

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062086.D
 Acq On : 22 Mar 2019 16:53
 Operator : VA/AP
 Sample : K2043-02
 Misc : 5.69g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)

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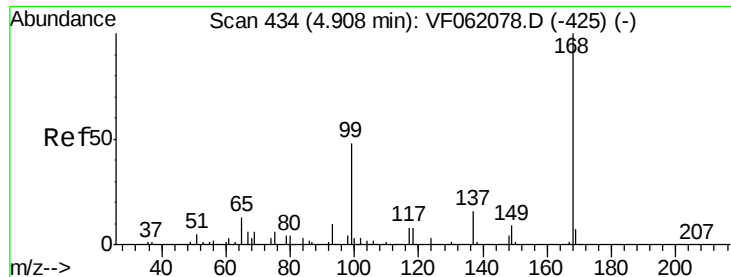
Quant Time: Mar 23 06:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	25260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	35953	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	13946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	5552	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	4529	24.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	48.22%	
35) Dibromofluoromethane	4.14	113	9662	39.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.46%	
50) Toluene-d8	7.58	98	35107	48.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.46	95	19172m	68.41	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	136.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.48	83	119487	300.633	ug/l	96
40) Benzene	4.67	78	93886	102.267	ug/l	99
52) Toluene	7.65	92	2716	5.108	ug/l #	41
56) Ethyl methacrylate	8.65	69	134339	745.789	ug/l #	78
65) Chlorobenzene	9.83	112	1938173	7427.681	ug/l	93
67) Ethyl Benzene	9.93	91	7042	15.518	ug/l	92
68) m/p-Xylenes	10.16	106	3094	18.242	ug/l #	63
69) o-Xylene	10.74	106	2794	15.728	ug/l #	32
73) Isopropylbenzene	11.15	105	37551	96.118	ug/l	98
78) n-propylbenzene	11.62	91	88541	195.177	ug/l	96
83) tert-Butylbenzene	12.15	119	48514	144.219	ug/l	83
85) sec-Butylbenzene	12.33	105	84066	193.178	ug/l #	59
87) 1,3-Dichlorobenzene	12.50	146	68823	388.106	ug/l #	76
88) 1,4-Dichlorobenzene	12.58	146	76064	439.579	ug/l #	74
89) n-Butylbenzene	12.86	91	56778	157.847	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

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Tot Ion:168 Resp: 25260

Ion Ratio Lower Upper

168 100

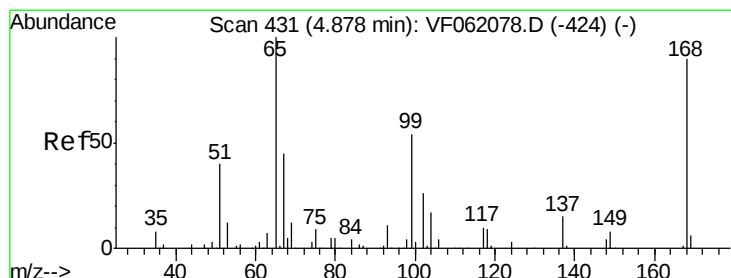
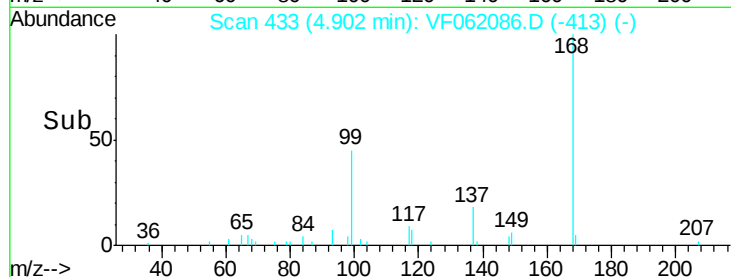
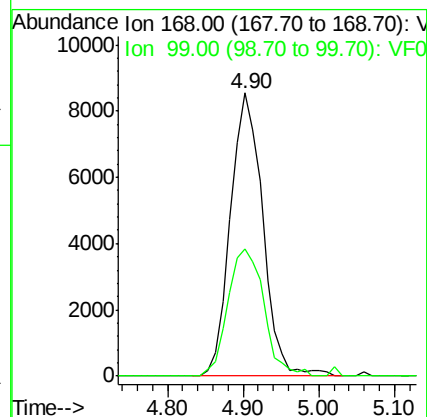
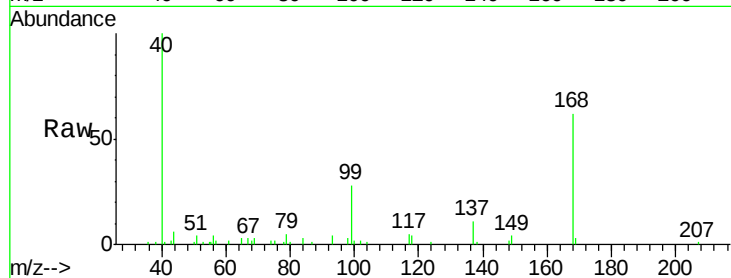
99 44.9 38.2 57.4

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#33

1,2-Dichloroethane-d4

Concen: 24.105 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF062086.D

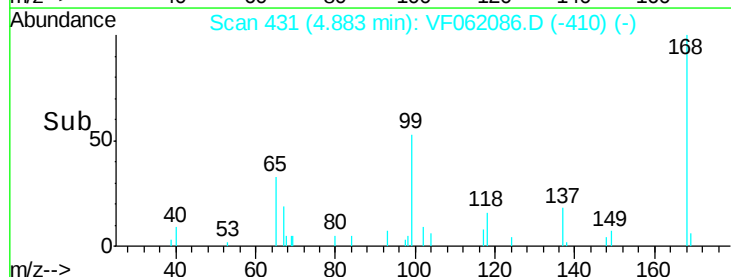
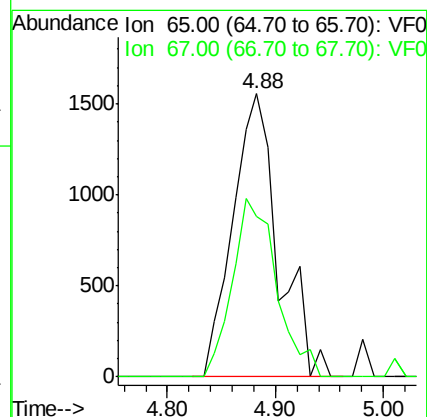
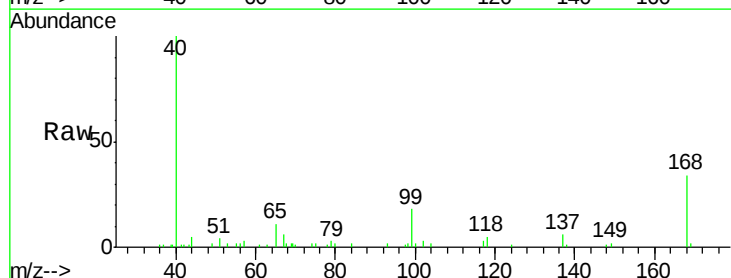
Acq: 22 Mar 2019 16:53

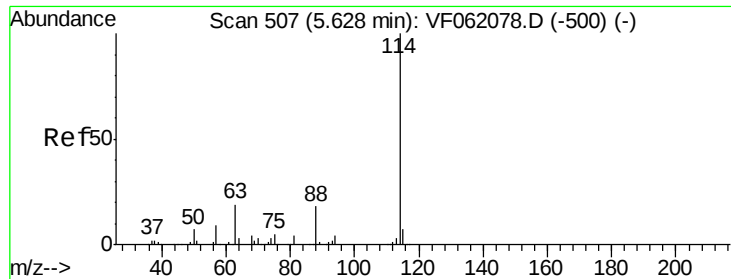
Tgt Ion: 65 Resp: 4529

Ion Ratio Lower Upper

65 100

67 56.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.00 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Instrument :

