

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
 Data File : VF061921.D
 Acq On : 12 Mar 2019 22:54
 Operator : VA/AP
 Sample : K1866-03
 Misc : 7.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-03-COMP

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 4:42:22 PM

Quant Time: Mar 13 03:35:19 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	4.85	168	292585	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	471393	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	391400	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	220993	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	132797	62.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	124.64%	
35) Dibromofluoromethane	4.09	113	182516	55.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.96%	
50) Toluene-d8	7.53	98	464430	47.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.40	95	196160	51.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.42%	
Target Compounds						
20) Methylene Chloride	2.24	84	22123m	4.087	ug/l	Qvalue
52) Toluene	7.60	92	13456	1.954	ug/l	95

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

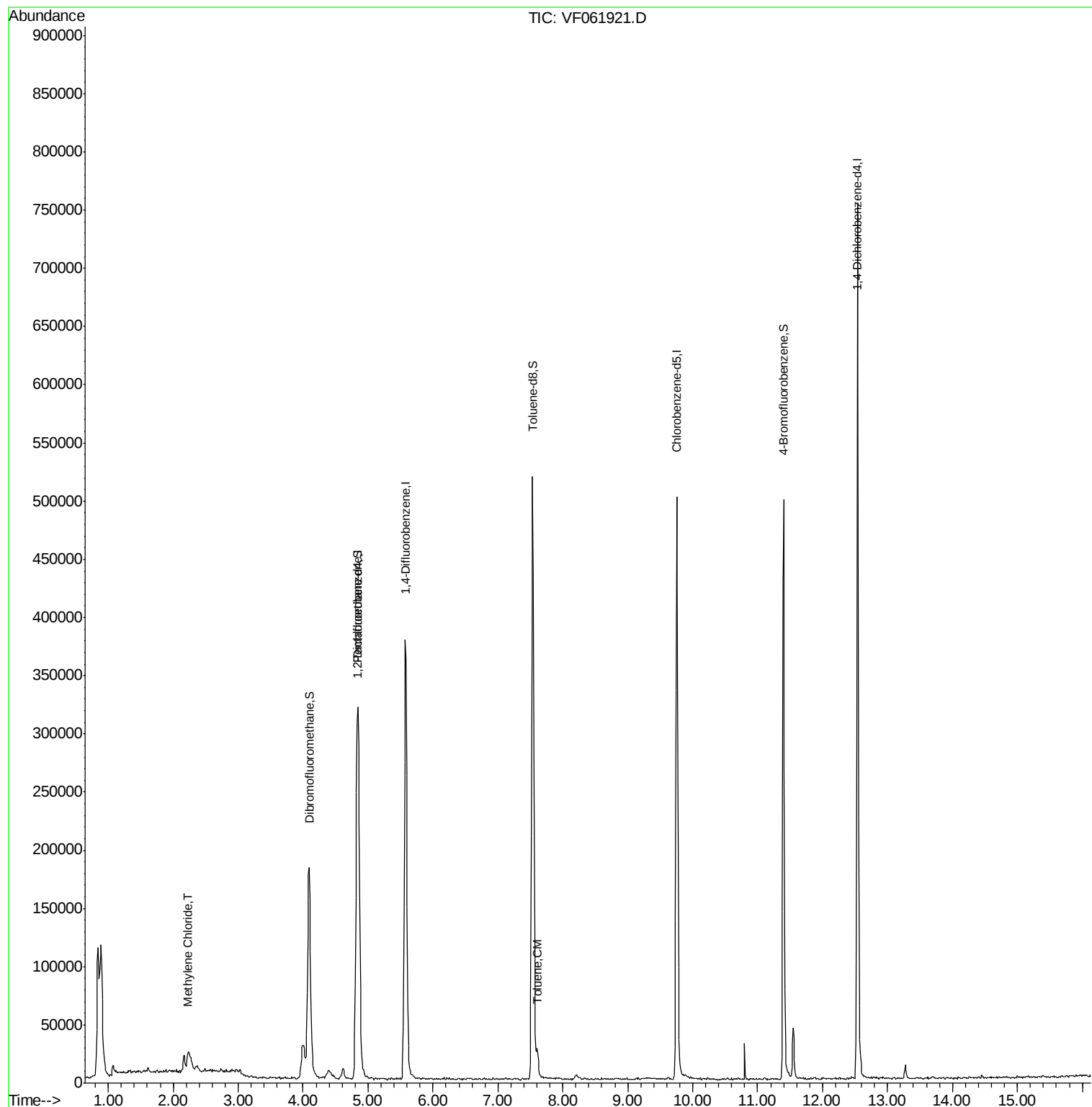
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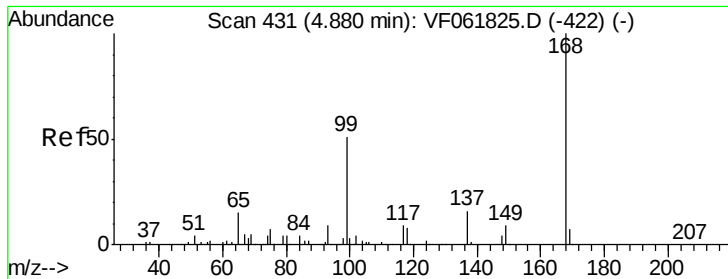
Instrument :
MSVOA_F
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#1

