

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061756.D
 Acq On : 26 Feb 2019 22:20
 Operator : VA/AP
 Sample : K1628-02
 Misc : 7.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C5-2-0.5-1.0

Manual Integrations
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 2/27/2019 3:20:40 PM

Quant Time: Feb 27 04:49:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	339714	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	512745	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	441580	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	257705	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	106178	42.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	85.24%	
35) Dibromofluoromethane	4.09	113	171345	45.00	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.00%	
50) Toluene-d8	7.53	98	435519	39.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	11.40	95	189299	42.74	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.48%	
Target Compounds						
16) Acetone	2.23	43	10522	19.686	ug/l	96
20) Methylene Chloride	2.17	84	24476m	6.345	ug/l	
64) Tetrachloroethene	8.13	164	6203	1.719	ug/l	85

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

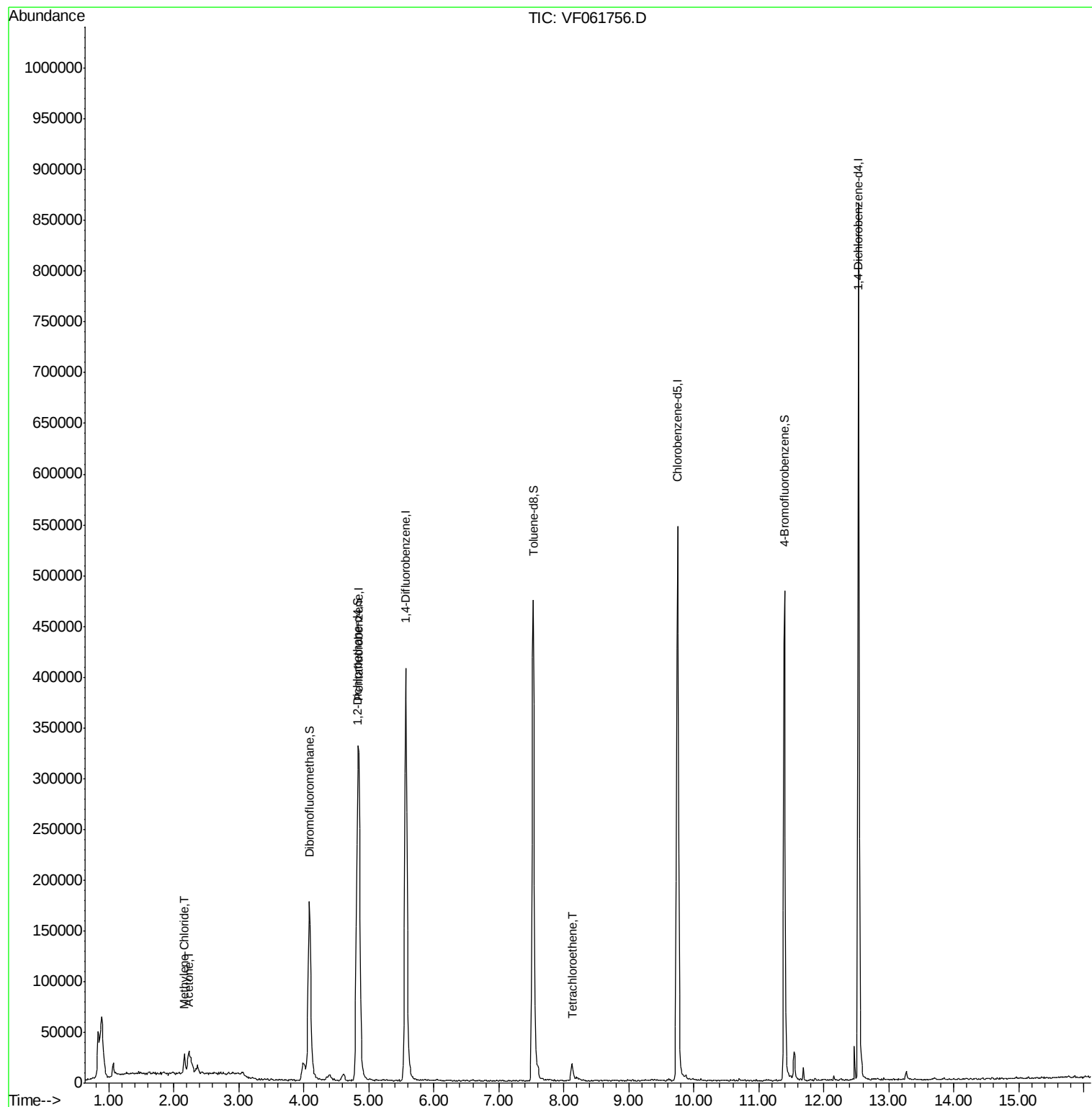
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022619\
Data File : VF061756.D
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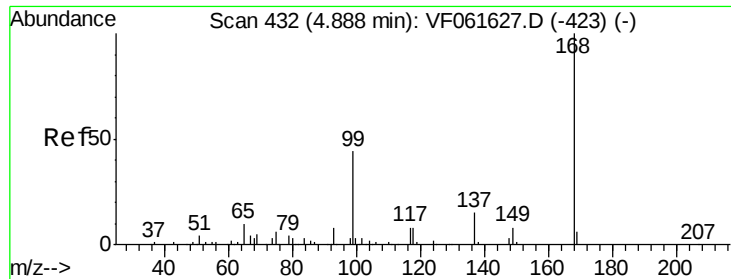
Instrument :
MSVOA_F
ClientSampleId :
A0C5-2-0.5-1.0

