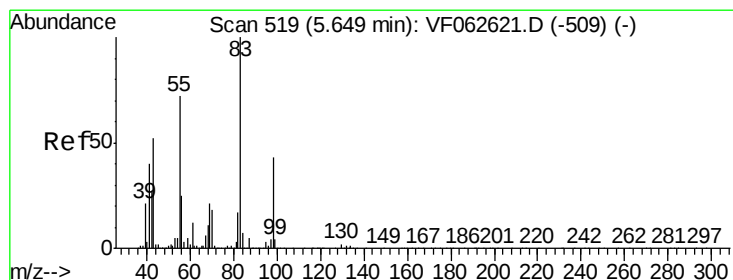
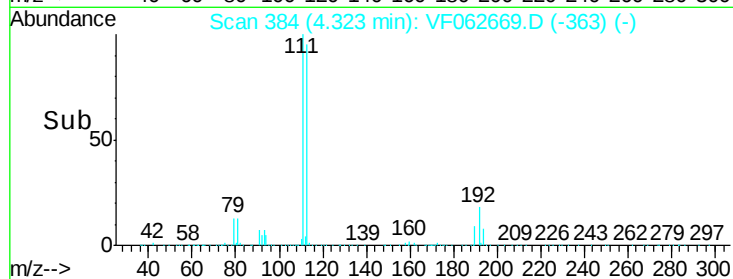
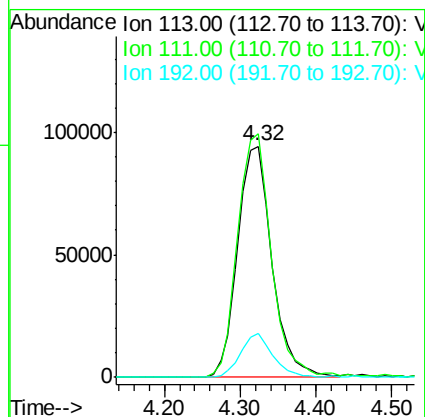
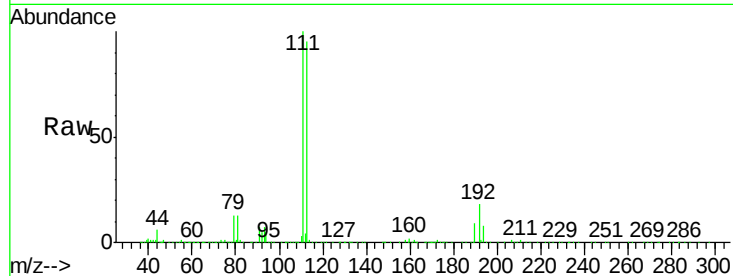




#35
 Dibromofluoromethane
 Concen: 37.974 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062669.D
 Acq: 20 May 2019 19:13

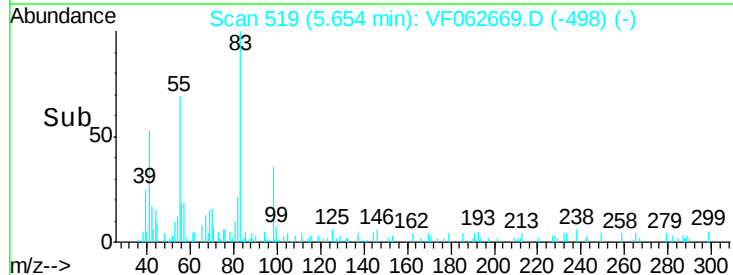
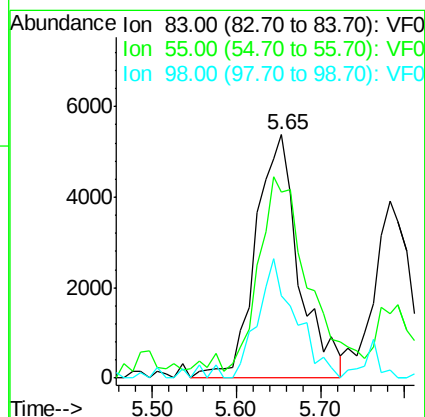
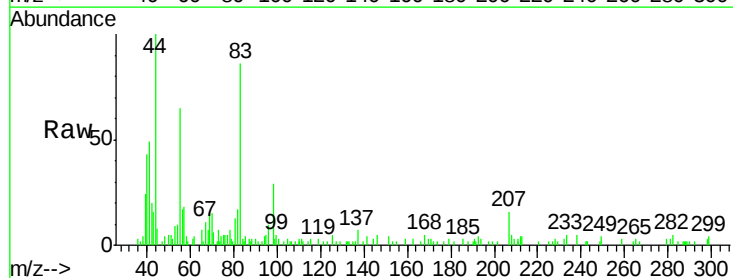
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-18-S2

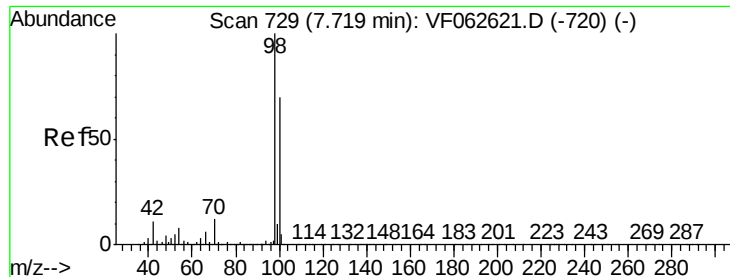
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	79.4	119.2
192	18.9	13.4	20.2



