

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062116.D
 Acq On : 23 Mar 2019 14:41
 Operator : VA/AP
 Sample : K2045-01
 Misc : 5.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(13-14)

Manual Integrations
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 3/25/2019 12:40:22 PM

Quant Time: Mar 25 04:26:51 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	4.87	168	202084	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	289972	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	230113	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	116065	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	65987	43.90	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.80%	
35) Dibromofluoromethane	4.12	113	92106	46.96	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.92%	
50) Toluene-d8	7.55	98	247240	42.23	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	84.46%	
62) 4-Bromofluorobenzene	11.42	95	91484	40.47	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.94%	
Target Compounds						
16) Acetone	2.24	43	28055	88.682	ug/l	99
20) Methylene Chloride	2.18	84	14230m	4.562	ug/l	
65) Chlorobenzene	9.80	112	14444	3.355	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	6992	1.886	ug/l	84
88) 1,4-Dichlorobenzene	12.57	146	11280	3.118	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	21955	6.307	ug/l	97
93) 1,2,4-Trichlorobenzene	14.20	180	3401	1.402	ug/l	71
95) Naphthalene	14.45	128	4867	1.145	ug/l #	94

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

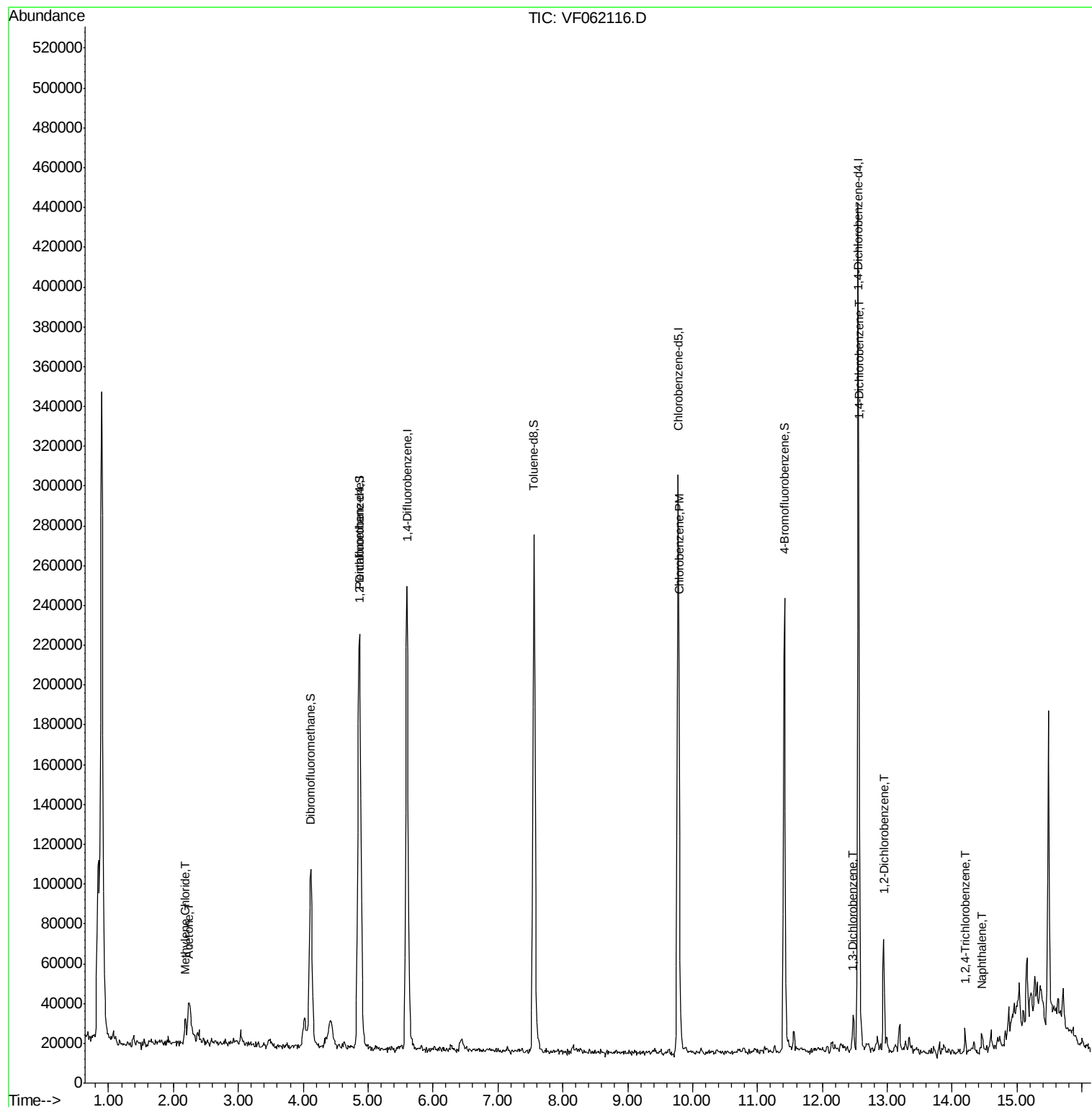
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062116.D
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Operator : VA/AP
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Misc : 5.31g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

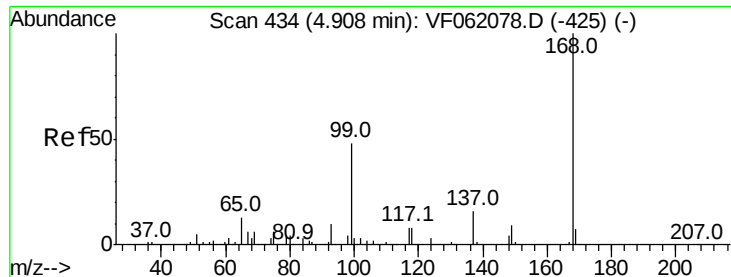
Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(13-14)

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QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