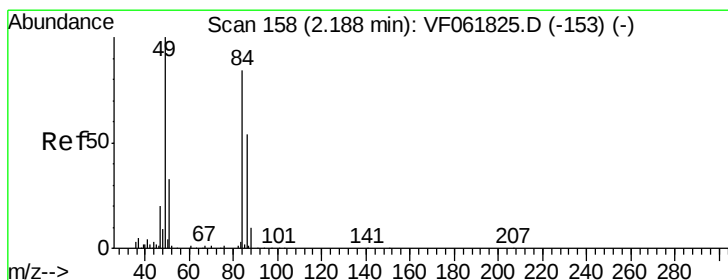
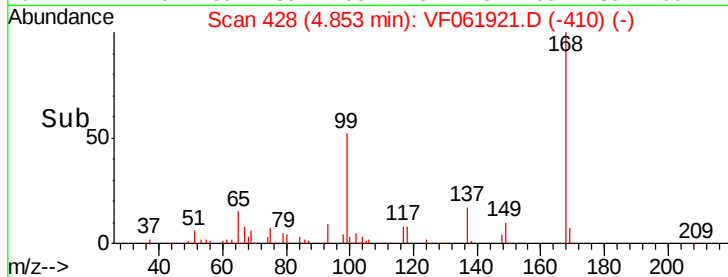
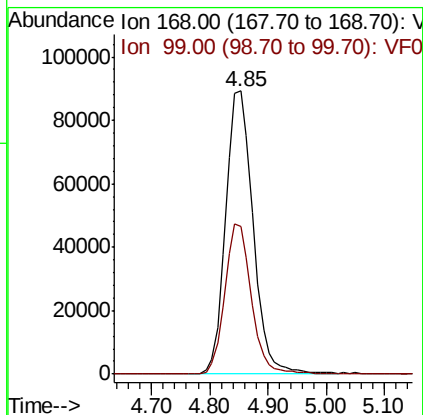
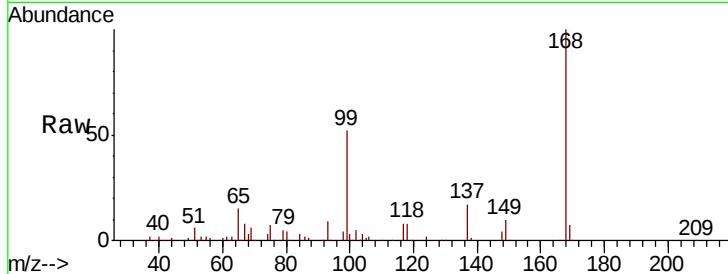
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-03-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	292585		
99	52.1	40.8	61.2	

