

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061967.D
 Acq On : 15 Mar 2019 18:08
 Operator : VA/AP
 Sample : K1928-10
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-1(9-9.5)

Manual Integrations
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 3/17/2019 5:22:57 AM

Quant Time: Mar 16 00:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	191713	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.63	114	269593	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.81	117	280739	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	122856	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	57658	41.30	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	82.60%	
35) Dibromofluoromethane	4.14	113	89556	47.60	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	95.20%	
50) Toluene-d8	7.62	98	263107	47.05	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.44	95	212508	97.01	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	194.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.25	43	2431859	8315.433	ug/l #	87
31) Cyclohexane	3.79	56	10819027	3677.977	ug/l	95
39) Methylcyclohexane	5.59	83	12957736	4307.874	ug/l	95
40) Benzene	4.68	78	11773741	1768.745	ug/l #	88
52) Toluene	7.78	92	26377745	6698.524	ug/l #	60
67) Ethyl Benzene	9.98	91	14685071	1642.680	ug/l #	65
68) m/p-Xylenes	10.26	106	15398846	4496.432	ug/l #	55
69) o-Xylene	10.78	106	7012629	1901.615	ug/l	63
73) Isopropylbenzene	11.15	105	2142061	253.260	ug/l	93
78) n-propylbenzene	11.62	91	5421471	567.602	ug/l #	76
80) 1,3,5-Trimethylbenzene	11.86	105	5175785	762.186	ug/l	83
84) 1,2,4-Trimethylbenzene	12.25	105	9495434	1426.391	ug/l	75
85) sec-Butylbenzene	12.33	105	833985	88.878	ug/l #	70
86) p-Isopropyltoluene	12.48	119	231937m	29.079	ug/l	
89) n-Butylbenzene	12.87	91	1696775	222.596	ug/l #	80
95) Naphthalene	14.47	128	2908872	636.156	ug/l #	92

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

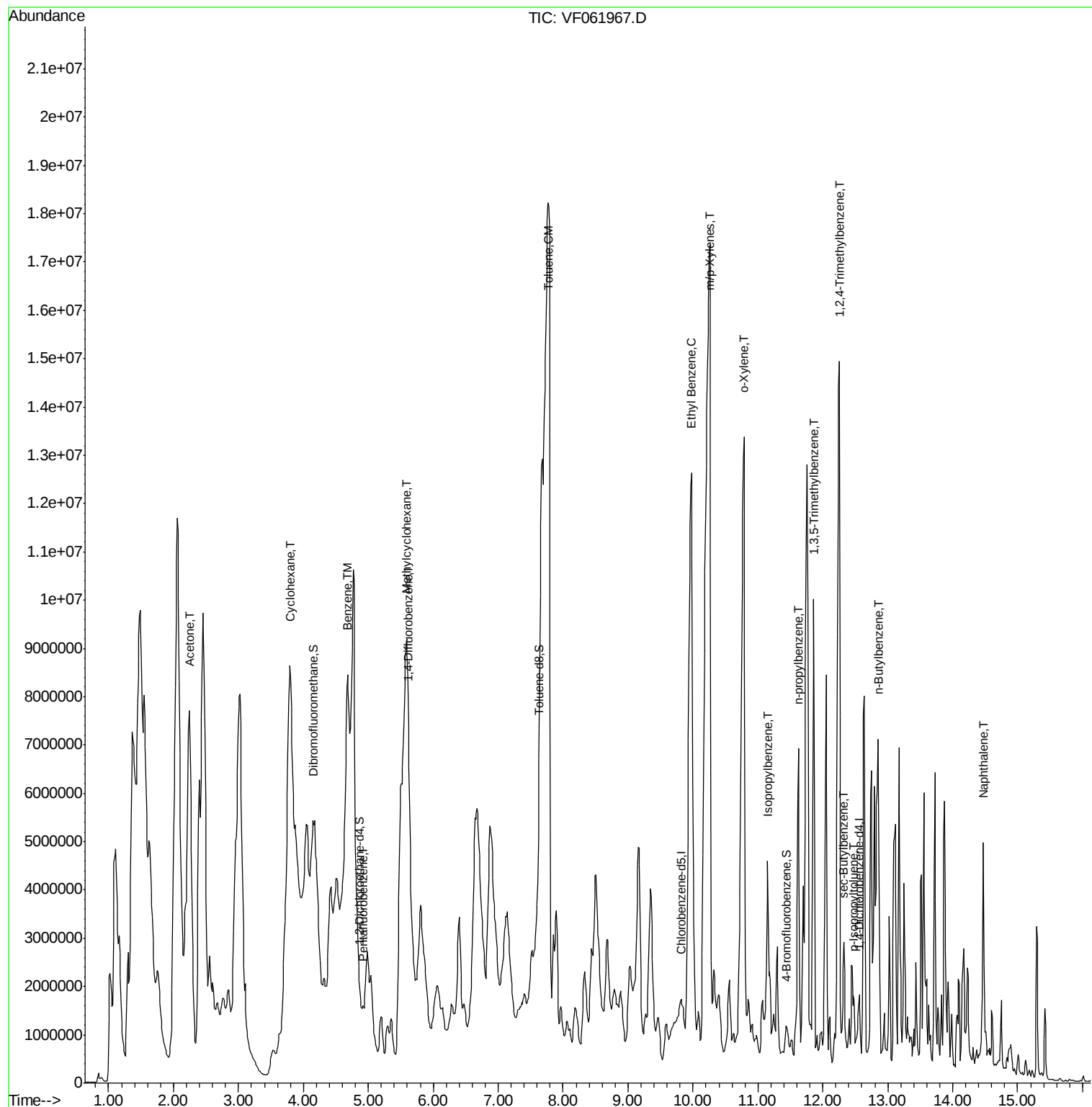
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
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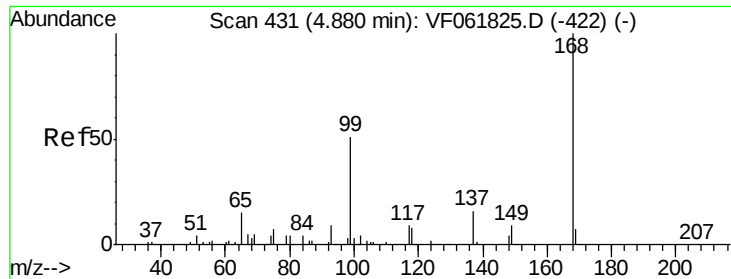
Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

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Quant Time: Mar 16 00:33:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
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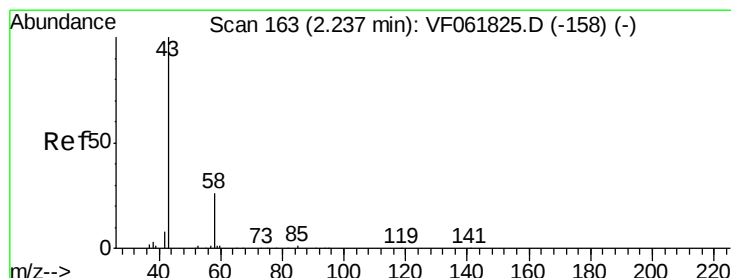
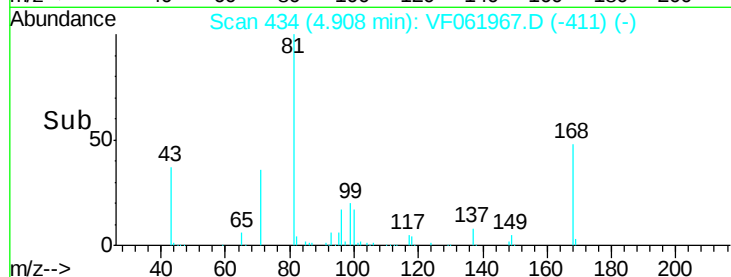
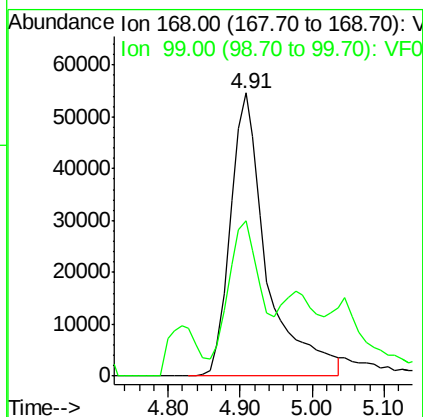
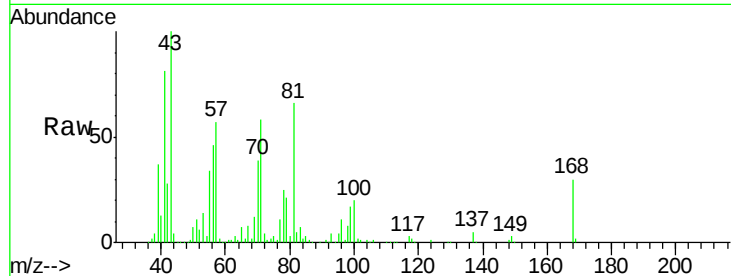
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.03 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