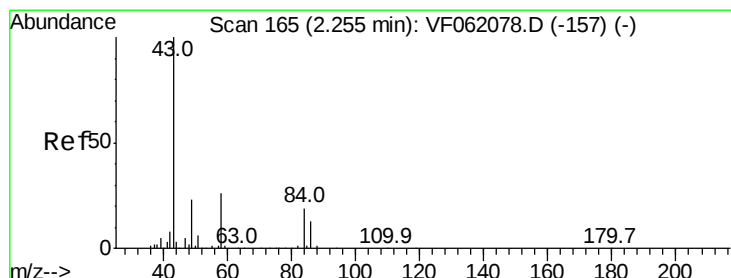
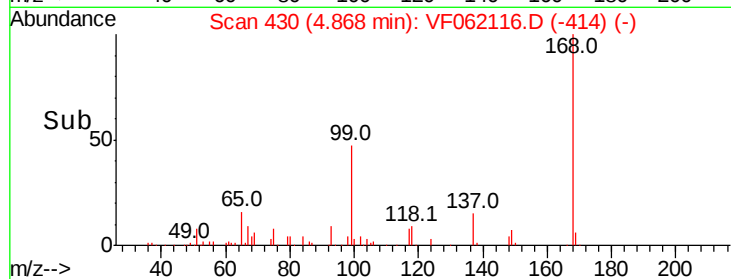
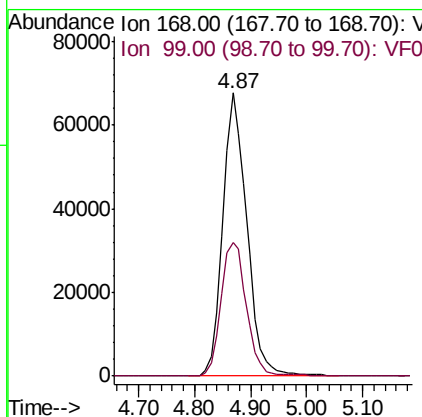
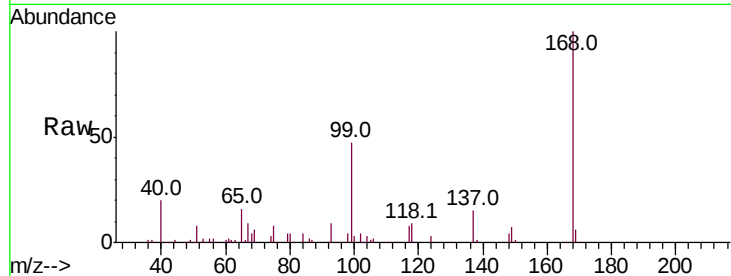
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.04 min
 Lab File: VF062116.D
 Acq: 23 Mar 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
168	100	202084		
99	47.1	38.2	57.4	

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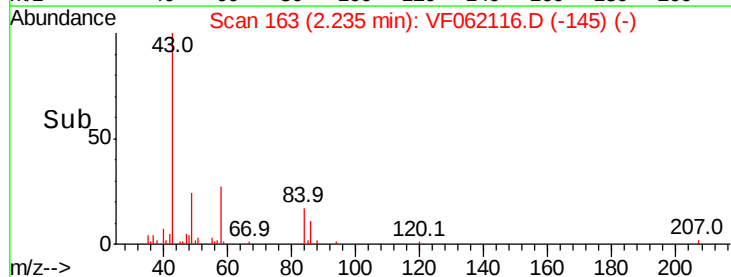
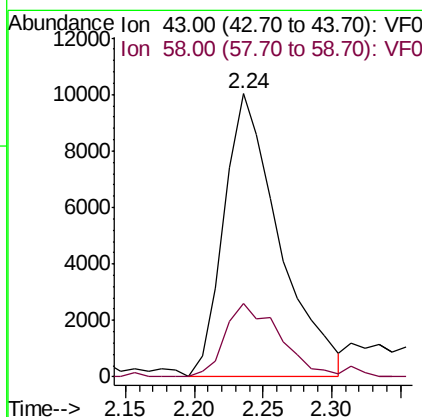
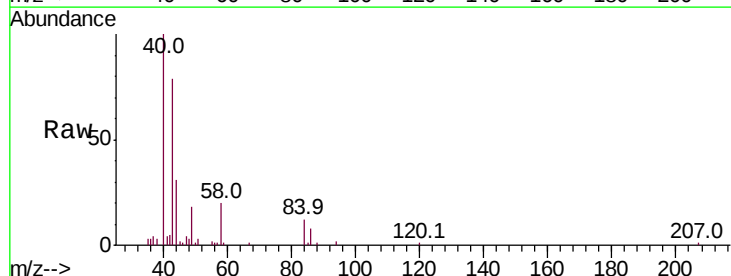
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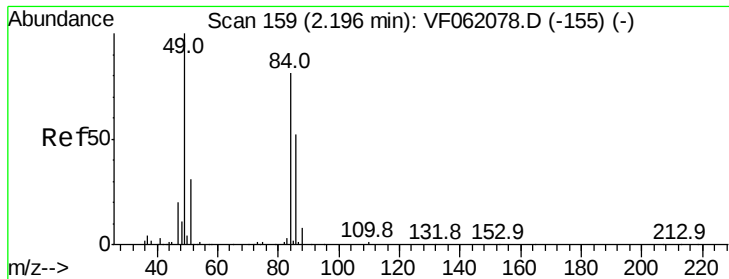


#16

Acetone
 Concen: 88.682 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF062116.D
 Acq: 23 Mar 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	28055		
58	25.7	20.8	31.2	