Manual Integrations
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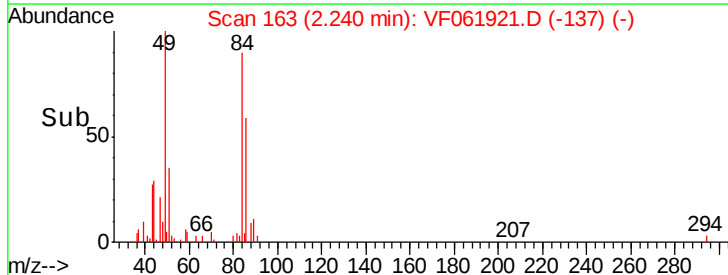
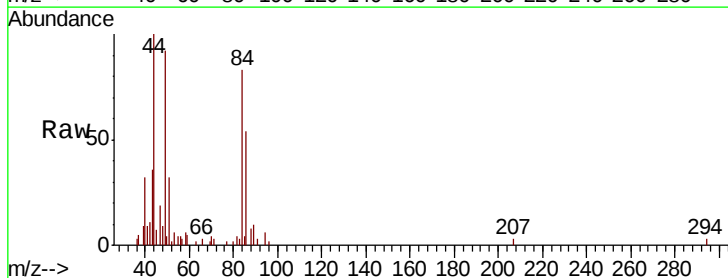
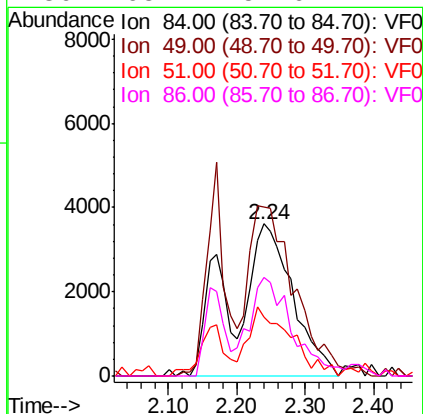
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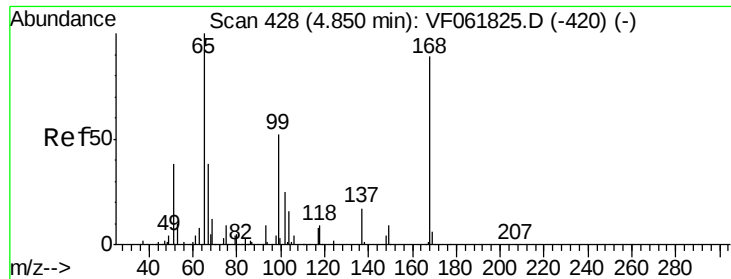


#20

Methylene Chloride
 Concen: 4.087 ug/l m
 RT: 2.24 min Scan# 163
 Delta R.T. 0.05 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	22123		
49	111.2	96.8	145.2	
51	38.5	31.8	47.6	
86	65.2	51.6	77.4	