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Quant Time: Feb 27 04:49:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0

Tot Ion:168 Resp: 339714

Ion Ratio Lower Upper

168 100

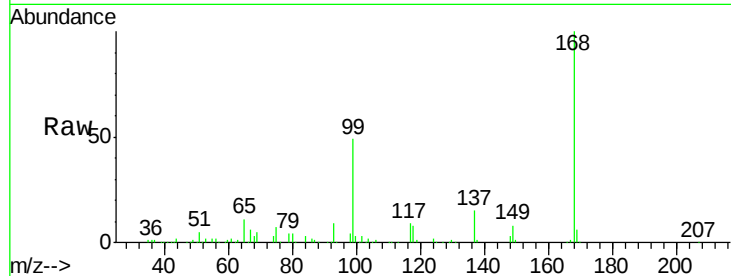
99 49.2 34.9 52.3

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

4.85

120000

100000

80000

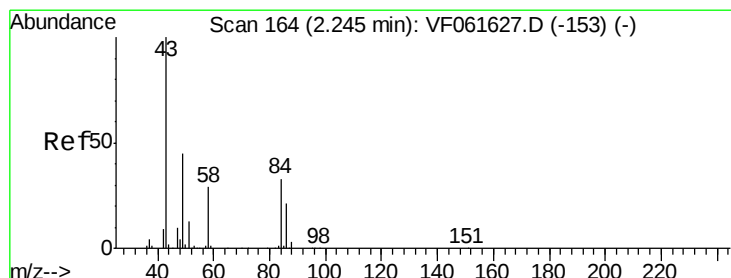
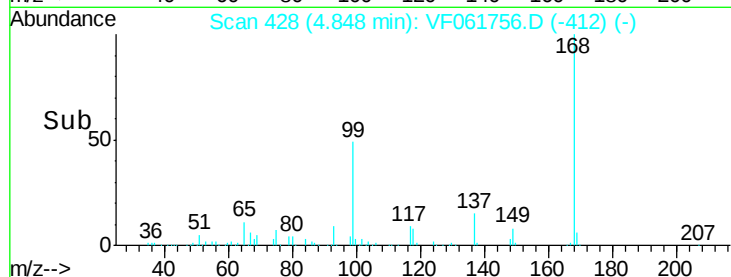
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 19.686 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061756.D