Tot Ion:168 Resp: 191713
Ion Ratio Lower Upper
168 100
99 54.9 40.8 61.2

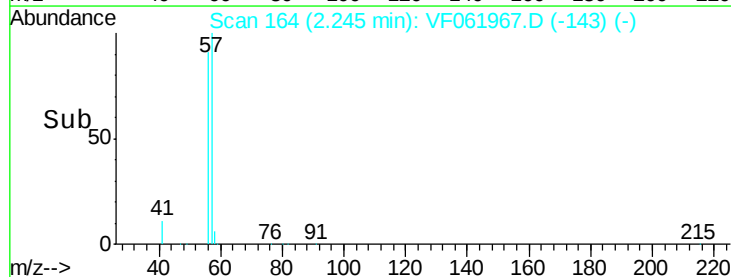
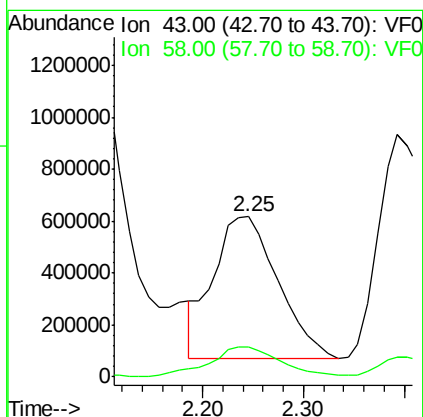
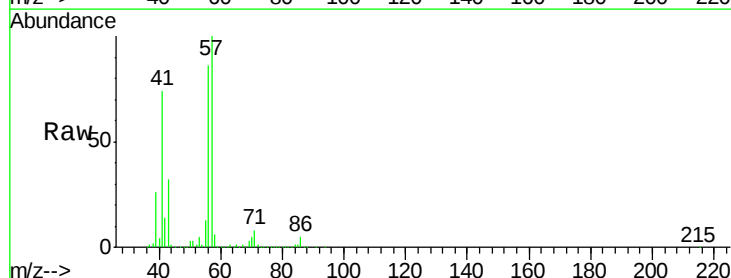
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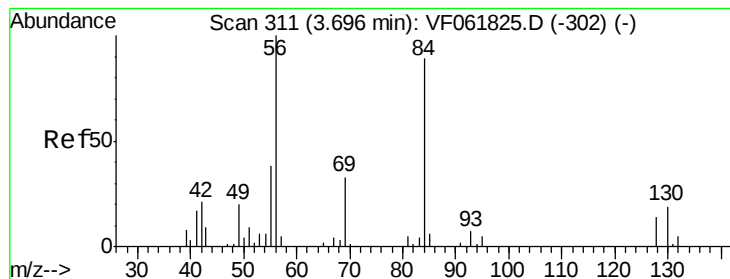
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#16
Acetone
Concen: 8315.433 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Tgt Ion: 43 Resp: 2431859
Ion Ratio Lower Upper
43 100
58 18.7 20.3 30.5#





#31

Cyclohexane

Concen: 3677.977 ug/l

RT: 3.79 min Scan# 321

Delta R.T. 0.10 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

ClientSampleId :

SI-1(9-9.5)

Tot Ion: 56 Resp:10819027

Ion Ratio Lower Upper

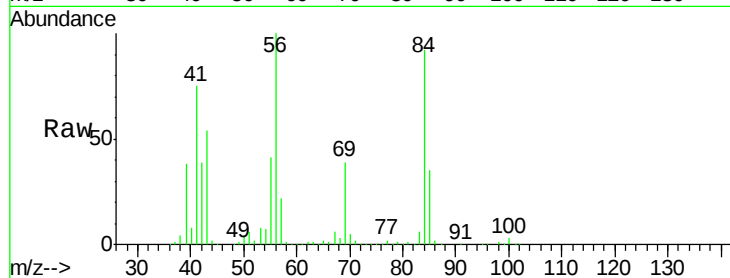
56 100

69 38.7 26.0 39.0

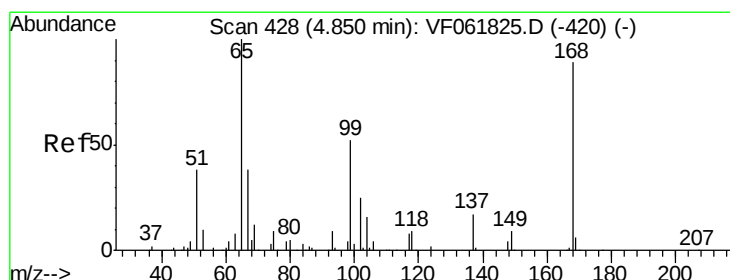
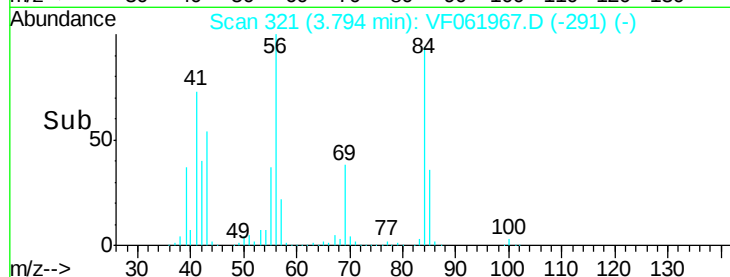
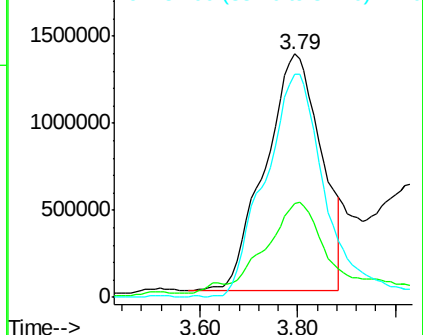
84 91.7 71.0 106.6

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Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 41.298 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.03 min

Lab File: VF061967.D

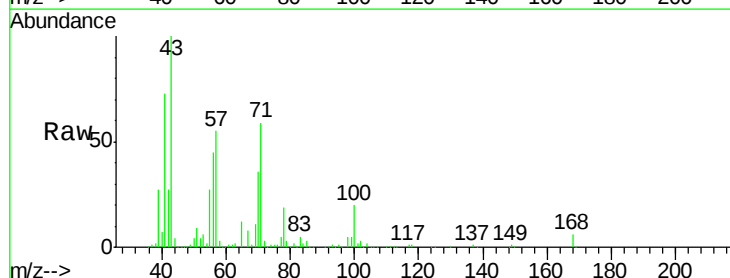
Acq: 15 Mar 2019 18:08

Tgt Ion: 65 Resp: 57658

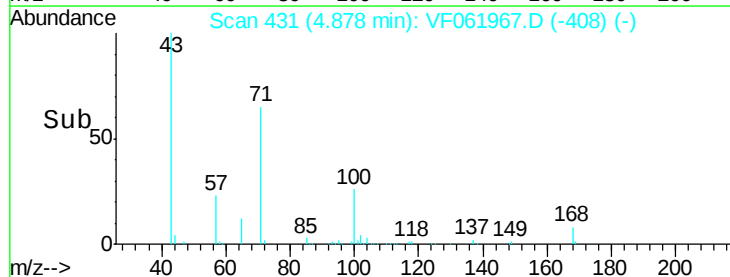
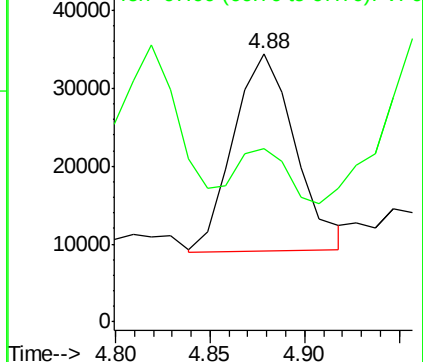
Ion Ratio Lower Upper

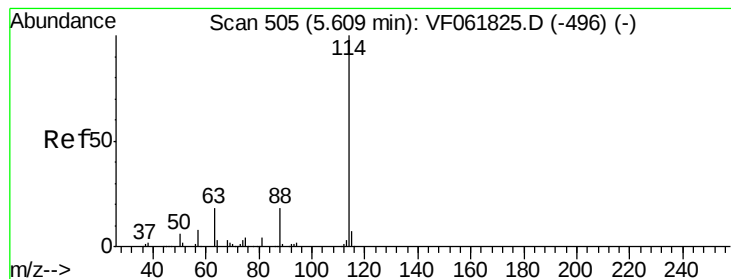
65 100

67 64.8 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.02 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