#39
 Methylcyclohexane
 Concen: 1.540 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF062669.D
 Acq: 20 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	57.9	86.9
98	34.0	34.6	52.0#





#50

Toluene-d8

Concen: 29.623 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampleId :

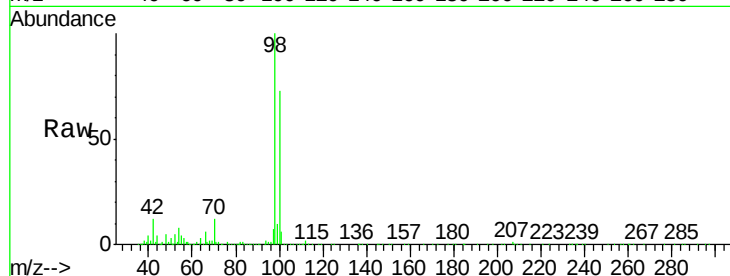
TP-18-S2

Tot Ion: 98 Resp: 555336

Ion Ratio Lower Upper

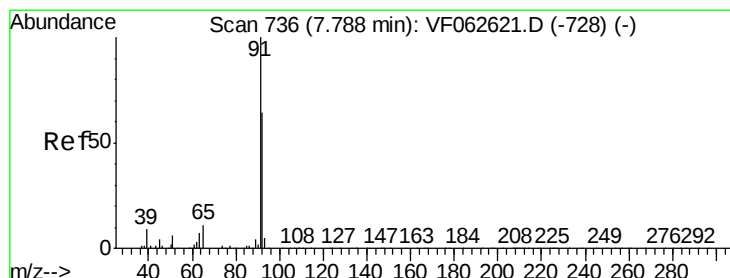
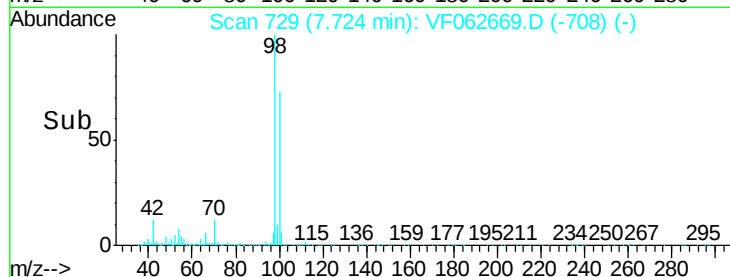
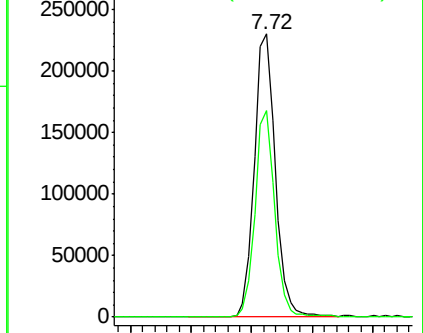
98 100

100 72.8 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 1.115 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062669.D

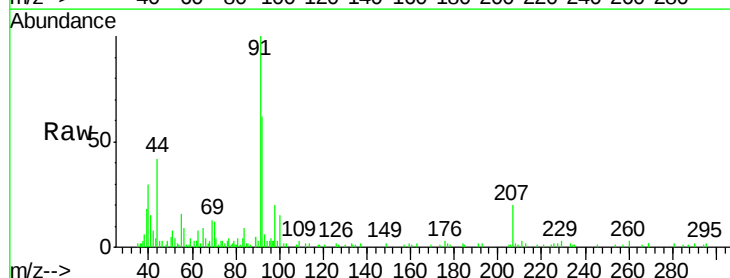
Acq: 20 May 2019 19:13

Tgt Ion: 92 Resp: 16755

Ion Ratio Lower Upper

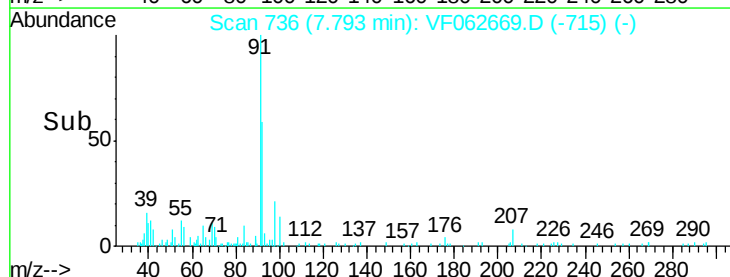
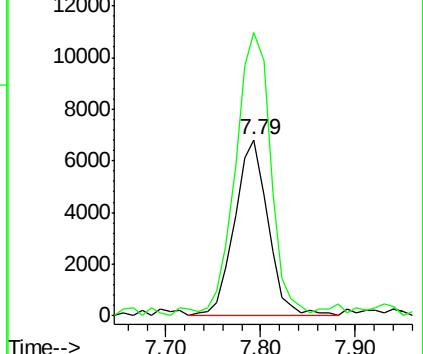
92 100

