

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
 Data File : VF061155.D
 Acq On : 22 Dec 2018 20:19
 Operator : VA/AP
 Sample : J6469-01RE
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DRUM-1RE

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:05:58 AM

Quant Time: Dec 24 03:54:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	214060	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	420446	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	299603	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	75783	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	144310	52.42	ug/l	0.01
Spiked Amount 50.000			Recovery =	104.84%		
35) Dibromofluoromethane	4.13	113	164875	48.95	ug/l	0.01
Spiked Amount 50.000			Recovery =	97.90%		
50) Toluene-d8	7.57	98	335402	35.14	ug/l	0.01
Spiked Amount 50.000			Recovery =	70.28%		
62) 4-Bromofluorobenzene	11.43	95	131494	29.88	ug/l	0.01
Spiked Amount 50.000			Recovery =	59.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	9.92	91	70359	6.240	ug/l	97
68) m/p-Xylenes	10.15	106	38842	9.788	ug/l	87
69) o-Xylene	10.73	106	154774	35.167	ug/l	99
73) Isopropylbenzene	11.13	105	87764	13.439	ug/l	95
78) n-propylbenzene	11.61	91	538705	82.921	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	1335233	248.301	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	1295604	241.605	ug/l	97
85) sec-Butylbenzene	12.32	105	307919	42.640	ug/l	87
86) p-Isopropyltoluene	12.47	119	157633m	26.298	ug/l	
95) Naphthalene	14.48	128	114976m	35.326	ug/l	

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

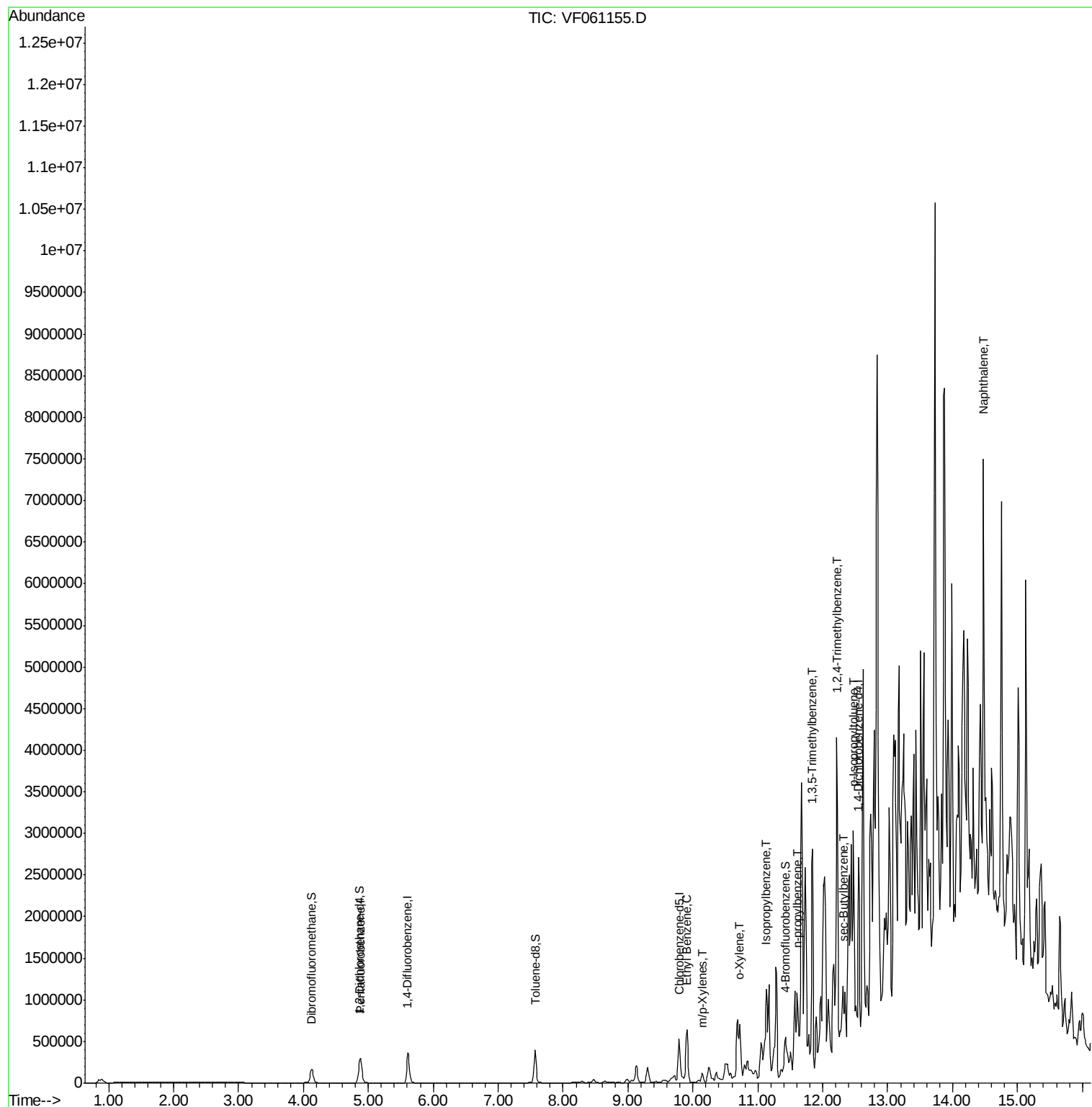
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
Data File : VF061155.D
Acq On : 22 Dec 2018 20:19
Operator : VA/AP
Sample : J6469-01RE
Misc : 5.04g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

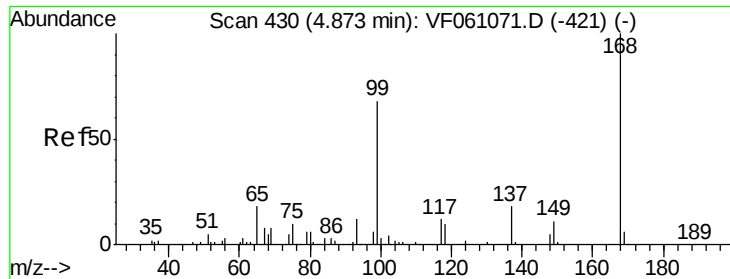
Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