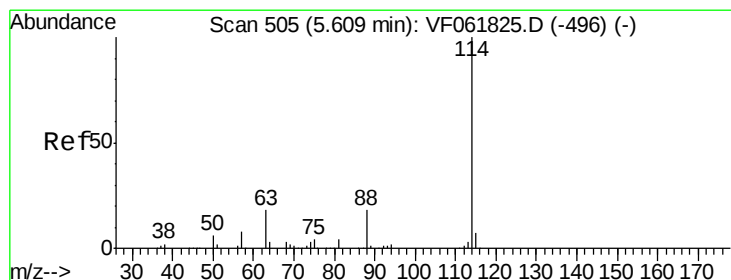
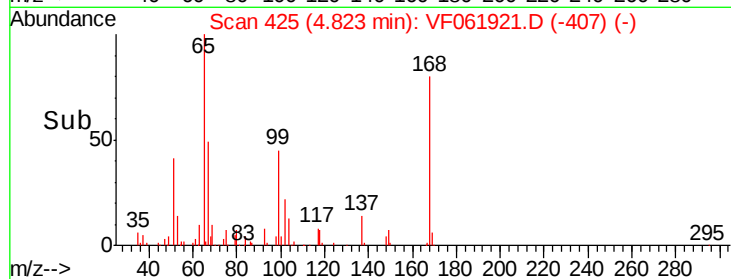
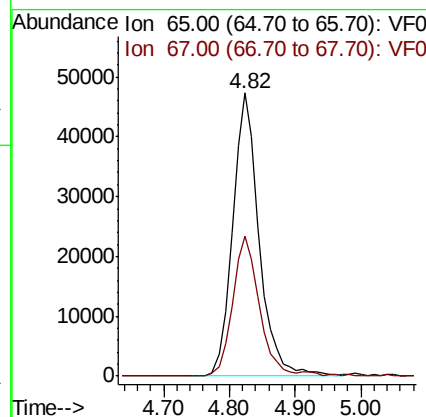
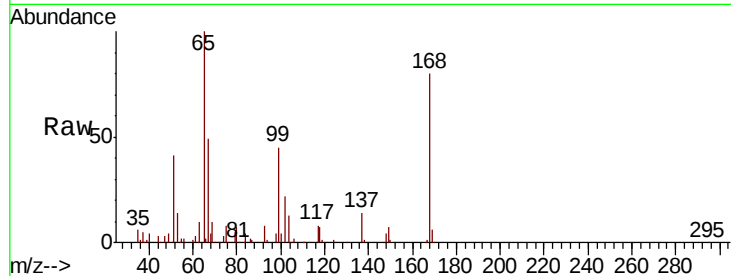
#33
 1,2-Dichloroethane-d4
 Concen: 62.324 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-03-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	132797		
67	49.3	0.0	108.6	

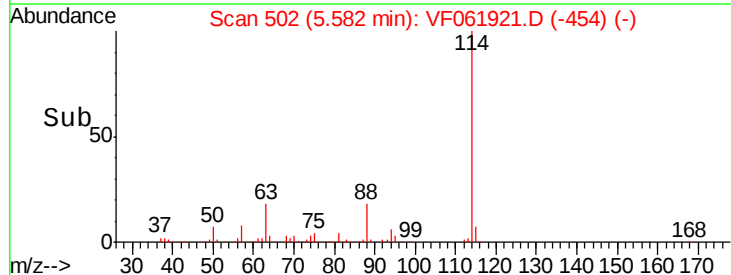
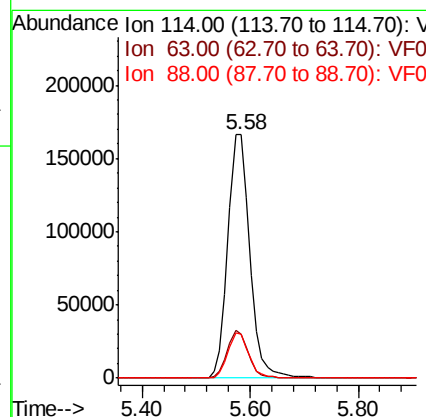
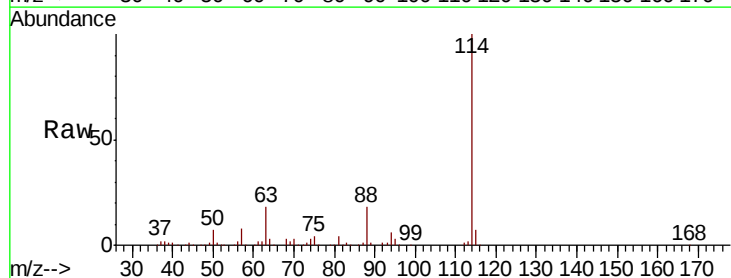
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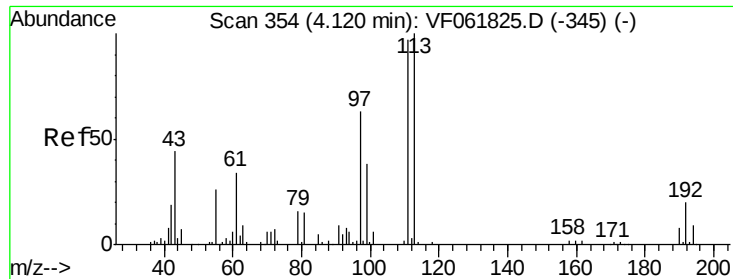
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	471393		
63	17.9	0.0	35.6	
88	18.3	0.0	35.6	