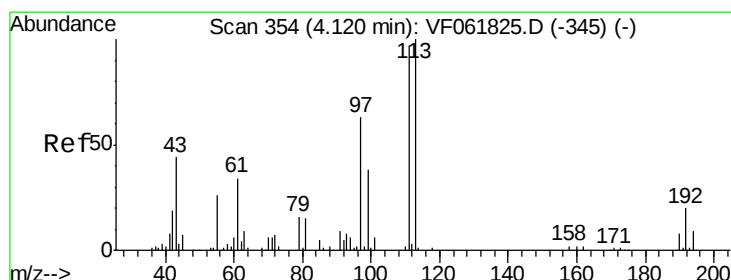
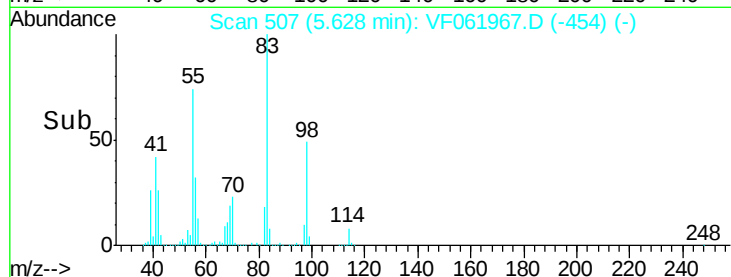
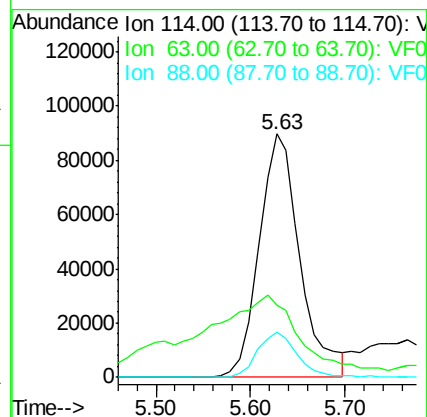
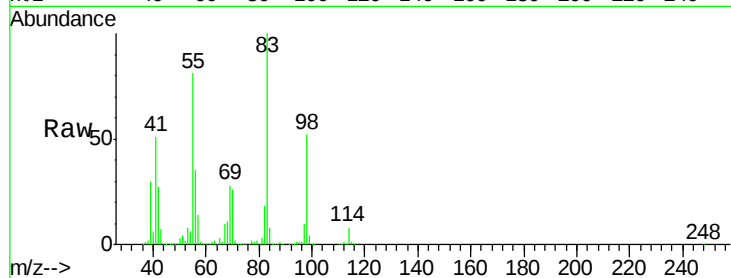
ClientSampleId :

SI-1(9-9.5)

Tot Ion:	114	Resp:	269593
Ion Ratio	Lower	Upper	
114	100		
63	29.7	0.0	35.6
88	18.5	0.0	35.6

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#35

Dibromofluoromethane

Concen: 47.601 ug/l

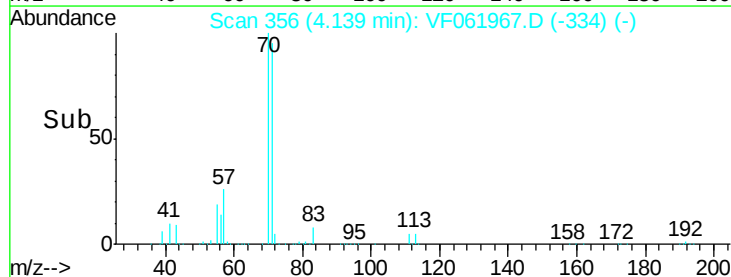
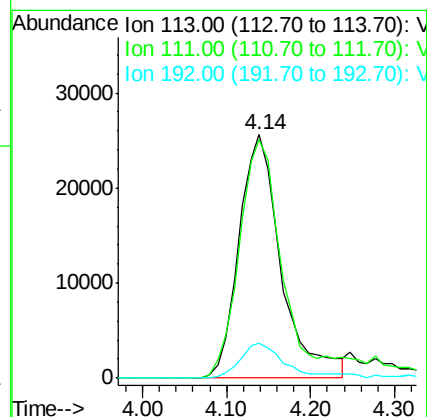
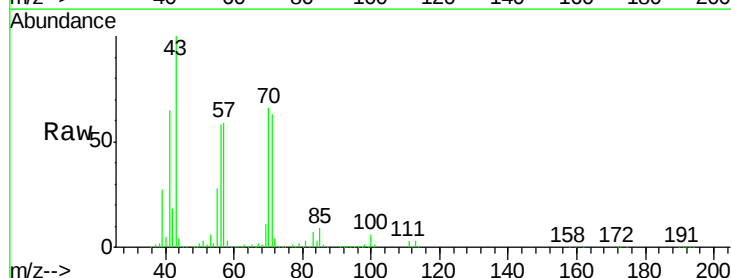
RT: 4.14 min Scan# 356

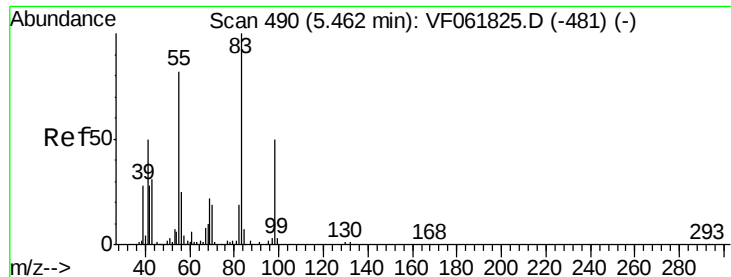
Delta R.T. 0.02 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Tgt Ion:	113	Resp:	89556
Ion Ratio	Lower	Upper	
113	100		
111	98.1	77.6	116.4
192	14.2	15.9	23.9#





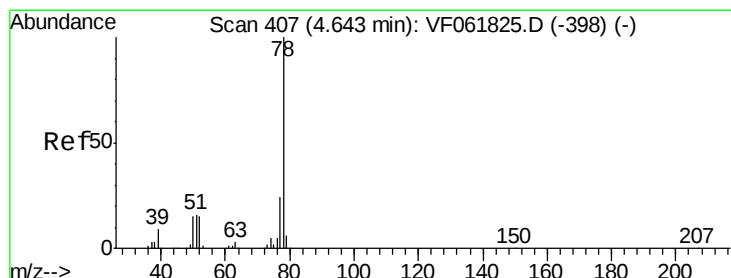
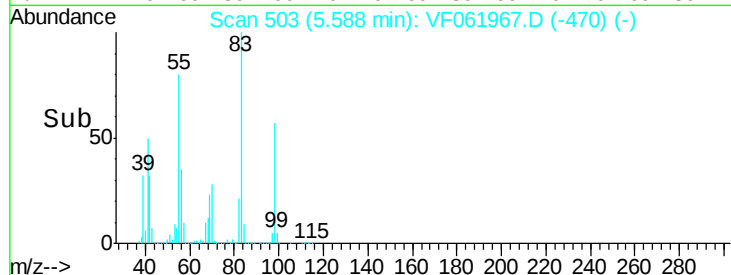
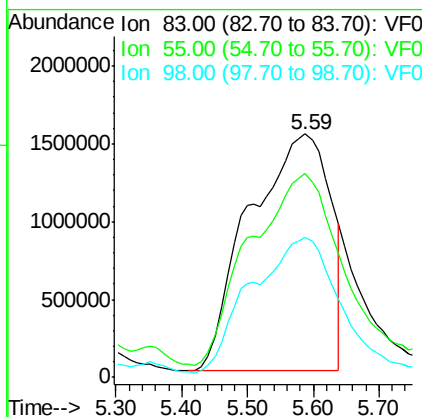
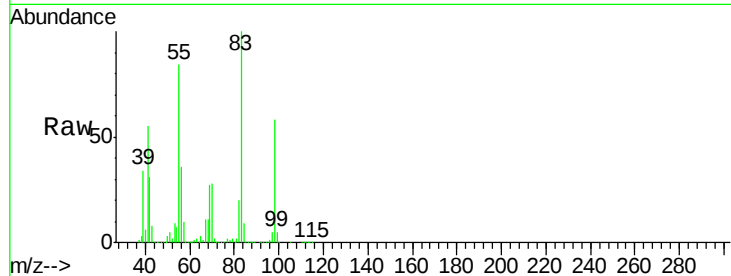
#39
Methvlcvclohexane
Concen: 4307.874 ug/l
RT: 5.59 min Scan# 503
Delta R.T. 0.13 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

Tot Ion: 83 Resp:12957736
Ion Ratio Lower Upper
83 100
55 83.5 66.0 99.0
98 57.6 39.8 59.6