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Quant Time: Dec 24 03:54:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
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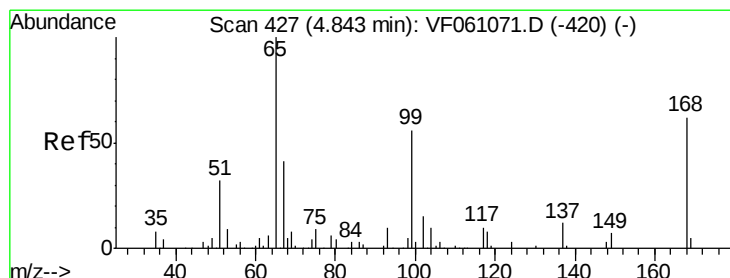
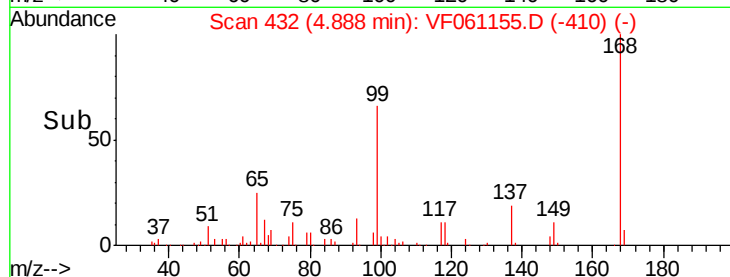
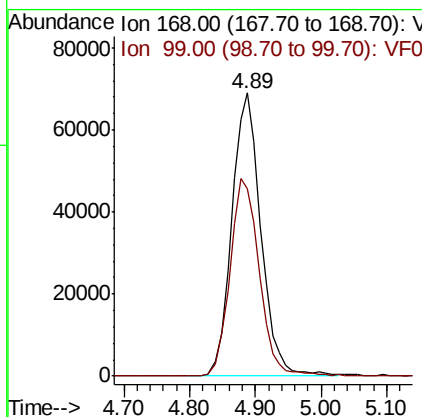
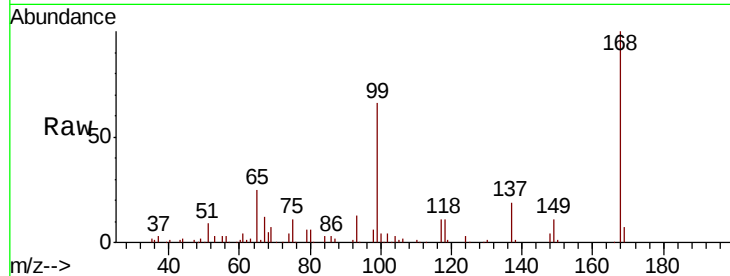
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

Tgt Ion	Ratio	Lower	Upper
168	100		
99	66.4	54.4	81.6

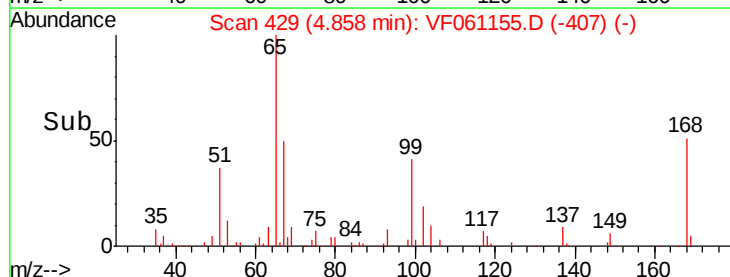
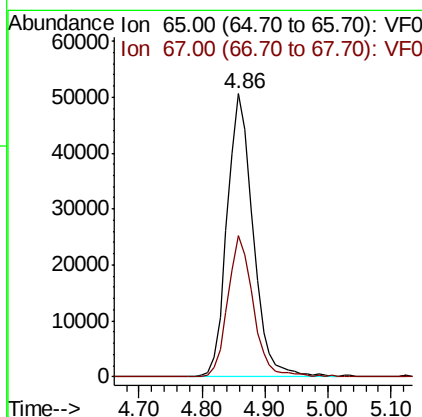
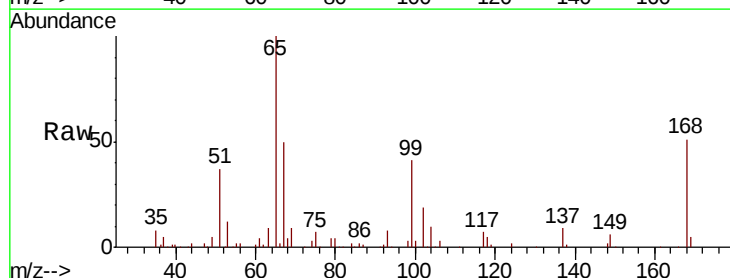
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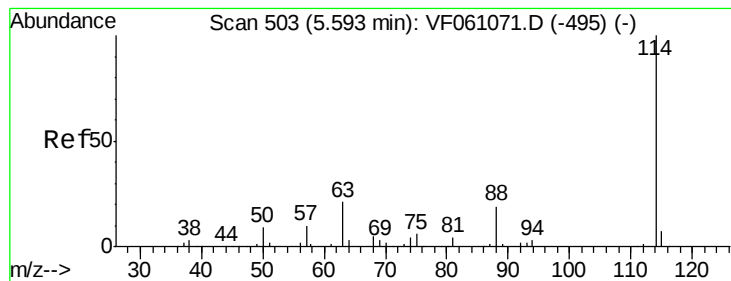
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#33
1,2-Dichloroethane-d4
Concen: 52.416 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061155.D

Acq: 22 Dec 2018 20:19

Instrument :

MSVOA_F

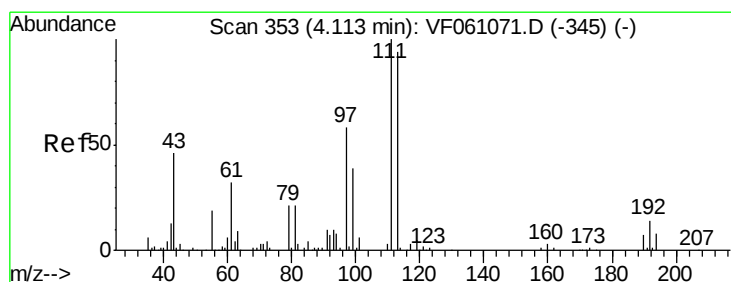
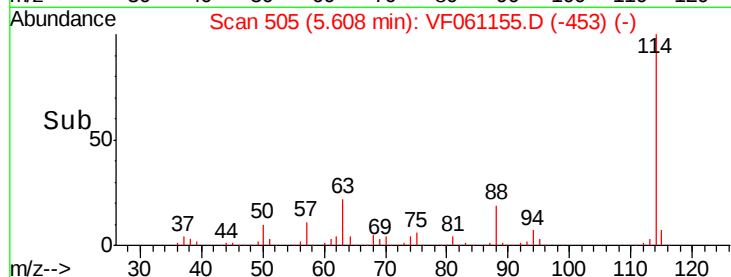
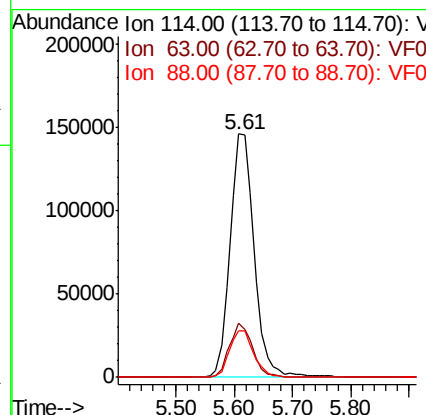
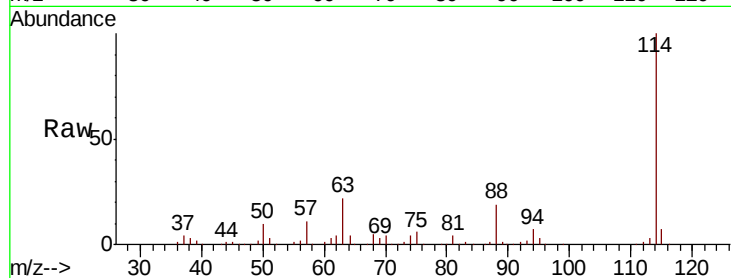
ClientSampleId :

