

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062015.D
 Acq On : 19 Mar 2019 13:47
 Operator : VA/AP
 Sample : K1693-09
 Misc : 6.50g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-031819-A

Manual Integrations
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MMDadoda
 3/20/2019 3:39:14 PM

Quant Time: Mar 20 05:46:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	230579	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	293344	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	106156	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	108258	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	101785	61.32	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	122.64%	
35) Dibromofluoromethane	4.09	113	143834	73.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	146.04%	
50) Toluene-d8	7.53	98	42788	7.43	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	14.86%	
62) 4-Bromofluorobenzene	11.39	95	121275	53.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.02%	
Target Compounds						
					Qvalue	
16) Acetone	2.23	43	25958	69.646	ug/l	100
20) Methylene Chloride	2.17	84	11504m	5.995	ug/l	
52) Toluene	7.59	92	5189	1.210	ug/l	97
67) Ethyl Benzene	9.88	91	10356	3.060	ug/l	99
68) m/p-Xylenes	10.11	106	2573	2.022	ug/l #	31
69) o-Xylene	10.69	106	10241	7.520	ug/l	88
78) n-propylbenzene	11.58	91	12747	1.482	ug/l	95
80) 1,3,5-Trimethylbenzene	11.80	105	24263	4.016	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	11326	1.872	ug/l	97
85) sec-Butylbenzene	12.29	105	8916	1.044	ug/l	98
89) n-Butylbenzene	12.82	91	20107	3.004	ug/l #	33
95) Naphthalene	14.44	128	21020	5.323	ug/l #	81

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

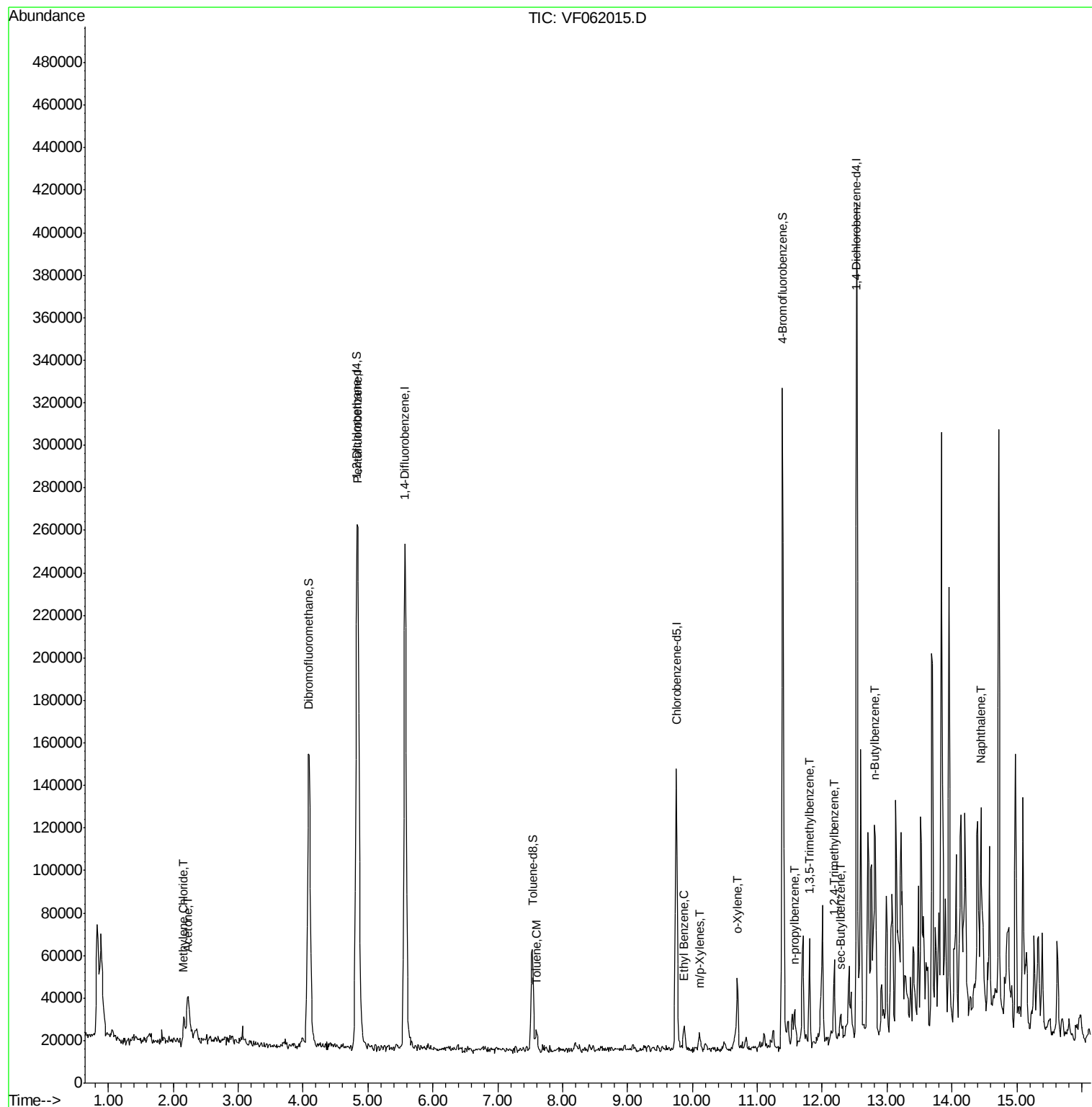
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062015.D
Acq On : 19 Mar 2019 13:47
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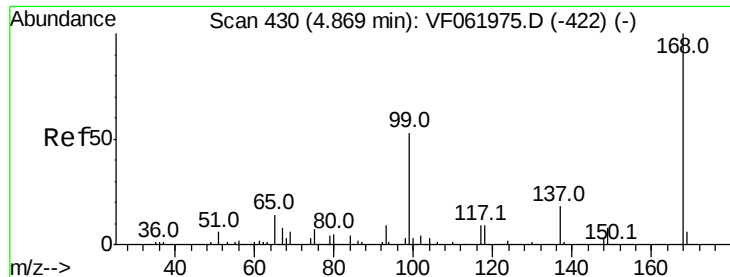
Instrument :
MSVOA_F
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OR-03-031819-A

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Quant Time: Mar 20 05:46:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
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#1