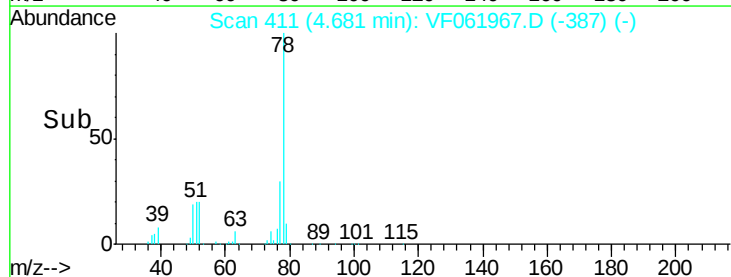
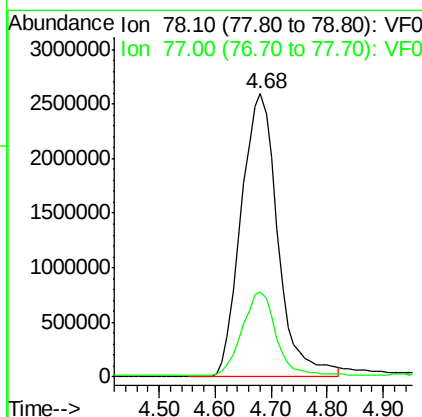
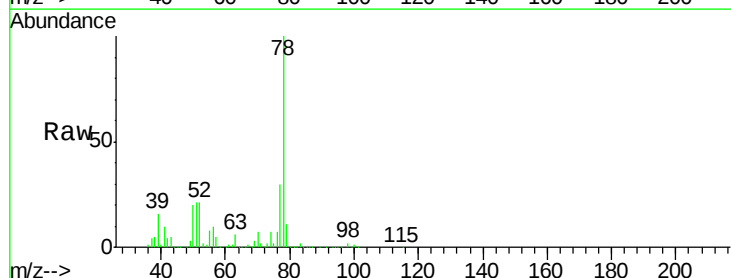
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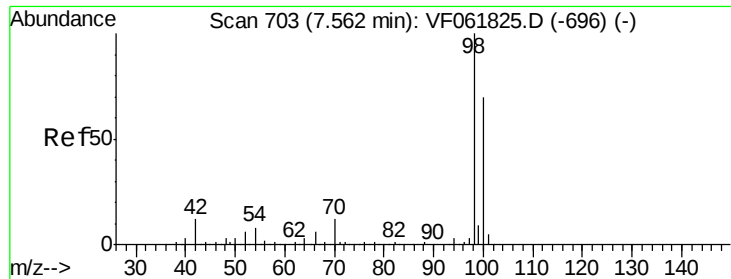
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#40
Benzene
Concen: 1768.745 ug/l
RT: 4.68 min Scan# 411
Delta R.T. 0.04 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Tgt Ion: 78 Resp:11773741
Ion Ratio Lower Upper
78 100
77 30.2 19.5 29.3#





#50

Toluene-d8

Concen: 47.050 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.06 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

ClientSampleId :

SI-1(9-9.5)

Tot Ion: 98 Resp: 263107

Ion Ratio Lower Upper

98 100

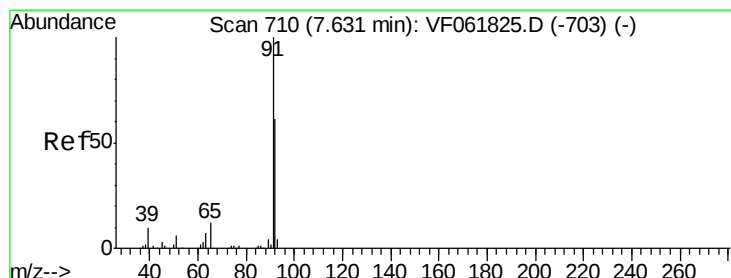
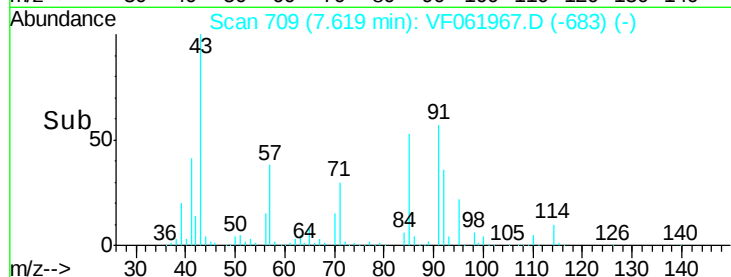
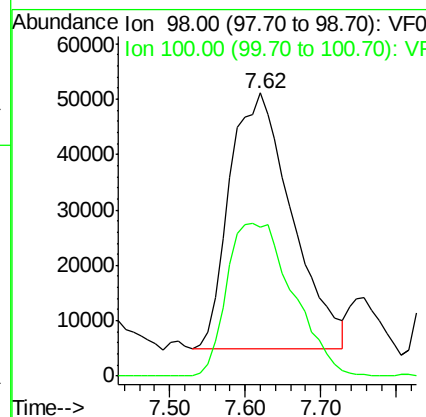
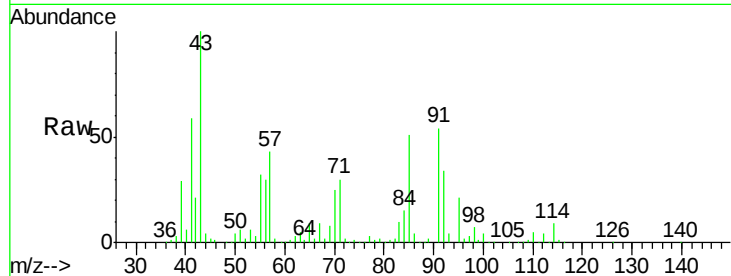
100 52.5 56.0 84.0#

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#52

Toluene

Concen: 6698.524 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.15 min

Lab File: VF061967.D

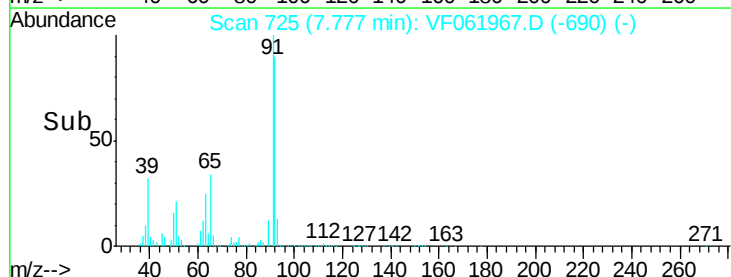
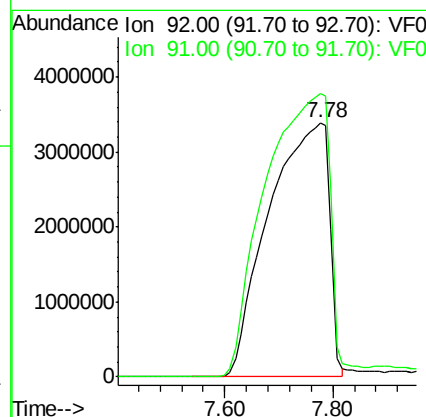
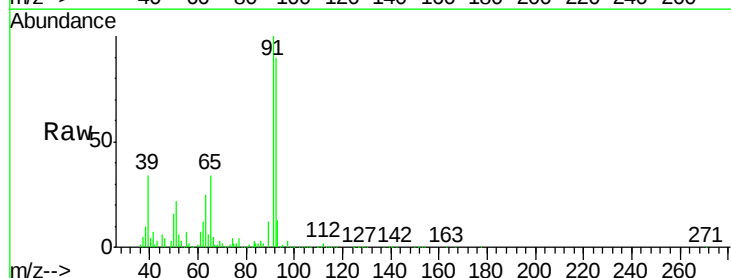
Acq: 15 Mar 2019 18:08

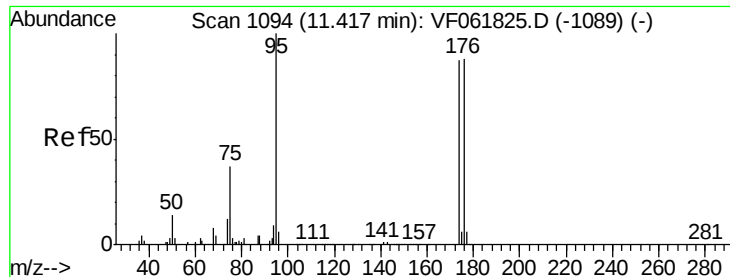
Tgt Ion: 92 Resp: 26377745

Ion Ratio Lower Upper

92 100

91 111.4 132.0 198.0#





#62

4-Bromofluorobenzene

Concen: 97.011 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

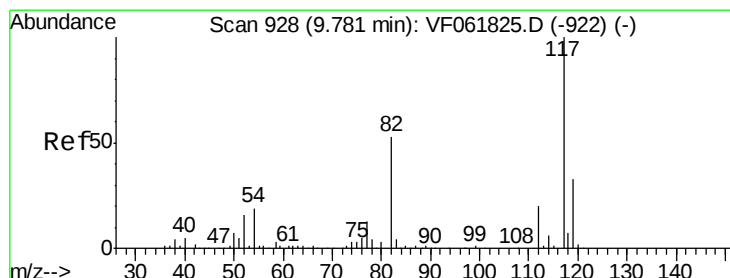
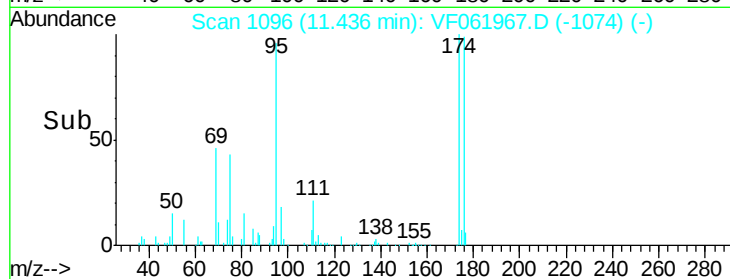
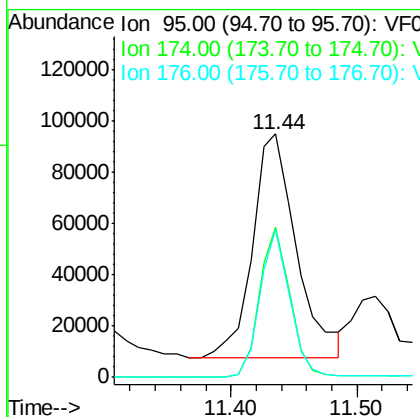
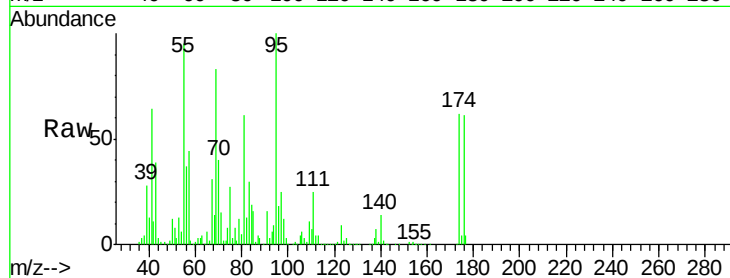
ClientSampleId :