MSVOA_F

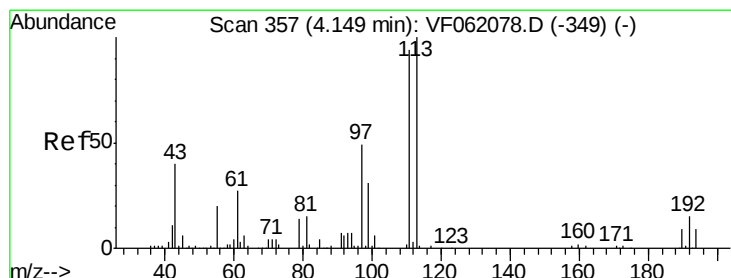
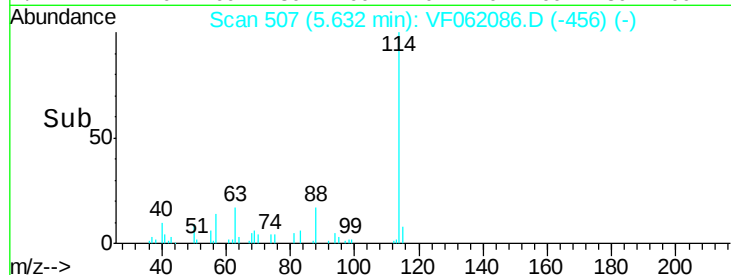
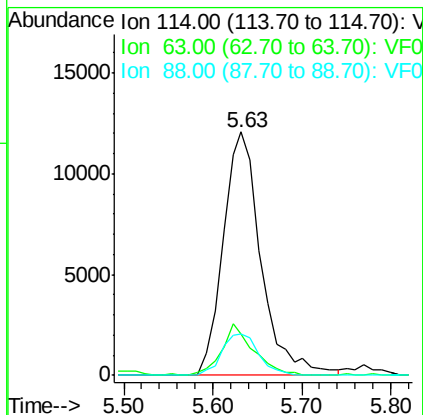
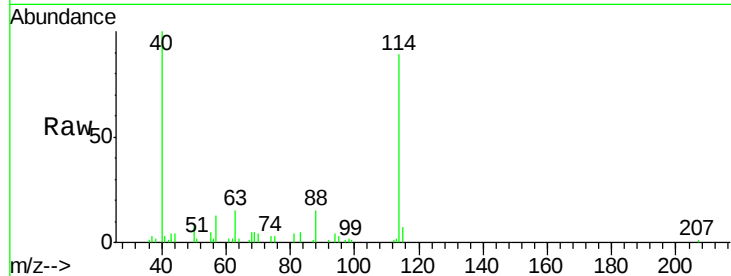
ClientSampleId :

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Tot Ion:114	Resp:	35953
Ion Ratio	Lower	Upper
114 100		
63 17.2	0.0	37.8
88 17.2	0.0	36.4

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#35

Dibromofluoromethane

Concen: 39.727 ug/l

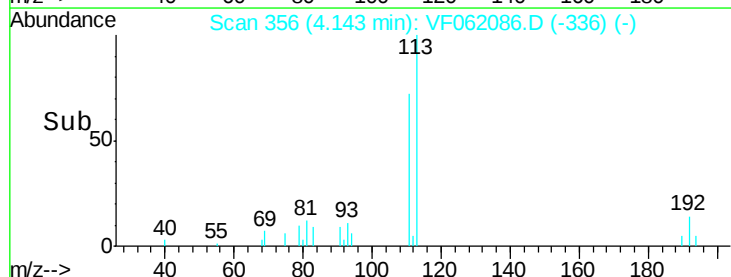
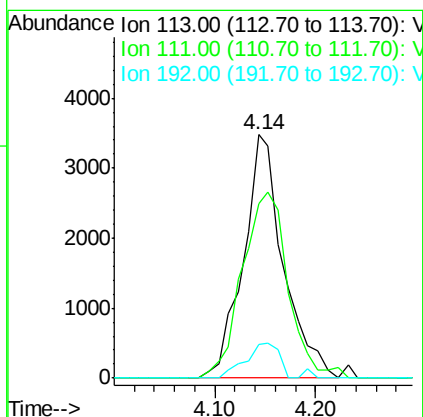
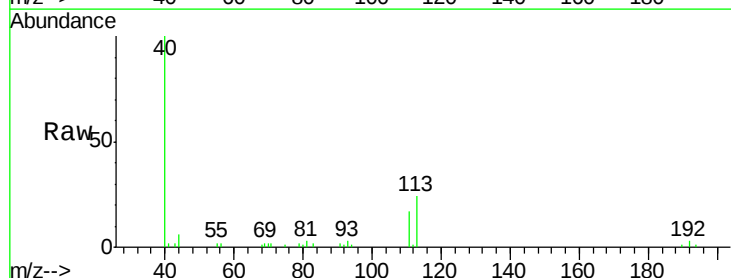
RT: 4.14 min Scan# 356

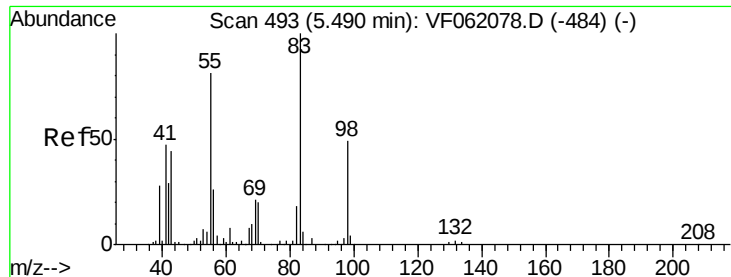
Delta R.T. -0.01 min

Lab File: VF062086.D

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Tgt Ion:113	Resp:	9662
Ion Ratio	Lower	Upper
113 100		
111 71.6	75.4	113.0#
192 13.6	12.3	18.5





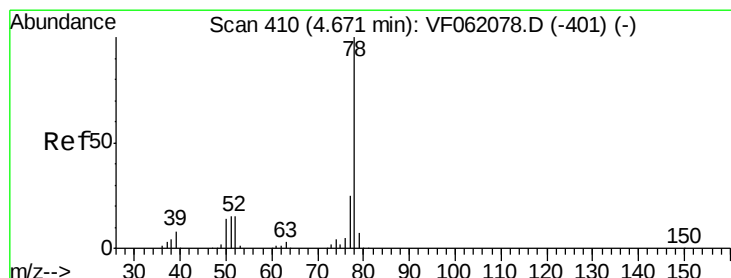
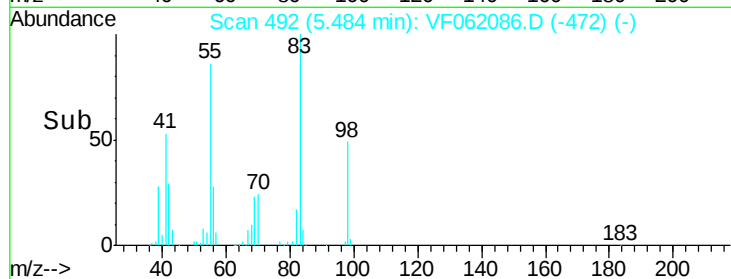
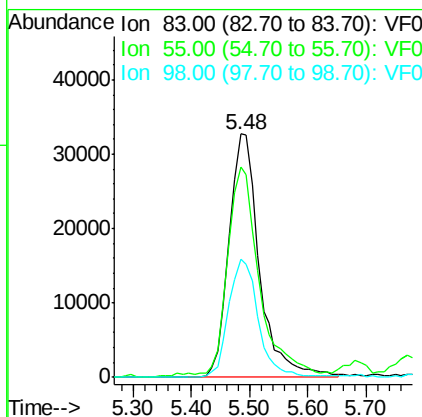
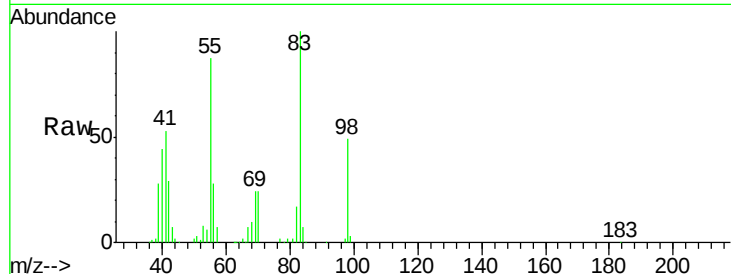
#39
Methvlcvclohexane
Concen: 300.633 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.6	64.5	96.7	
98	48.6	39.1	58.7	