DRUM-1RE

Tgt Ion:	114	Resp:	420446
Ion Ratio	Lower	Upper	
114	100		
63	22.2	0.0	41.6
88	19.1	0.0	38.0

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#35

Dibromofluoromethane

Concen: 48.953 ug/l

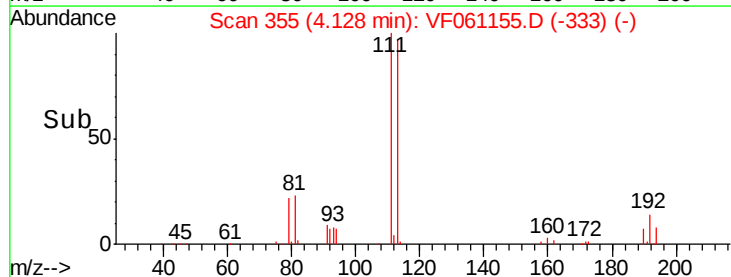
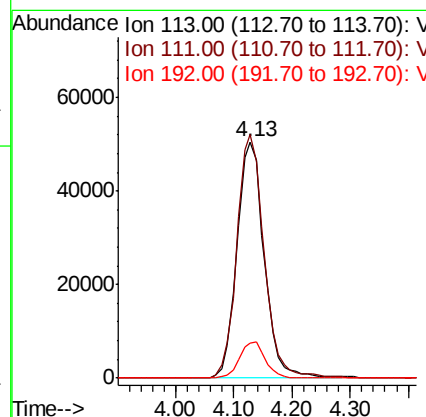
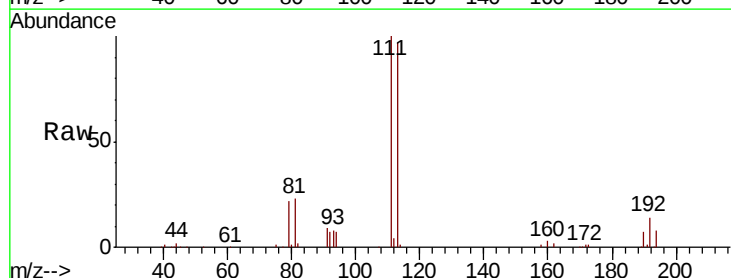
RT: 4.13 min Scan# 355

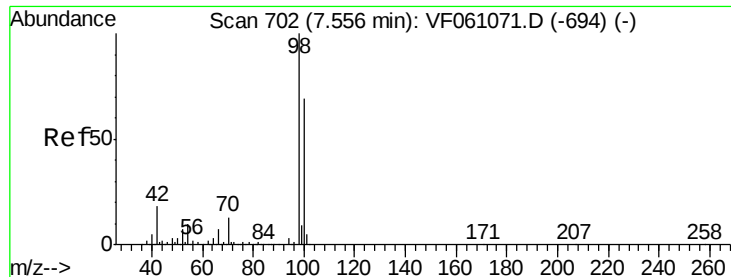
Delta R.T. 0.01 min

Lab File: VF061155.D

Acq: 22 Dec 2018 20:19

Tgt Ion:	113	Resp:	164875
Ion Ratio	Lower	Upper	
113	100		
111	103.2	85.2	127.8
192	14.6	12.8	19.2





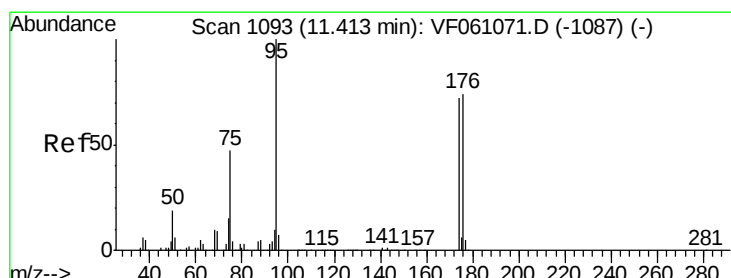
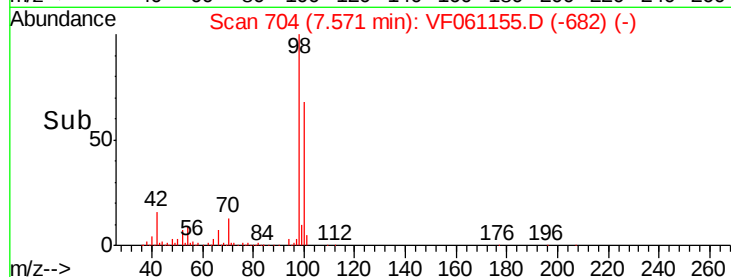
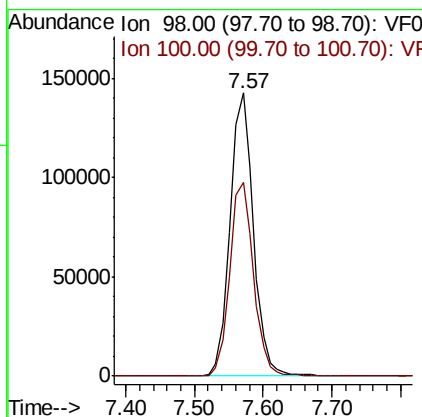
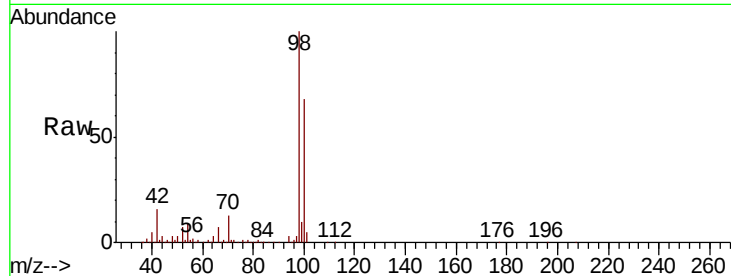
#50
Toluene-d8
Concen: 35.141 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