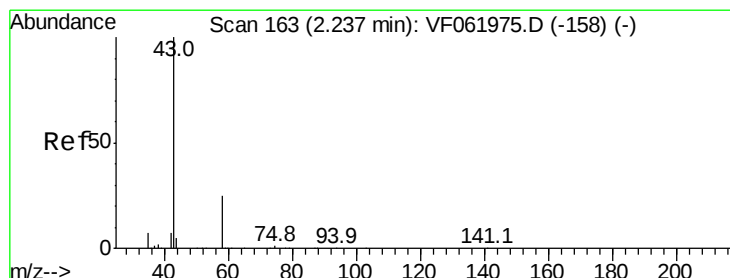
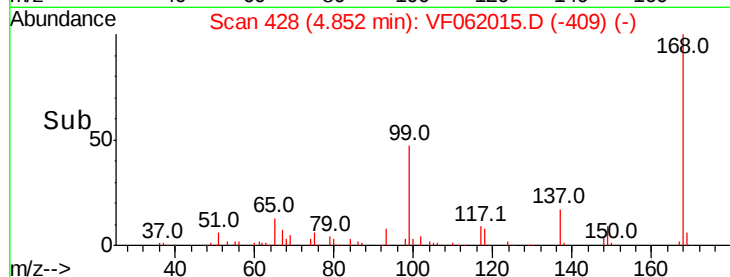
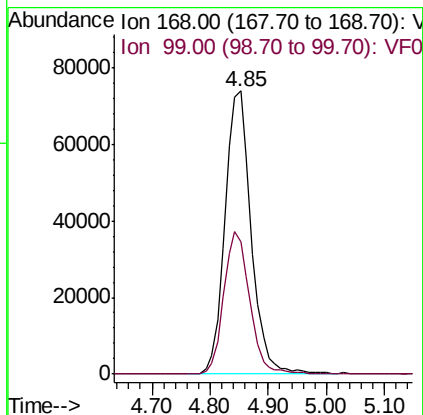
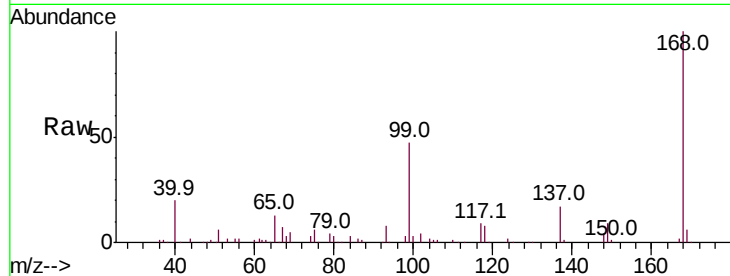
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.02 min
 Lab File: VF062015.D
 Acq: 19 Mar 2019 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-031819-A

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.9	42.4	63.6

Manual Integrations
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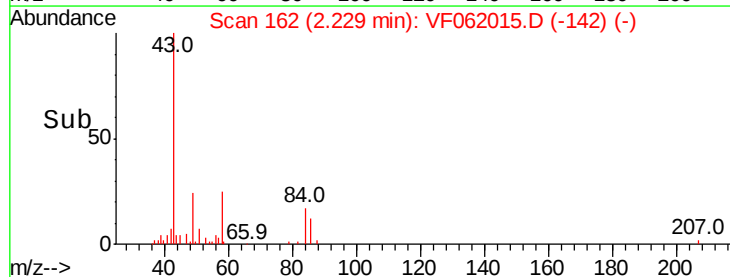
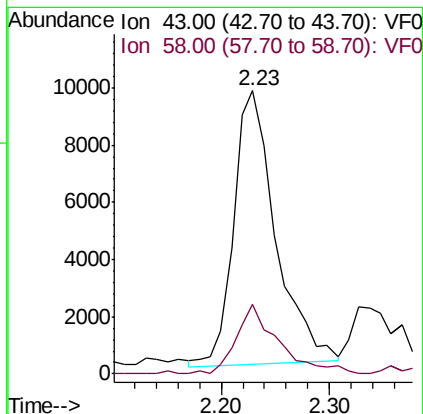
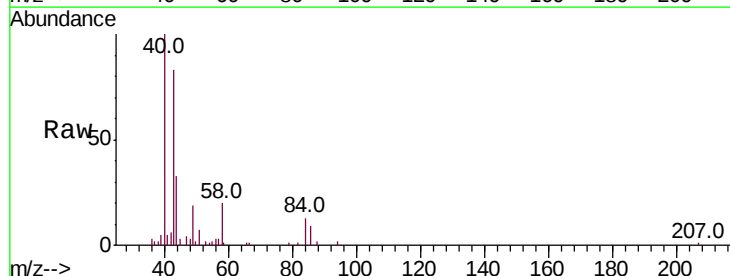
MMDadoda
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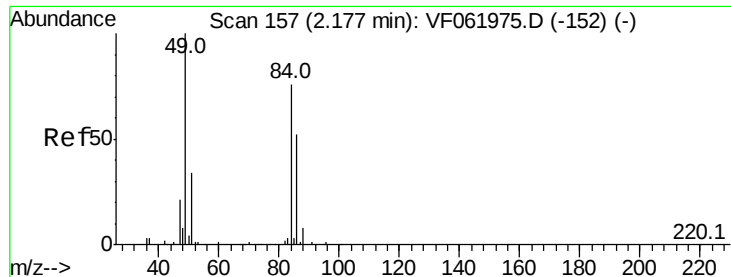


#16

Acetone
 Concen: 69.646 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF062015.D
 Acq: 19 Mar 2019 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.9	29.9





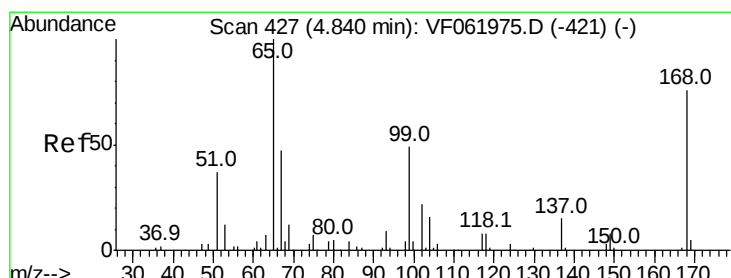
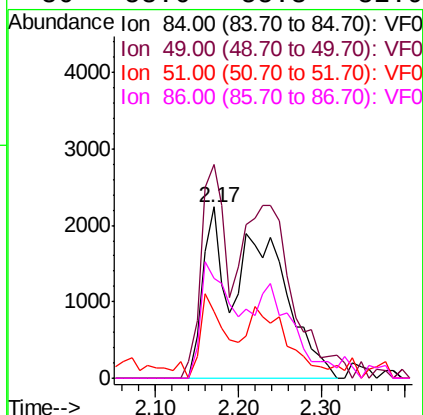
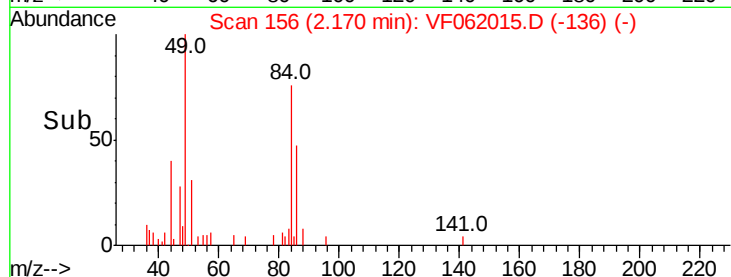
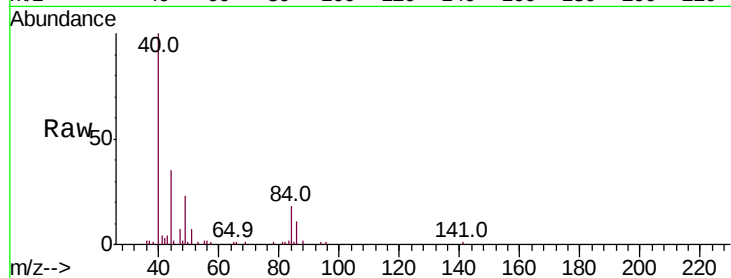
#20
Methvlene Chloride
Concen: 5.995 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-A

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	124.7	107.0	160.6	
51	38.7	37.2	55.8	
86	58.6	55.3	82.9	

