

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
 Data File : VF061923.D
 Acq On : 12 Mar 2019 23:52
 Operator : VA/AP
 Sample : K1871-01
 Misc : 6.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 4:42:32 PM

Quant Time: Mar 13 03:41:31 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	4.84	168	238214	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	414374	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	233560	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	39148	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	111376	64.20	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	128.40%	
35) Dibromofluoromethane	4.09	113	148643	51.40	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	7.54	98	286218	33.30	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.60%	
62) 4-Bromofluorobenzene	11.39	95	86549	25.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	51.42%	
Target Compounds						
16) Acetone	2.22	43	47381	130.387	ug/l #	89
20) Methylene Chloride	2.17	84	22616m	6.637	ug/l	

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

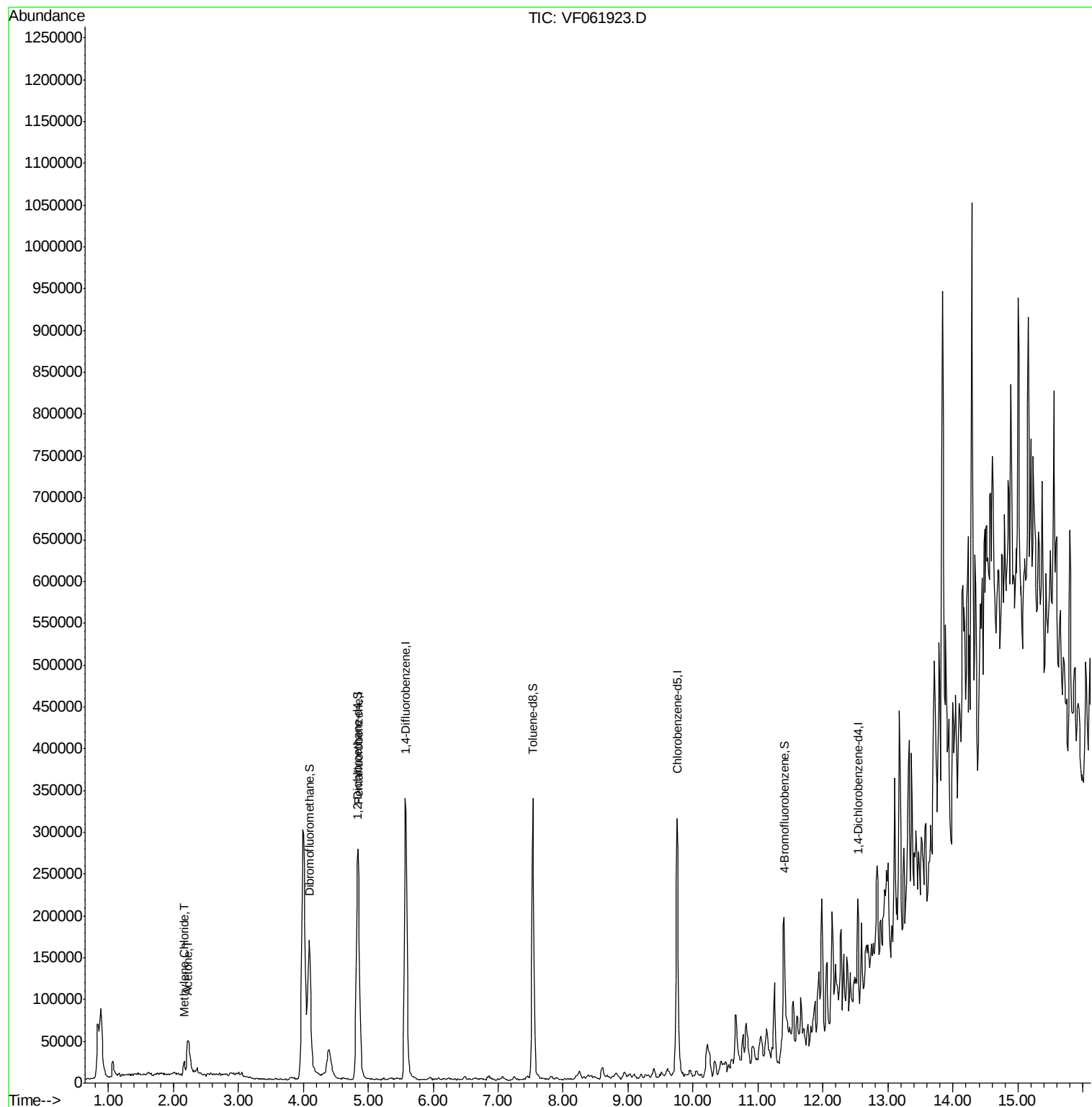
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
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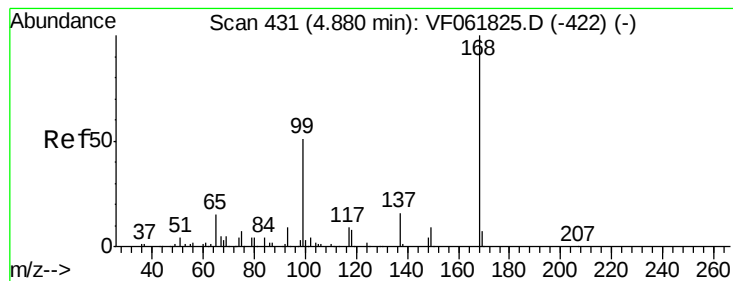
Instrument :
MSVOA_F
ClientSampleId :
TP-1