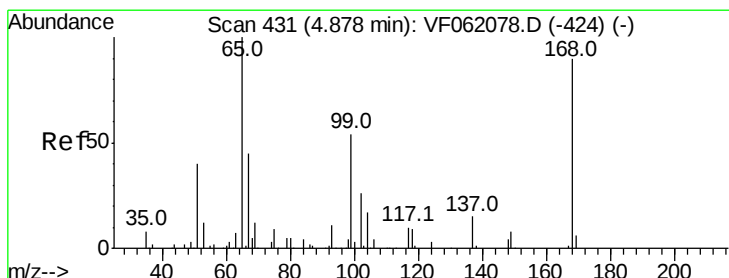
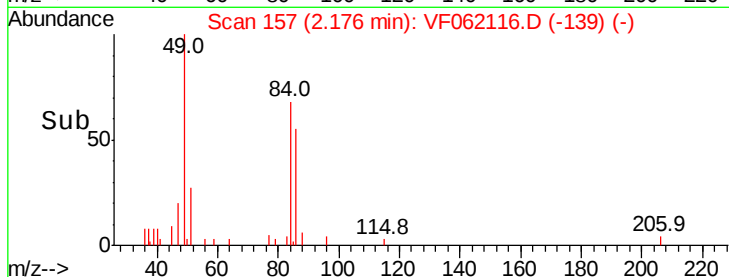
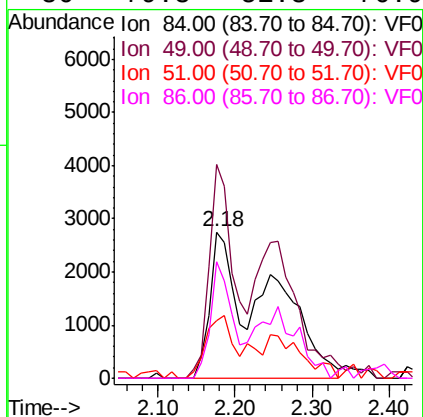
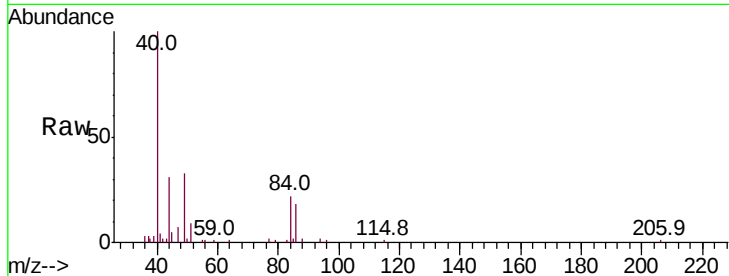
#20
Methvlene Chloride
Concen: 4.562 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062116.D
Acq: 23 Mar 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion: 84 Resp: 14230
Ion Ratio Lower Upper
84 100
49 146.1 100.4 150.6
51 39.7 31.0 46.6
86 79.8 51.3 76.9#

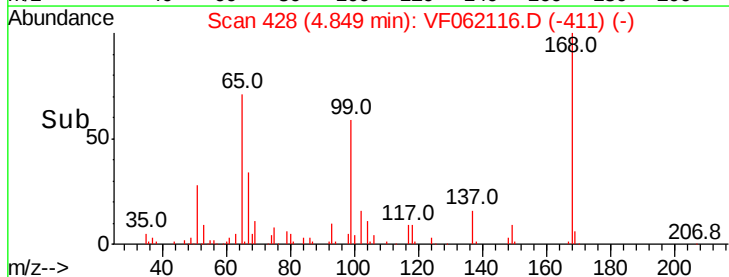
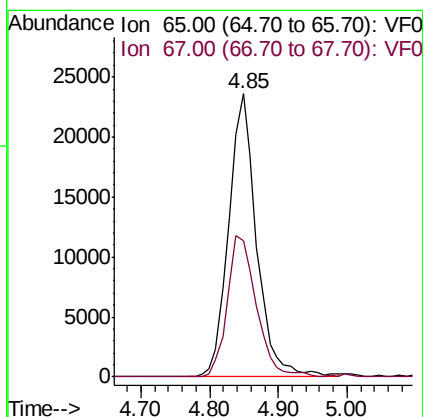
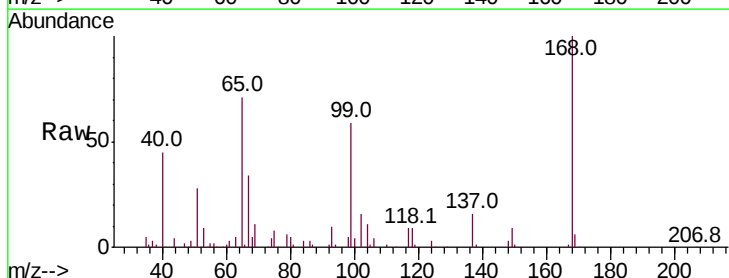
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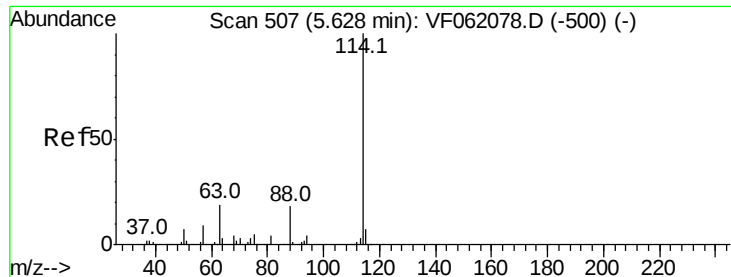
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#33
1,2-Dichloroethane-d4
Concen: 43.900 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF062116.D
Acq: 23 Mar 2019 14:41

Tgt Ion: 65 Resp: 65987
Ion Ratio Lower Upper
65 100
67 48.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

Instrument :

MSVOA_F

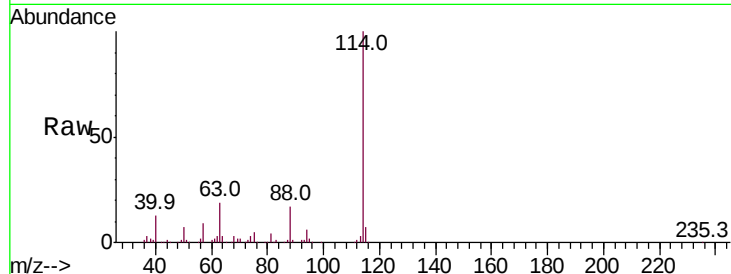
ClientSampleId :

WP022SB439-190318-(13-14)

