

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061507.D
 Acq On : 24 Jan 2019 18:33
 Operator : VA/AP
 Sample : K1223-04RE
 Misc : 5.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-PRE

Manual Integrations
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 1/25/2019 10:28:32 AM

Quant Time: Jan 25 05:39:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	150713	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.62	114	265194	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.81	117	168167	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	37155	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	90904	48.85	ug/l	0.04
Spiked Amount 50.000			Recovery	=	97.70%	
35) Dibromofluoromethane	4.14	113	99707	47.65	ug/l	0.04
Spiked Amount 50.000			Recovery	=	95.30%	
50) Toluene-d8	7.58	98	188008	32.79	ug/l	0.03
Spiked Amount 50.000			Recovery	=	65.58%	
62) 4-Bromofluorobenzene	11.43	95	45858	17.12	ug/l	0.03
Spiked Amount 50.000			Recovery	=	34.24%	
Target Compounds						
16) Acetone	2.25	43	37178	99.596	ug/l	96
20) Methylene Chloride	2.26	84	6459m	3.462	ug/l	
25) 2-Butanone	4.36	43	112765	181.656	ug/l	98
86) p-Isopropyltoluene	12.48	119	12703	4.514	ug/l	100
95) Naphthalene	14.47	128	3457	2.176	ug/l #	81

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

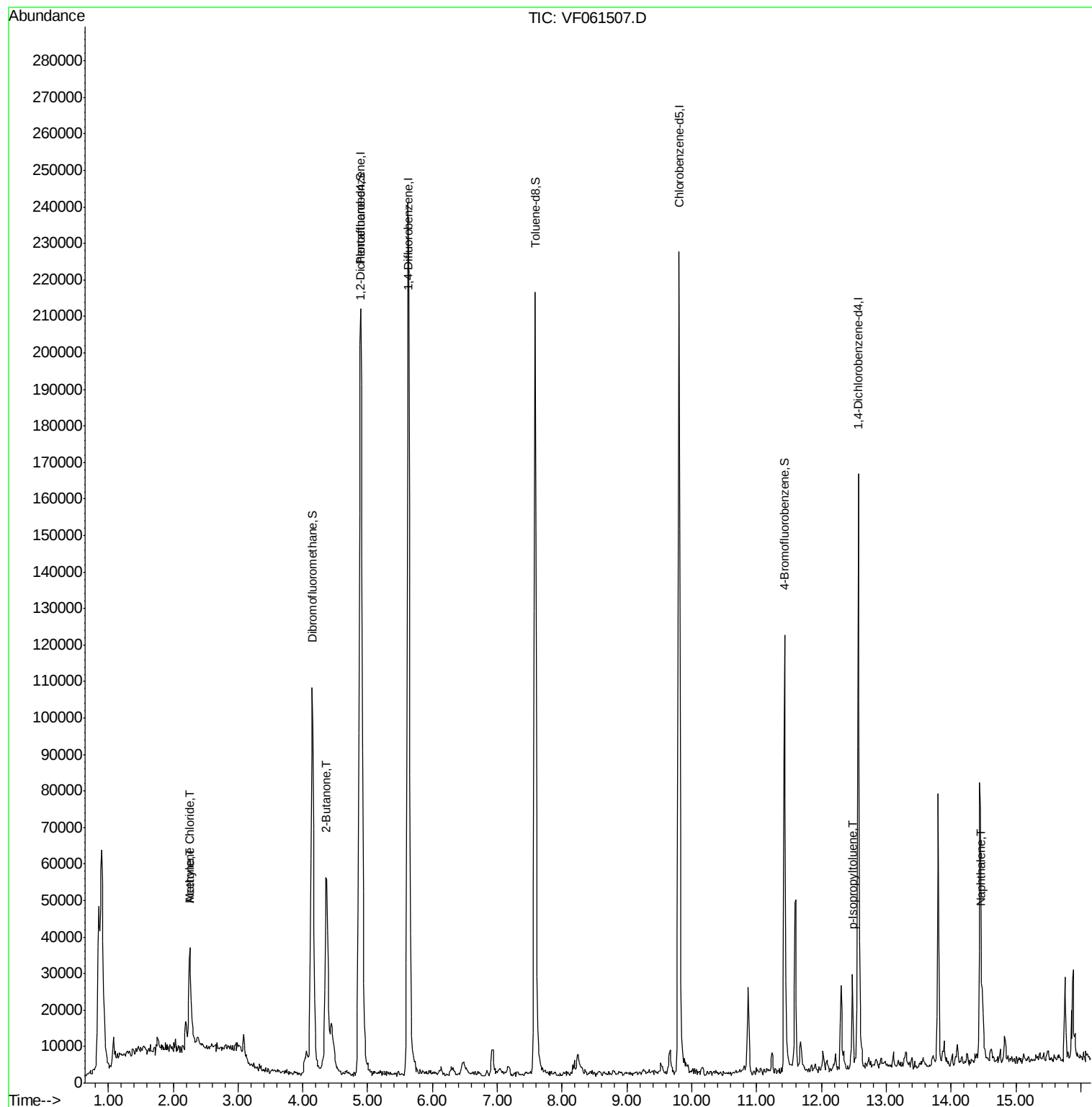
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061507.D
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Operator : VA/AP
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Misc : 5.28g/5mL/MSVOA-F/SOIL
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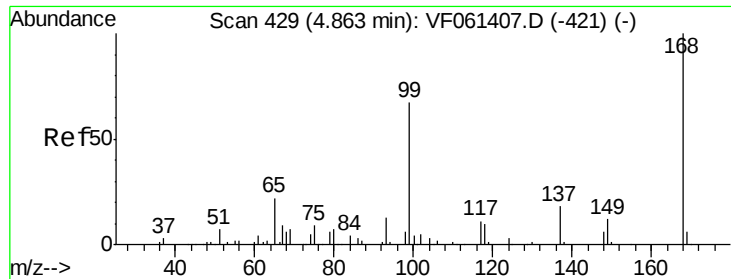
Instrument :
MSVOA_F
ClientSampleId :
TS-PRE