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Quant Time: Mar 13 03:41:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061923.D

Acq: 12 Mar 2019 23:52

Instrument :

MSVOA_F

ClientSampled :

TP-1

Tgt Ion:168 Resp: 238214

Ion Ratio Lower Upper

168 100

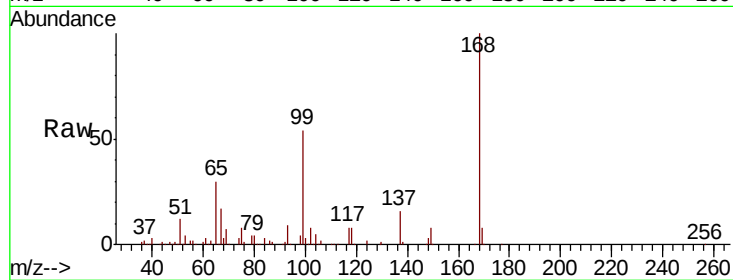
99 53.6 40.8 61.2

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

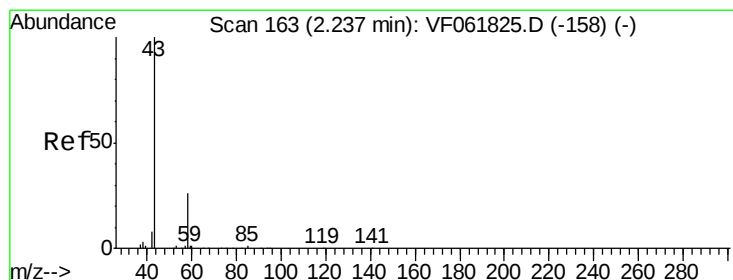
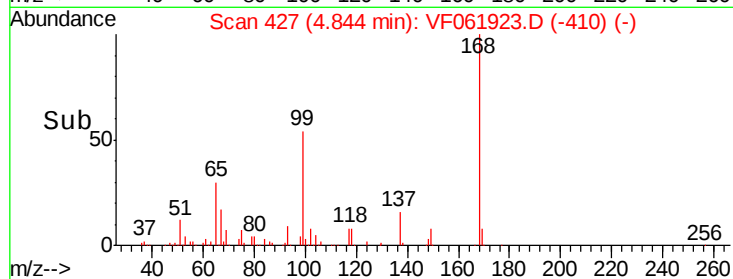
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 130.387 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061923.D