Tot Ion:	114	Resp:	289972
Ion Ratio	Lower	Upper	
114	100		
63	18.7	0.0	37.8
88	17.5	0.0	36.4

Manual Integrations
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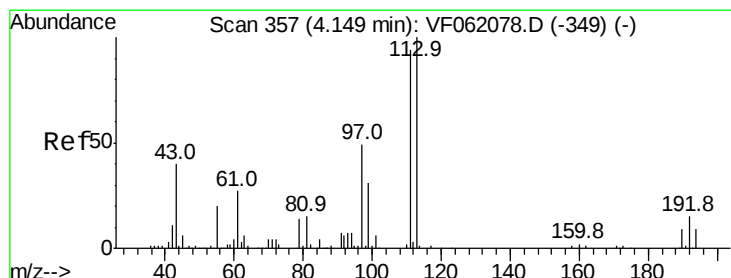
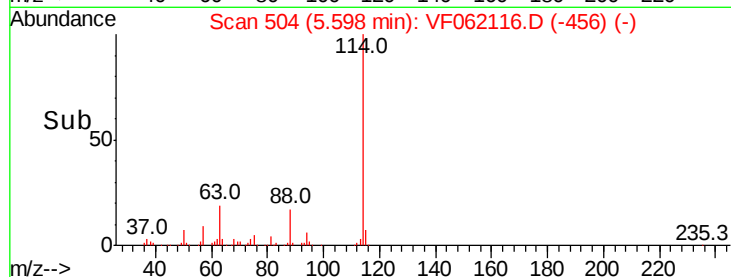
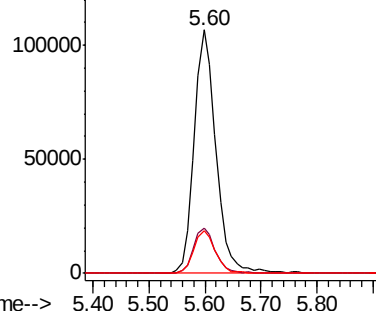
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 46.956 ug/l

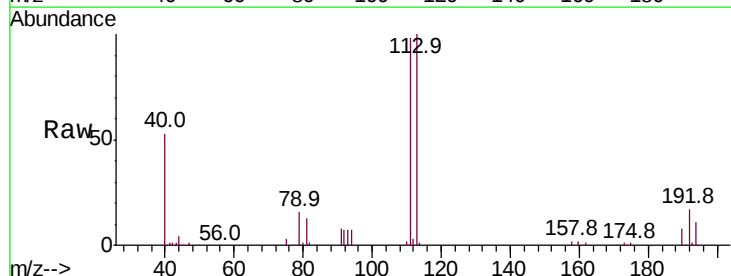
RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

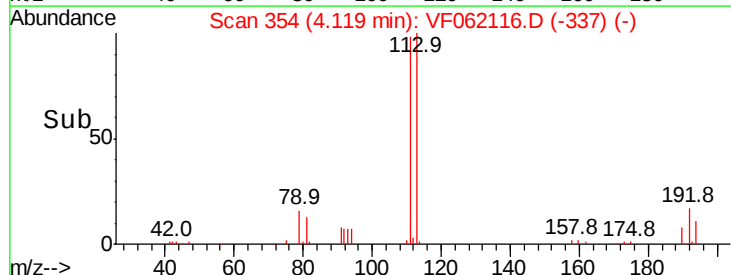
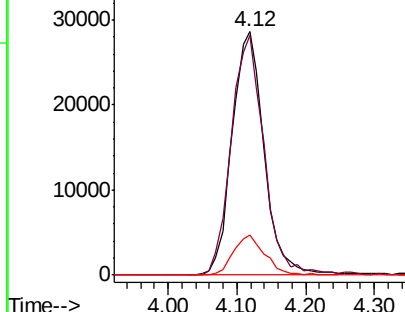
Tgt Ion:	113	Resp:	92106
Ion Ratio	Lower	Upper	
113	100		
111	98.3	75.4	113.0
192	17.6	12.3	18.5