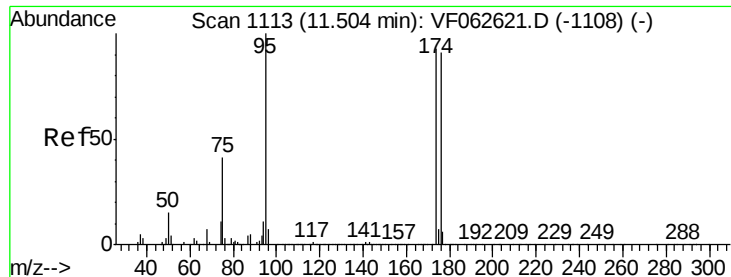
91 160.4 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 15.980 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampleId :

TP-18-S2

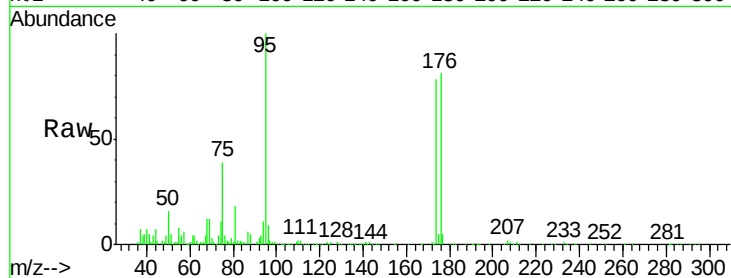
Tot Ion: 95 Resp: 113620

Ion Ratio Lower Upper

95 100

174 78.0 0.0 185.6

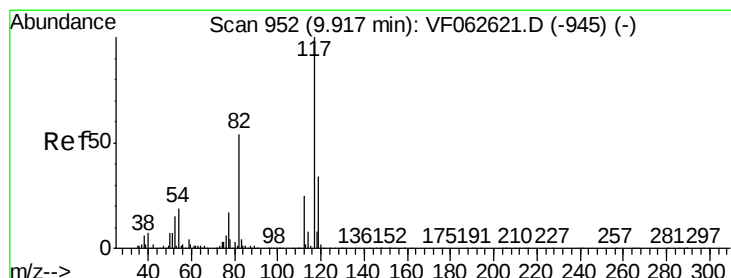
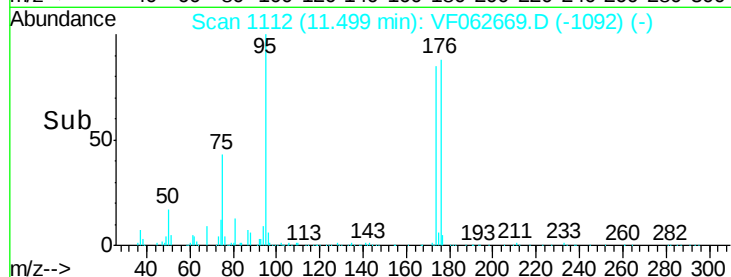
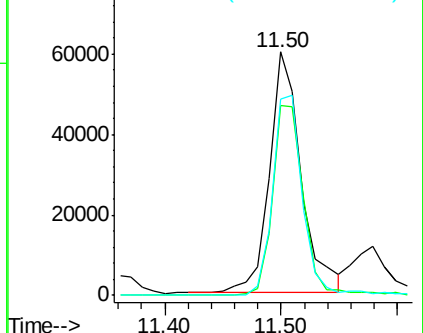
176 80.8 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

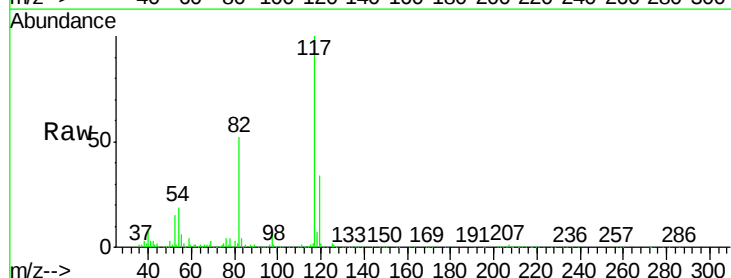
Tgt Ion: 117 Resp: 513944

Ion Ratio Lower Upper

117 100

82 52.4 43.3 64.9

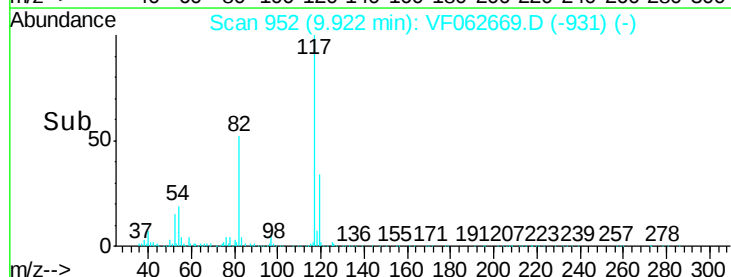
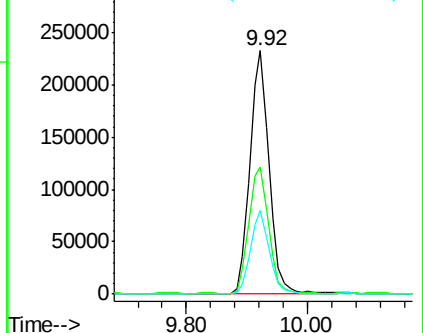
119 34.1 27.4 41.0