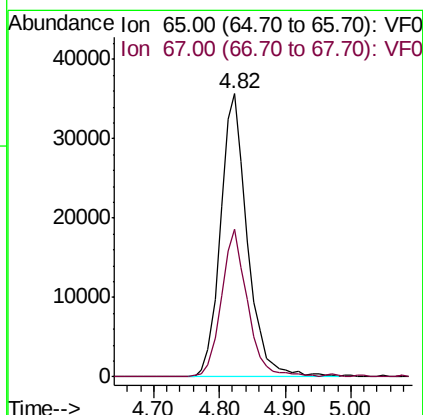
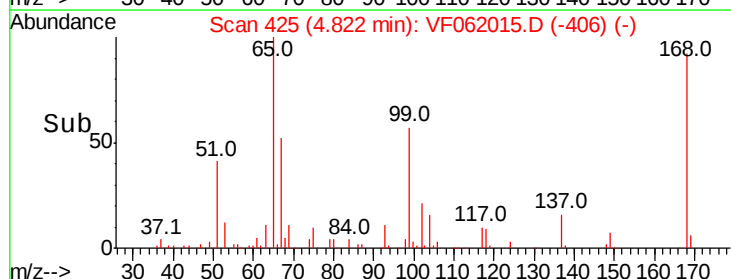
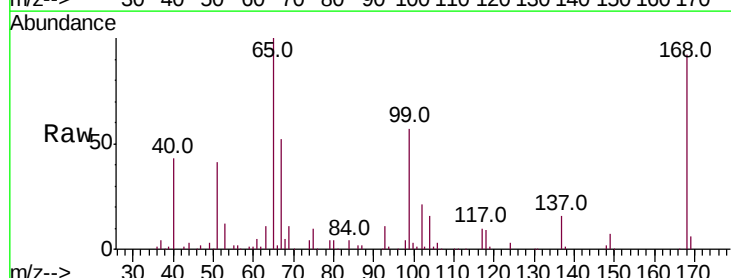
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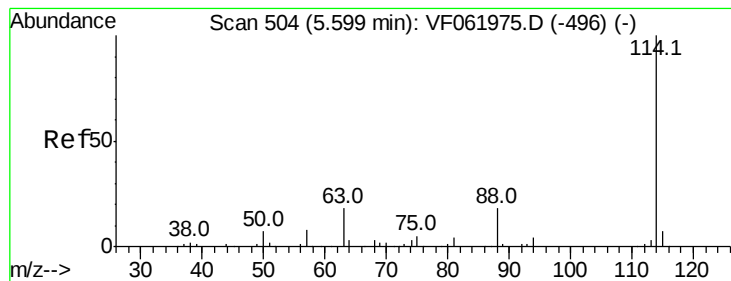
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#33
1,2-Dichloroethane-d4
Concen: 61.324 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	52.1	0.0	109.4	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Instrument :

MSVOA_F

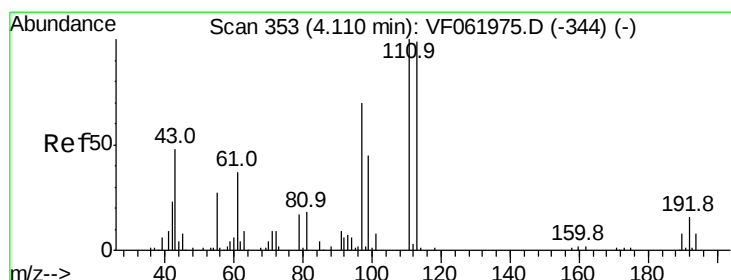
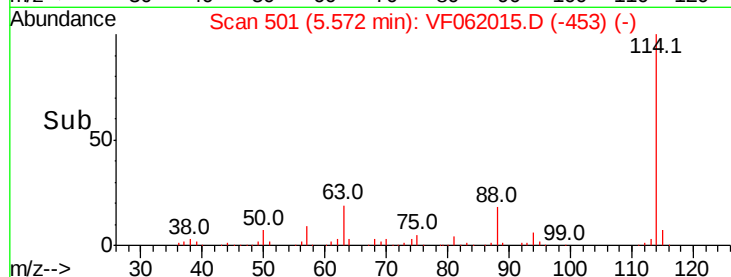
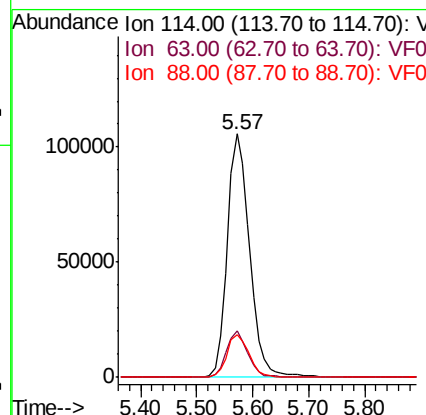
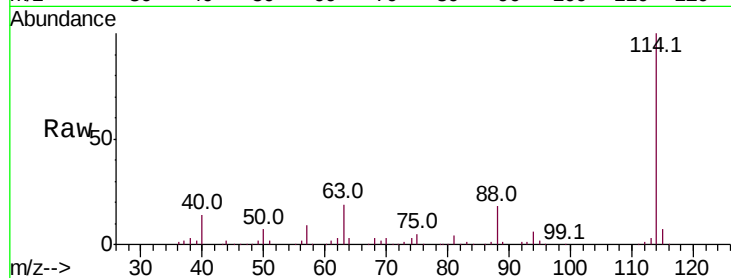
ClientSampleId :

OR-03-031819-A

Tot Ion:	114	Resp:	293344
Ion Ratio	Lower	Upper	
114	100		
63	19.1	0.0	36.4
88	17.6	0.0	36.4

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#35

Dibromofluoromethane

Concen: 73.017 ug/l

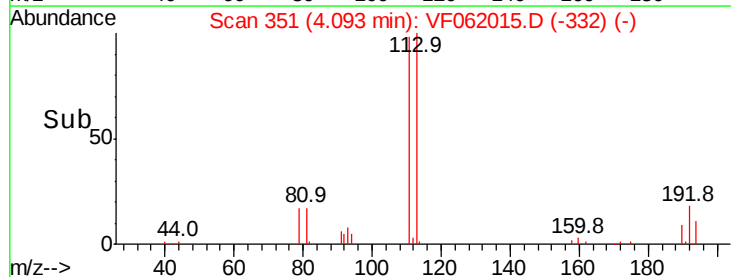
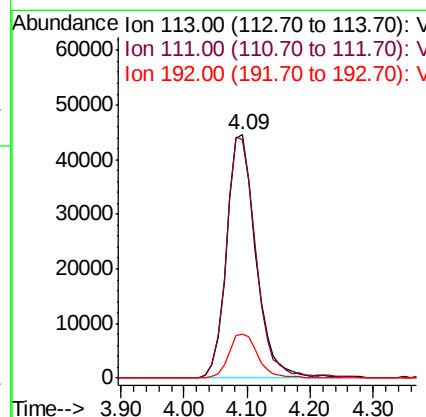
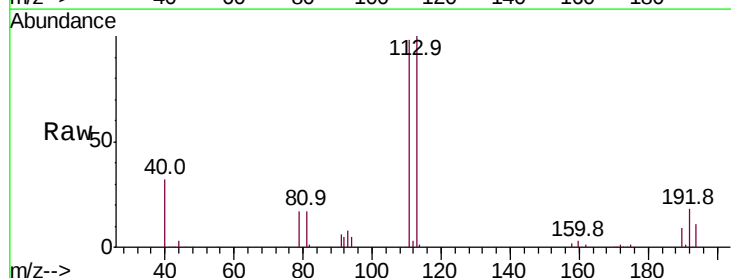
RT: 4.09 min Scan# 351