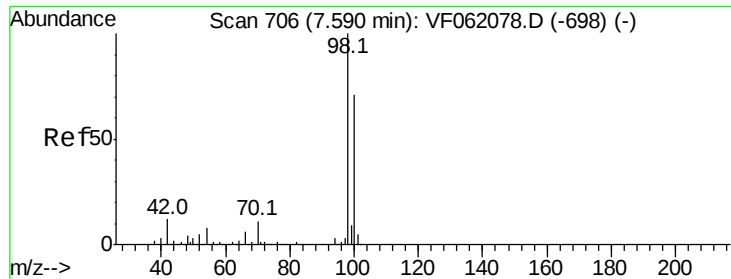


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





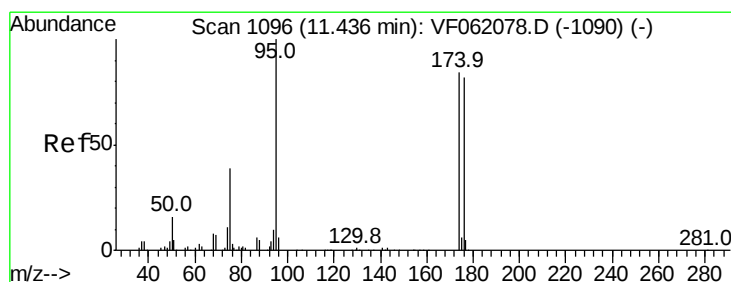
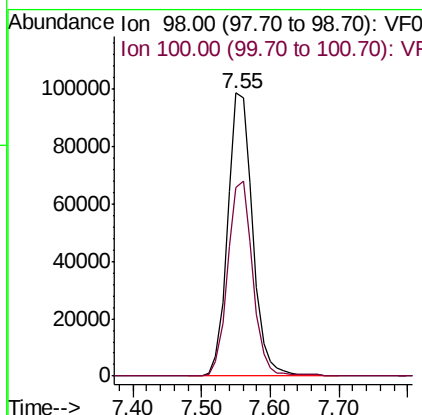
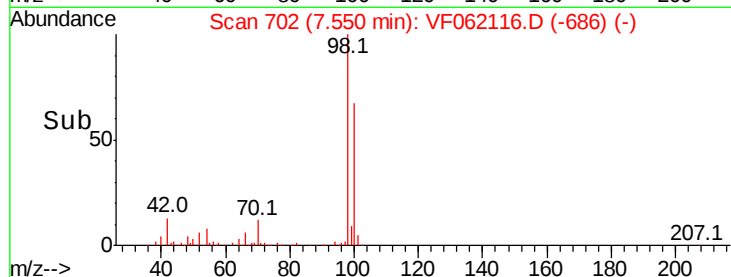
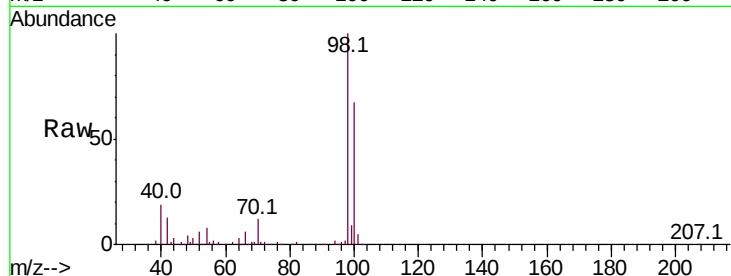
#50
Toluene-d8
Concen: 42.225 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062116.D
Acq: 23 Mar 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(13-14)

Tot Ion: 98 Resp: 247240
Ion Ratio Lower Upper
98 100
100 66.8 57.0 85.6

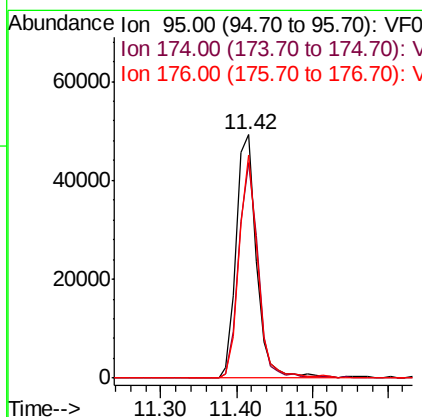
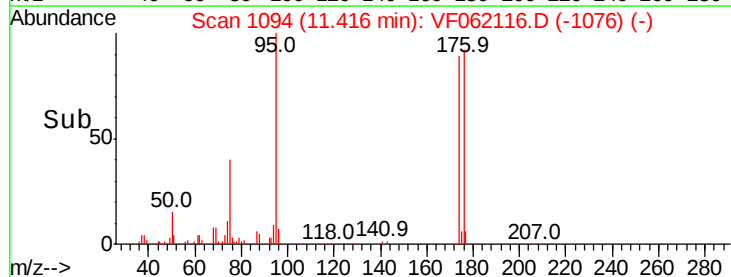
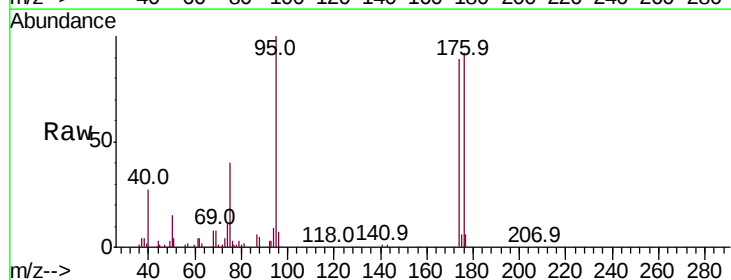
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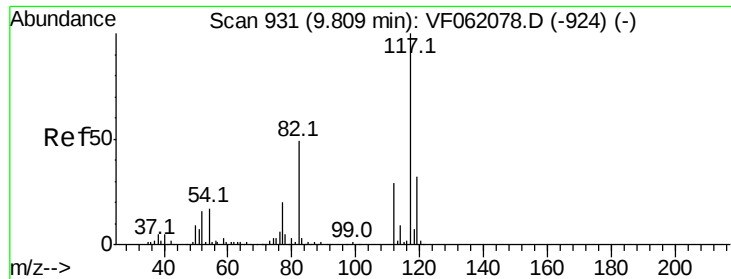
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#62
4-Bromofluorobenzene
Concen: 40.472 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF062116.D
Acq: 23 Mar 2019 14:41

Tgt Ion: 95 Resp: 91484
Ion Ratio Lower Upper
95 100
174 88.6 0.0 168.2
176 91.6 0.0 164.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

Instrument :

MSVOA_F

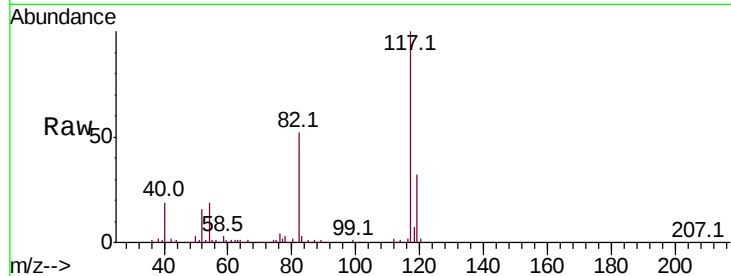
ClientSampleId :

WP022SB439-190318-(13-14)