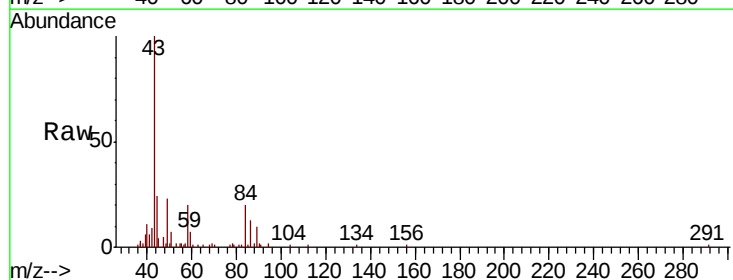
Acq: 12 Mar 2019 23:52

Tgt Ion: 43 Resp: 47381

Ion Ratio Lower Upper

43 100

58 19.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

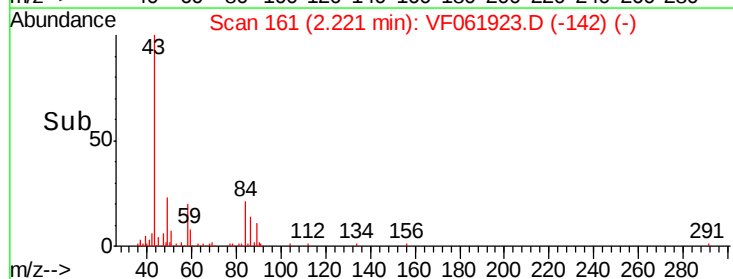
15000

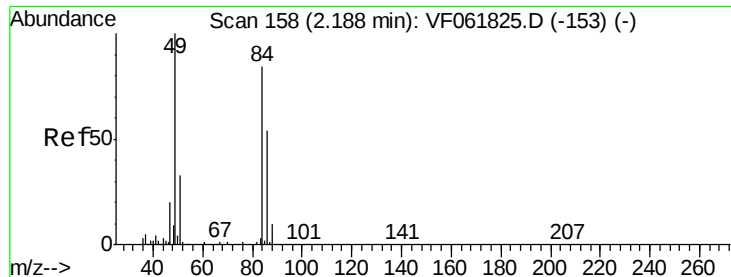
10000

5000

0

Time-->





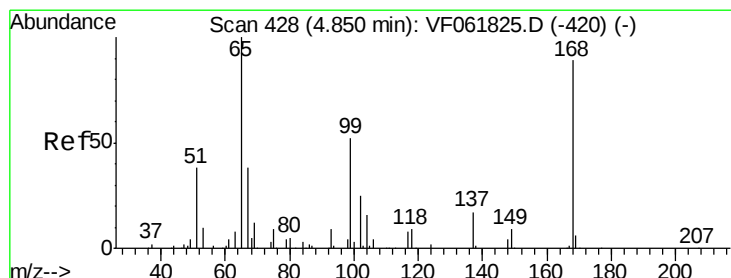
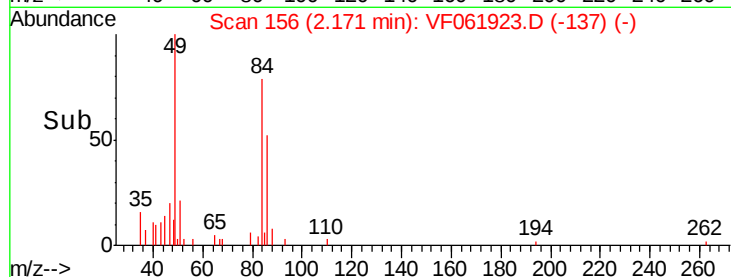
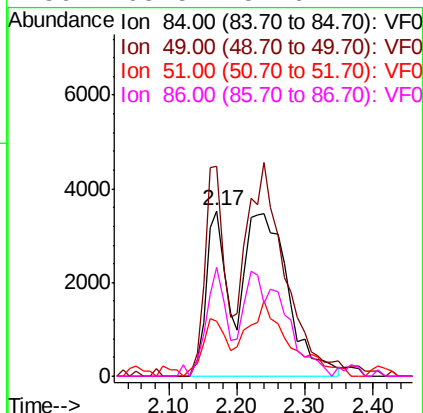
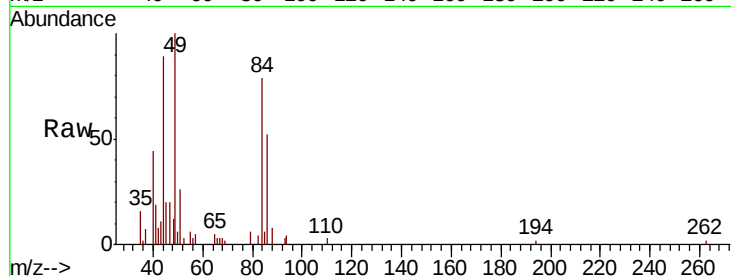
#20
Methylene Chloride
Concen: 6.637 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061923.D
Acq: 12 Mar 2019 23:52

Instrument :
MSVOA_F
ClientSampleId :
TP-1

Tgt Ion:	84	Resp:	22616
Ion	Ratio	Lower	Upper
84	100		
49	126.8	96.8	145.2
51	33.1	31.8	47.6
86	65.5	51.6	77.4