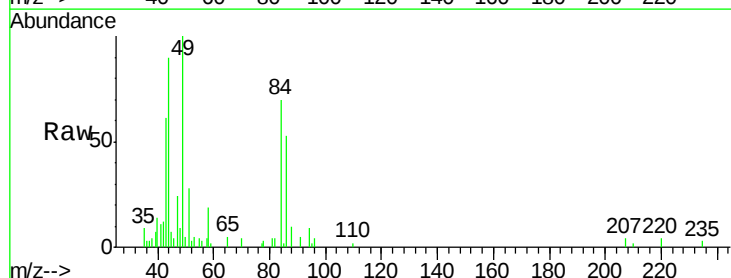
Acq: 26 Feb 2019 22:20

Tgt Ion: 43 Resp: 10522

Ion Ratio Lower Upper

43 100

58 30.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

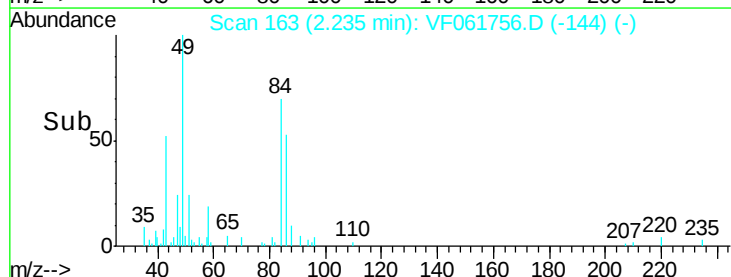
3000

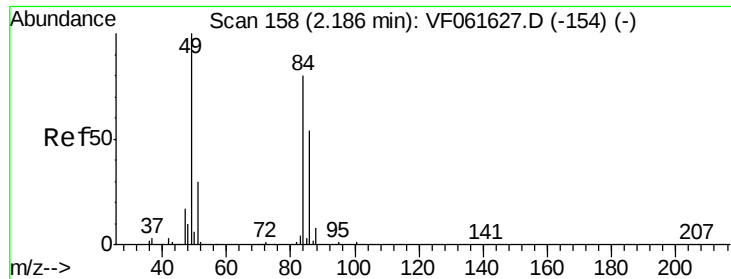
2000

1000

0

Time-->





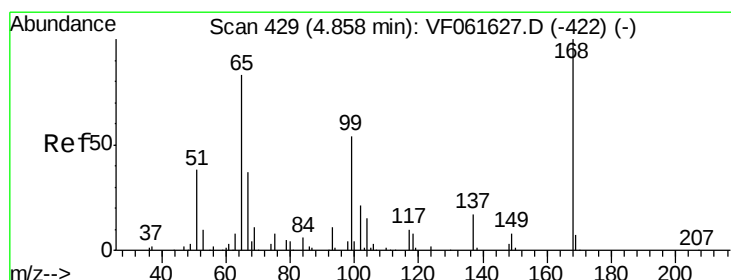
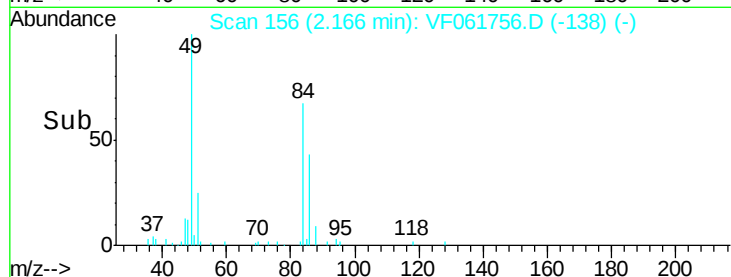
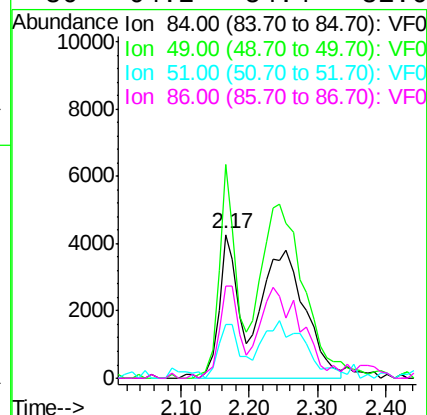
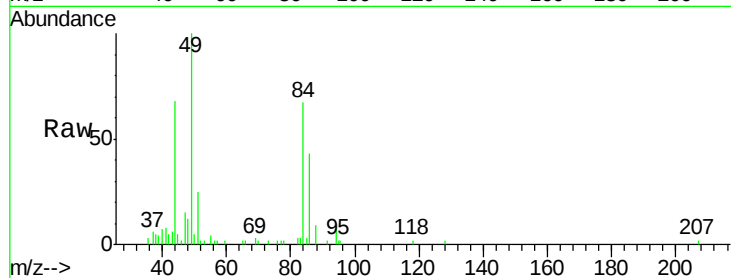
#20
Methvlene Chloride
Concen: 6.345 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