SI-1(9-9.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		212508		
174	61.6	0.0	174.0		
176	60.8	0.0	175.2		

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

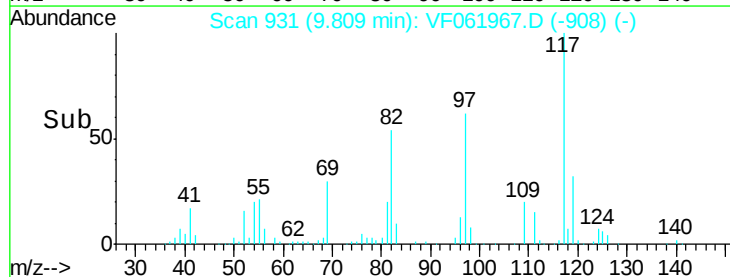
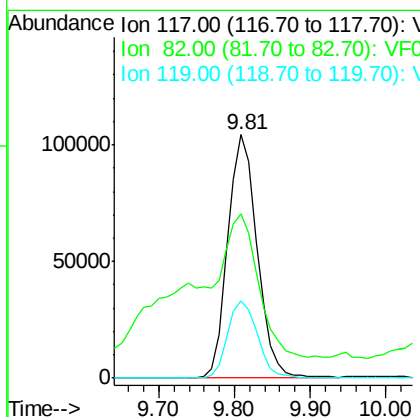
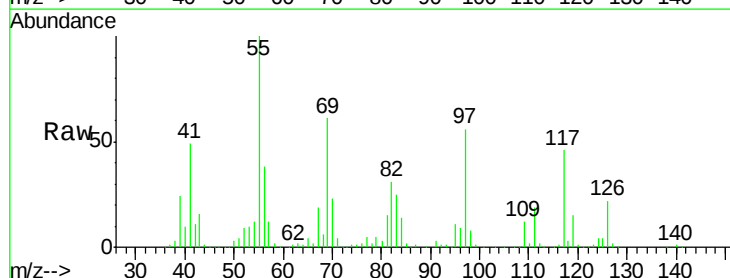
RT: 9.81 min Scan# 931

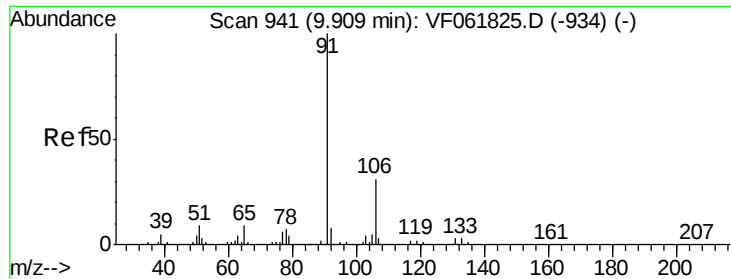
Delta R.T. 0.03 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		280739		
82	67.5	42.6	63.8#		
119	31.8	26.0	39.0		





#67

Ethyl Benzene

Concen: 1642.680 ug/l

RT: 9.98 min Scan# 948

Delta R.T. 0.07 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

ClientSampleId :

SI-1(9-9.5)

Tot Ion: 91 Resp:14685071

Ion Ratio Lower Upper

91 100

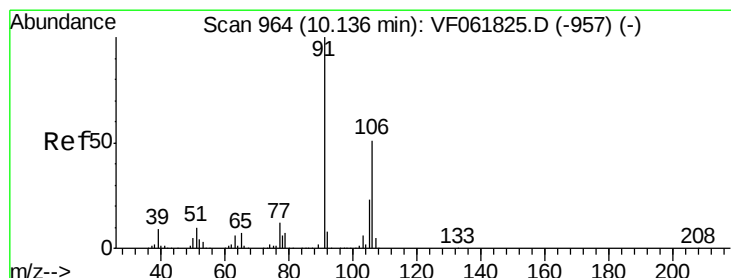
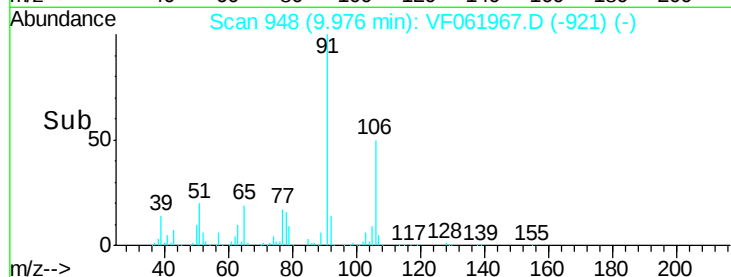
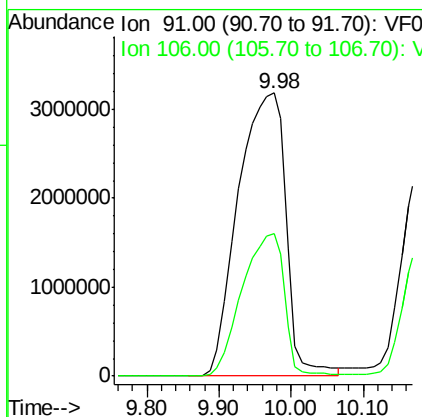
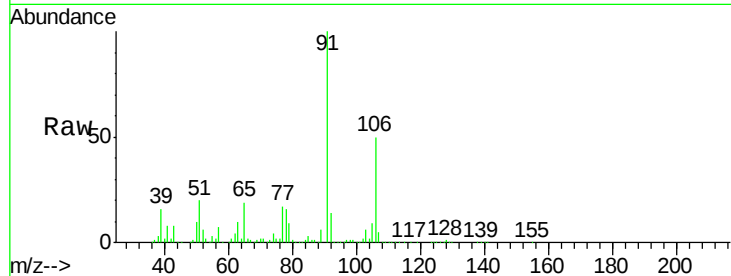
106 50.4 25.0 37.4#

Manual Integrations

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#68

m/p-Xylenes

Concen: 4496.432 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.13 min

Lab File: VF061967.D

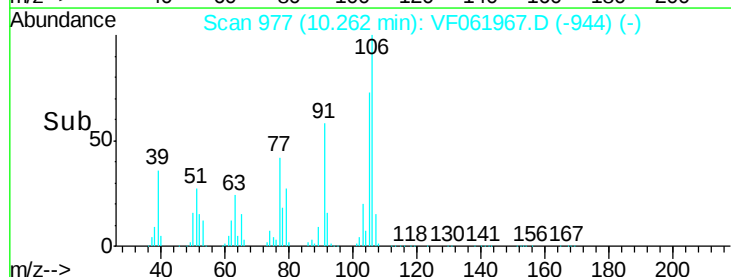
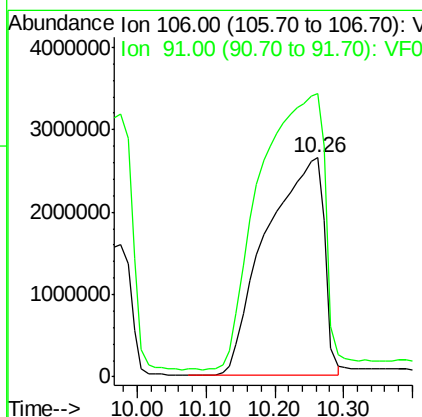
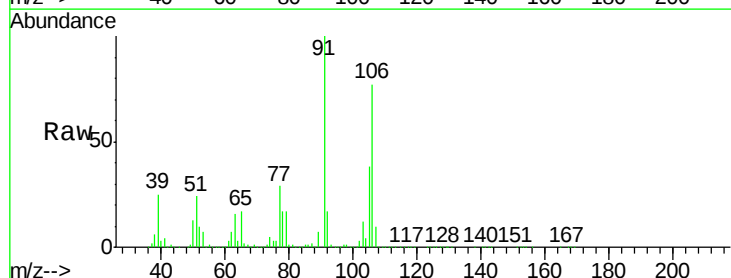
Acq: 15 Mar 2019 18:08