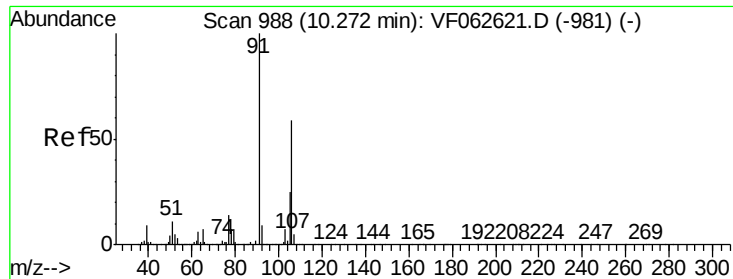


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

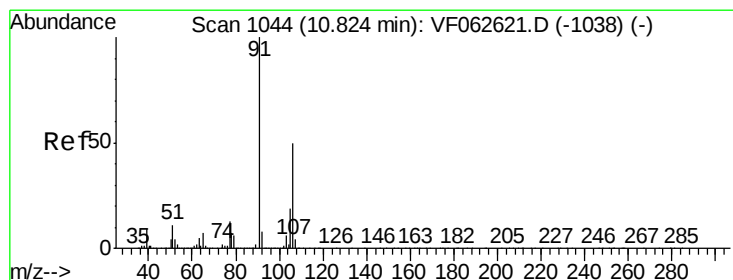
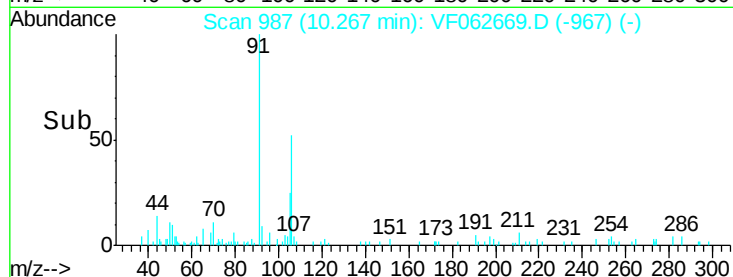
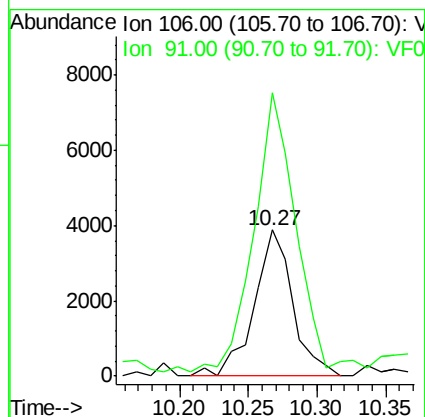
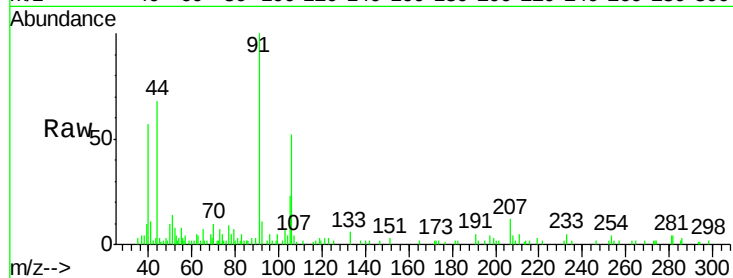




#68
m/p-Xylenes
Concen: 1.153 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062669.D
Acq: 20 May 2019 19:13

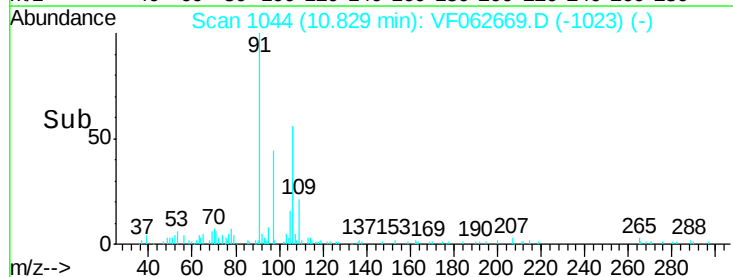
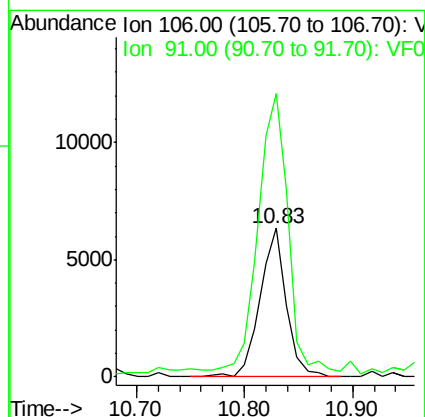
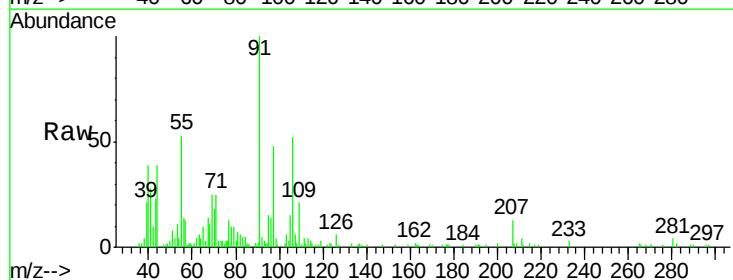
Instrument :
MSVOA_F
ClientSampleId :
TP-18-S2