Instrument :
MSVOA_F
ClientSampleId :
A0C5-2-0.5-1.0

Tot Ion	84	Resp	24476
Ion Ratio	100	Lower	Upper
84	100		
49	148.9	101.8	152.8
51	37.2	31.1	46.7
86	64.2	54.4	81.6

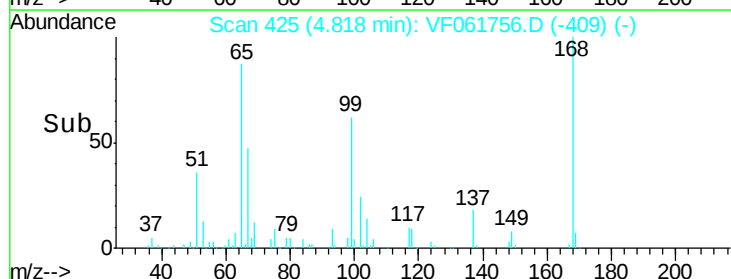
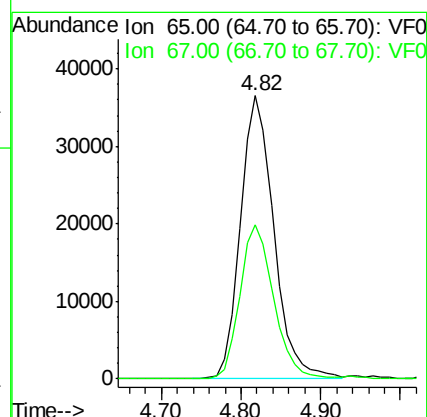
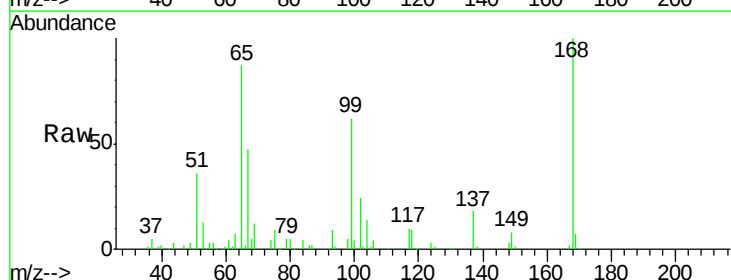
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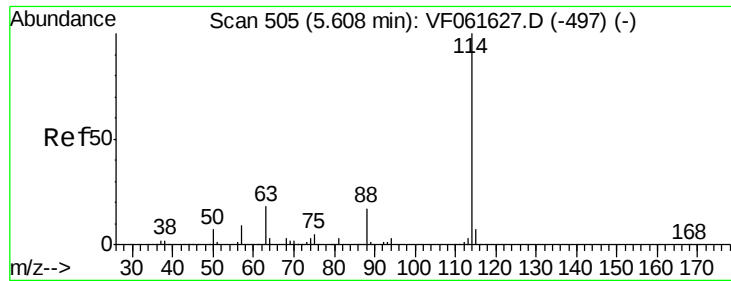
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#33
1,2-Dichloroethane-d4
Concen: 42.622 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

Tgt Ion	65	Resp	106178
Ion Ratio	100	Lower	Upper
65	100		
67	54.3	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