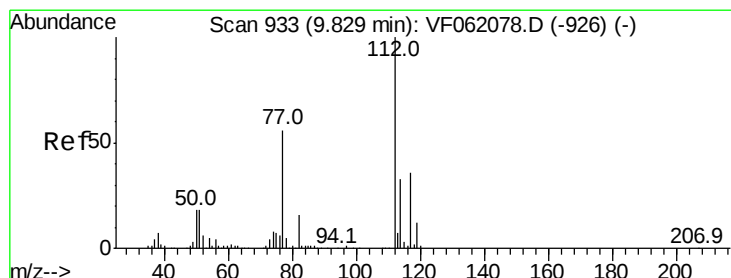
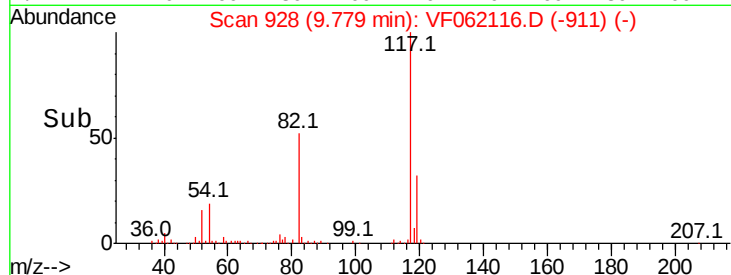
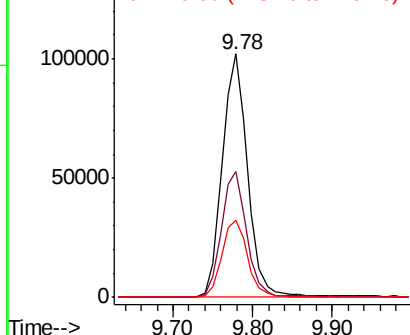
Tot Ion:	117	Resp:	230113
Ion Ratio	Lower	Upper	
117	100		
82	51.8	39.2	58.8
119	31.9	25.4	38.2

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#65

Chlorobenzene

Concen: 3.355 ug/l

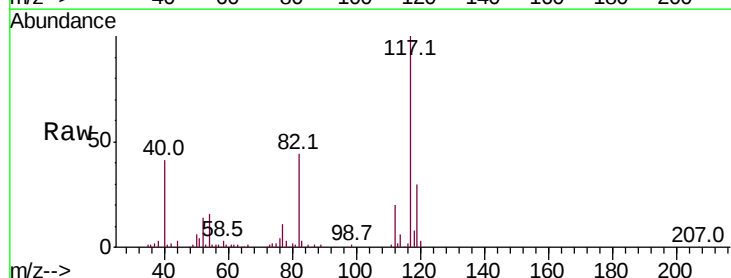
RT: 9.80 min Scan# 930

Delta R.T. -0.03 min

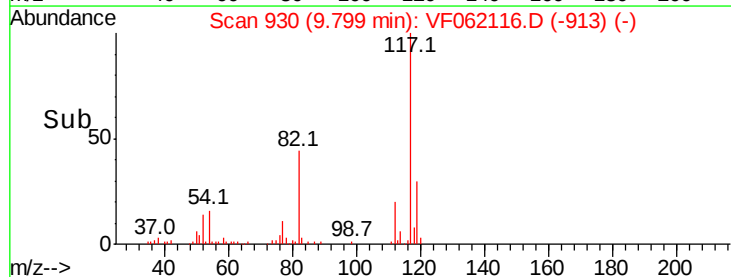
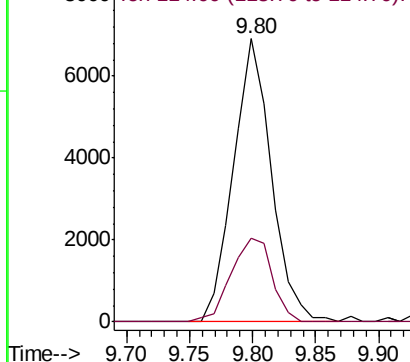
Lab File: VF062116.D

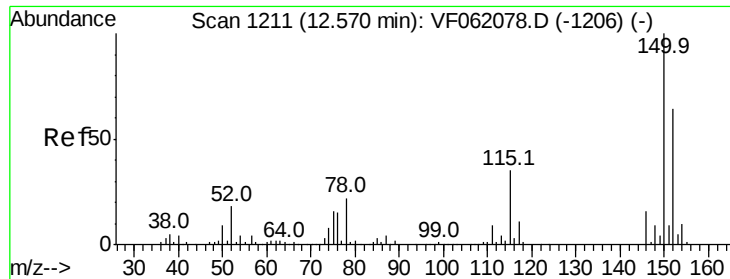
Acq: 23 Mar 2019 14:41

Tgt Ion:	112	Resp:	14444
Ion Ratio	Lower	Upper	
112	100		
114	29.8	26.0	39.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion:152 Resp: 116065

Ion Ratio Lower Upper

152 100

115 53.6 27.7 83.1

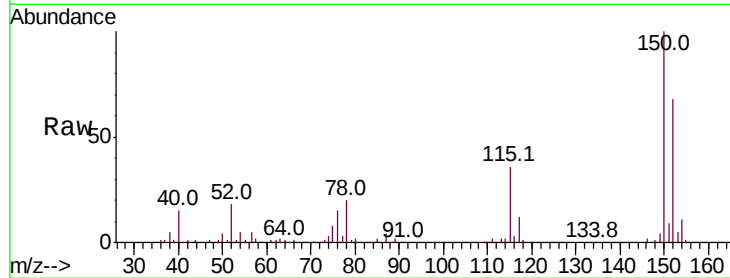
150 147.0 0.0 313.2

Manual Integrations

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Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

150000

100000

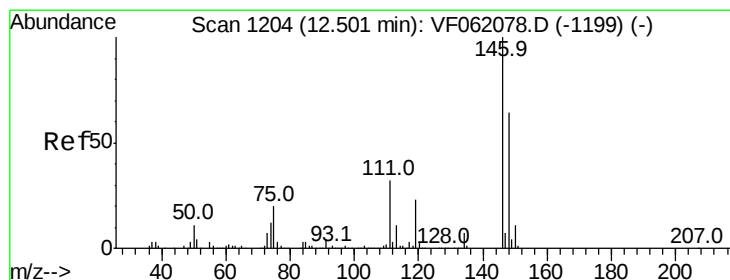
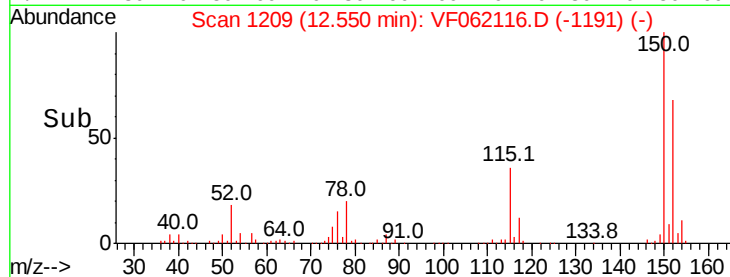
50000