Tgt Ion: 98 Resp: 335402
Ion Ratio Lower Upper
98 100
100 68.3 55.3 82.9

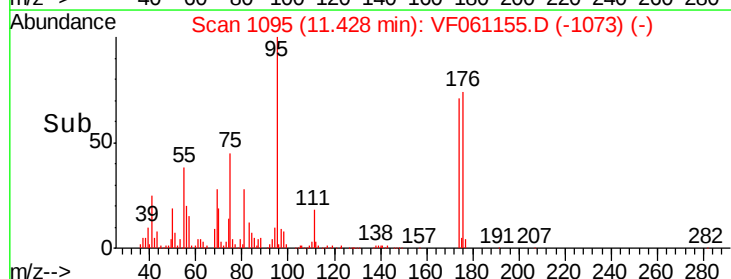
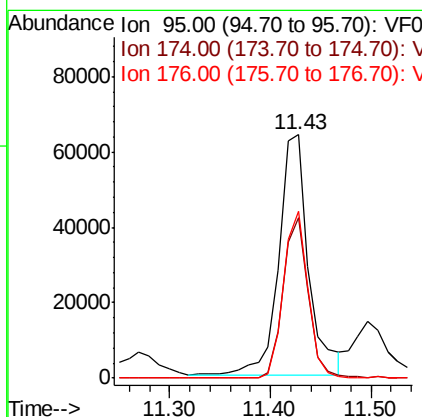
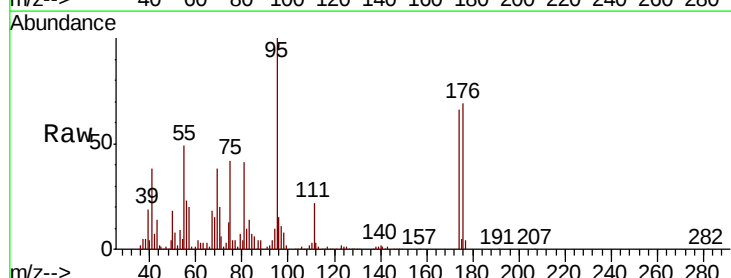
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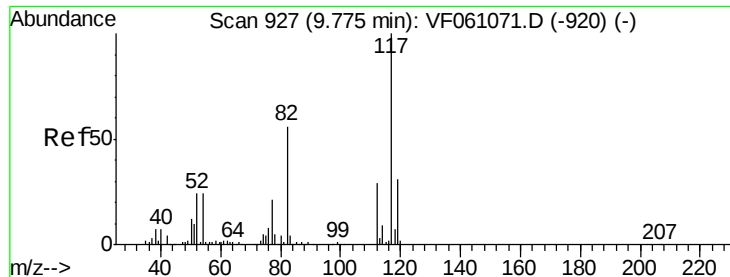
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#62
4-Bromofluorobenzene
Concen: 29.884 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Tgt Ion: 95 Resp: 131494
Ion Ratio Lower Upper
95 100
174 65.8 0.0 143.8
176 68.7 0.0 147.6





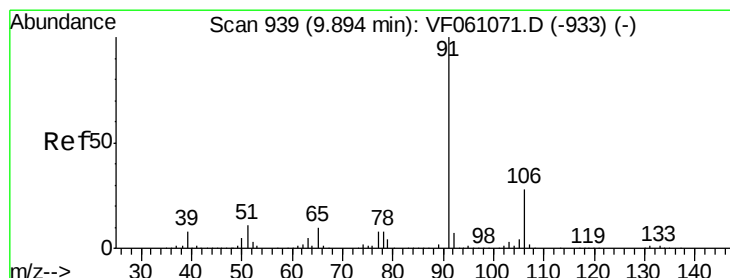
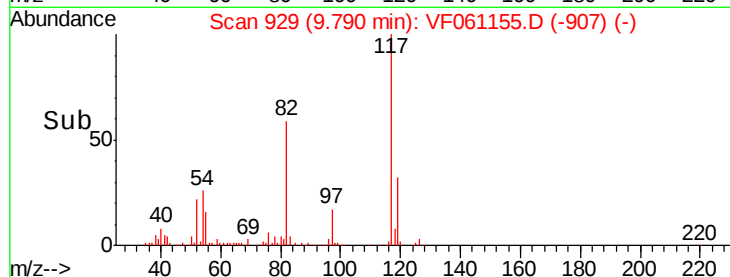
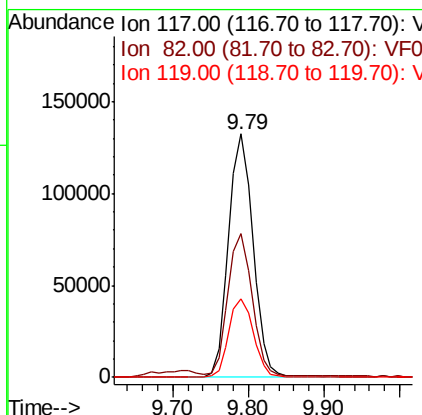
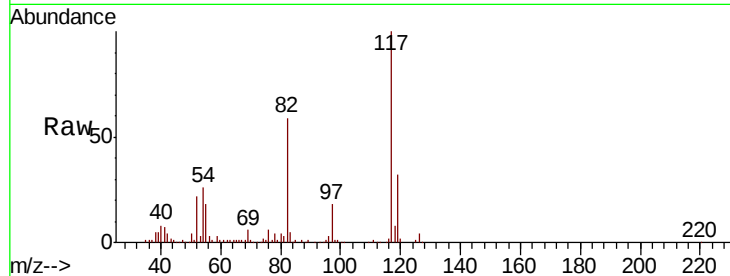
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	299603		
82	59.1	45.0	67.4	
119	32.3	24.8	37.2	