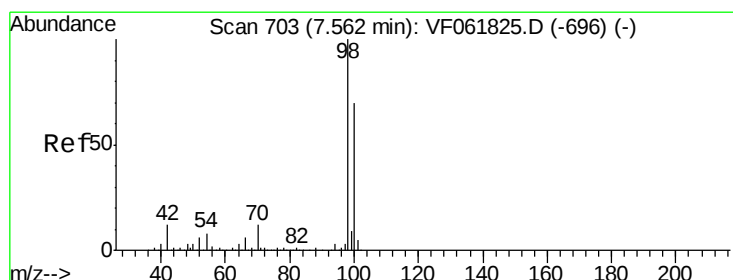
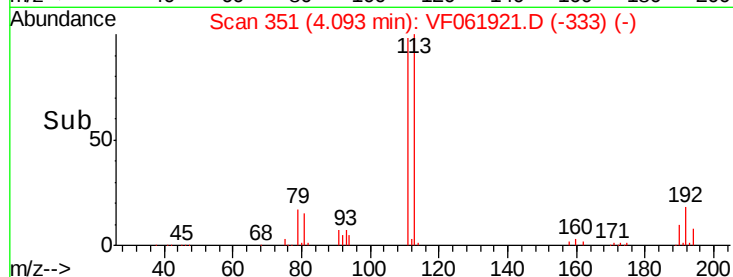
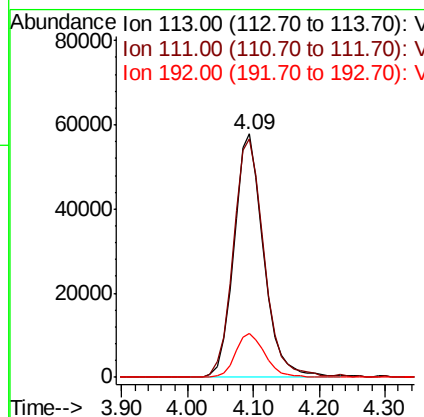
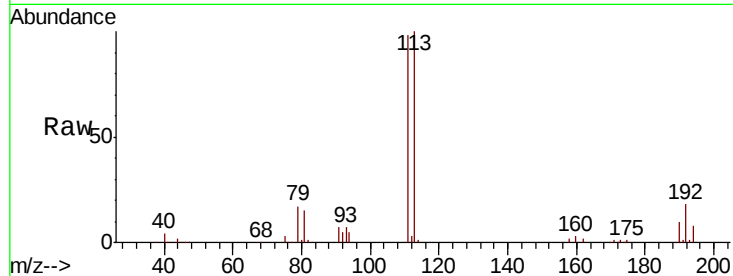
#35
Dibromofluoromethane
Concen: 55.481 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061921.D
Acq: 12 Mar 2019 22:54

Instrument :
MSVOA_F
ClientSampleId :
MR-MH-03-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	182516		
111	98.0	77.6	116.4	
192	17.9	15.9	23.9	