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Quant Time: Jan 25 05:39:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Instrument :

MSVOA_F

ClientSampled :

TS-PRE

Tot Ion:168 Resp: 150713

Ion Ratio Lower Upper

168 100

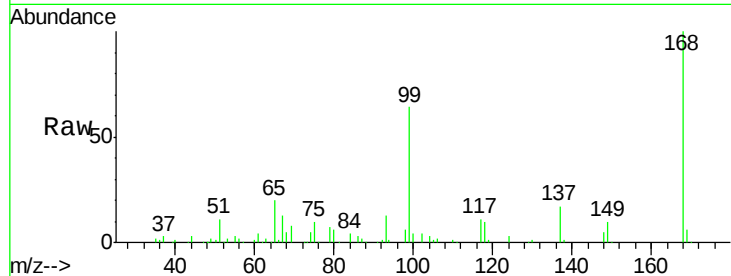
99 64.4 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

50000

40000

30000

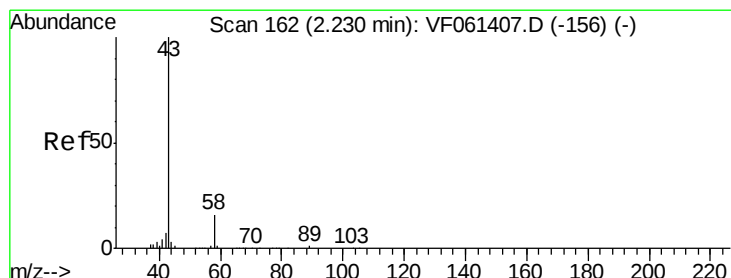
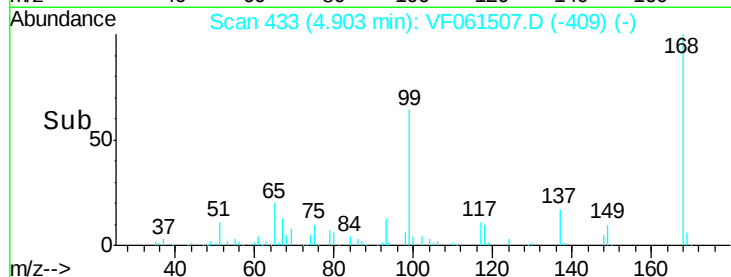
20000