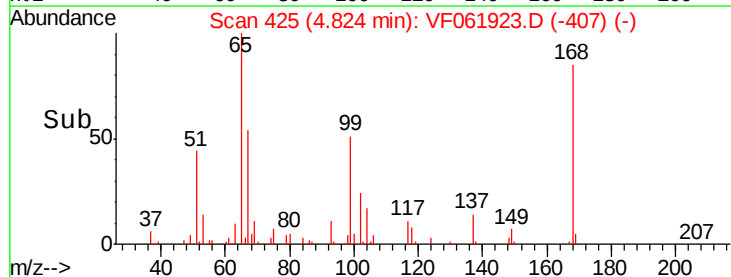
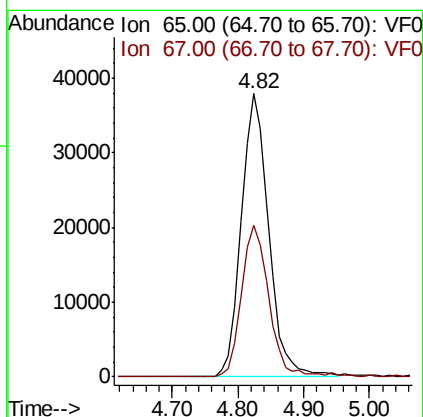
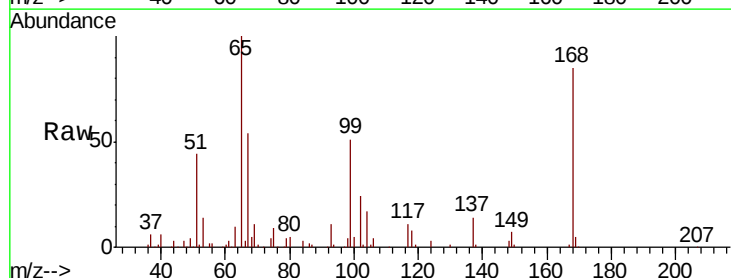
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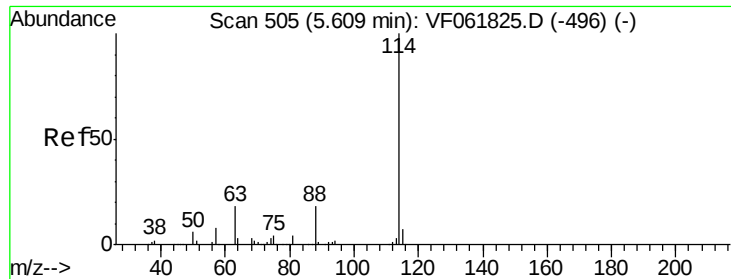
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#33
1,2-Dichloroethane-d4
Concen: 64.202 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.03 min
Lab File: VF061923.D
Acq: 12 Mar 2019 23:52

Tgt Ion:	65	Resp:	111376
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061923.D

Acq: 12 Mar 2019 23:52

Instrument :

MSVOA_F

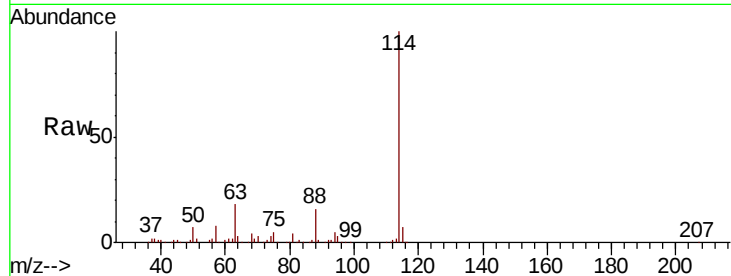
ClientSampleId :

TP-1

Tgt Ion:	114	Resp:	414374
Ion Ratio	Lower	Upper	
114	100		
63	18.2	0.0	35.6
88	16.5	0.0	35.6