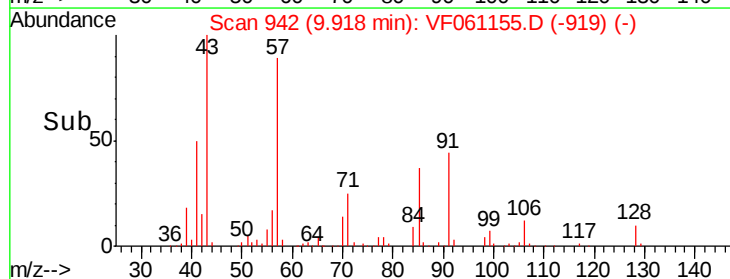
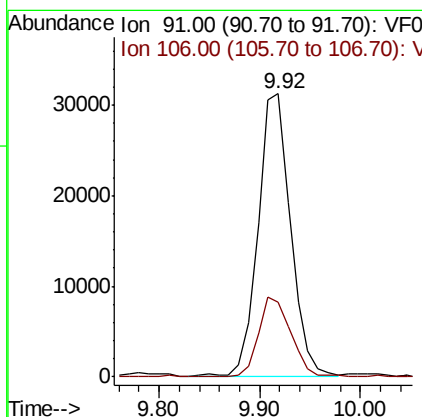
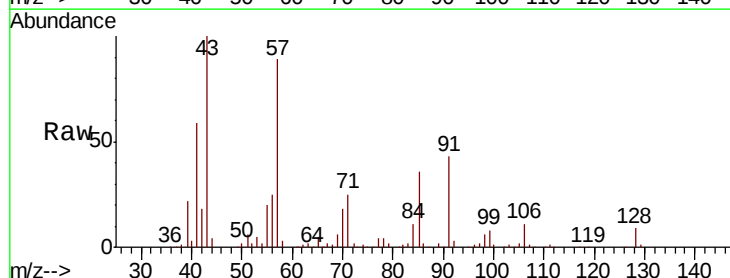
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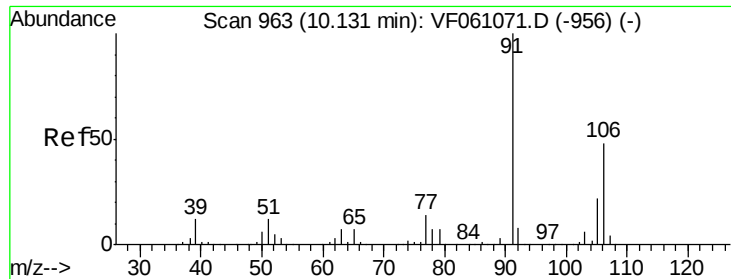
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#67
Ethyl Benzene
Concen: 6.240 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.02 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	70359		
106	26.5	22.5	33.7	





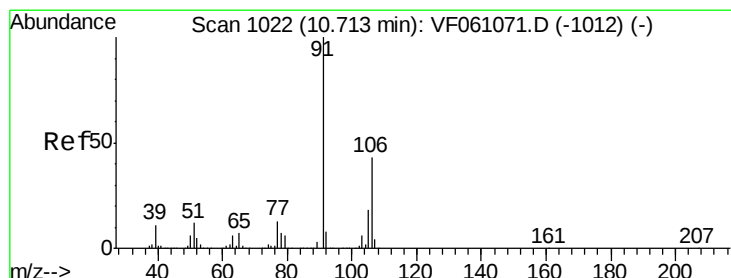
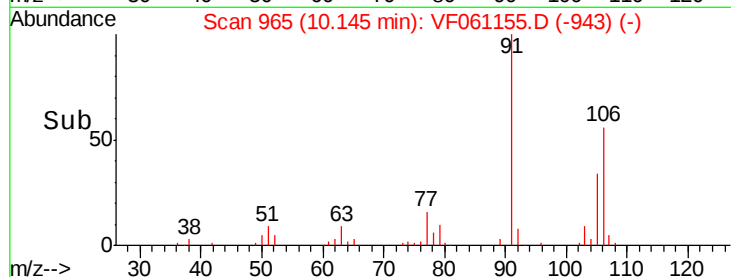
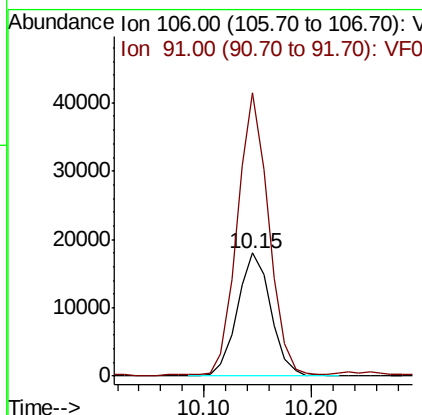
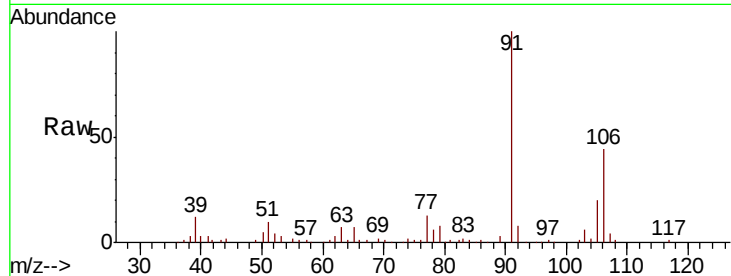
#68
m/p-Xylenes
Concen: 9.788 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

Tgt Ion:106 Resp: 38842
Ion Ratio Lower Upper
106 100
91 229.9 168.2 252.2

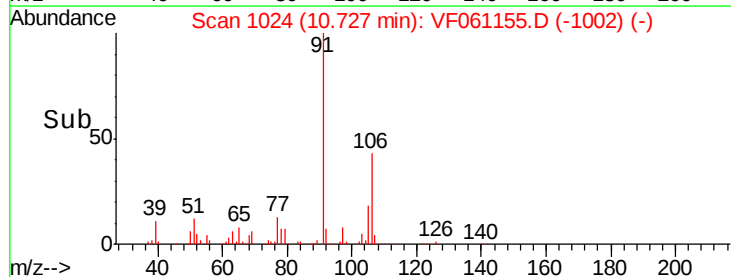
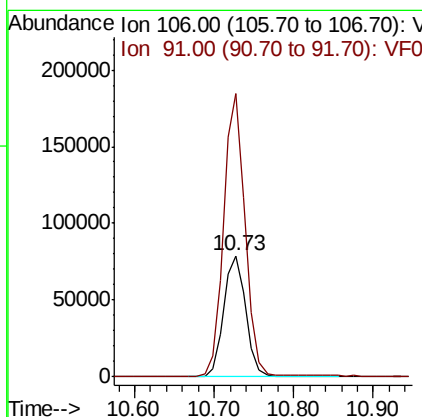
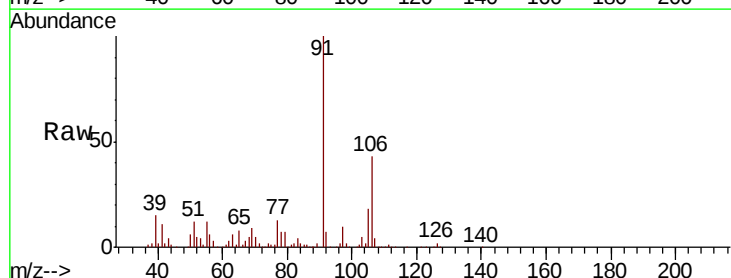
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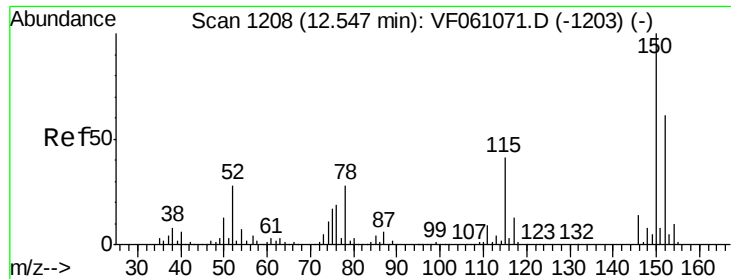
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#69
o-Xylene
Concen: 35.167 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Tgt Ion:106 Resp: 154774
Ion Ratio Lower Upper
106 100
91 233.3 115.9 347.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061155.D