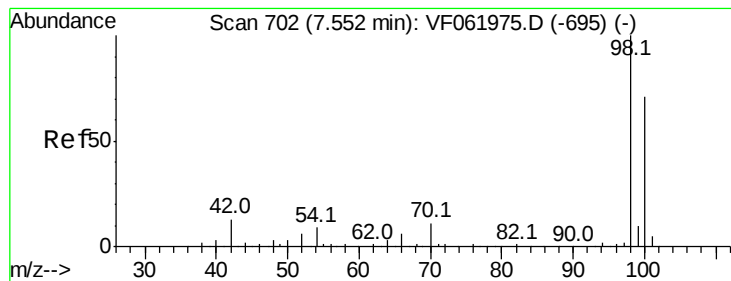
Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Tgt Ion:	113	Resp:	143834
Ion Ratio	Lower	Upper	
113	100		
111	97.8	80.8	121.2
192	18.3	13.0	19.6





#50

Toluene-d8

Concen: 7.430 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

OR-03-031819-A

Tot Ion: 98 Resp: 42788

Ion Ratio Lower Upper

98 100

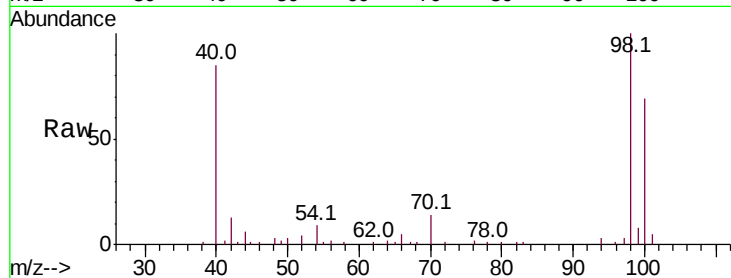
100 68.5 56.8 85.2

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

20000

15000

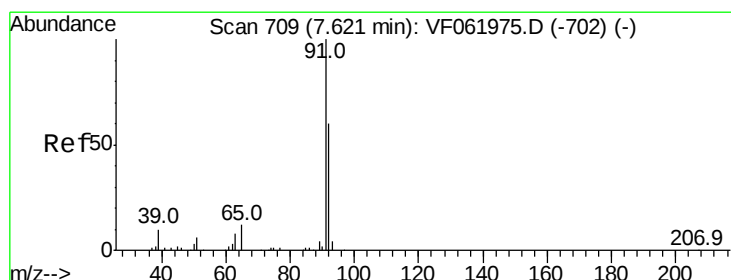
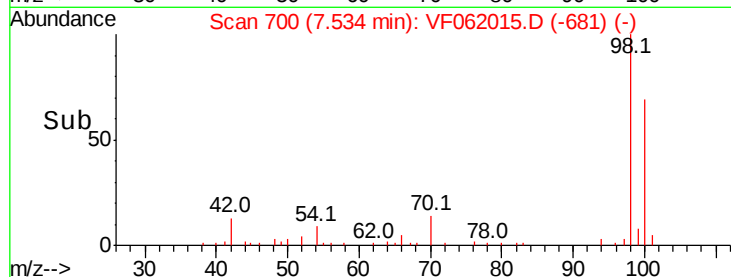
10000

5000

0

7.45 7.50 7.55 7.60

Time-->



#52

Toluene

Concen: 1.210 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF062015.D

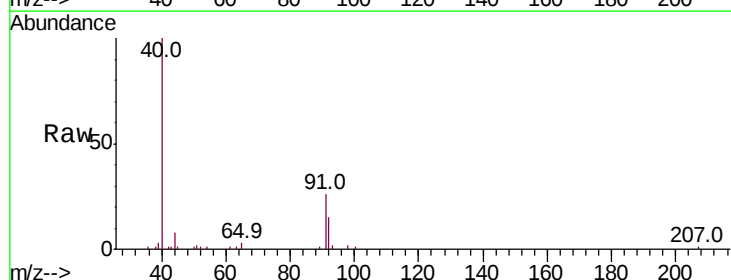
Acq: 19 Mar 2019 13:47

Tgt Ion: 92 Resp: 5189

Ion Ratio Lower Upper

92 100

91 172.1 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

4000

3000

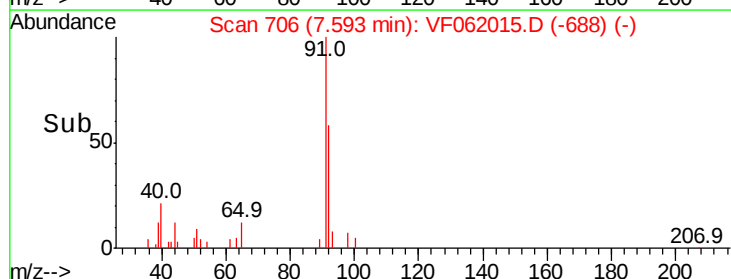
2000

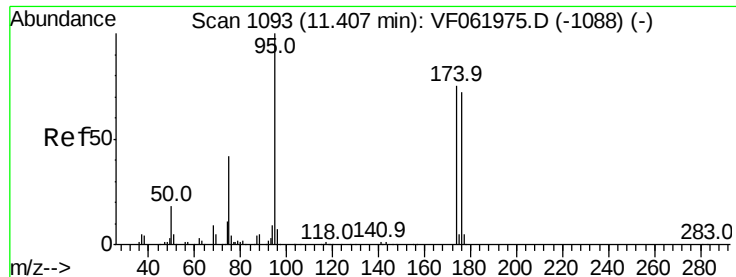
1000

0

7.50 7.55 7.60 7.65

Time-->





#62

4-Bromofluorobenzene

Concen: 53.013 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Instrument :

MSVOA_F

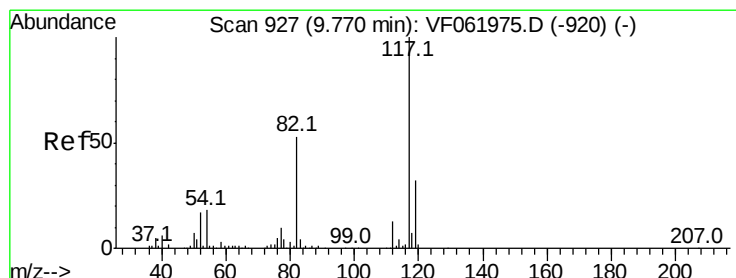
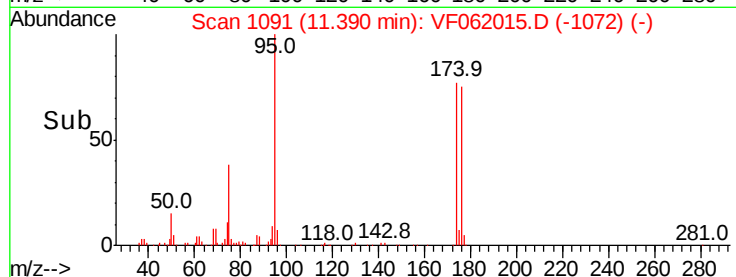
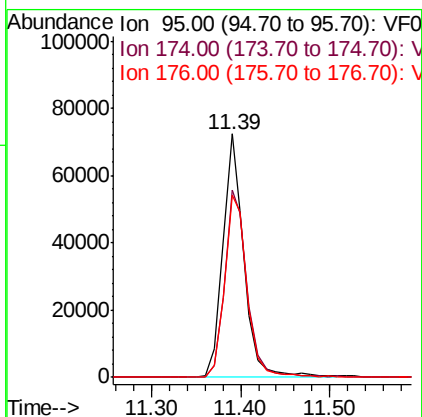
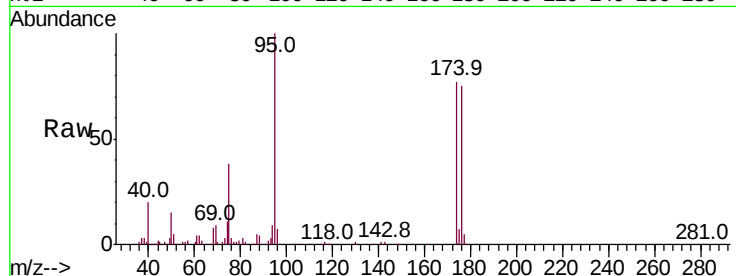
ClientSampleId :