10000

0

Time-->

4.80 4.90 5.00



#16

Acetone

Concen: 99.596 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061507.D

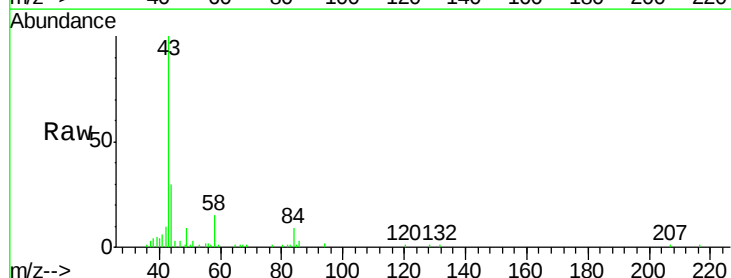
Acq: 24 Jan 2019 18:33

Tgt Ion: 43 Resp: 37178

Ion Ratio Lower Upper

43 100

58 14.8 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

15000

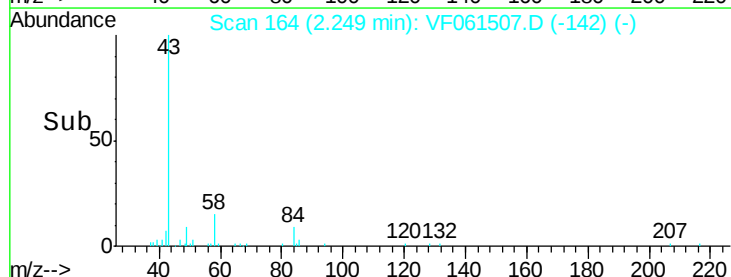
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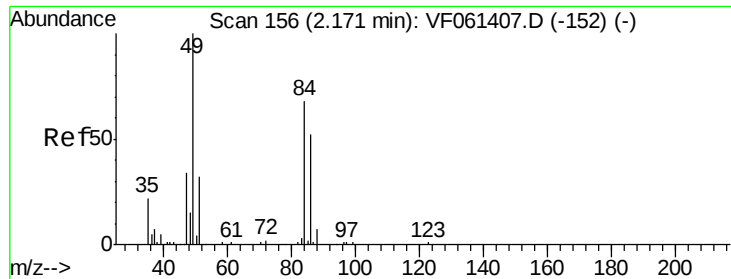
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Time-->