Acq: 22 Dec 2018 20:19

Instrument :

MSVOA_F

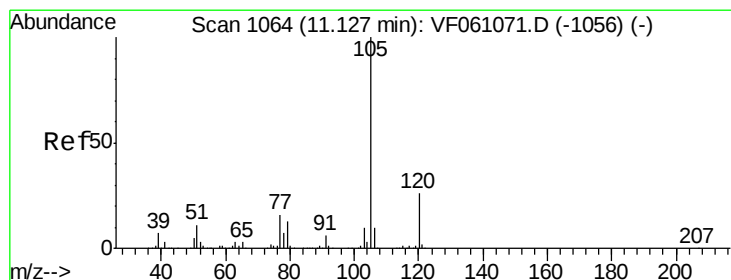
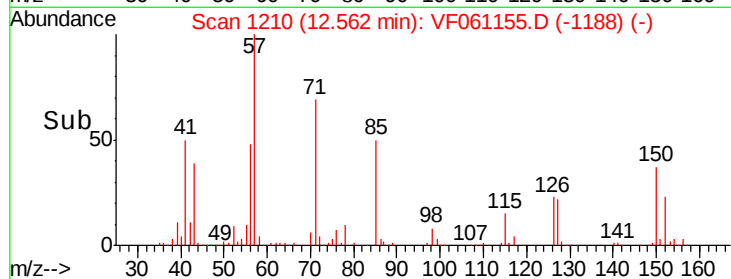
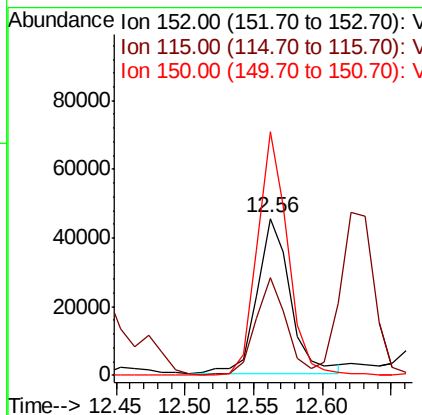
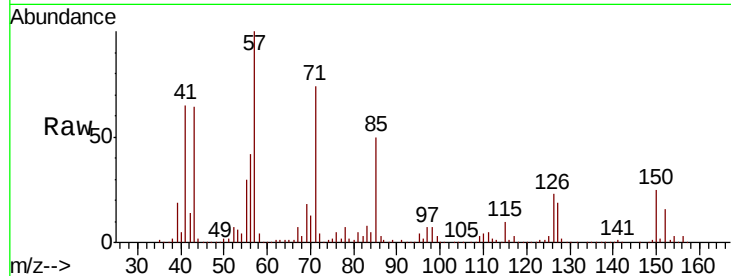
ClientSampleId :

DRUM-1RE

Tgt Ion:	152	Resp:	75783
Ion Ratio	Lower	Upper	
152	100		
115	62.5	33.3	99.9
150	155.4	0.0	328.2

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#73

Isopropylbenzene

Concen: 13.439 ug/l

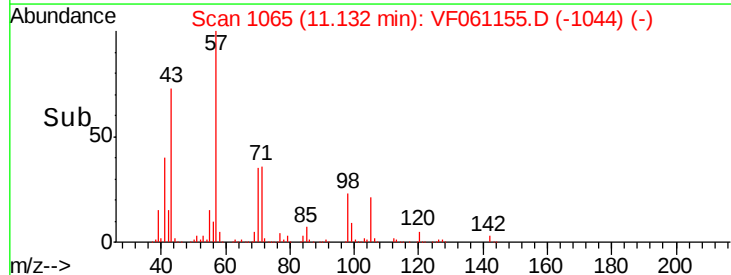
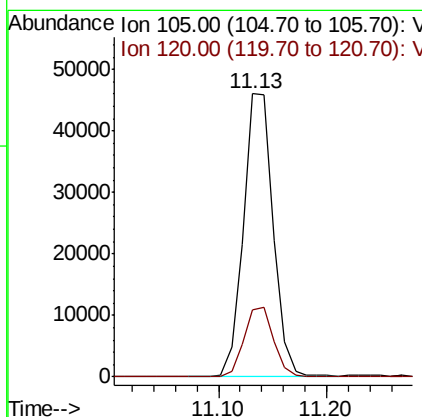
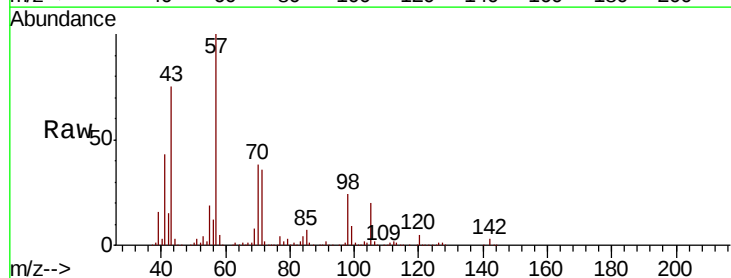
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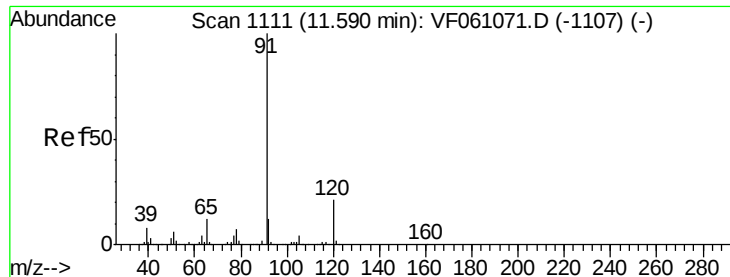
Delta R.T. 0.00 min