0

12.55

12.50 12.60 12.70

Time-->



#87

1,3-Dichlorobenzene

Concen: 1.886 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

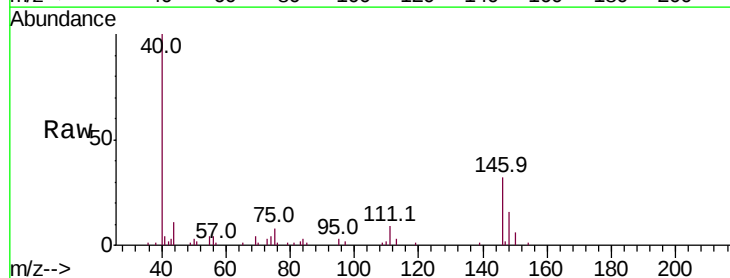
Tgt Ion:146 Resp: 6992

Ion Ratio Lower Upper

146 100

111 26.8 16.1 48.3

148 48.4 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

8000

6000

4000

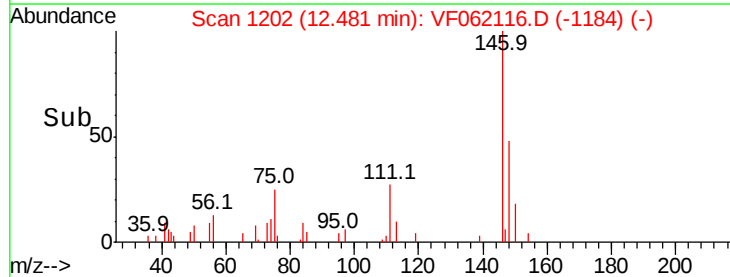
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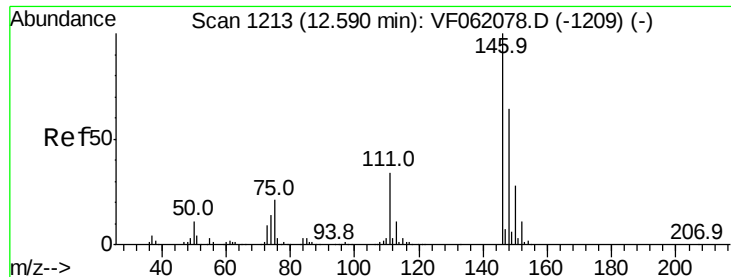
0

12.48

12.40 12.50

Time-->





#88

1,4-Dichlorobenzene

Concen: 3.118 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

Instrument :

MSVOA_F

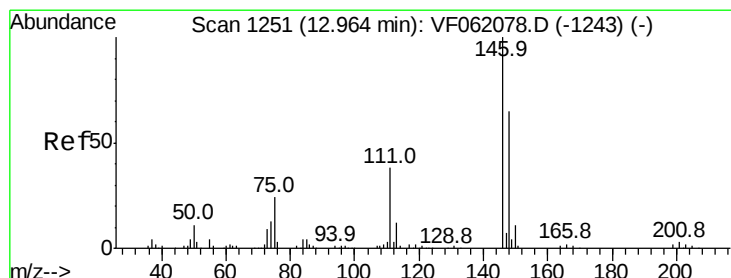
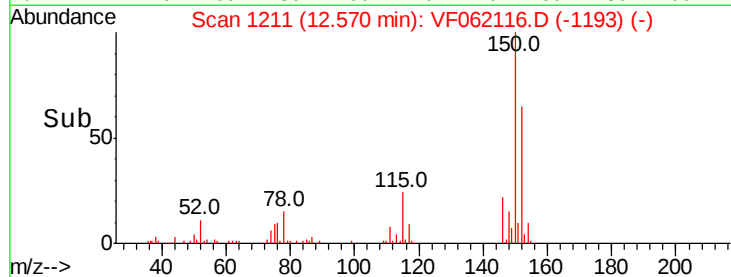
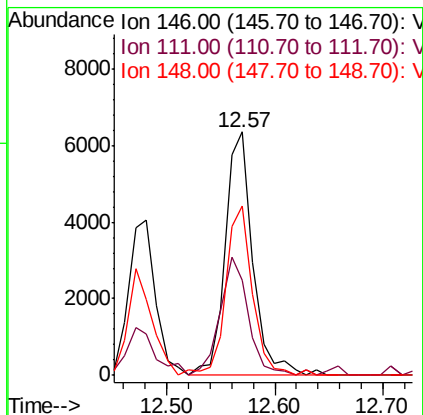
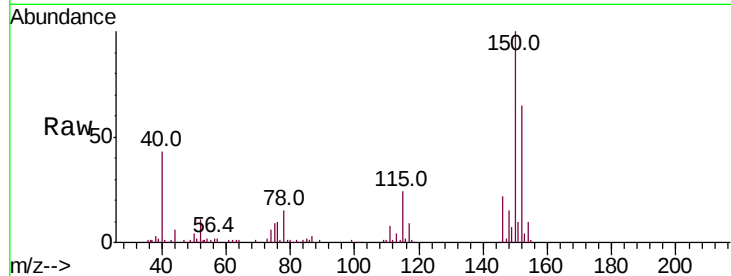
ClientSampleId :

WP022SB439-190318-(13-14)

Tot Ion:	146	Resp:	11280
Ion Ratio	Lower	Upper	
146	100		
111	38.9	16.9	50.6
148	69.8	31.9	95.7