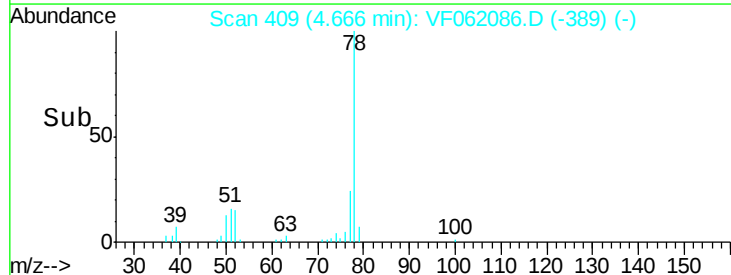
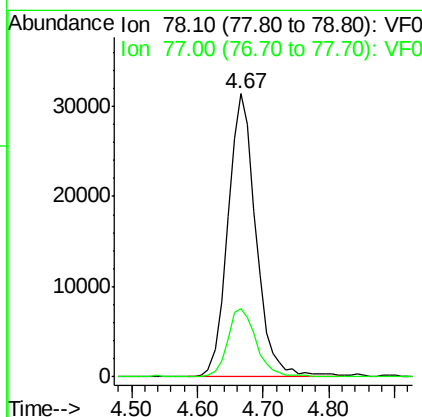
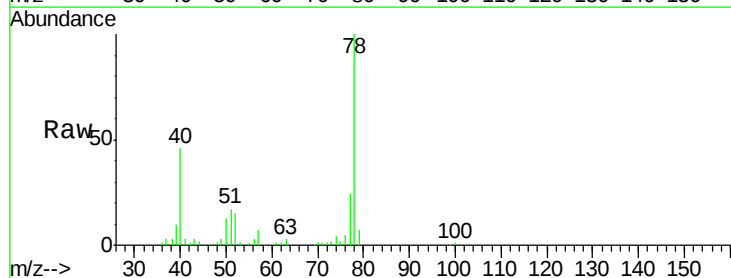
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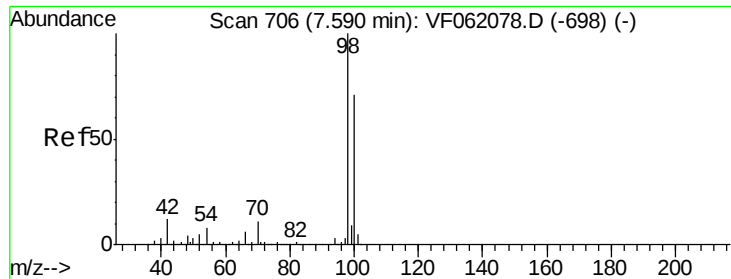
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#40
Benzene
Concen: 102.267 ug/l
RT: 4.67 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF062086.D
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Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.8	29.6	





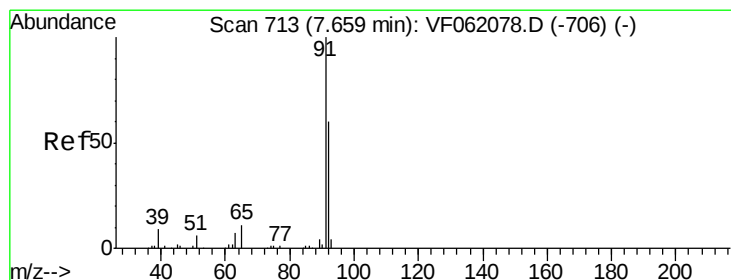
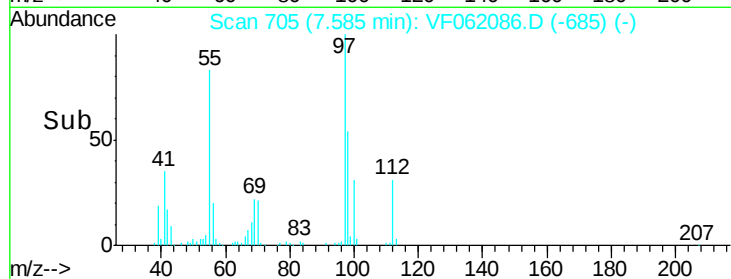
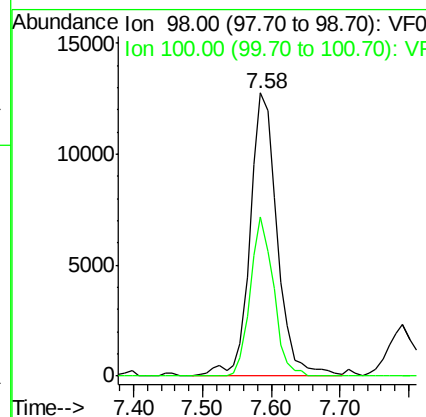
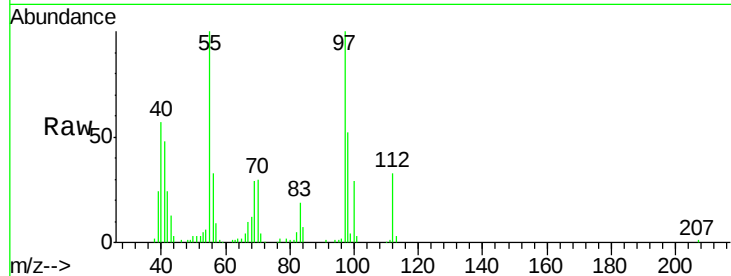
#50
Toluene-d8
Concen: 48.358 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion: 98 Resp: 35107
Ion Ratio Lower Upper
98 100
100 56.2 57.0 85.6#

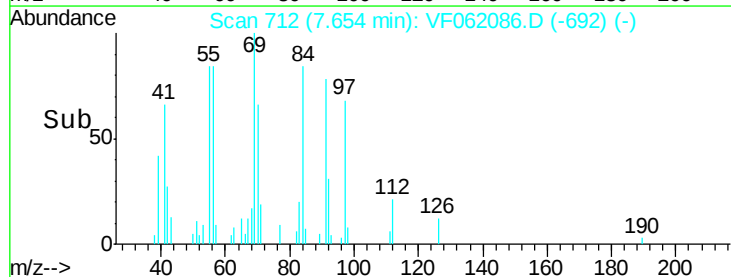
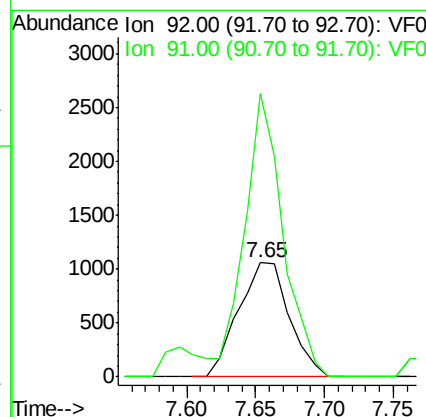
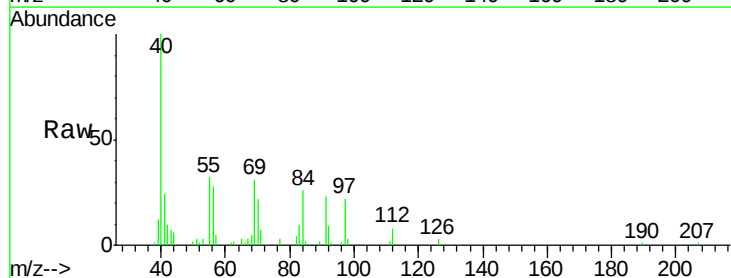
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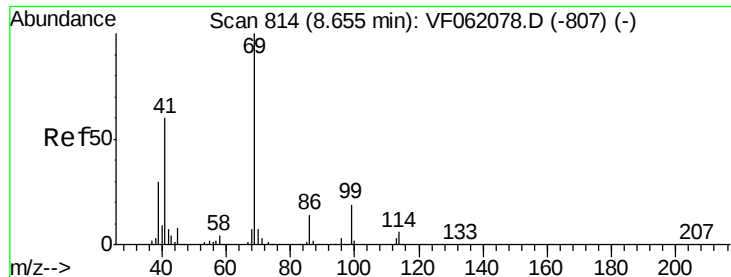
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#52
Toluene
Concen: 5.108 ug/l
RT: 7.65 min Scan# 712
Delta R.T. -0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Tgt Ion: 92 Resp: 2716
Ion Ratio Lower Upper
92 100
91 248.3 134.1 201.1#