Lab File: VF061155.D

Acq: 22 Dec 2018 20:19

Tgt Ion:	105	Resp:	87764
Ion Ratio	Lower	Upper	
105	100		
120	23.5	13.0	39.0





#78

n-propylbenzene

Concen: 82.921 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF061155.D

Acq: 22 Dec 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

DRUM-1RE

Tgt Ion: 91 Resp: 538705

Ion Ratio Lower Upper

91 100

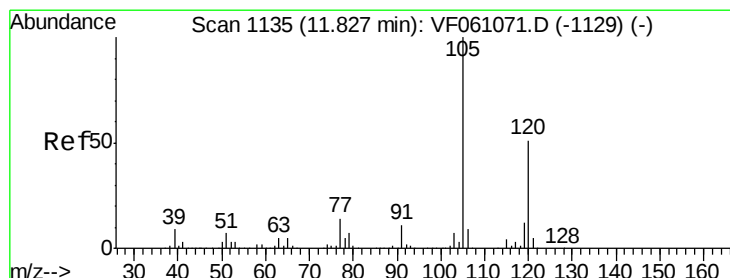
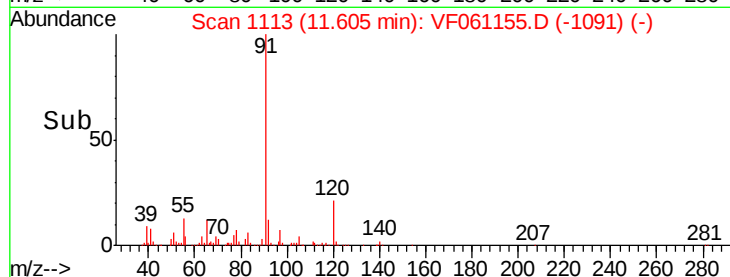
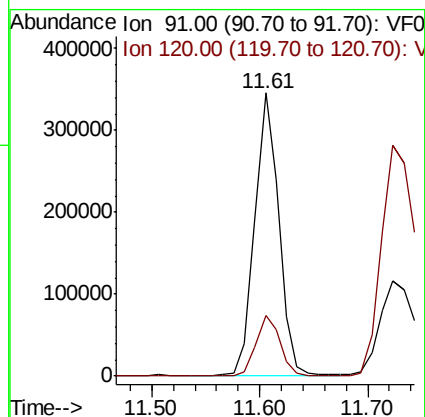
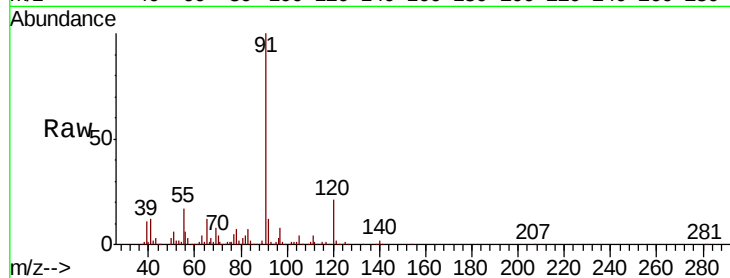
120 21.3 10.4 31.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 248.301 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF061155.D

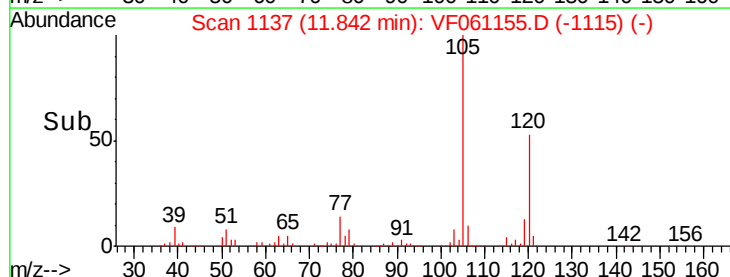
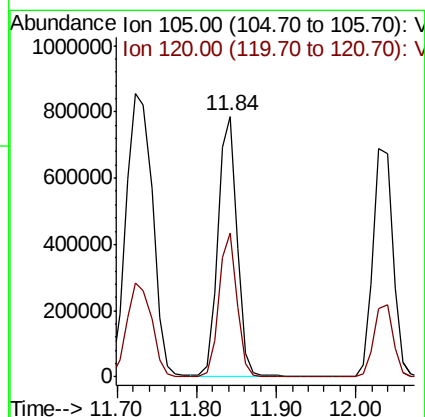
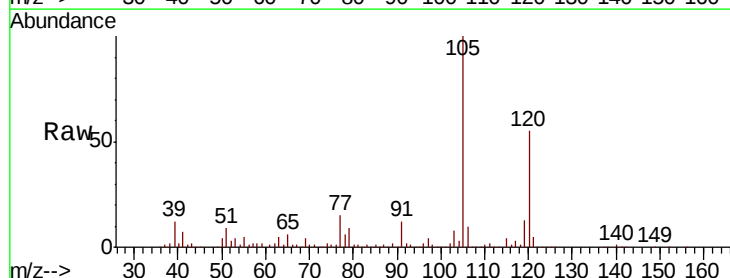
Acq: 22 Dec 2018 20:19

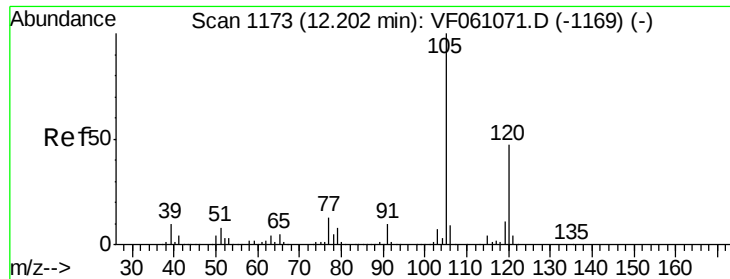
Tgt Ion: 105 Resp: 1335233

Ion Ratio Lower Upper

105 100

120 54.9 25.4 76.4





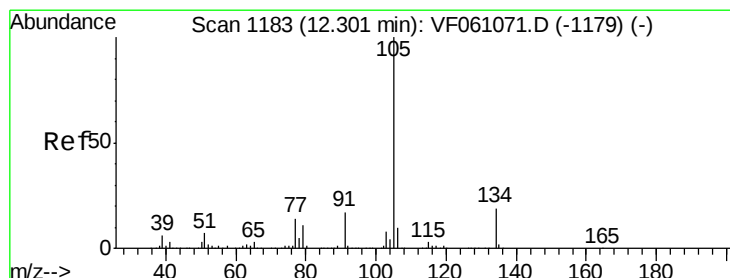
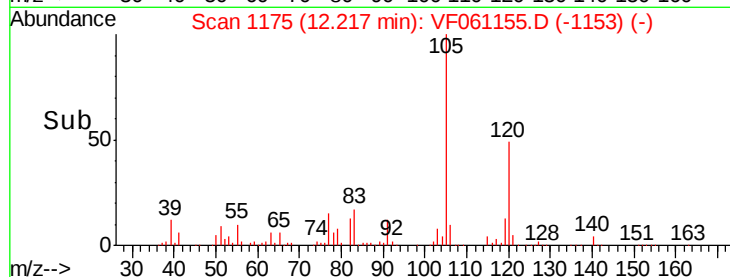
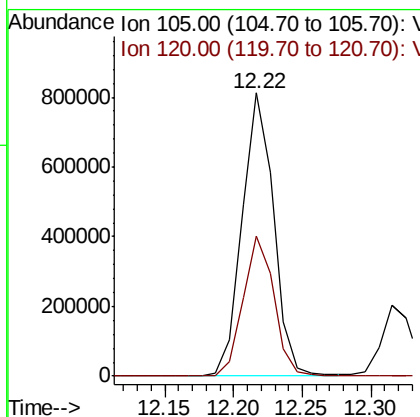
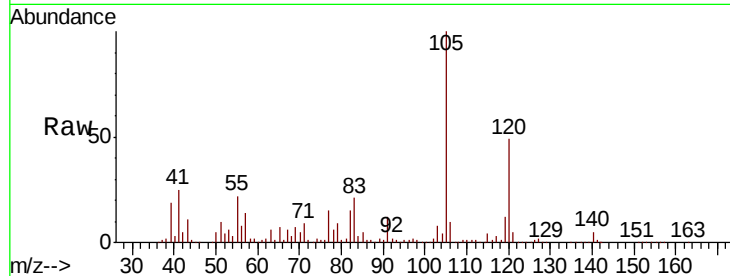
#84
 1,2,4-Trimethylbenzene
 Concen: 241.605 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF061155.D
 Acq: 22 Dec 2018 20:19