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#91

1,2-Dichlorobenzene

Concen: 6.307 ug/l

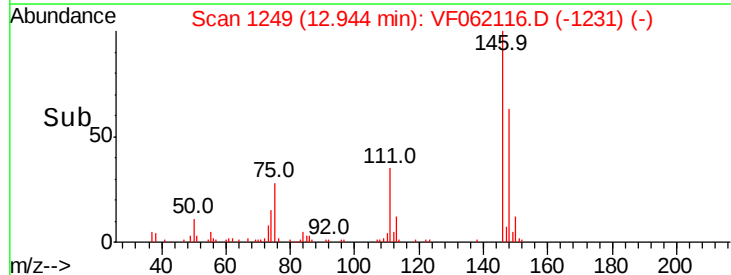
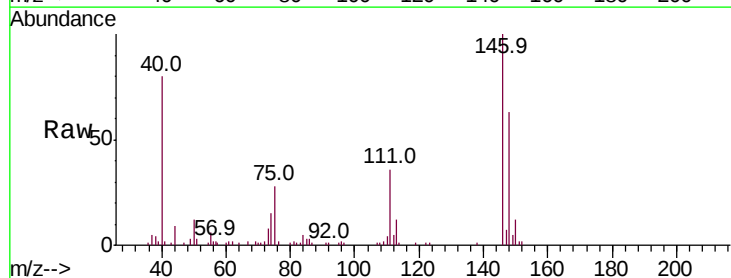
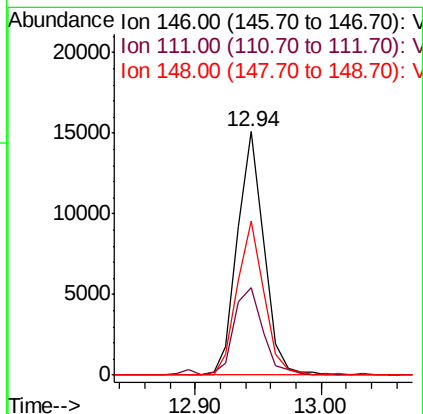
RT: 12.94 min Scan# 1249

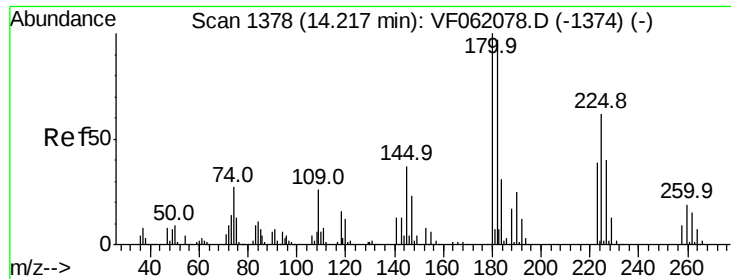
Delta R.T. -0.02 min

Lab File: VF062116.D

Acq: 23 Mar 2019 14:41

Tgt Ion:	146	Resp:	21955
Ion Ratio	Lower	Upper	
146	100		
111	36.1	19.1	57.3
148	63.5	32.8	98.3





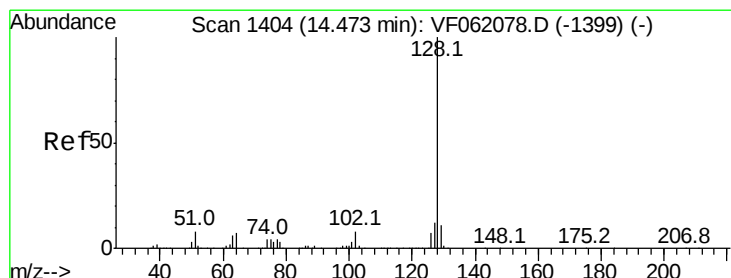
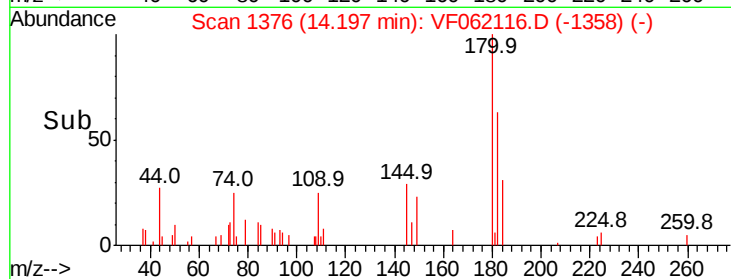
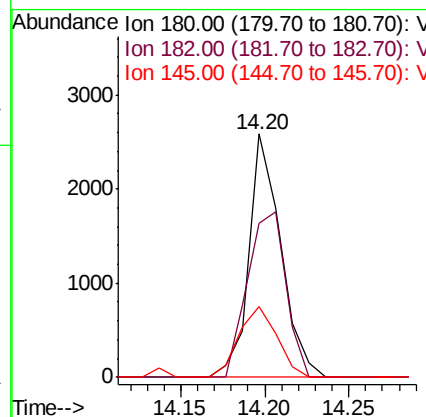
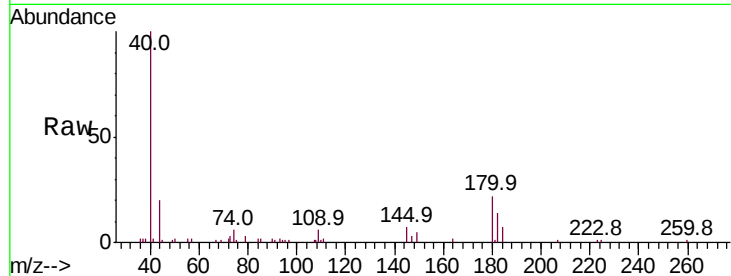
#93
 1,2,4-Trichlorobenzene
 Concen: 1.402 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062116.D
 Acq: 23 Mar 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(13-14)

Tot Ion	Ratio	Lower	Upper
180	100		
182	63.0	48.7	146.1
145	29.1	18.3	54.8

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:40:22 PM



#95
 Naphthalene
 Concen: 1.145 ug/l
 RT: 14.45 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: VF062116.D
 Acq: 23 Mar 2019 14:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.0	9.5	14.3
129	8.0	8.7	13.1#