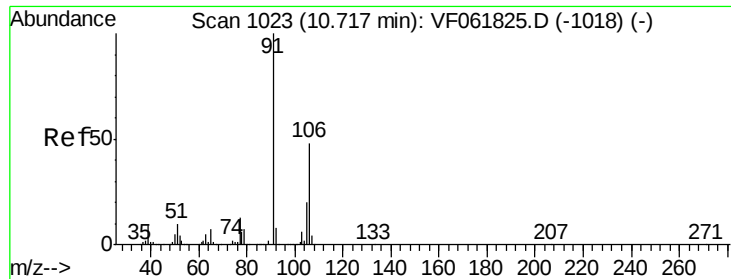
Tgt Ion:106 Resp:15398846

Ion Ratio Lower Upper

106 100

91 129.1 157.5 236.3#





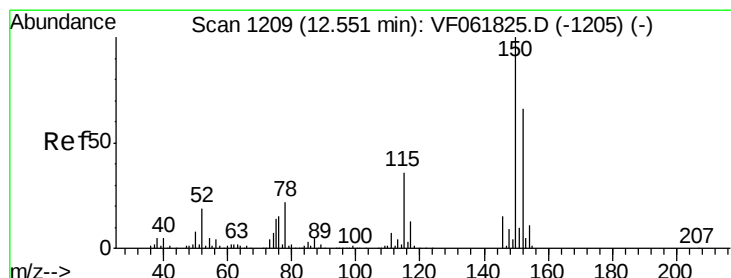
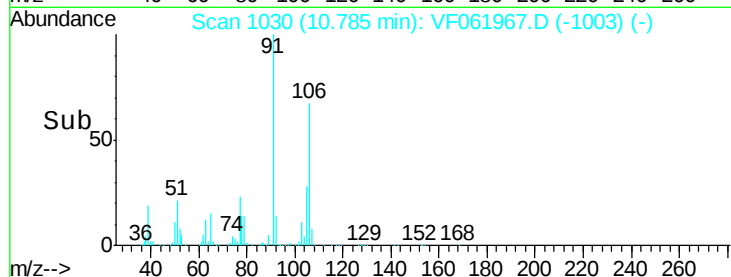
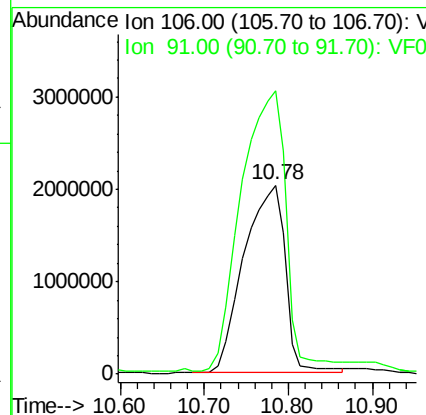
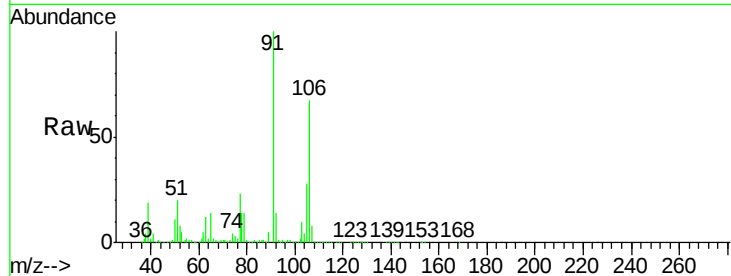
#69
o-Xylene
Concen: 1901.615 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. 0.07 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

Tot Ion:106 Resp: 7012629
Ion Ratio Lower Upper
106 100
91 150.0 103.5 310.3

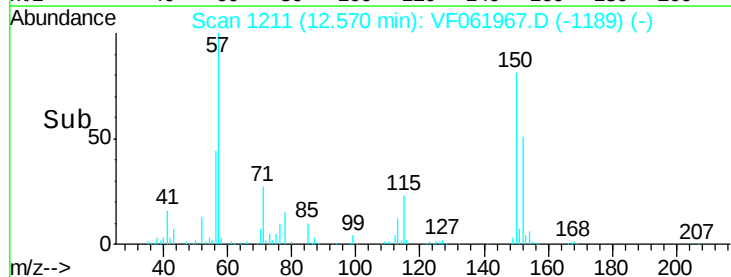
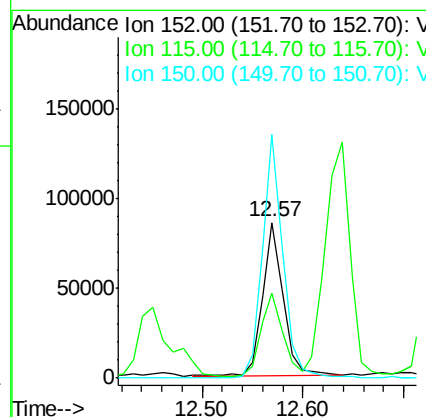
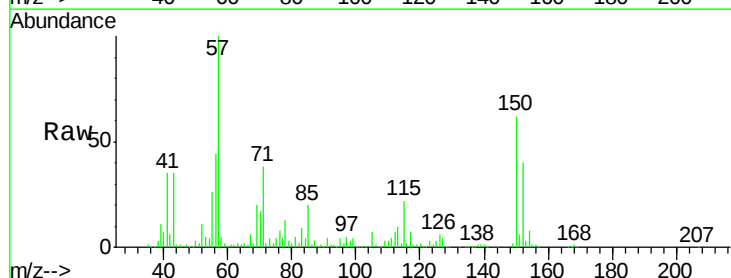
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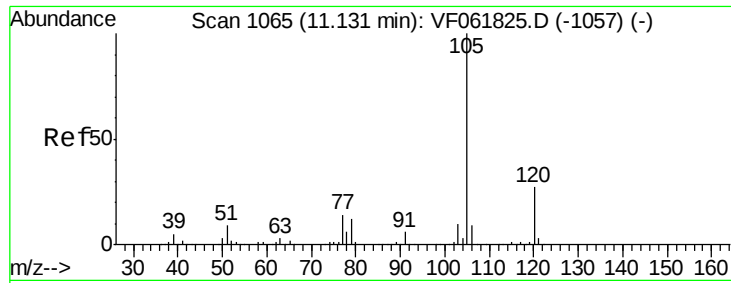
MMDadoda
3/17/2019 5:22:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.02 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Tgt Ion:152 Resp: 122856
Ion Ratio Lower Upper
152 100
115 54.9 27.7 83.1
150 156.3 0.0 304.2





#73

Isopropylbenzene

Concen: 253.260 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.02 min

Lab File: VF061967.D

Acq: 15 Mar 2019 18:08

Instrument :

MSVOA_F

ClientSampled :

SI-1(9-9.5)

Tot Ion:105 Resp: 2142061

Ion Ratio Lower Upper

105 100

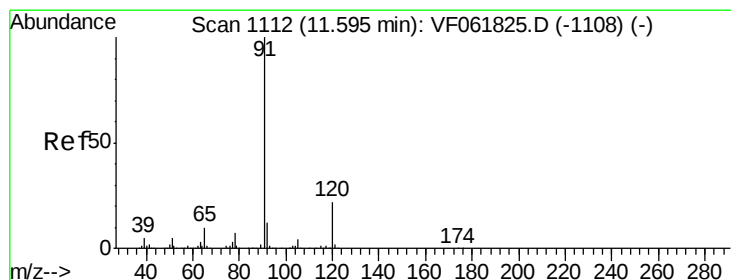
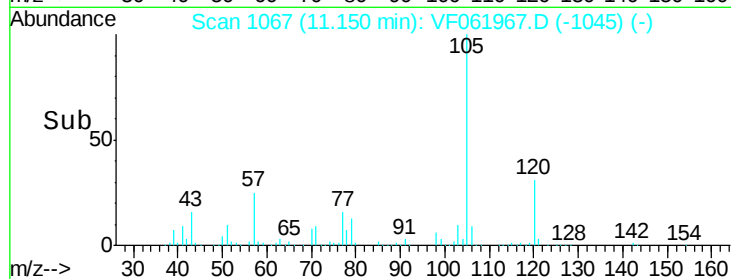
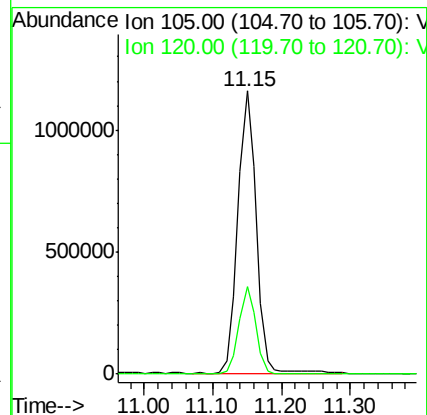
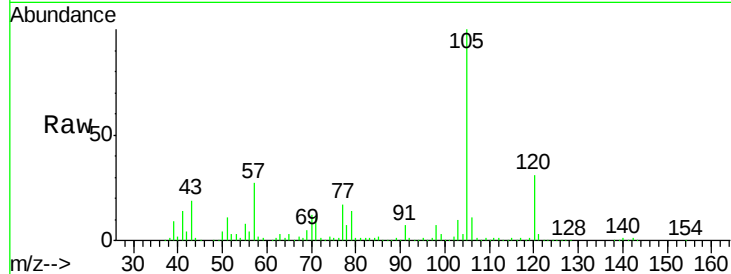
120 30.8 13.7 41.0