Instrument :
 MSVOA_F
 ClientSampleId :
 DRUM-1RE

Tgt Ion:105 Resp: 1295604
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.6 71.0

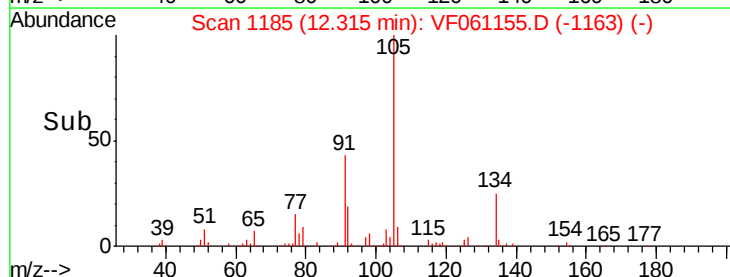
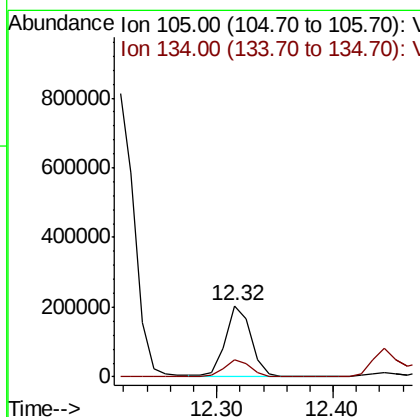
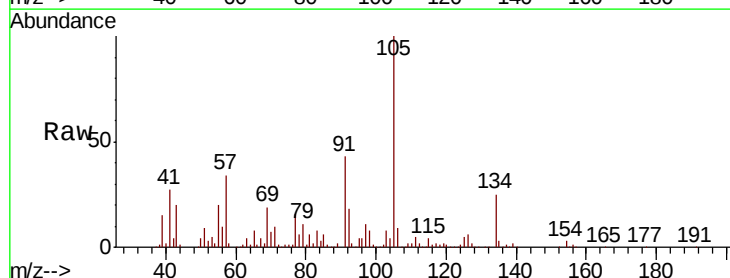
Manual Integrations
 APPROVED

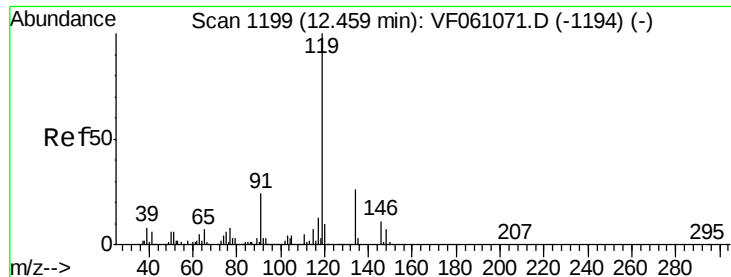
MMDadoda
 12/26/2018 11:05:58 AM



#85
 sec-Butylbenzene
 Concen: 42.640 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF061155.D
 Acq: 22 Dec 2018 20:19

Tgt Ion:105 Resp: 307919
 Ion Ratio Lower Upper
 105 100
 134 24.5 9.4 28.2





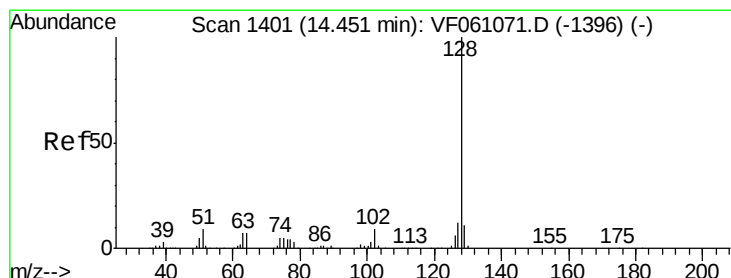
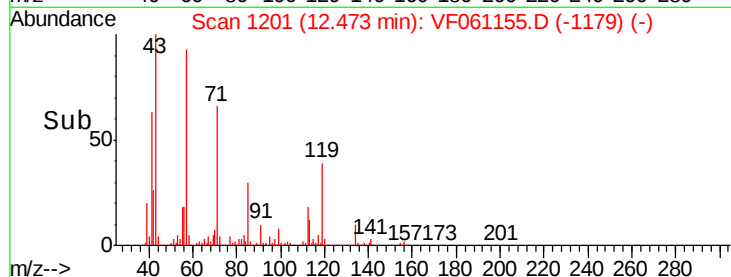
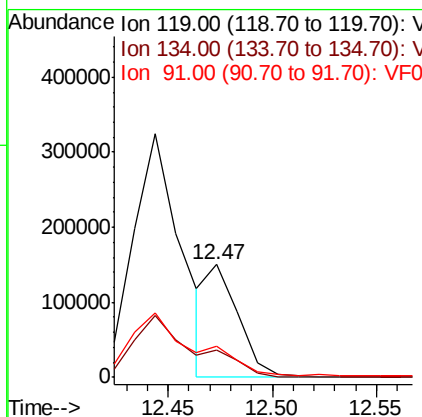
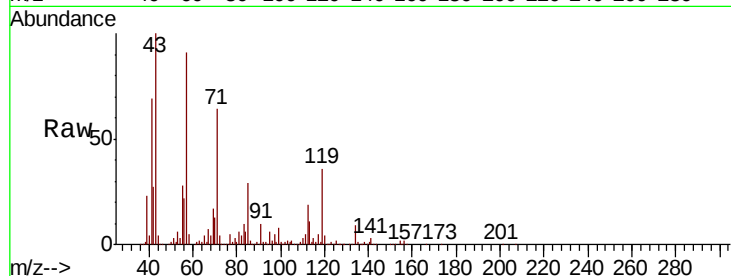
#86
p-Isopropyltoluene
Concen: 26.298 ug/l m
RT: 12.47 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
DRUM-1RE

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.8	38.4
91	27.7	12.2	36.6

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:05:58 AM



#95
Naphthalene
Concen: 35.326 ug/l m
RT: 14.48 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF061155.D
Acq: 22 Dec 2018 20:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	64.9	9.4	14.2#
129	85.6	8.8	13.2#