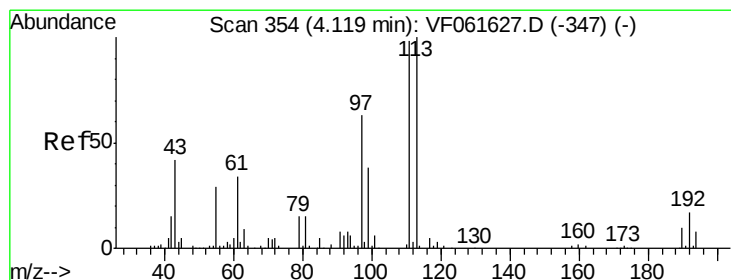
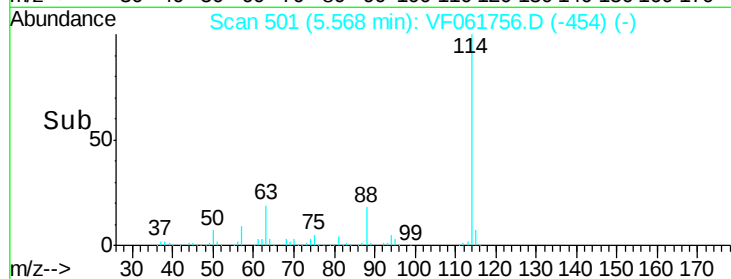
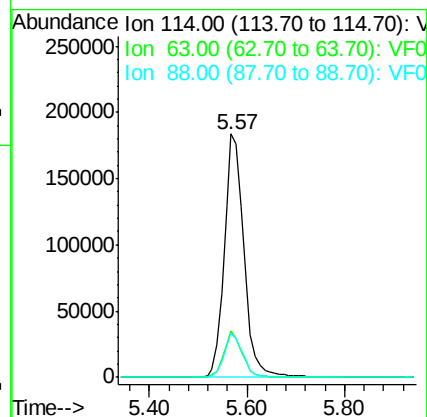
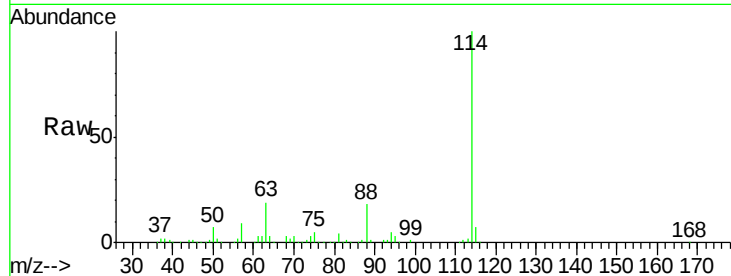
ClientSampleId :

A0C5-2-0.5-1.0

Tot Ion:	114	Resp:	512745
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	36.6
88	18.1	0.0	34.4

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#35

Dibromofluoromethane

Concen: 45.000 ug/l

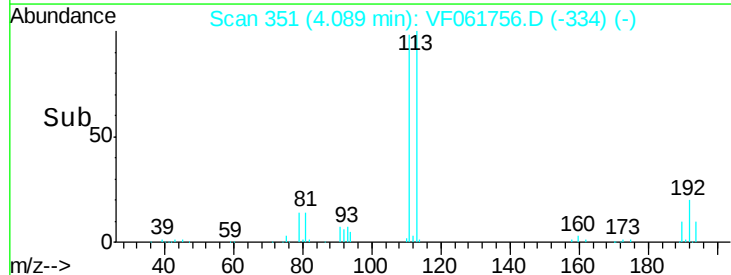
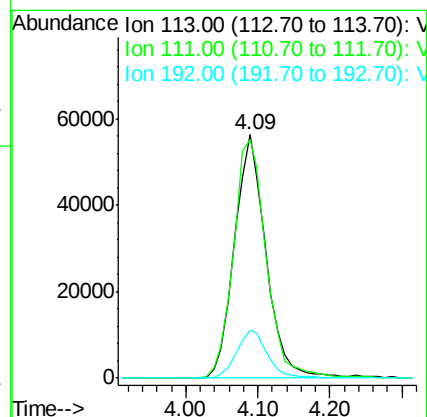
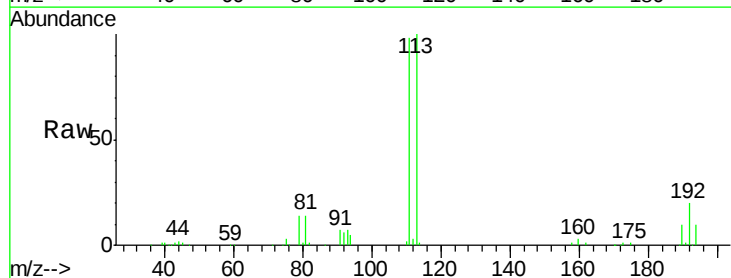
RT: 4.09 min Scan# 351

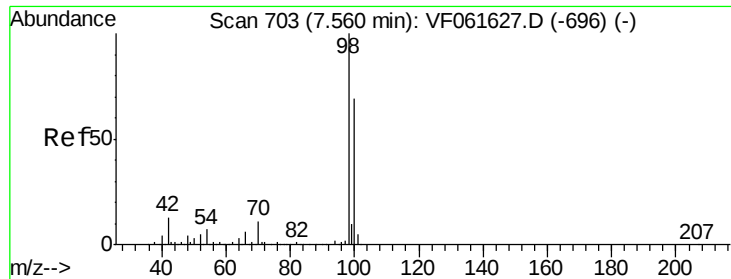
Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Tgt Ion:	113	Resp:	171345
Ion Ratio	Lower	Upper	
113	100		
111	97.8	78.8	118.2
192	20.1	13.4	20.0#