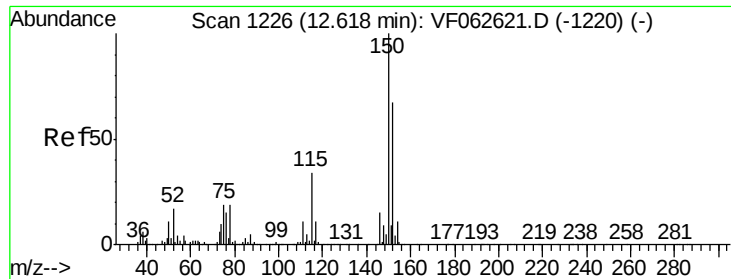
Tot Ion:106 Resp: 7601
Ion Ratio Lower Upper
106 100
91 194.1 136.9 205.3



#69
o-Xylene
Concen: 1.592 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062669.D
Acq: 20 May 2019 19:13

Tgt Ion:106 Resp: 10805
Ion Ratio Lower Upper
106 100
91 190.5 100.2 300.5



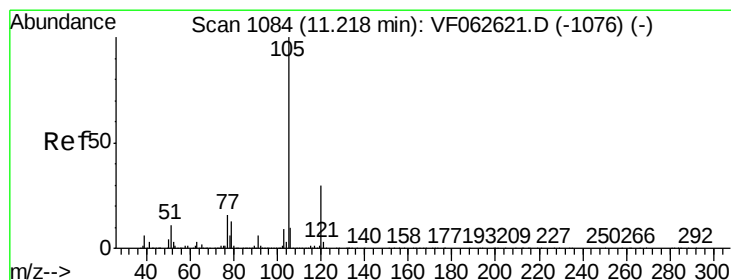
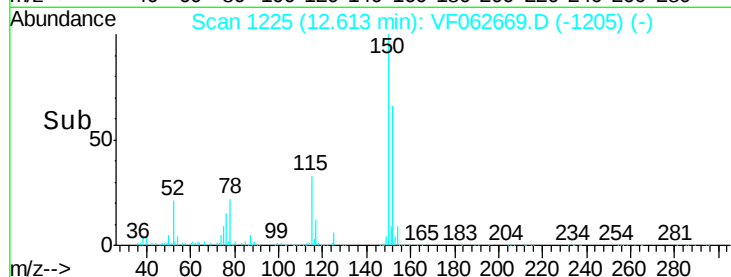
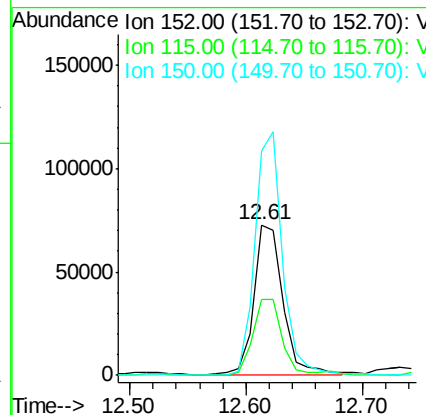
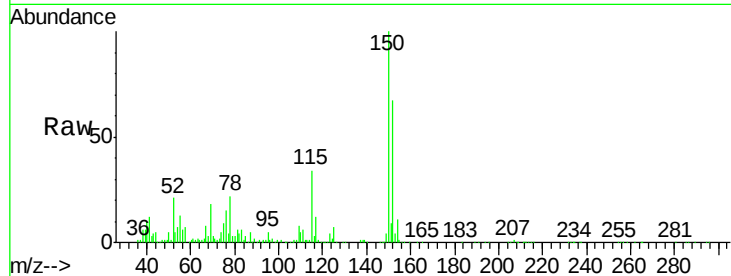


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062669.D
Acq: 20 May 2019 19:13

Instrument :
MSVOA_F
ClientSampleId :
TP-18-S2

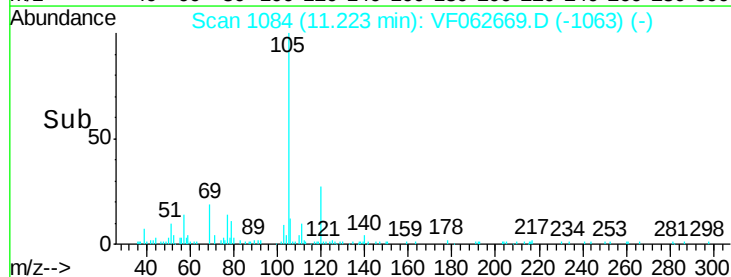
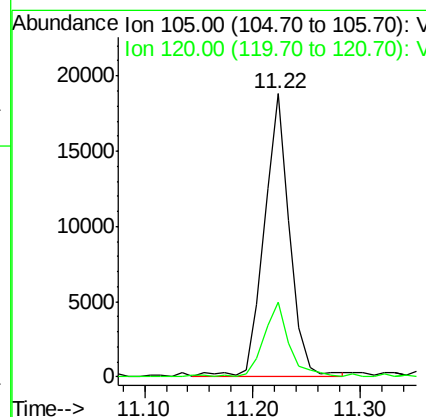
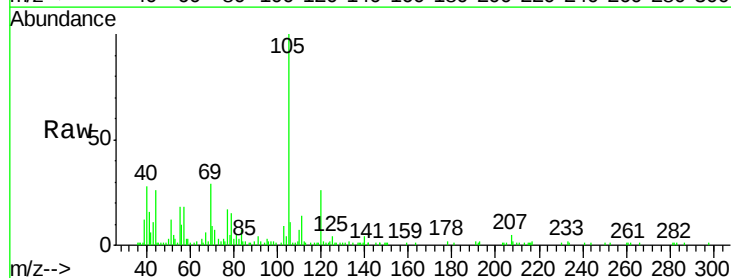
Tot Ion	Ratio	Lower	Upper
152	100		
115	50.2	25.2	75.6
150	149.4	0.0	306.2