#56

Ethyl methacrylate

Concen: 745.789 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Instrument :

MSVOA_F

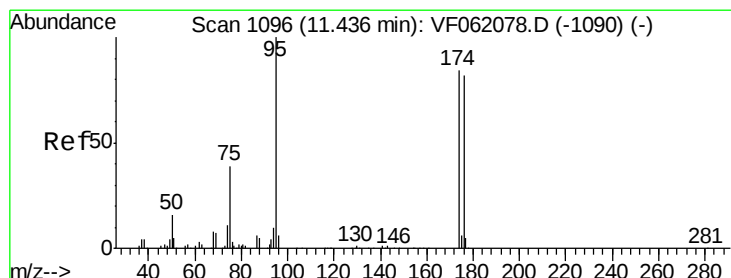
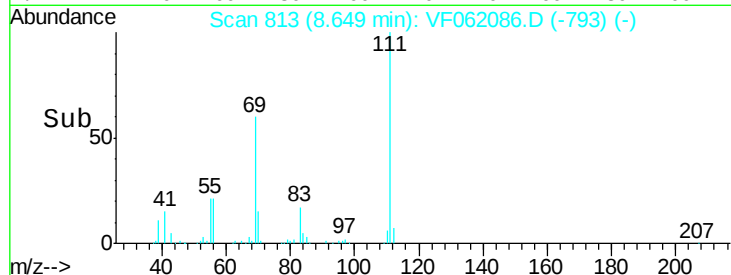
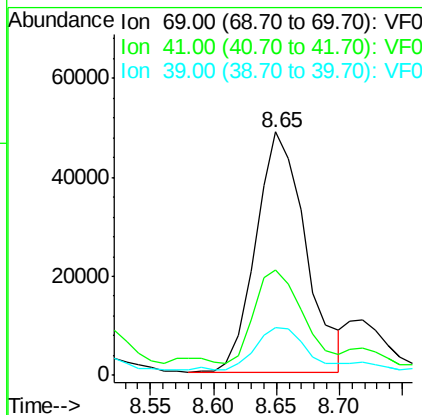
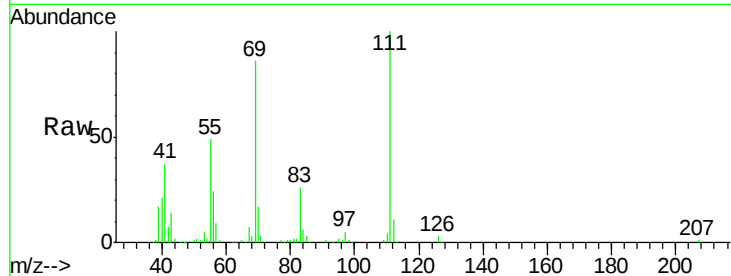
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Tot Ion:	69	Resp:	134339
Ion Ratio	Lower	Upper	
69	100		
41	43.0	48.2	72.2#
39	19.5	24.0	36.0#

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#62

4-Bromofluorobenzene

Concen: 68.406 ug/l m

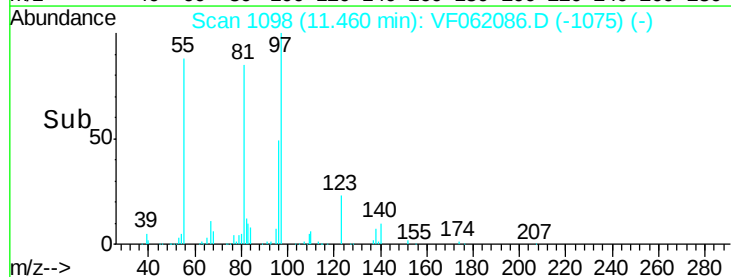
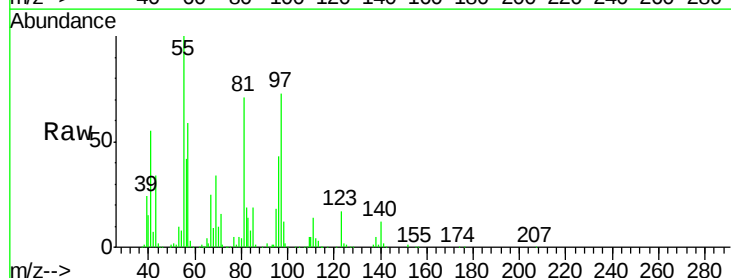
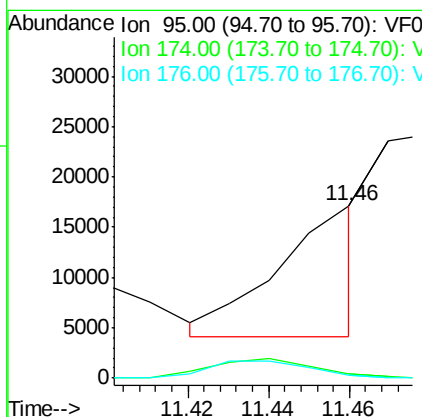
RT: 11.46 min Scan# 1098

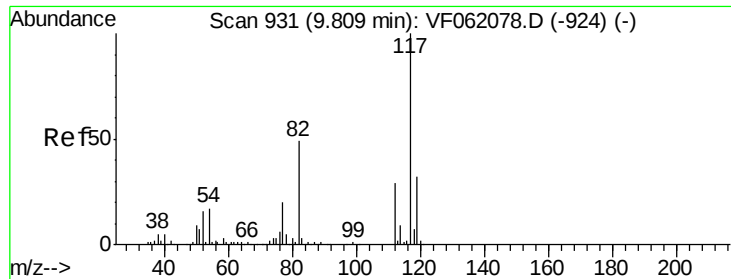
Delta R.T. 0.02 min

Lab File: VF062086.D

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Tgt Ion:	95	Resp:	19172
Ion Ratio	Lower	Upper	
95	100		
174	2.3	0.0	168.2
176	1.9	0.0	164.2





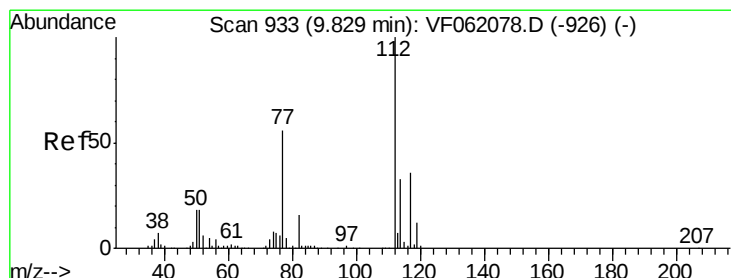
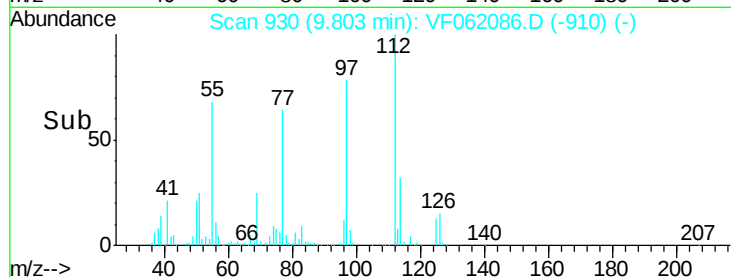
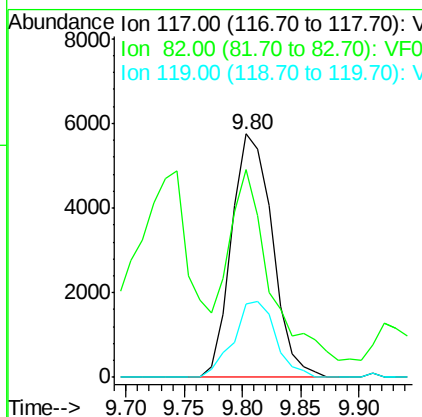
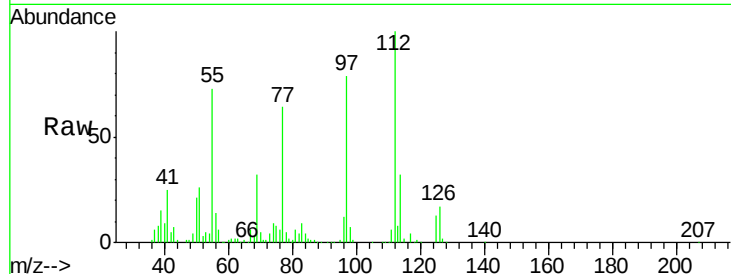
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