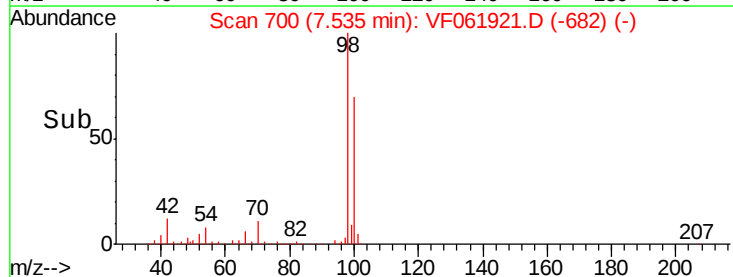
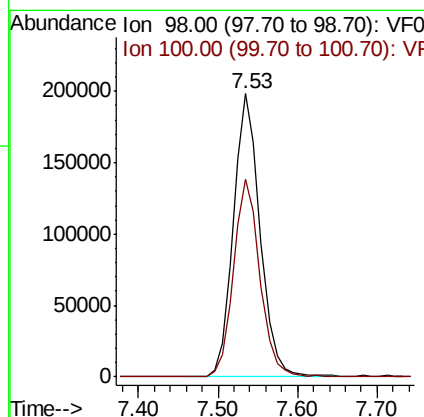
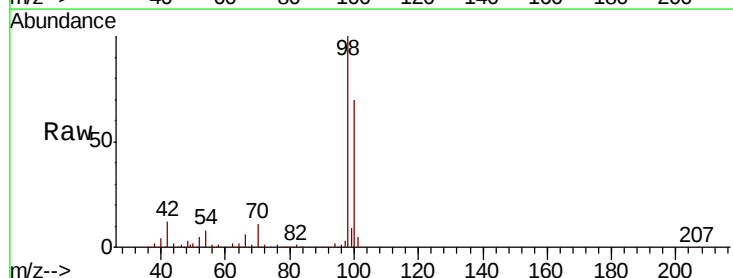
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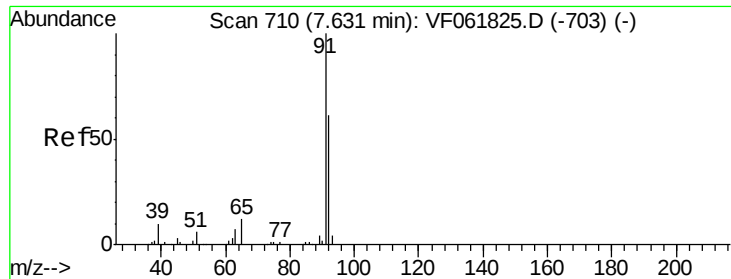
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#50
Toluene-d8
Concen: 47.497 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061921.D
Acq: 12 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	464430		
100	69.8	56.0	84.0	