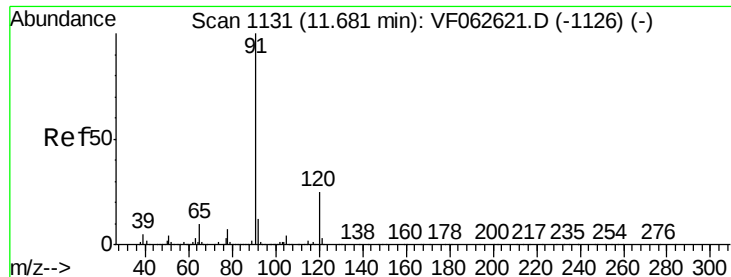


#73

Isopropylbenzene
Concen: 3.485 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VF062669.D
Acq: 20 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	14.8	44.4





#78

n-propylbenzene

Concen: 2.227 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampleId :

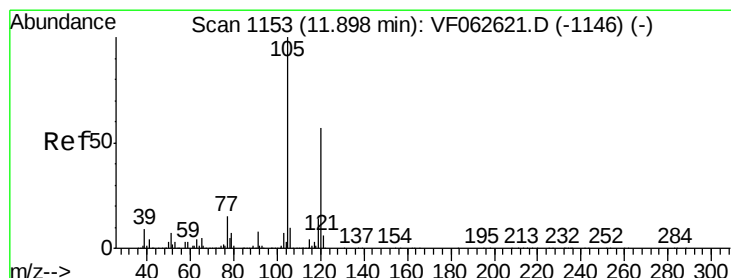
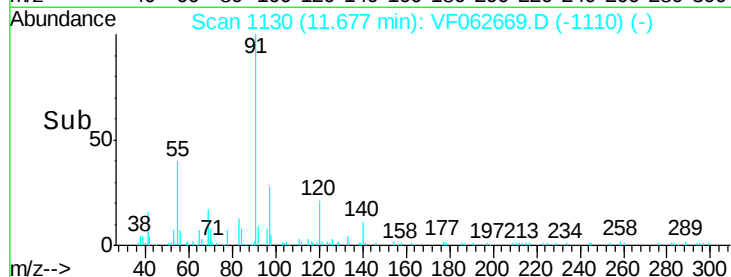
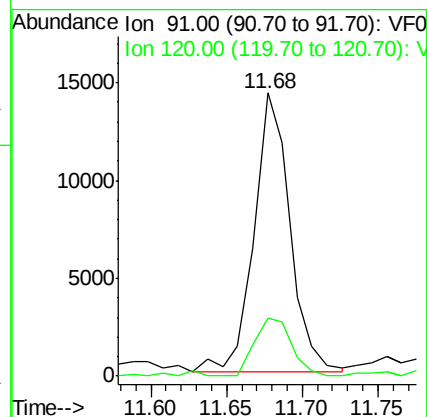
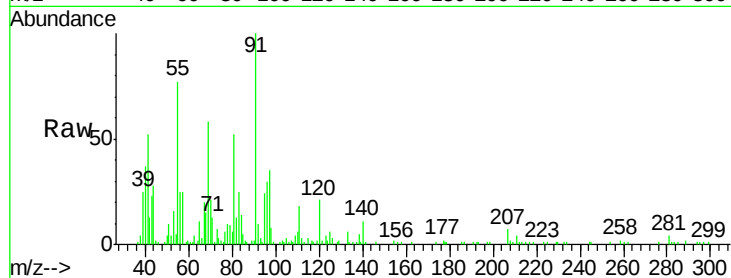
TP-18-S2