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Tot Ion	Ratio	Lower	Upper
117	100		
82	85.3	39.2	58.8#
119	30.3	25.4	38.2

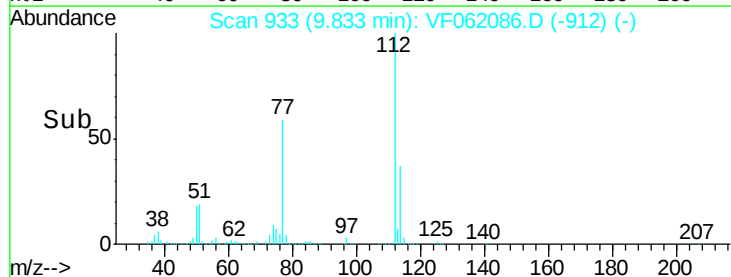
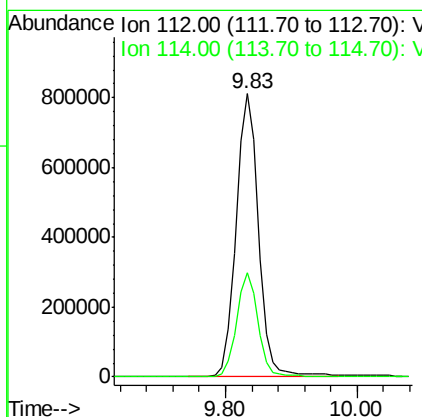
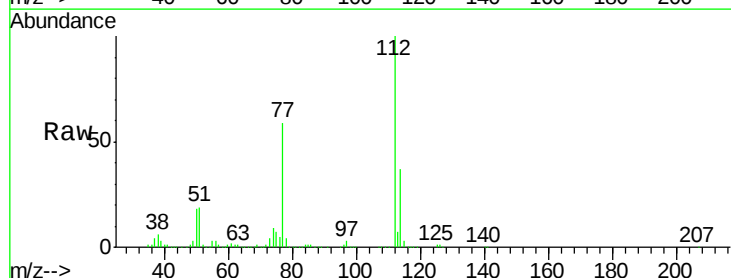
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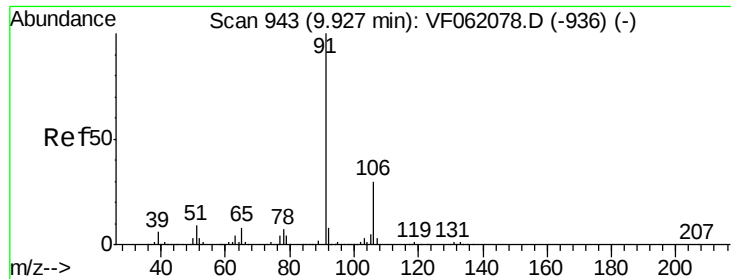
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#65
Chlorobenzene
Concen: 7427.681 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.6	26.0	39.0





#67

Ethyl Benzene

Concen: 15.518 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 91 Resp: 7042

Ion Ratio Lower Upper

91 100

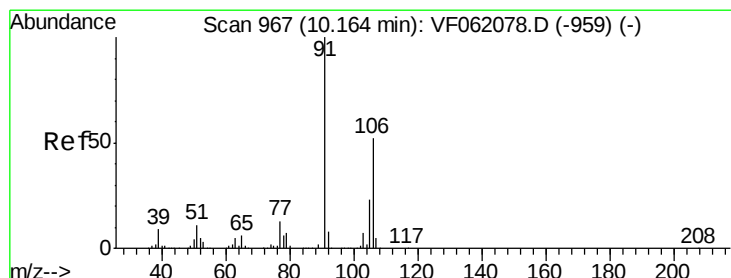
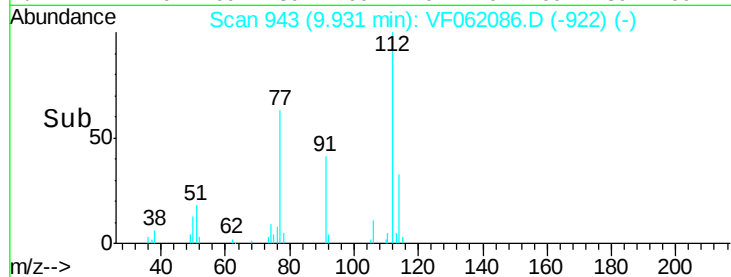
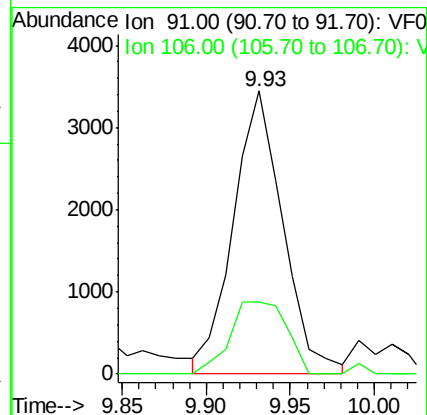
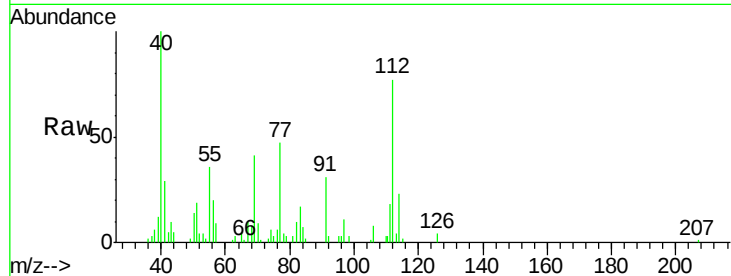
106 25.4 24.0 36.0

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#68

m/p-Xylenes

Concen: 18.242 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062086.D

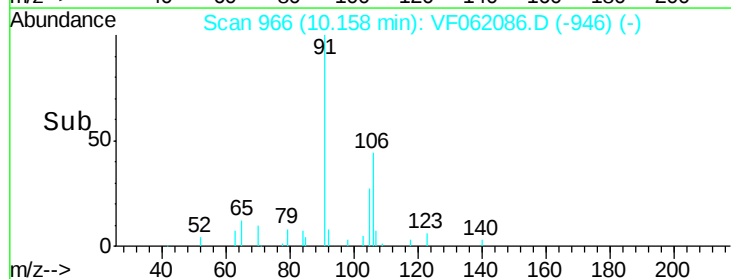
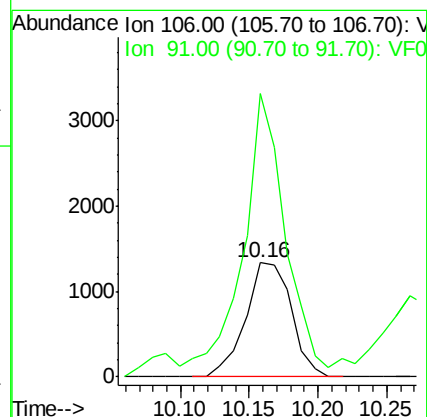
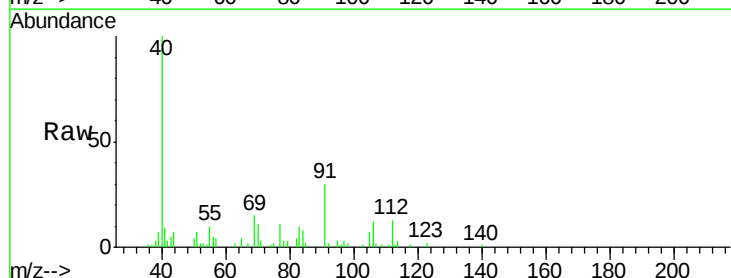
Acq: 22 Mar 2019 16:53