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#78

n-propylbenzene

Concen: 567.602 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. 0.03 min

Lab File: VF061967.D

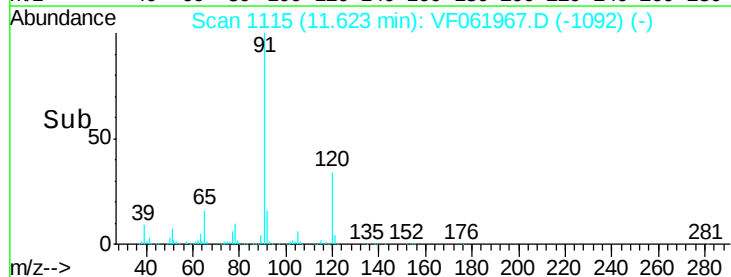
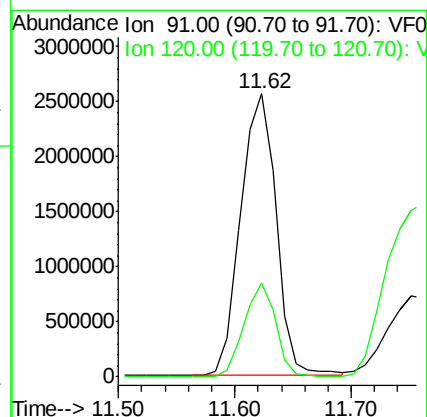
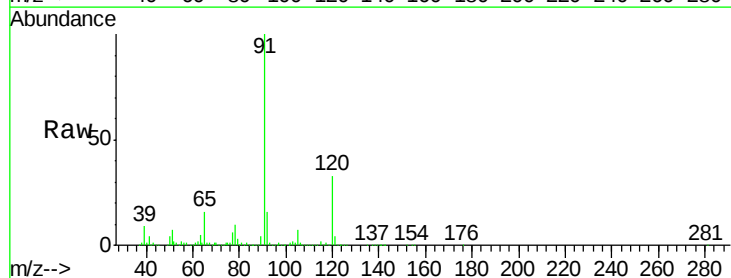
Acq: 15 Mar 2019 18:08

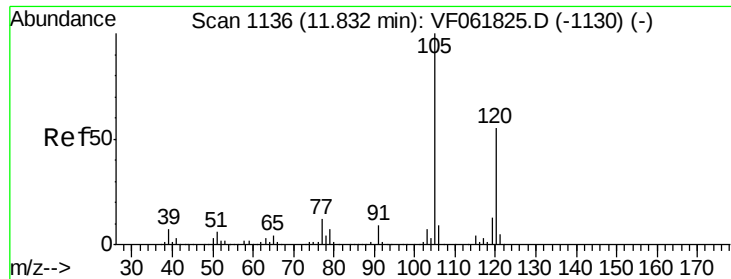
Tgt Ion: 91 Resp: 5421471

Ion Ratio Lower Upper

91 100

120 33.4 11.1 33.1#





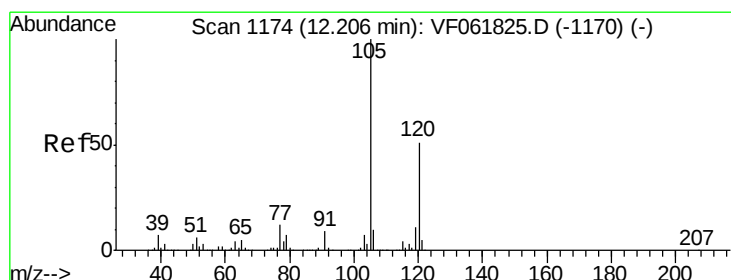
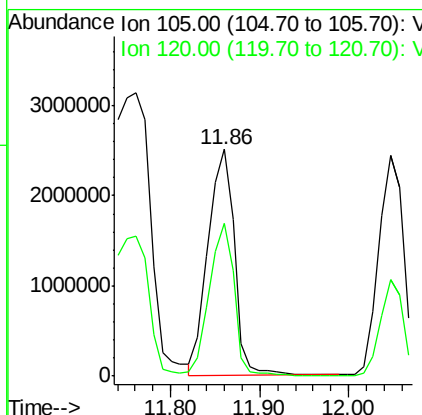
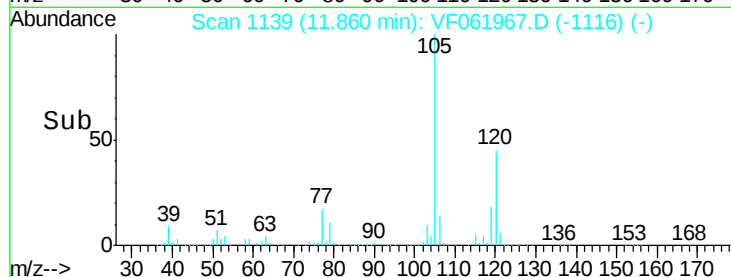
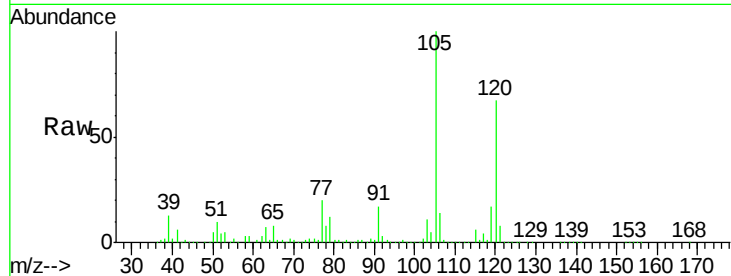
#80
 1,3,5-Trimethylbenzene
 Concen: 762.186 ug/l
 RT: 11.86 min Scan# 1139
 Delta R.T. 0.03 min
 Lab File: VF061967.D
 Acq: 15 Mar 2019 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-1(9-9.5)

Tot Ion:105 Resp: 5175785
 Ion Ratio Lower Upper
 105 100
 120 67.2 27.4 82.2

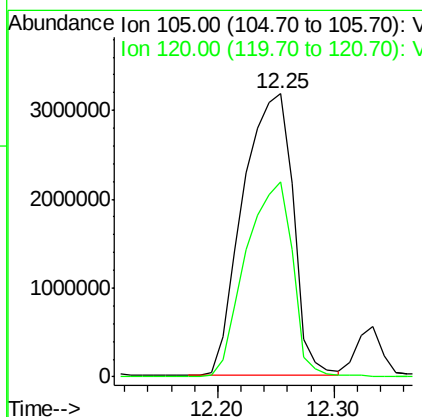
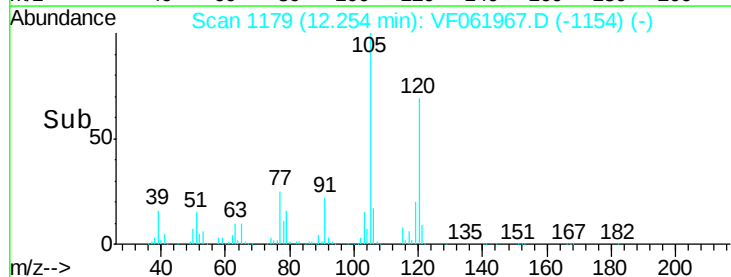
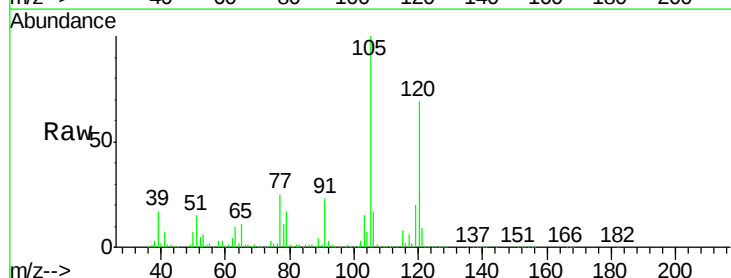
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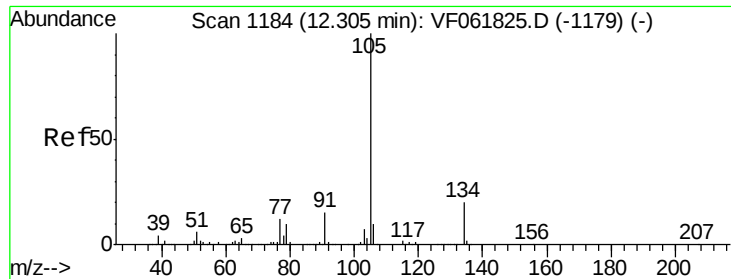
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 1426.391 ug/l
 RT: 12.25 min Scan# 1179
 Delta R.T. 0.05 min
 Lab File: VF061967.D
 Acq: 15 Mar 2019 18:08