Tot Ion: 91 Resp: 23567

Ion Ratio Lower Upper

91 100

120 20.5 12.7 38.1



#80

1,3,5-Trimethylbenzene

Concen: 2.460 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062669.D

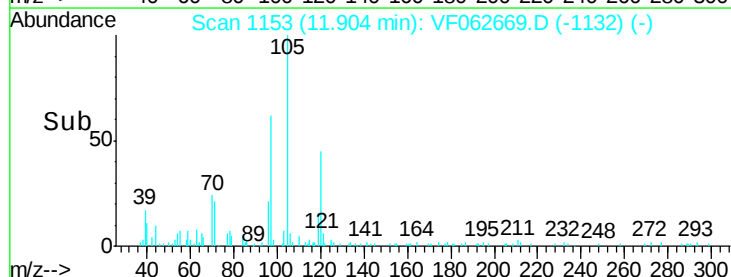
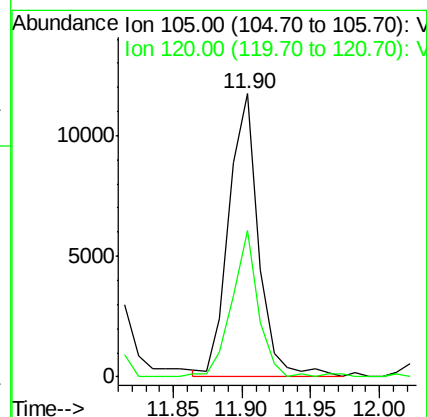
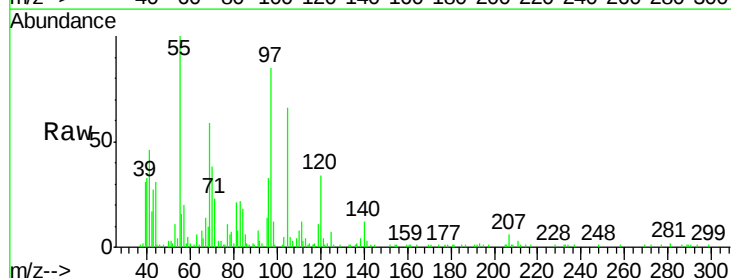
Acq: 20 May 2019 19:13

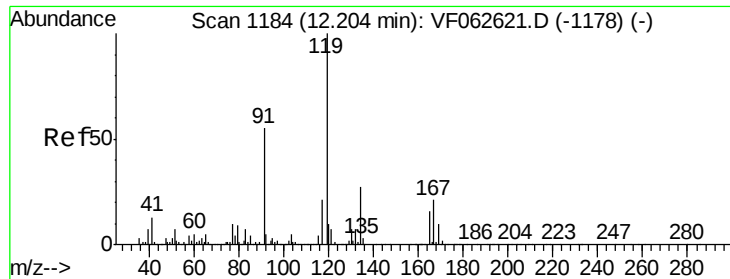
Tgt Ion:105 Resp: 17635

Ion Ratio Lower Upper

105 100

120 51.6 28.7 86.3





#83

tert-Butylbenzene

Concen: 2.416 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062669.D

Acq: 20 May 2019 19:13

Instrument :

MSVOA_F

ClientSampleId :

TP-18-S2

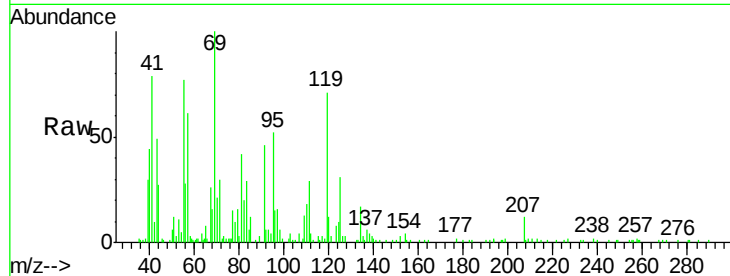
Tot Ion:119 Resp: 17578

Ion Ratio Lower Upper

119 100

91 64.8 27.3 81.9

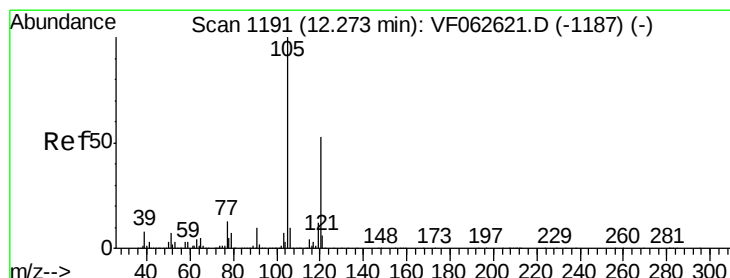
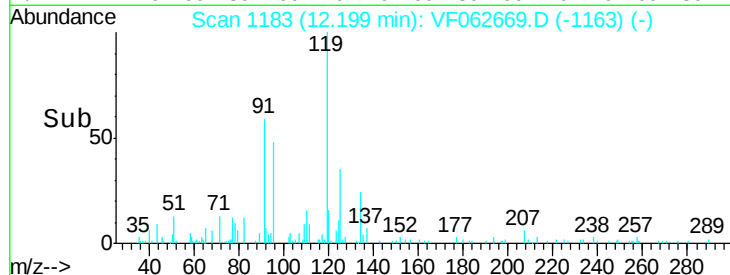
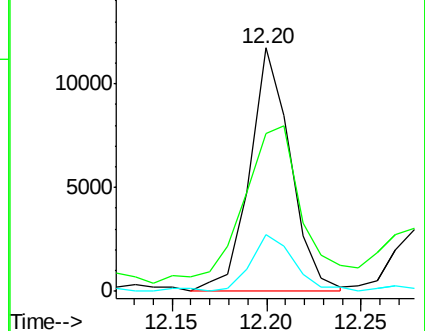
134 23.3 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.112 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062669.D