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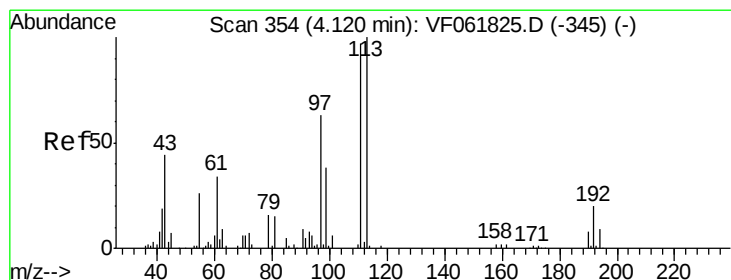
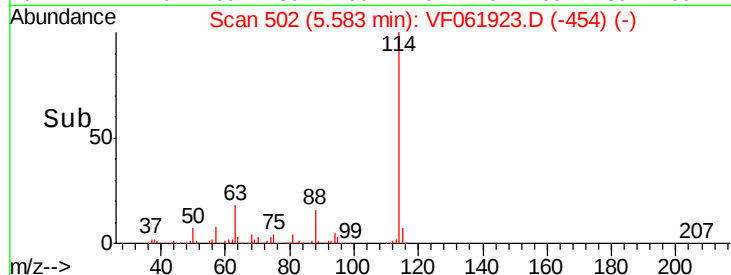
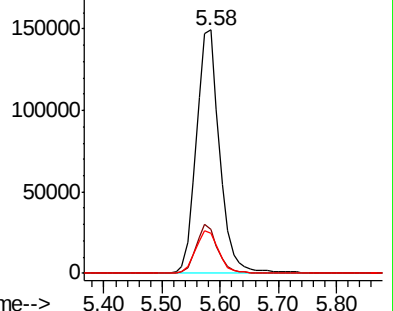
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 51.402 ug/l

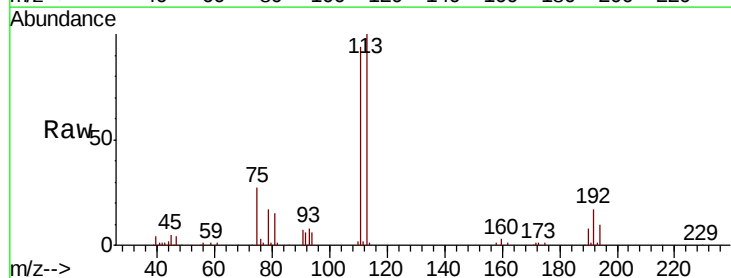
RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061923.D

Acq: 12 Mar 2019 23:52

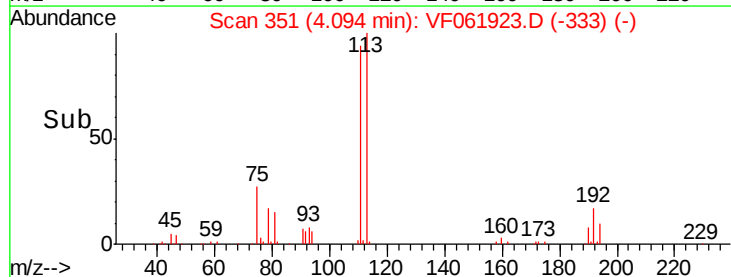
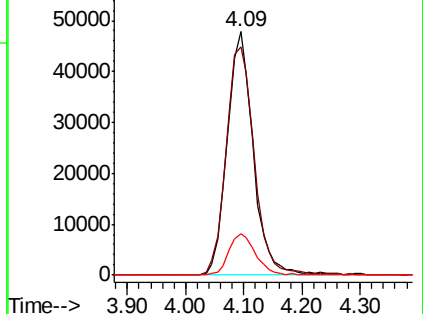
Tgt Ion:	113	Resp:	148643
Ion Ratio	Lower	Upper	
113	100		
111	93.9	77.6	116.4
192	17.0	15.9	23.9

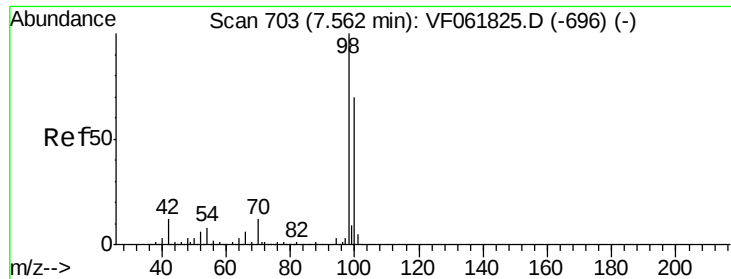


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.300 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061923.D

Acq: 12 Mar 2019 23:52

Instrument :