OR-03-031819-A

Tot Ion:	95	Resp:	121275
Ion Ratio	Lower	Upper	
95	100		
174	77.1	0.0	149.4
176	74.8	0.0	143.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

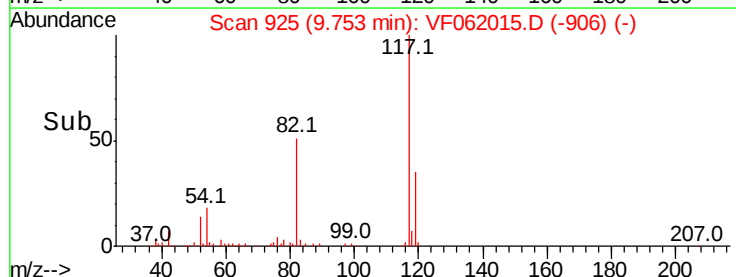
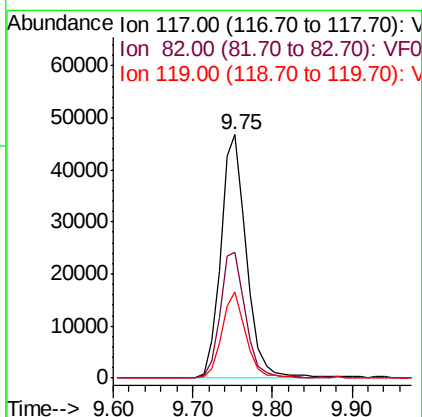
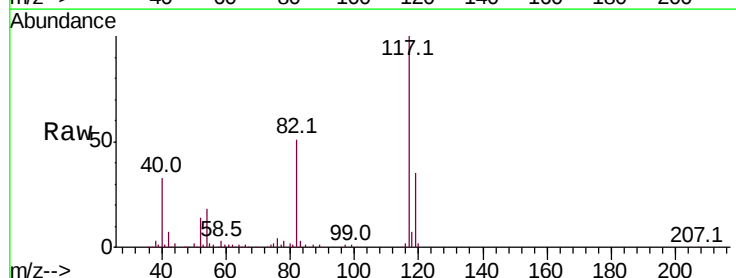
RT: 9.75 min Scan# 925

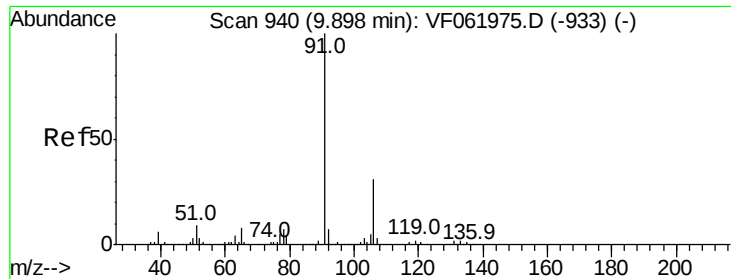
Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Tgt Ion:	117	Resp:	106156
Ion Ratio	Lower	Upper	
117	100		
82	51.5	42.5	63.7
119	35.4	25.4	38.0





#67

Ethyl Benzene

Concen: 3.060 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

OR-03-031819-A

Tot Ion: 91 Resp: 10356

Ion Ratio Lower Upper

91 100

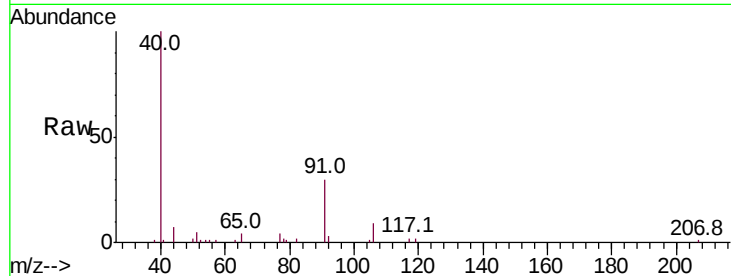
106 30.9 24.4 36.6

Manual Integrations

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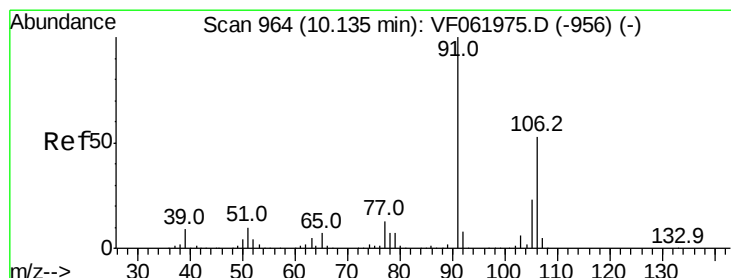
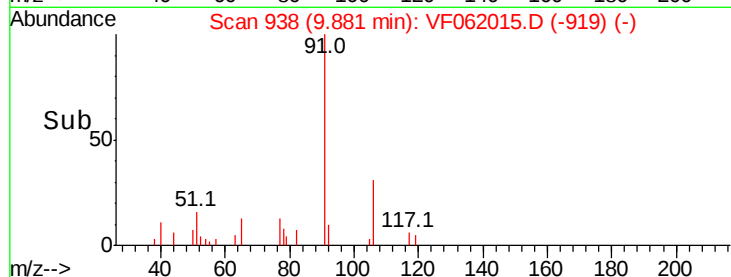
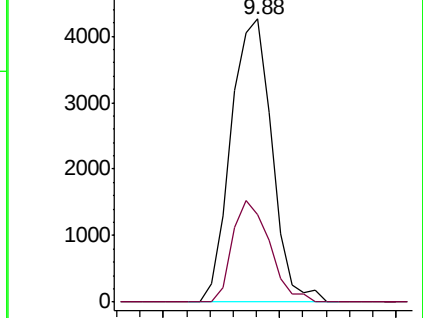
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.022 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062015.D