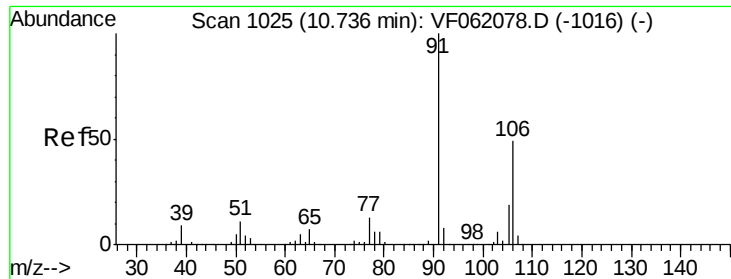
Tgt Ion: 106 Resp: 3094

Ion Ratio Lower Upper

106 100

91 248.4 154.4 231.6#





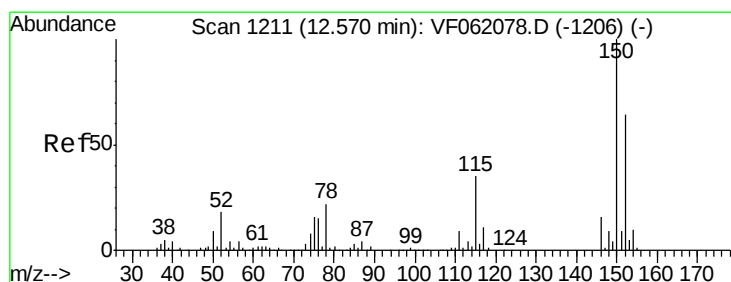
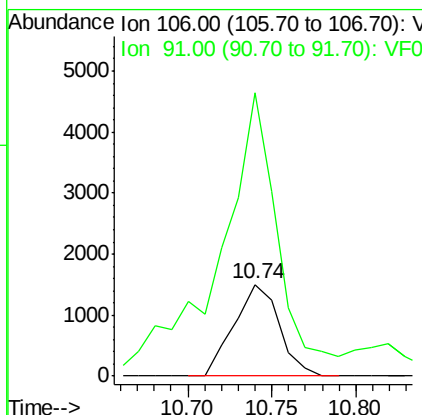
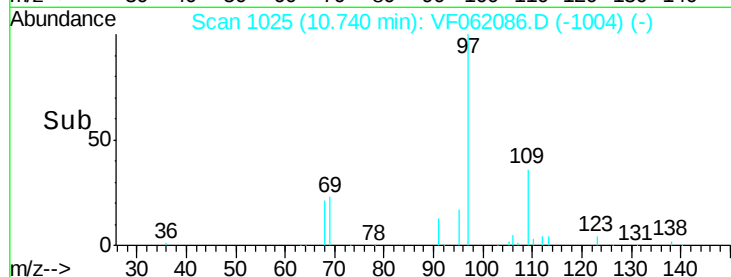
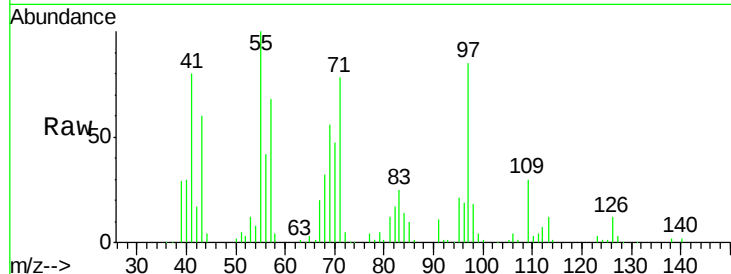
#69
o-Xylene
Concen: 15.728 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
WP022SB442-190319-FD-(12-14)

Tot Ion:106 Resp: 2794
Ion Ratio Lower Upper
106 100
91 309.2 102.6 307.8#

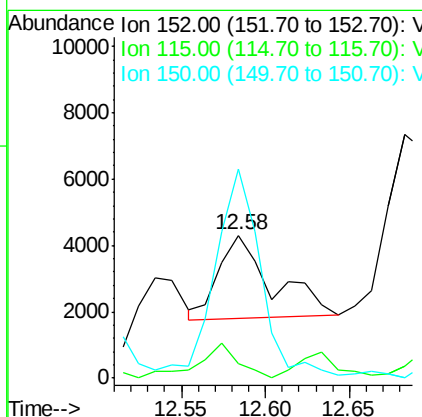
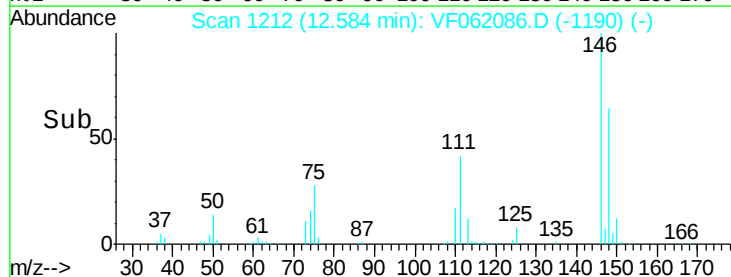
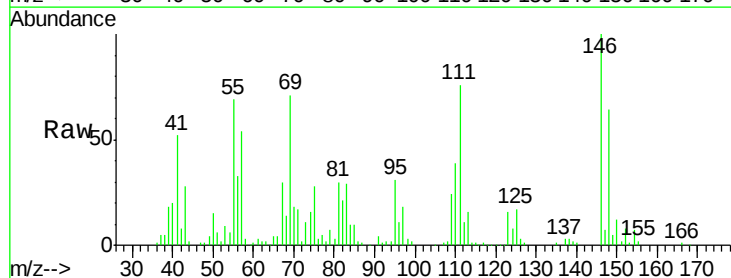
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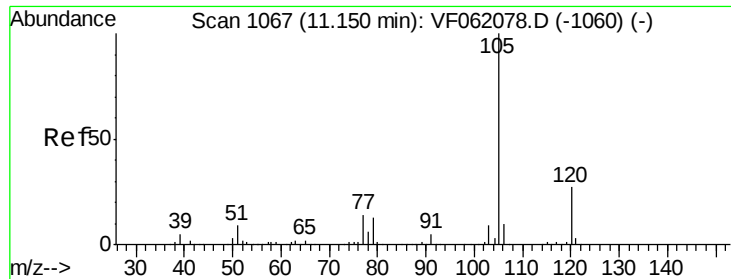
MMDadoda
3/27/2019 11:57:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Tgt Ion:152 Resp: 5552
Ion Ratio Lower Upper
152 100
115 10.5 27.7 83.1#
150 146.7 0.0 313.2





#73

Isopropylbenzene

Concen: 96.118 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

WP022SB442-190319-FD-(12-14)