MSVOA_F

ClientSampled :

TP-1

Tgt Ion: 98 Resp: 286218

Ion Ratio Lower Upper

98 100

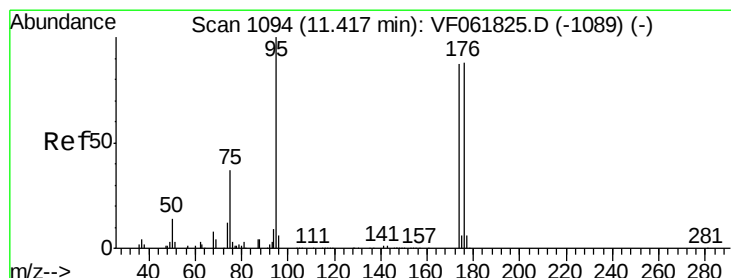
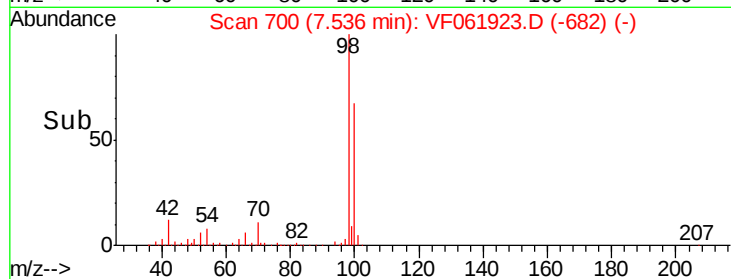
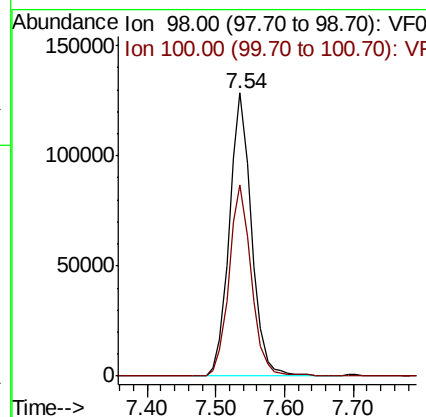
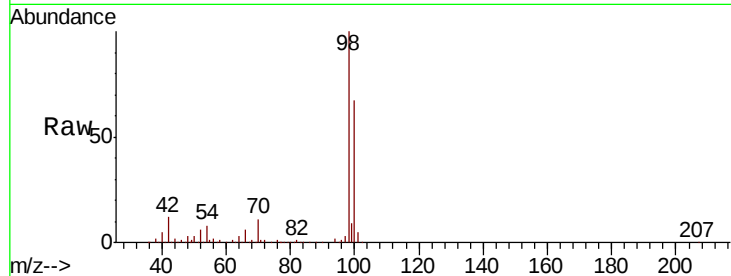
100 67.4 56.0 84.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 25.705 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061923.D

Acq: 12 Mar 2019 23:52

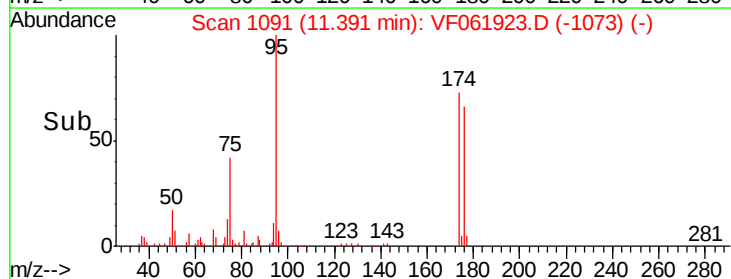
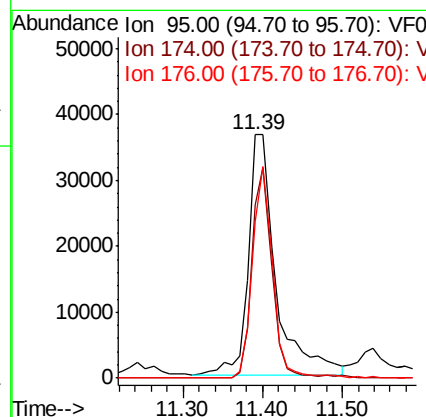
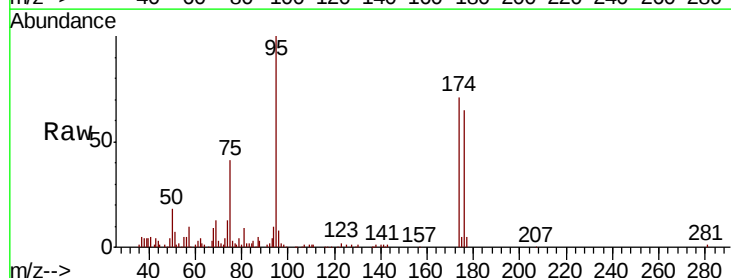
Tgt Ion: 95 Resp: 86549