#50

Toluene-d8

Concen: 39.788 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0

Tot Ion: 98 Resp: 435519

Ion Ratio Lower Upper

98 100

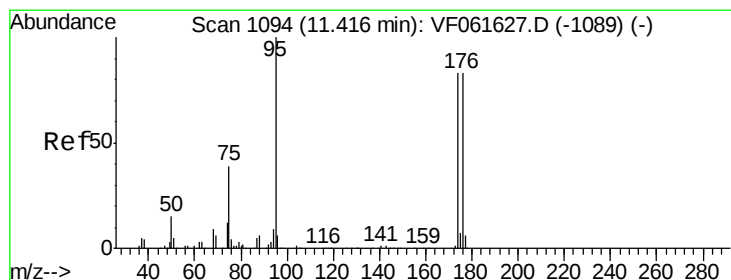
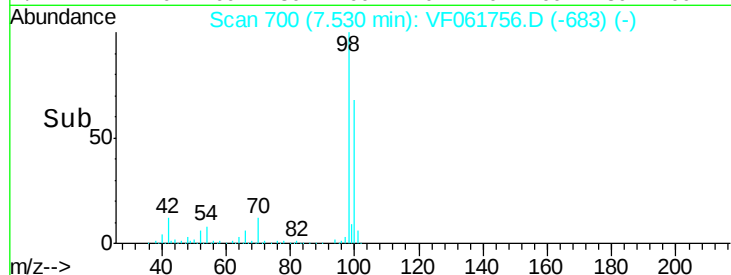
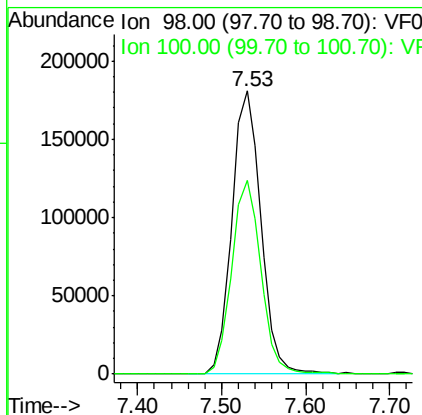
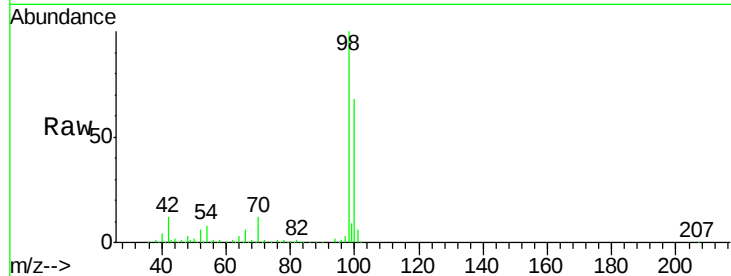
100 68.3 55.4 83.2

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#62

4-Bromofluorobenzene

Concen: 42.741 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061756.D

Acq: 26 Feb 2019 22:20

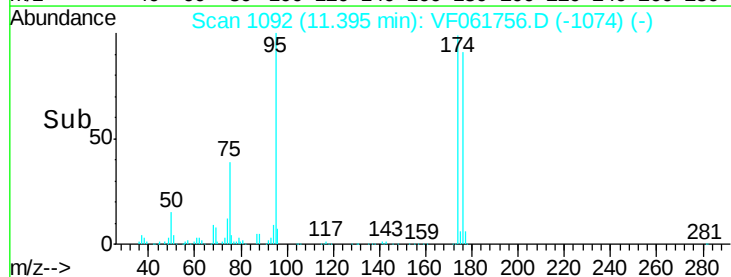
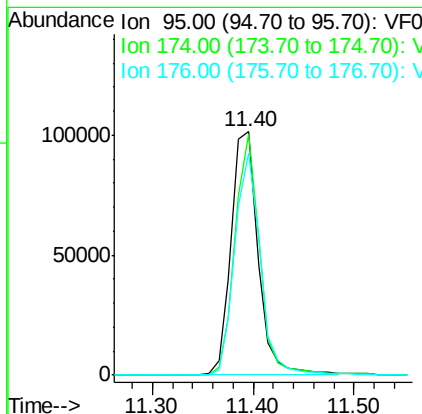
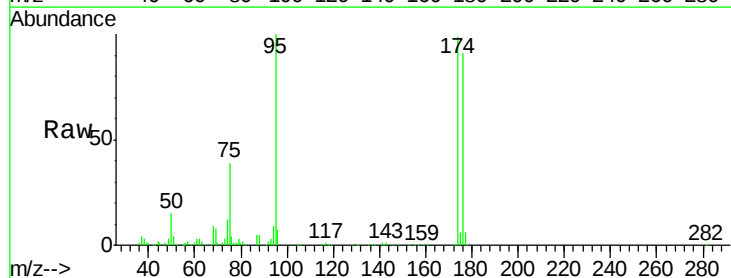
Tgt Ion: 95 Resp: 189299