#52

Toluene

Concen: 1.954 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-03-COMP

Tgt Ion: 92 Resp: 13456

Ion Ratio Lower Upper

92 100

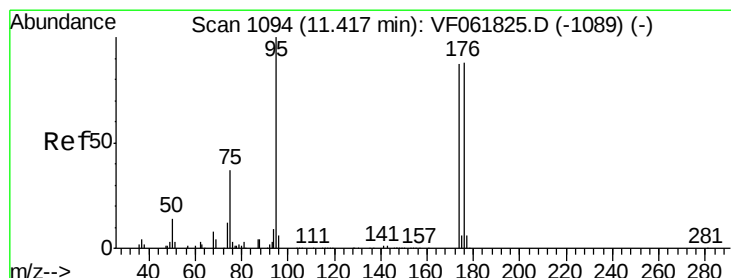
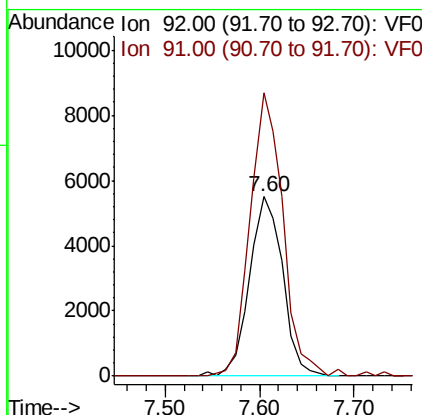
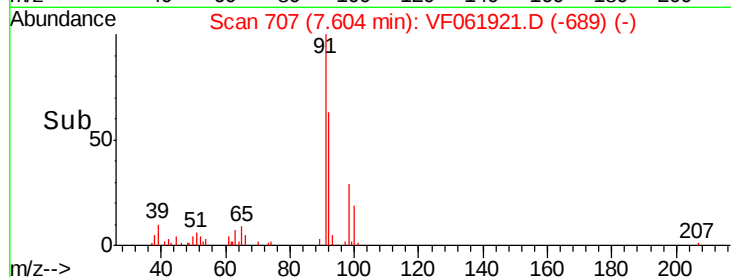
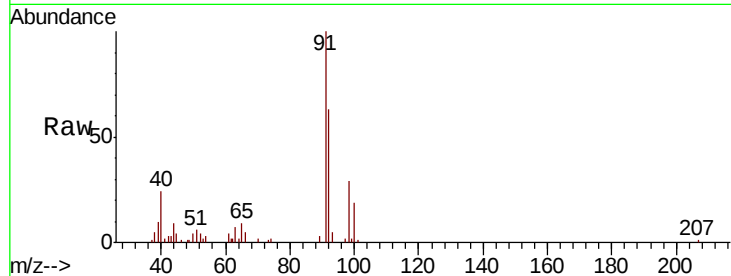
91 157.6 132.0 198.0

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#62

4-Bromofluorobenzene

Concen: 51.213 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

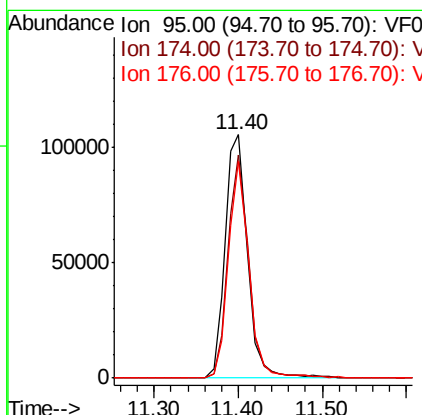
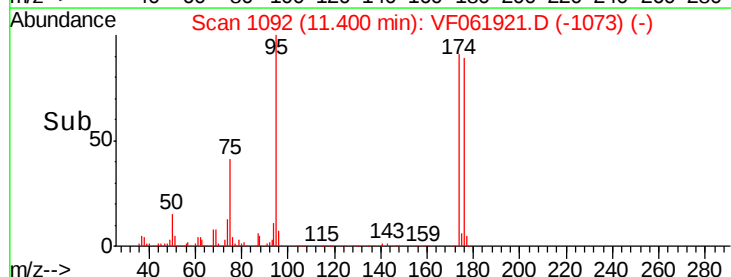
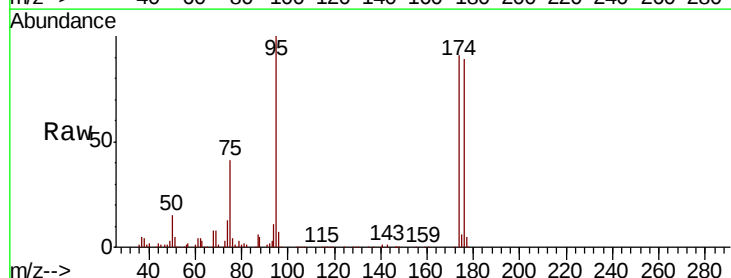
Tgt Ion: 95 Resp: 196160