2.20 2.30





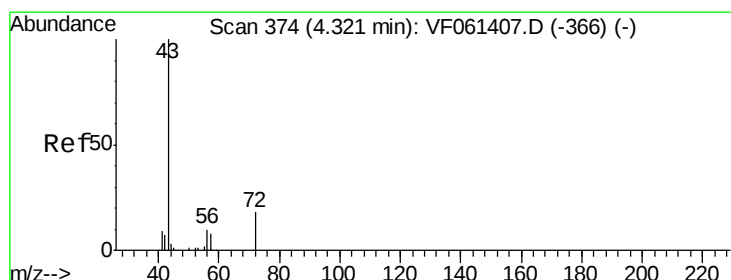
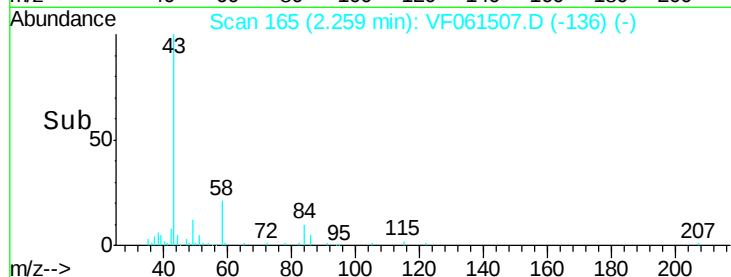
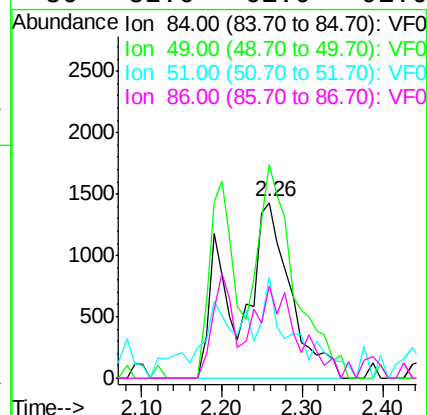
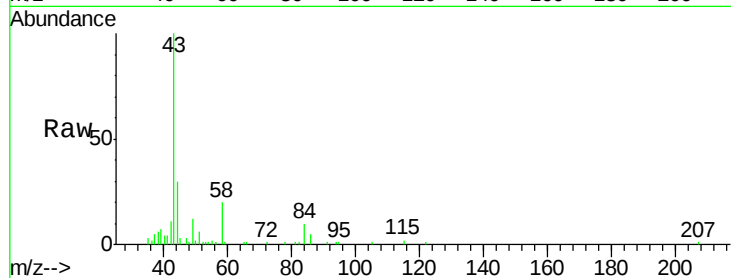
#20
Methvlene Chloride
Concen: 3.462 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.09 min
Lab File: VF061507.D
Acq: 24 Jan 2019 18:33

Instrument :
MSVOA_F
ClientSampled :
TS-PRE

Tot Ion	Ratio	Lower	Upper
84	100		
49	121.4	120.0	180.0
51	57.7	38.6	58.0
86	52.6	61.0	91.6#

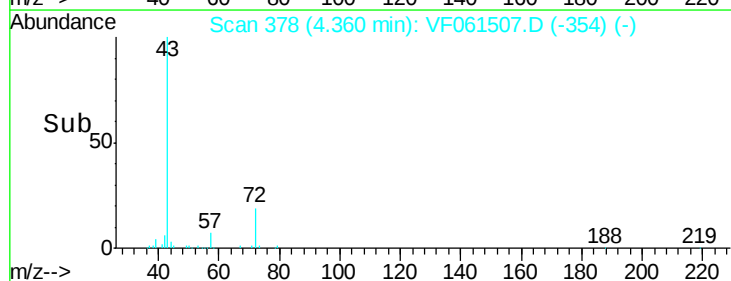
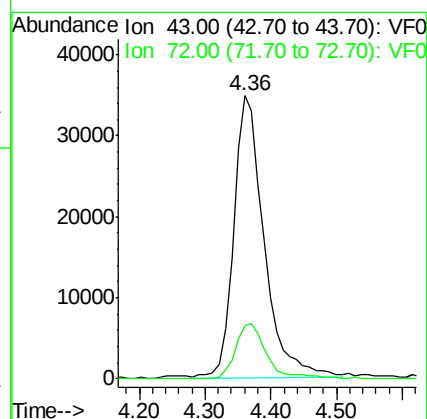
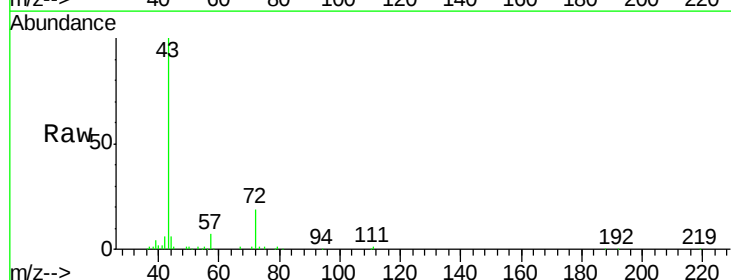
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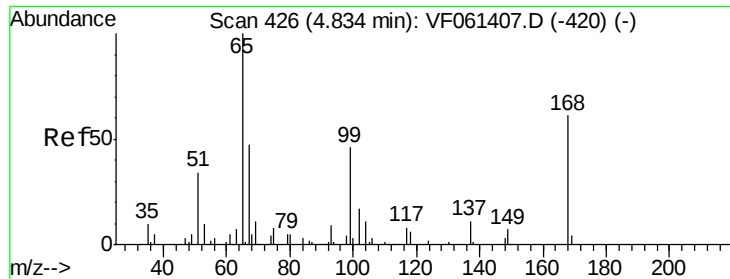
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#25
2-Butanone
Concen: 181.656 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.04 min
Lab File: VF061507.D
Acq: 24 Jan 2019 18:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.9	15.8	23.6