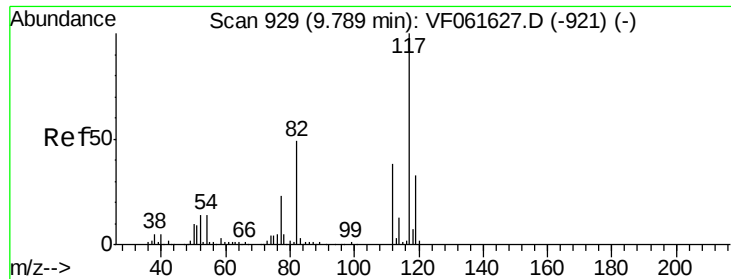
Ion Ratio Lower Upper

95 100

174 99.0 0.0 165.8

176 91.2 0.0 167.0





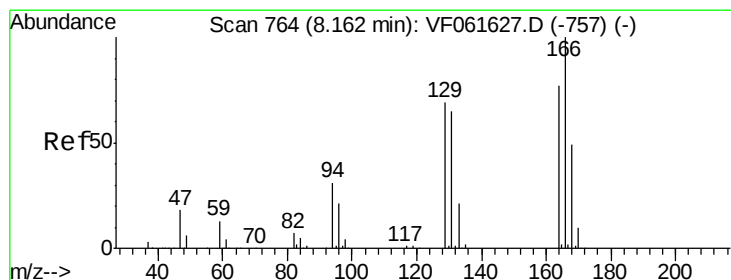
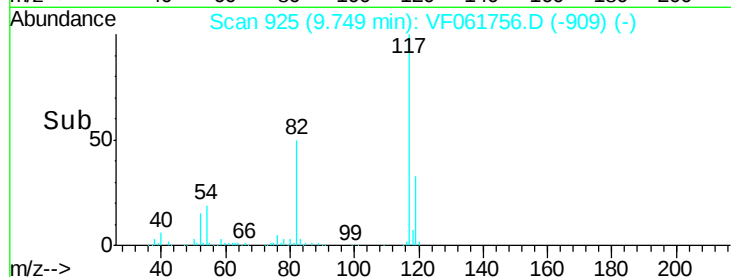
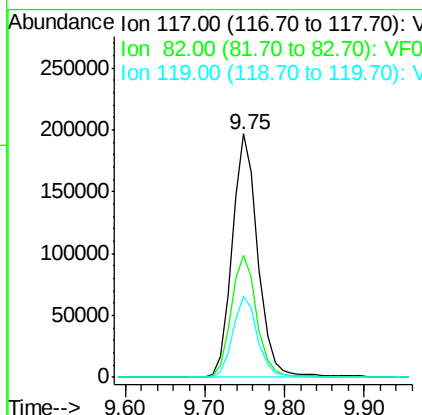
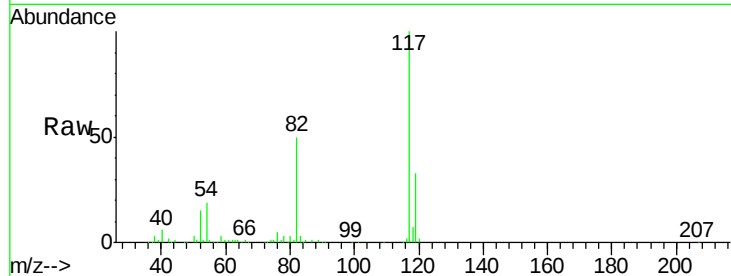
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