Tot Ion:105 Resp: 37551

Ion Ratio Lower Upper

105 100

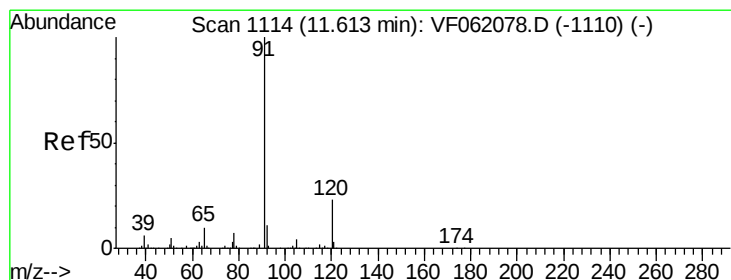
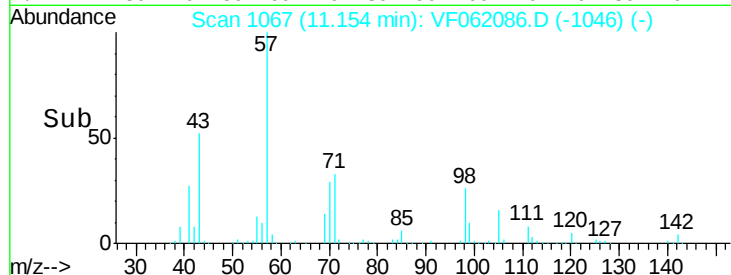
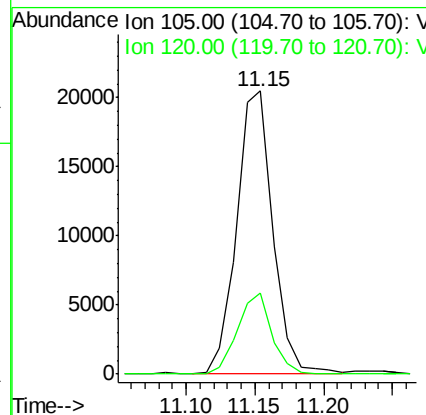
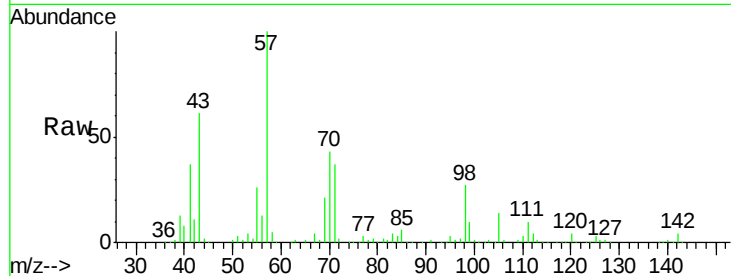
120 28.7 13.8 41.3

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#78

n-propylbenzene

Concen: 195.177 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062086.D

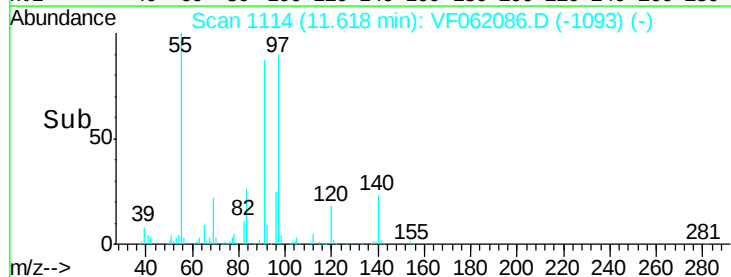
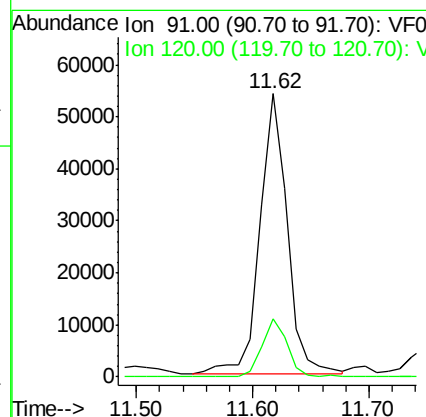
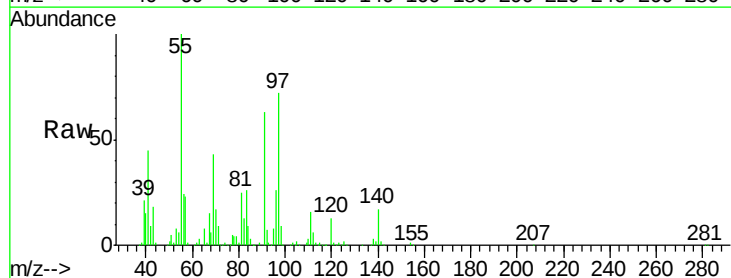
Acq: 22 Mar 2019 16:53

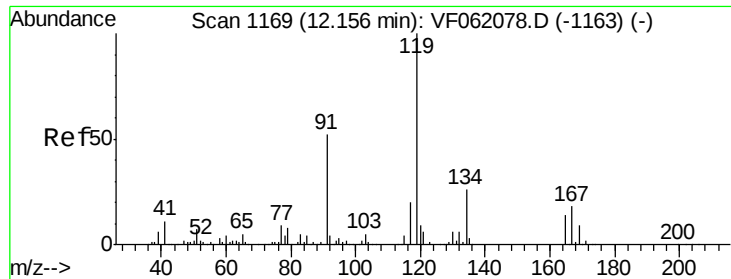
Tgt Ion: 91 Resp: 88541

Ion Ratio Lower Upper

91 100

120 20.6 11.3 33.8





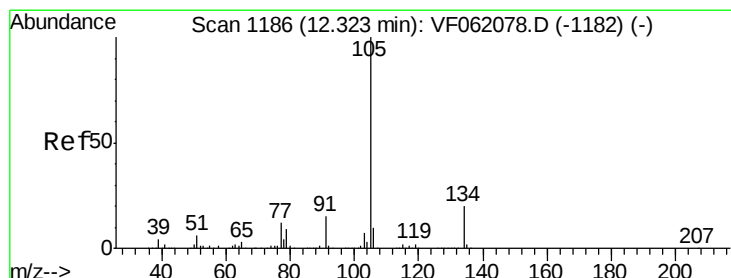
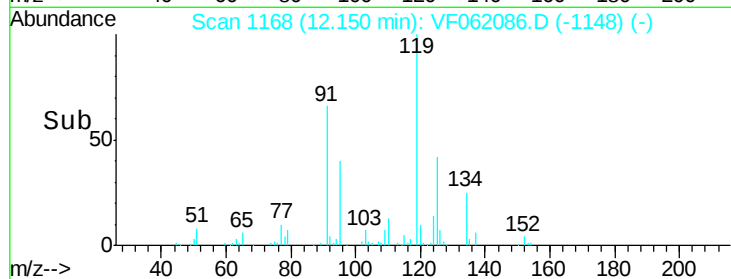
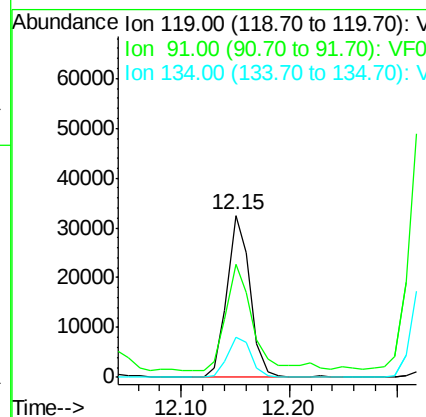
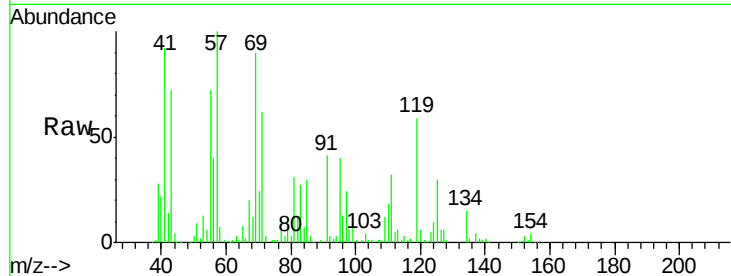
#83
tert-Butylbenzene
Concen: 144.219 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
WP022SB442-190319-FD-(12-14)

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	26.1	78.2
134	25.0	12.8	38.4