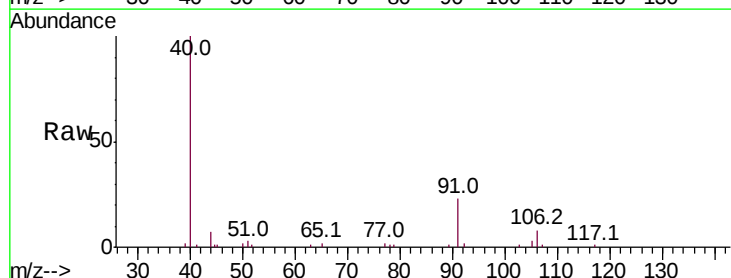
Acq: 19 Mar 2019 13:47

Tgt Ion:106 Resp: 2573

Ion Ratio Lower Upper

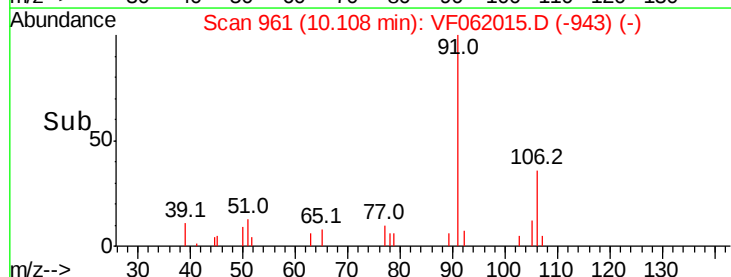
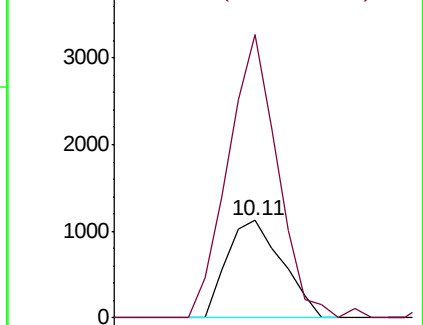
106 100

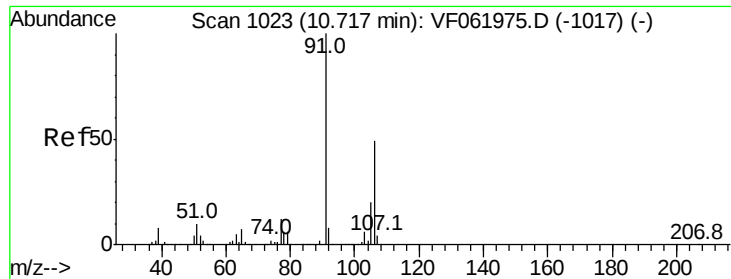
91 291.3 151.9 227.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





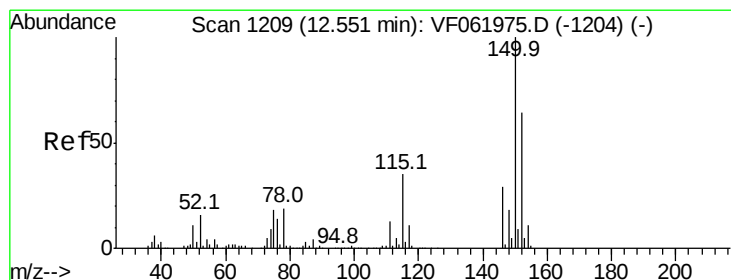
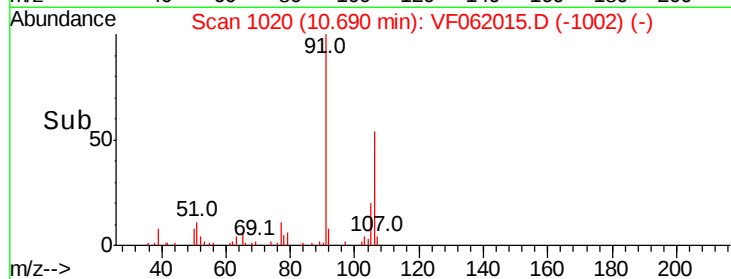
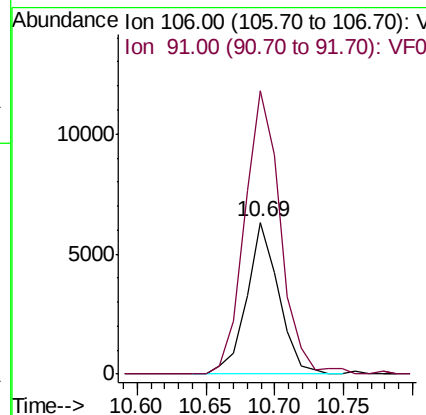
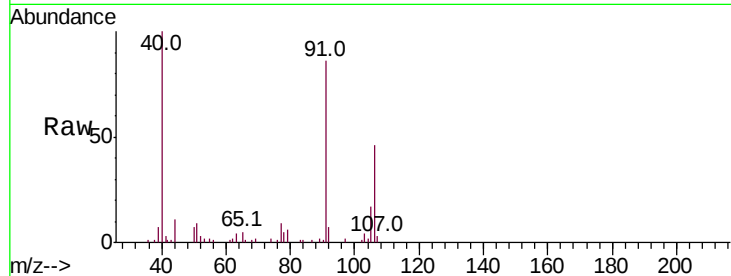
#69
o-Xylene
Concen: 7.520 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-A

Tot Ion	Ratio	Lower	Upper
106	100		
91	186.5	102.3	306.8

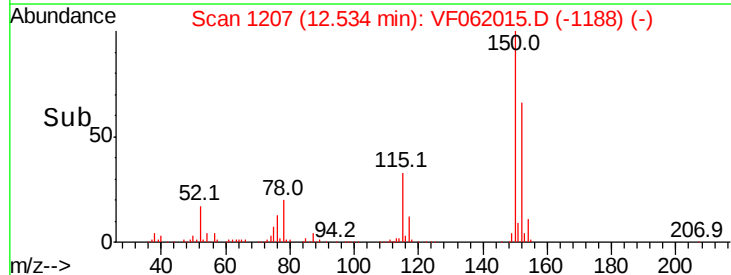
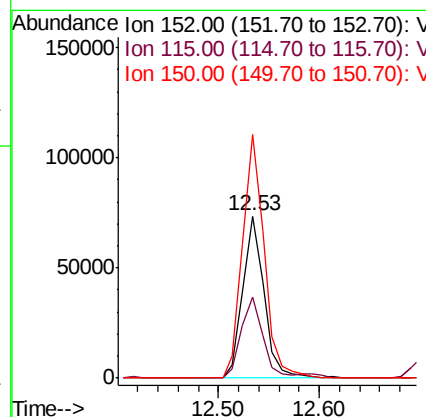
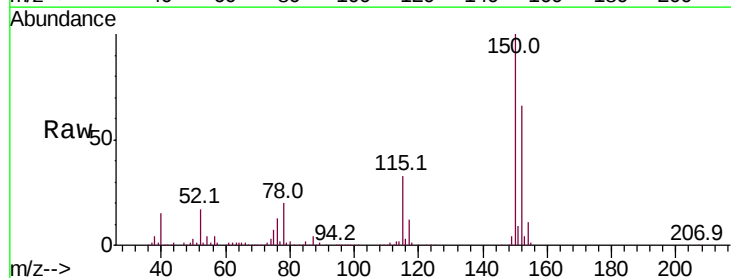
Manual Integrations
APPROVED