Instrument :
MSVOA_F
ClientSampleId :
A0C5-2-0.5-1.0

Tot Ion	Ratio	Resp	Lower	Upper
117	100	441580		
82	50.4		39.3	58.9
119	33.1		26.6	40.0

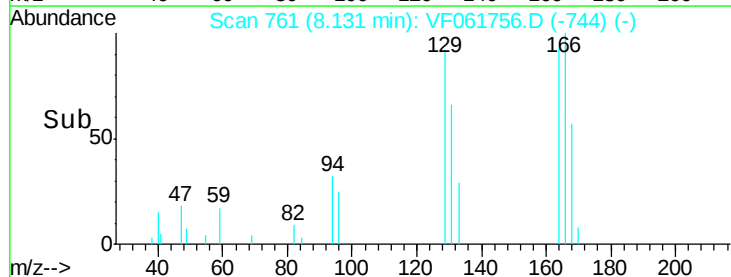
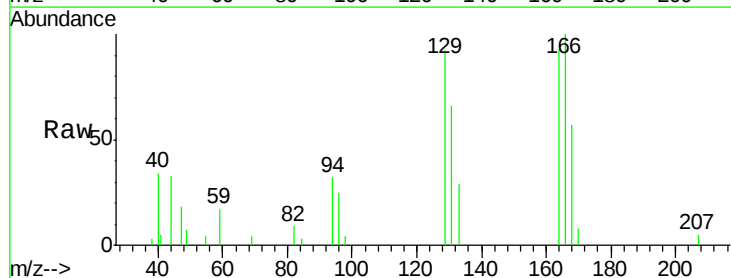
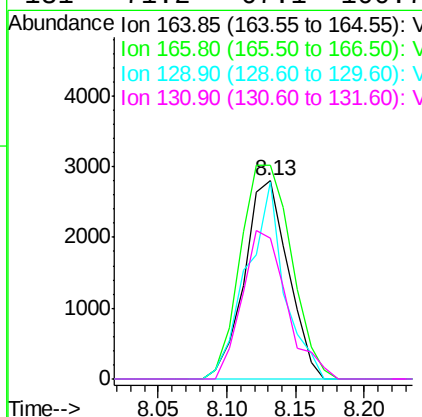
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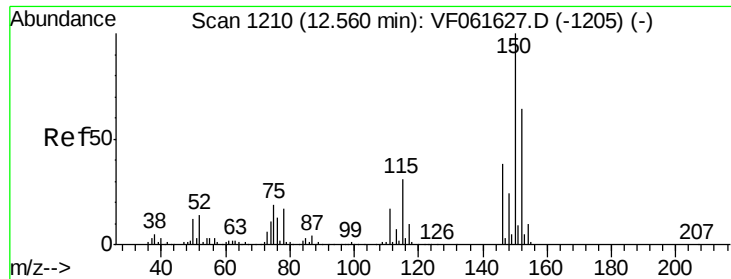
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#64
Tetrachloroethene
Concen: 1.719 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061756.D
Acq: 26 Feb 2019 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6203		
166	107.6		103.9	155.9
129	99.5		71.3	106.9
131	71.2		67.1	100.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF061756.D

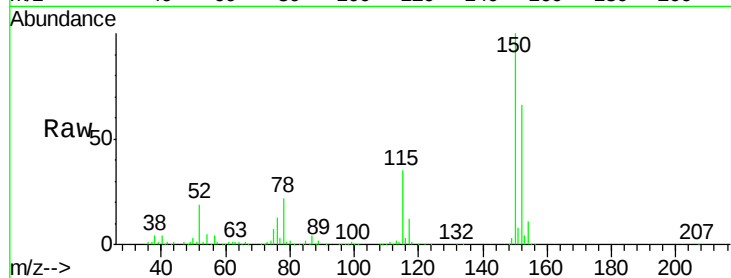
Acq: 26 Feb 2019 22:20

Instrument :

MSVOA_F

ClientSampleId :

A0C5-2-0.5-1.0



Tot Ion:152 Resp: 257705

Ion Ratio Lower Upper

152 100

115 53.5 24.3 72.8

150 151.7 0.0 312.0

Manual Integrations

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