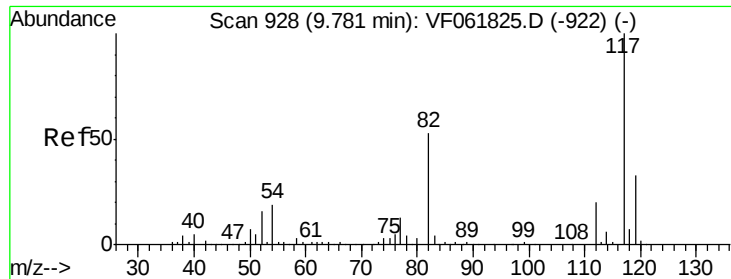
Ion Ratio Lower Upper

95 100

174 71.2 0.0 174.0

176 64.6 0.0 175.2





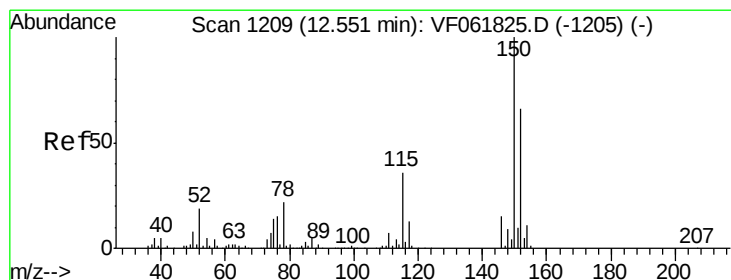
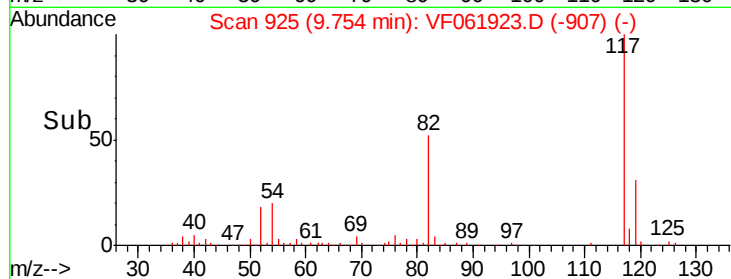
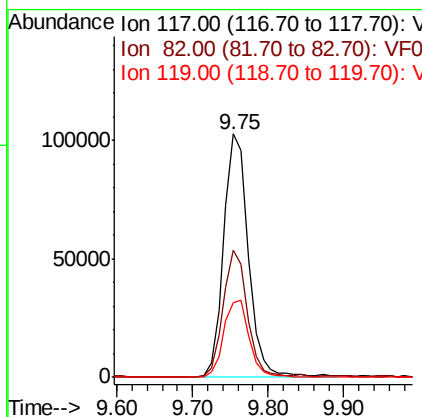
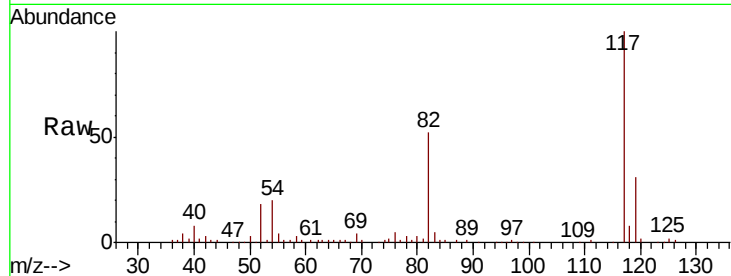
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061923.D
Acq: 12 Mar 2019 23:52

Instrument :
MSVOA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	233560		
82	52.1	42.6	63.8	
119	30.8	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: VF061923.D
Acq: 12 Mar 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	39148		
115	51.3	27.7	83.1	
150	151.6	0.0	304.2	