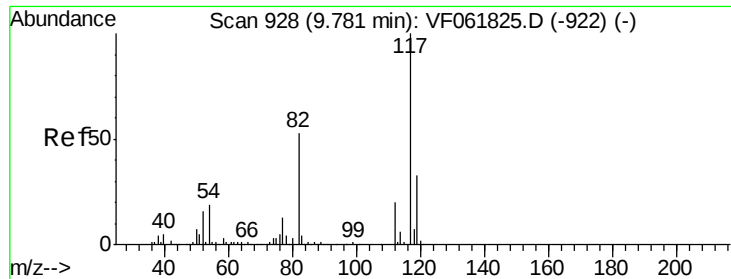
Ion Ratio Lower Upper

95 100

174 91.4 0.0 174.0

176 89.2 0.0 175.2





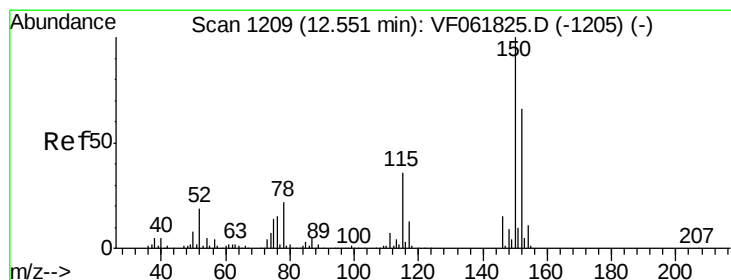
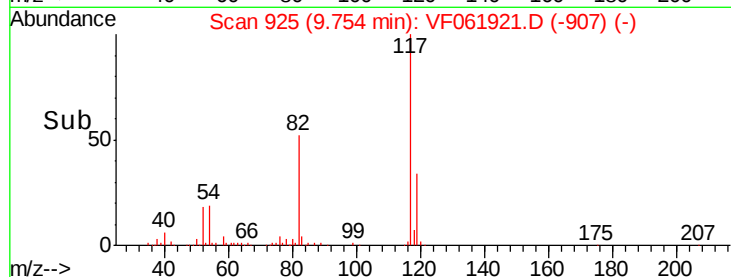
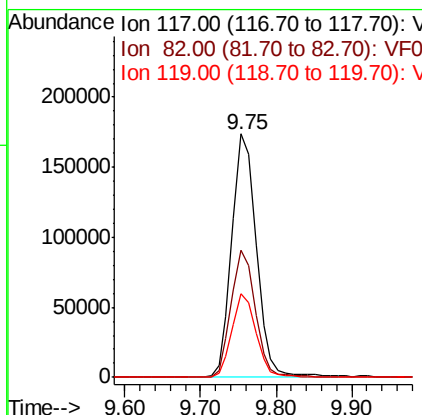
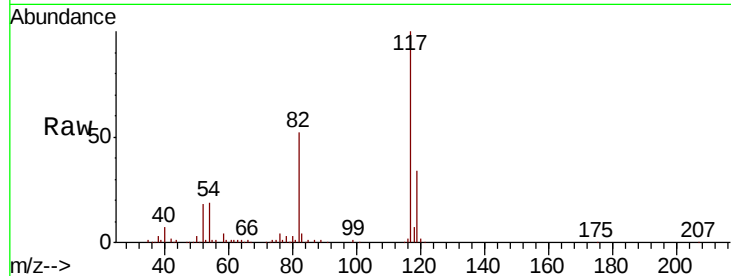
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061921.D
Acq: 12 Mar 2019 22:54

Instrument :
MSVOA_F
ClientSampleId :
MR-MH-03-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	391400		
82	52.2	42.6	63.8	
119	34.4	26.0	39.0	

Manual Integrations
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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: VF061921.D
Acq: 12 Mar 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	220993		
115	56.1	27.7	83.1	
150	151.1	0.0	304.2	