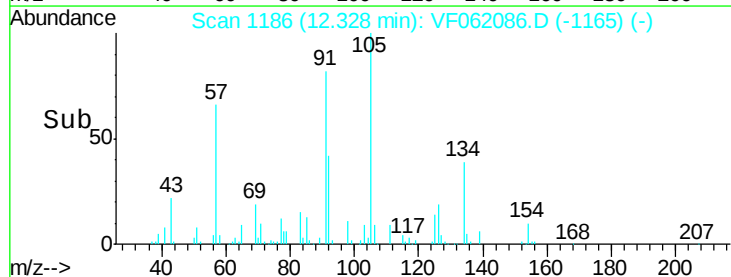
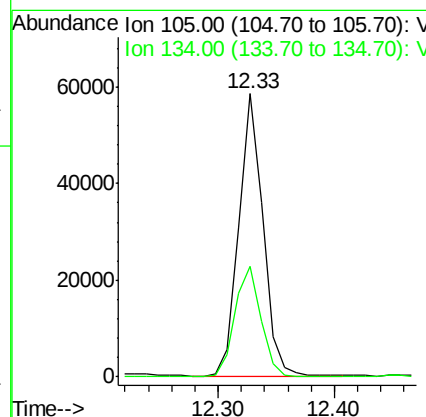
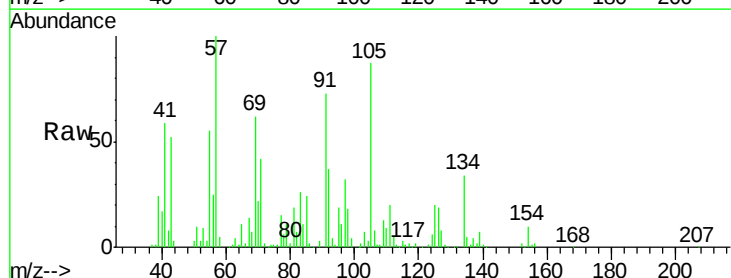
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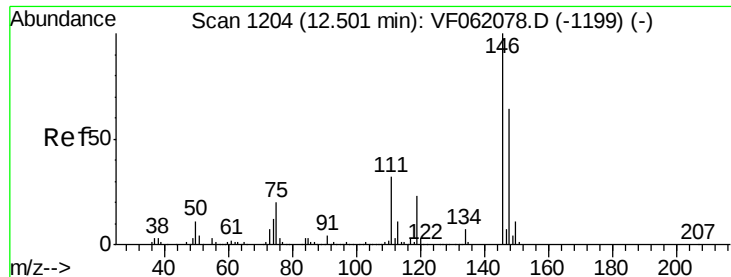
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#85
sec-Butylbenzene
Concen: 193.178 ug/l
RT: 12.33 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF062086.D
Acq: 22 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
134	39.1	10.2	30.4





#87

1,3-Dichlorobenzene

Concen: 388.106 ug/l

RT: 12.50 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Instrument :

MSVOA_F

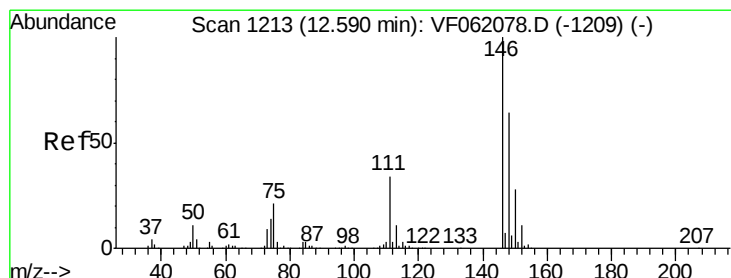
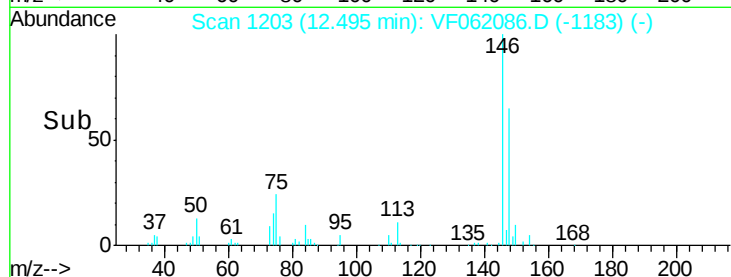
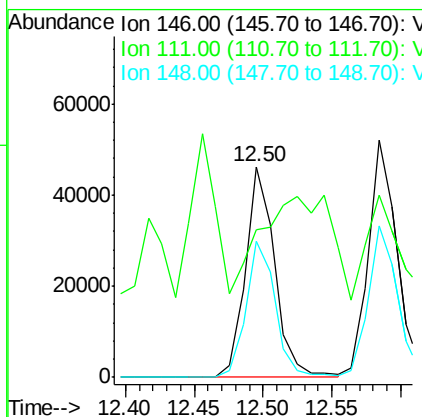
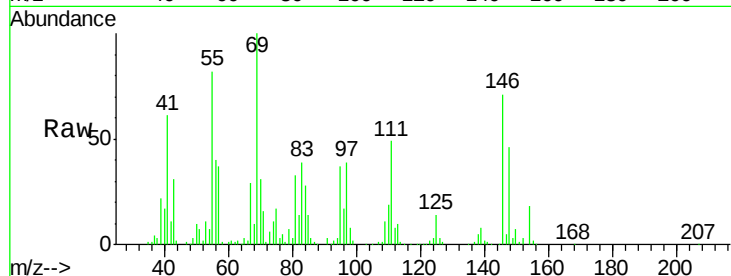
ClientSampleId :

WP022SB442-190319-FD-(12-14)

Tot Ion	Ratio	Lower	Upper
146	100		
111	70.1	16.1	48.3#
148	64.9	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 439.579 ug/l

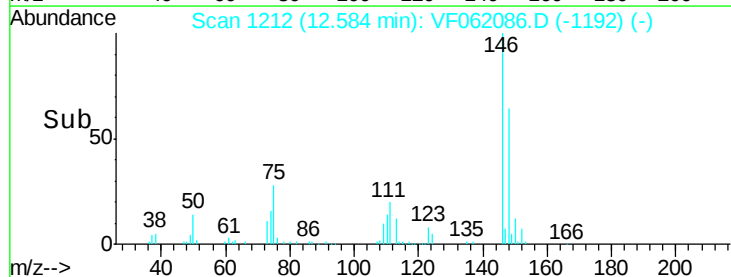
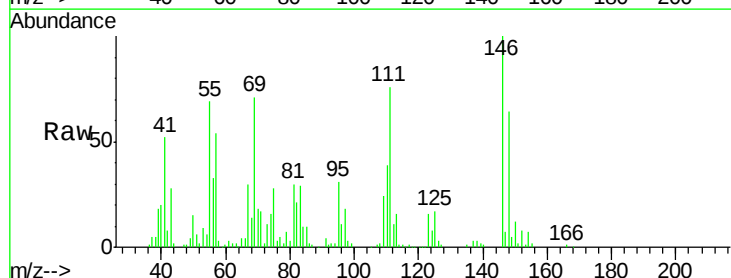
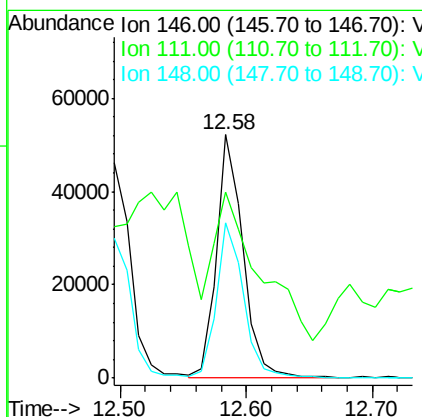
RT: 12.58 min Scan# 1212

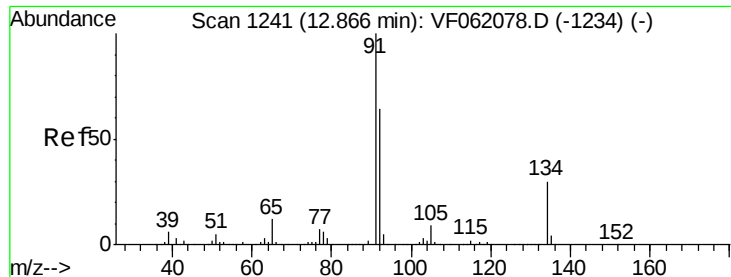
Delta R.T. -0.01 min

Lab File: VF062086.D

Acq: 22 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	76.4	16.9	50.6#
148	63.7	31.9	95.7





#89
 n-Butylbenzene
 Concen: 157.847 ug/l
 RT: 12.86 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VF062086.D
 Acq: 22 Mar 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB442-190319-FD-(12-14)

Tot Ion:	91	Resp:	56778
Ion Ratio	Lower	Upper	
91	100		
92	62.4	31.9	95.5
134	22.8	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:18 AM