Tgt Ion:105 Resp: 9495434
 Ion Ratio Lower Upper
 105 100
 120 69.1 25.8 77.4





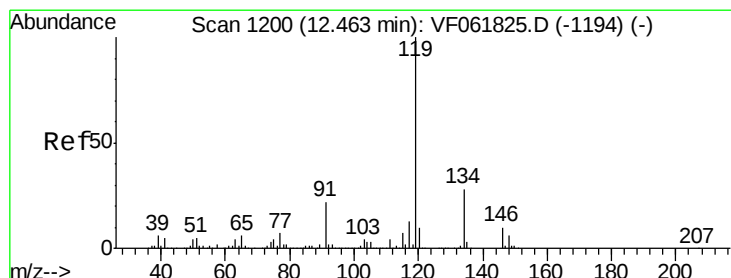
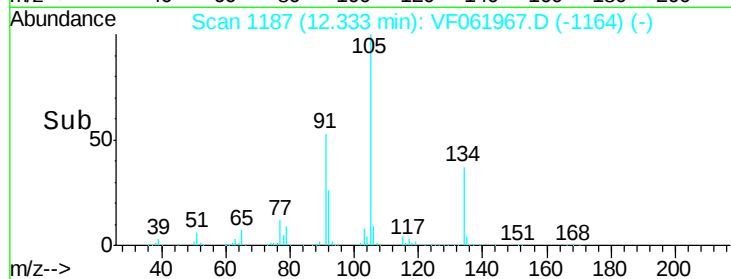
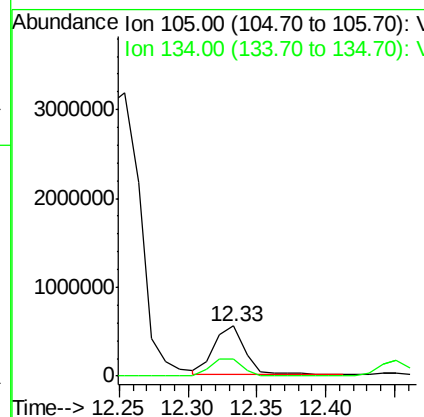
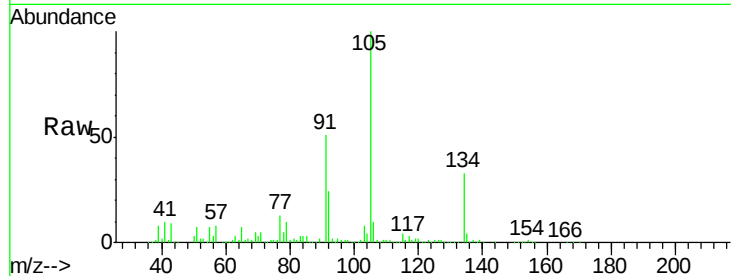
#85
 sec-Butylbenzene
 Concen: 88.878 ug/l
 RT: 12.33 min Scan# 1187
 Delta R.T. 0.03 min
 Lab File: VF061967.D
 Acq: 15 Mar 2019 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-1(9-9.5)

Tot Ion	Ratio	Lower	Upper
105	100		
134	33.3	9.8	29.5#

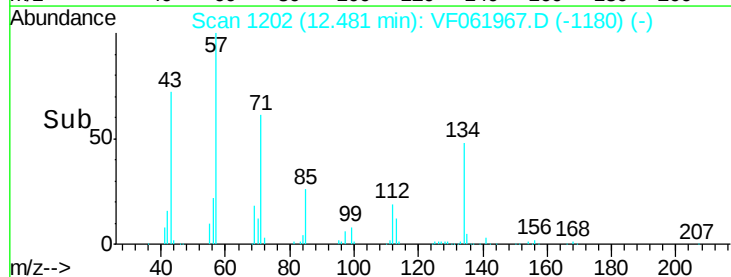
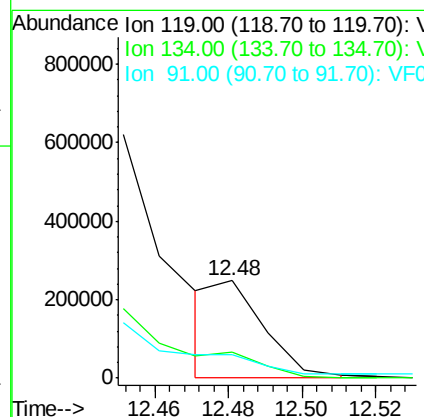
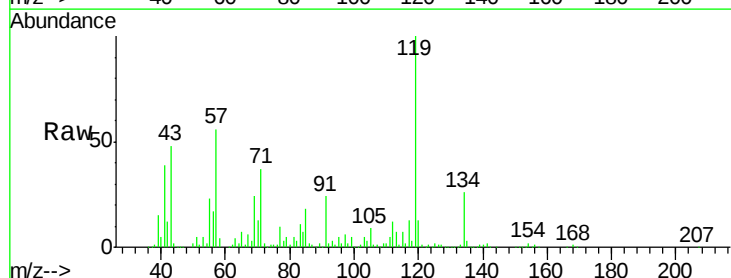
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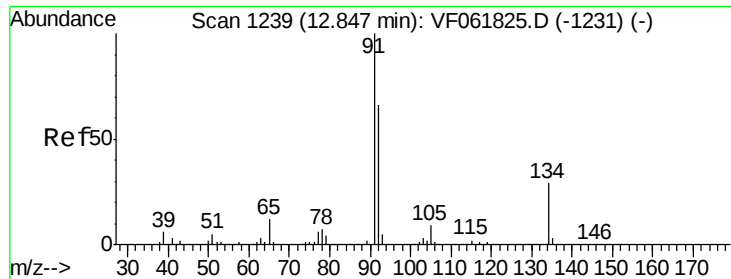
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#86
 p-Isopropyltoluene
 Concen: 29.079 ug/l m
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF061967.D
 Acq: 15 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	14.0	42.0
91	24.0	11.1	33.3





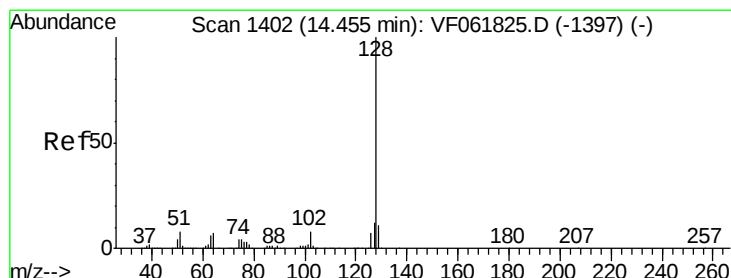
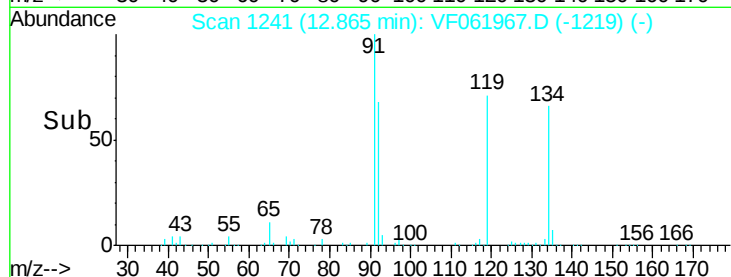
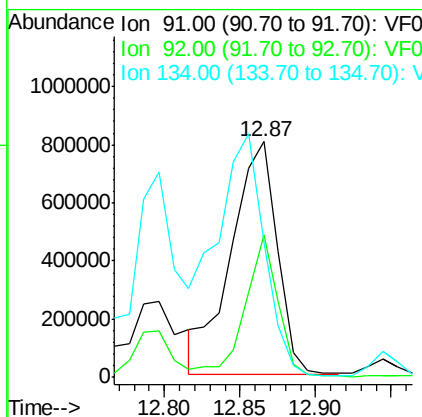
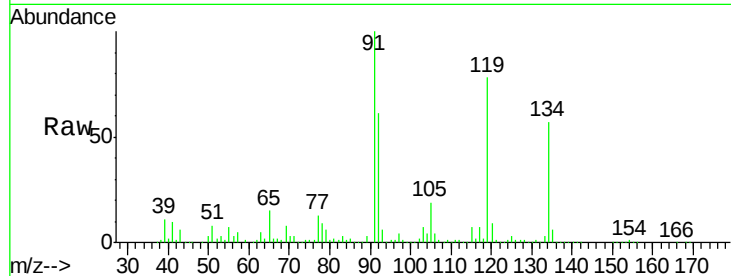
#89
n-Butylbenzene
Concen: 222.596 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Instrument :
MSVOA_F
ClientSampled :
SI-1(9-9.5)

Tot Ion: 91 Resp: 1696775
Ion Ratio Lower Upper
91 100
92 60.6 32.9 98.6
134 57.0 14.5 43.6#

Manual Integrations
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#95
Naphthalene
Concen: 636.156 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF061967.D
Acq: 15 Mar 2019 18:08

Tgt Ion:128 Resp: 2908872
Ion Ratio Lower Upper
128 100
127 14.1 9.3 13.9#
129 14.8 8.8 13.2#