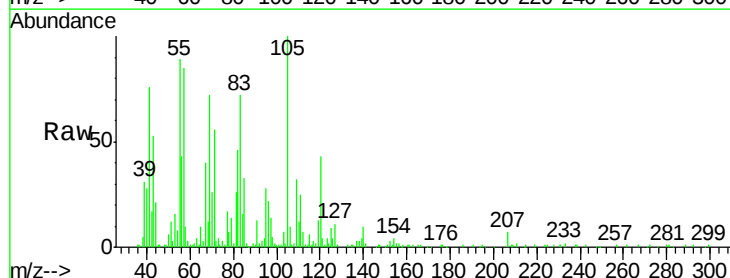
Acq: 20 May 2019 19:13

Tgt Ion:105 Resp: 35475

Ion Ratio Lower Upper

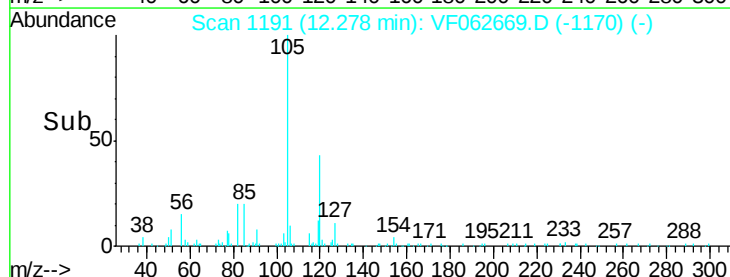
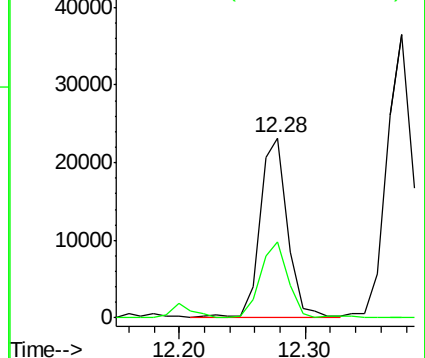
105 100

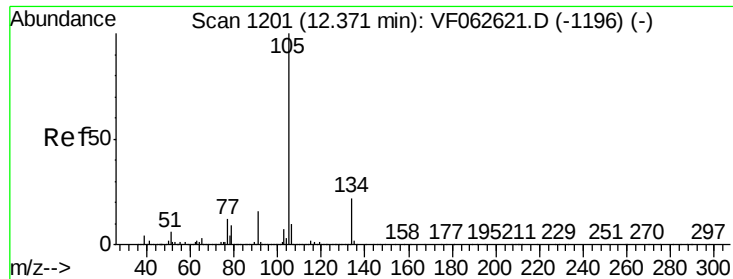
120 42.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

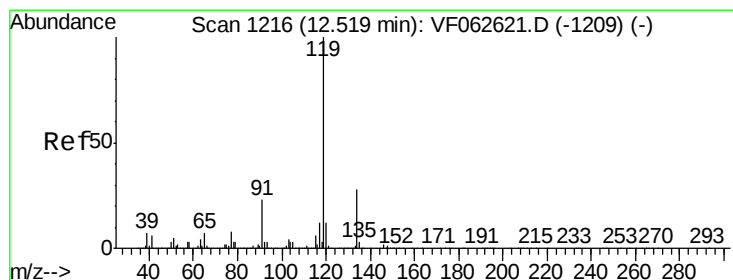
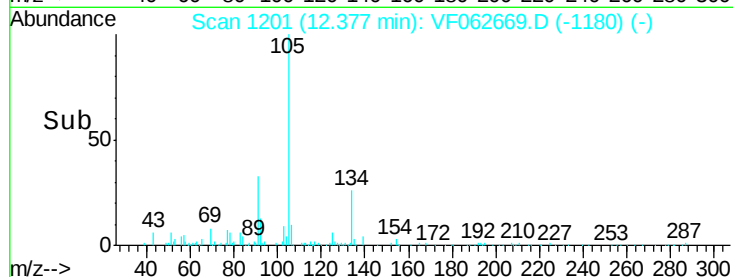
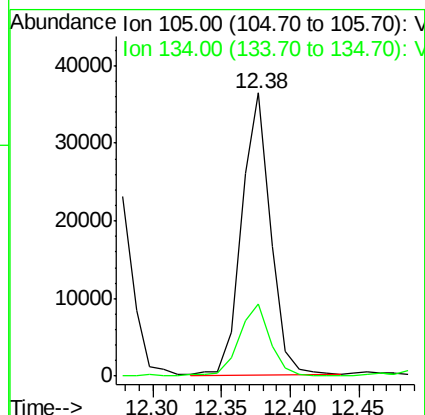
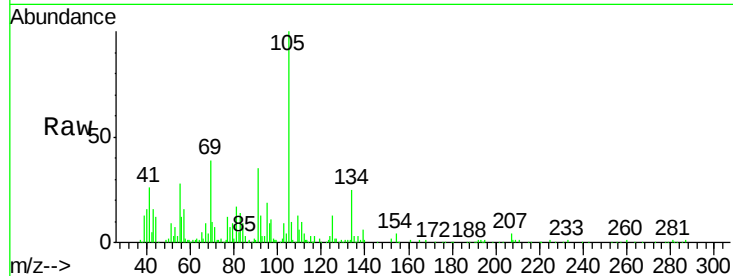




#85
 sec-Butylbenzene
 Concen: 5.452 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062669.D
 Acq: 20 May 2019 19:13

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-18-S2

Tot Ion:105 Resp: 53226
 Ion Ratio Lower Upper
 105 100
 134 25.5 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 1.476 ug/l m
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062669.D
 Acq: 20 May 2019 19:13

Tgt Ion:119 Resp: 12144
 Ion Ratio Lower Upper
 119 100
 134 27.8 14.1 42.3
 91 34.9 11.4 34.2#