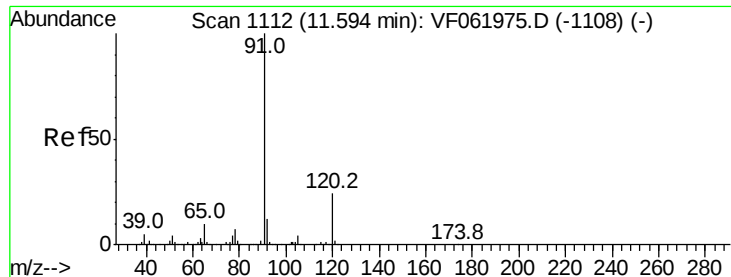
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.8	27.3	81.9
150	150.4	0.0	316.2





#78

n-propylbenzene

Concen: 1.482 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062015.D

Acq: 19 Mar 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

OR-03-031819-A

Tot Ion: 91 Resp: 12747

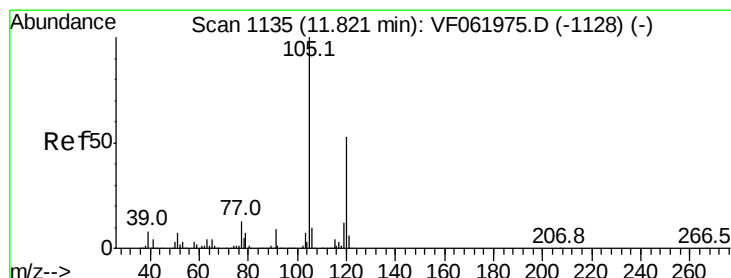
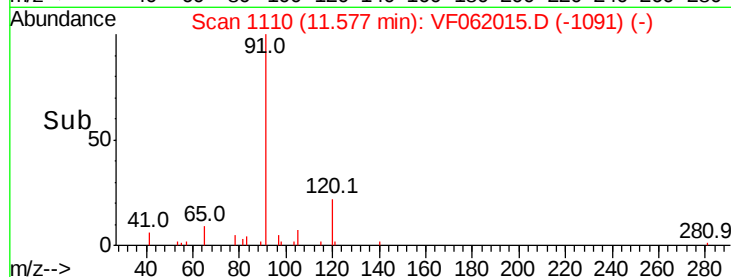
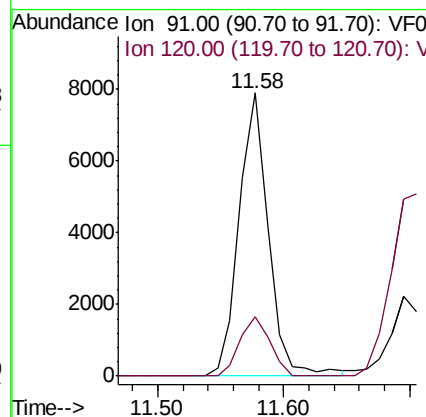
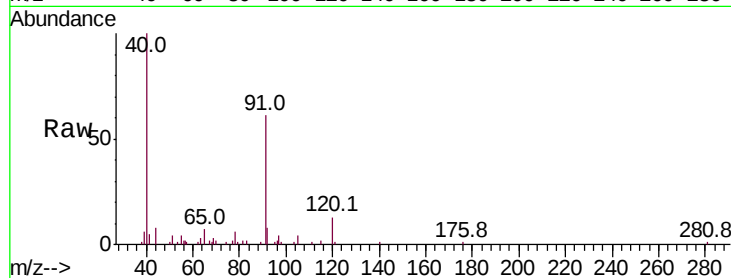
Ion Ratio Lower Upper

91 100

120 21.2 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 4.016 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF062015.D

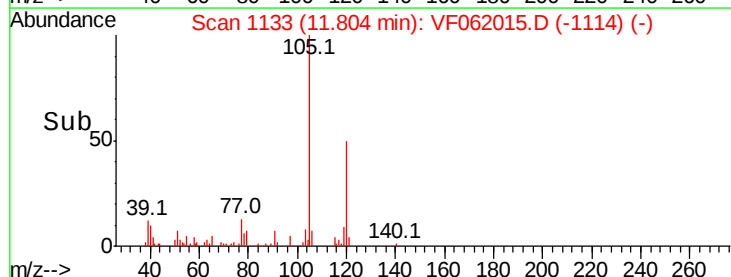
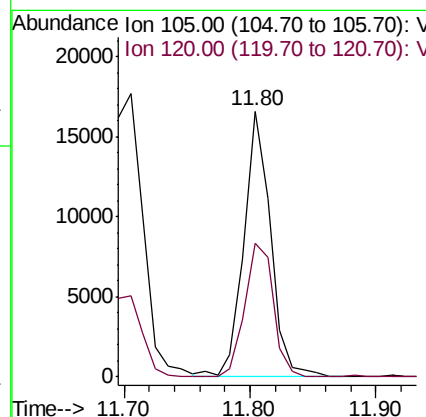
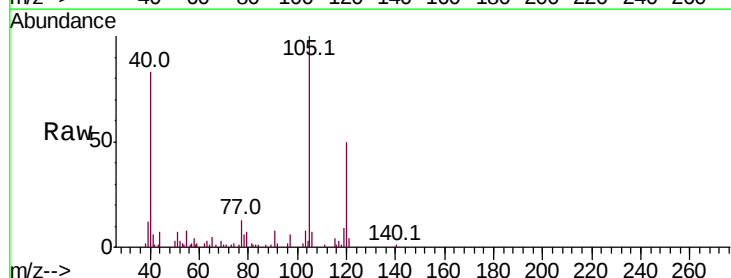
Acq: 19 Mar 2019 13:47

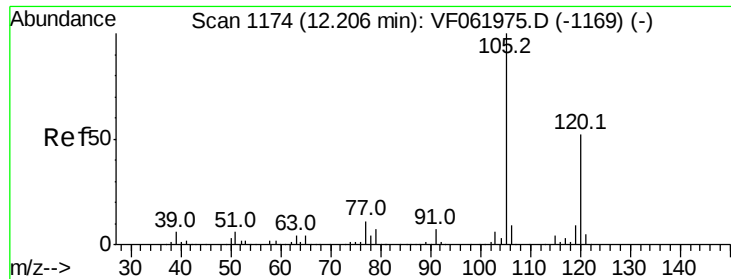
Tgt Ion: 105 Resp: 24263

Ion Ratio Lower Upper

105 100

120 50.3 26.6 79.7





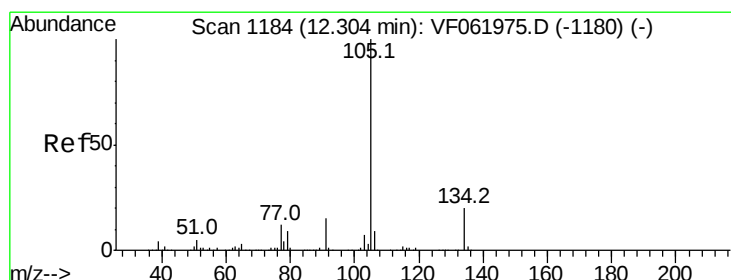
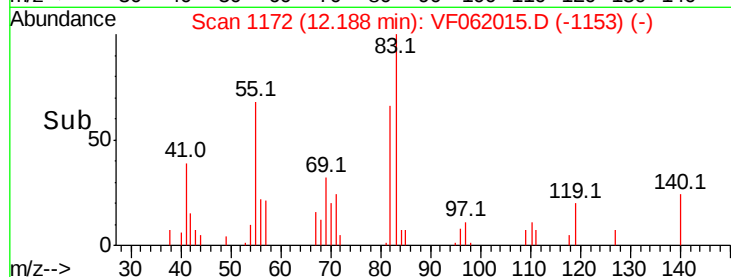
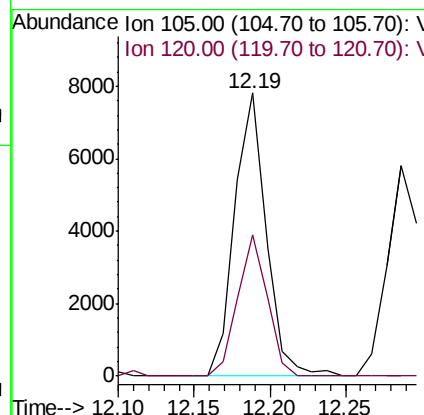
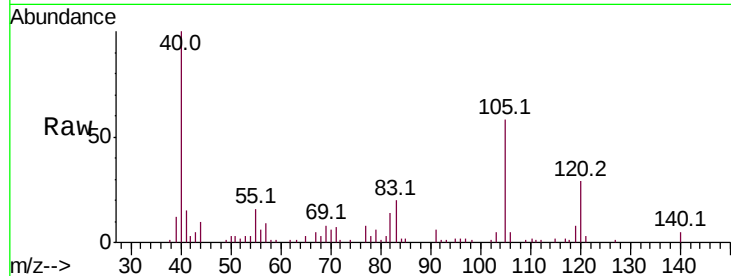
#84
1,2,4-Trimethylbenzene
Concen: 1.872 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-A

Tot Ion:105 Resp: 11326
Ion Ratio Lower Upper
105 100
120 49.7 25.9 77.8

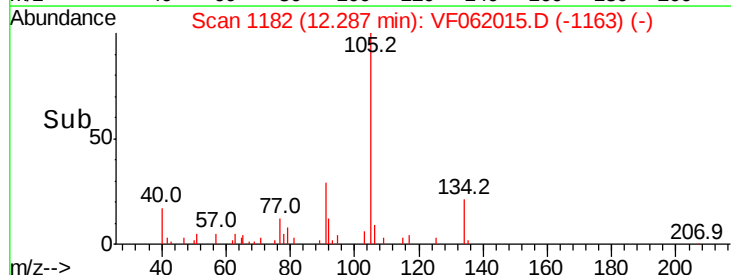
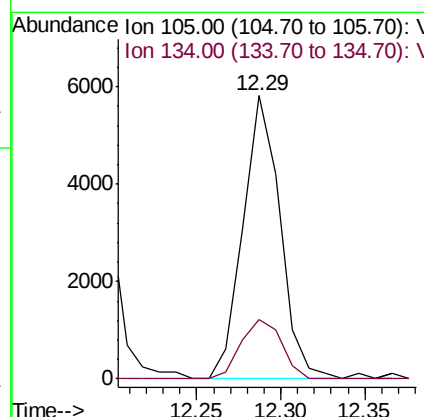
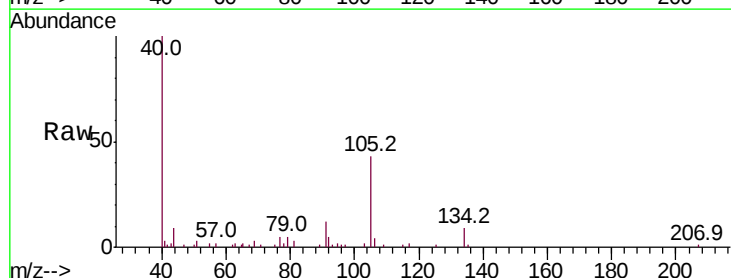
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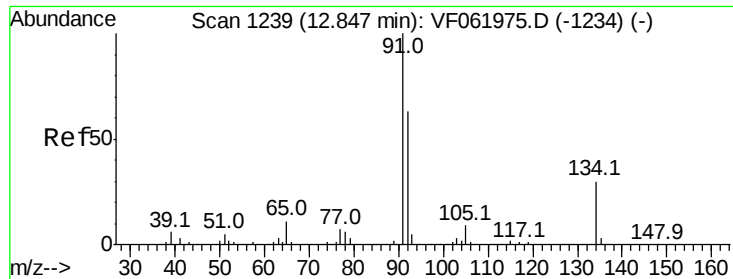
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#85
sec-Butylbenzene
Concen: 1.044 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:105 Resp: 8916
Ion Ratio Lower Upper
105 100
134 20.8 10.0 29.8





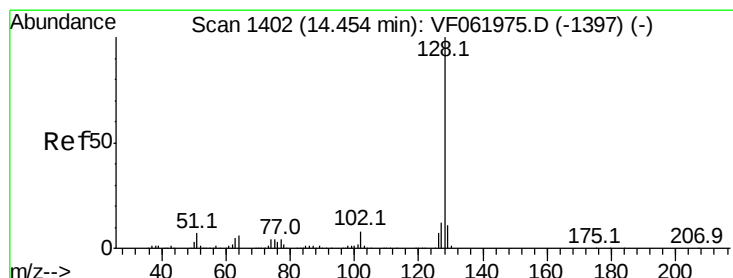
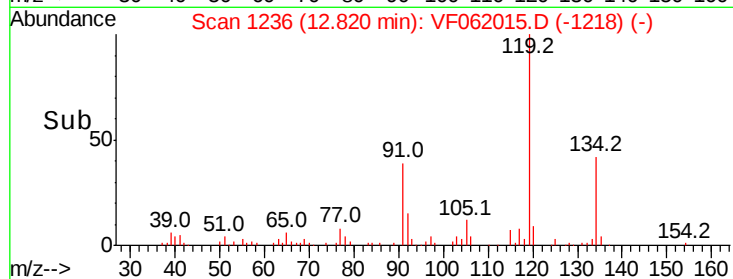
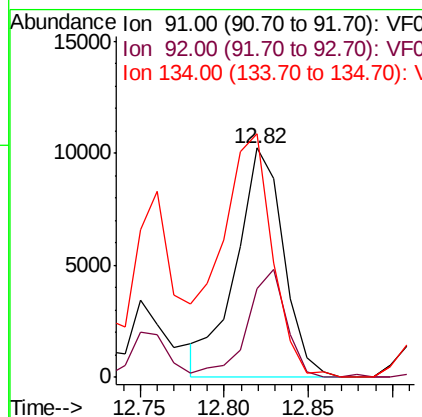
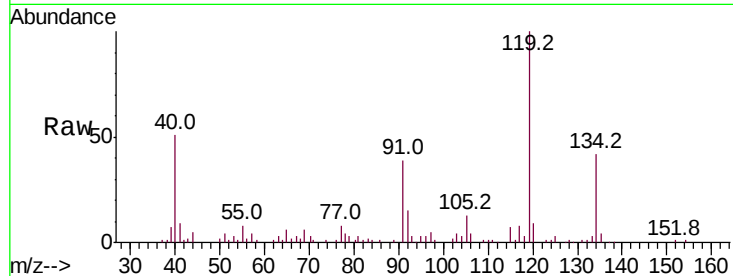
#89
n-Butylbenzene
Concen: 3.004 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-A

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.6	31.7	95.1
134	106.2	15.1	45.3#

Manual Integrations
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#95
Naphthalene
Concen: 5.323 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.2	9.3	13.9#
129	20.5	9.1	13.7#