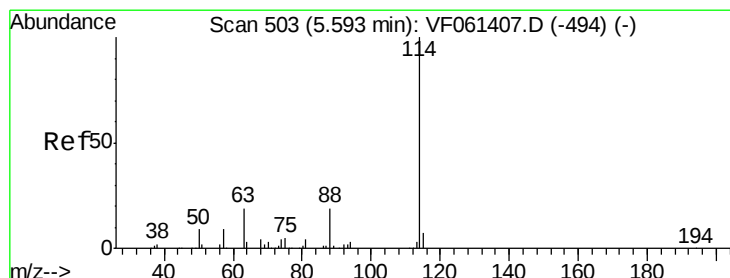
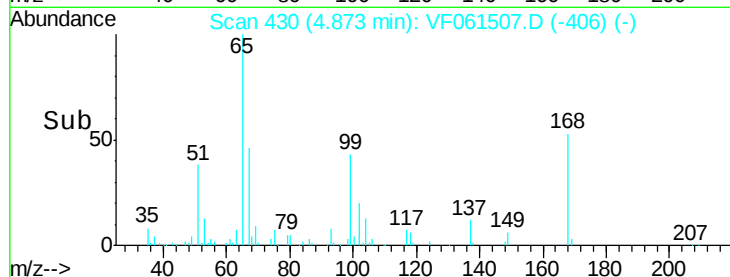
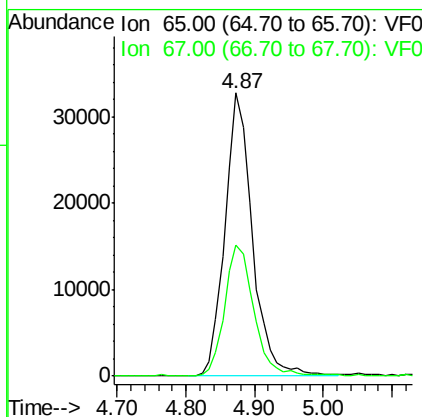
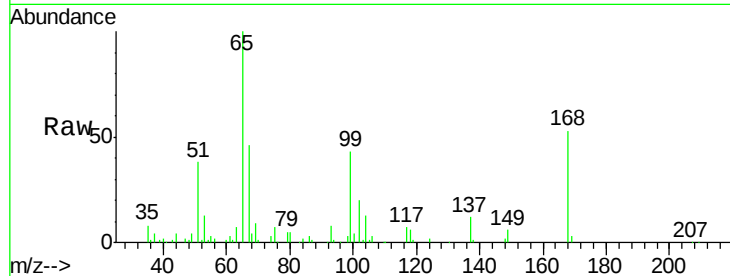
#33
 1,2-Dichloroethane-d4
 Concen: 48.853 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.04 min
 Lab File: VF061507.D
 Acq: 24 Jan 2019 18:33

Instrument :
 MSVOA_F
 ClientSampled :
 TS-PRE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	90904		
67	46.3	0.0	99.8	

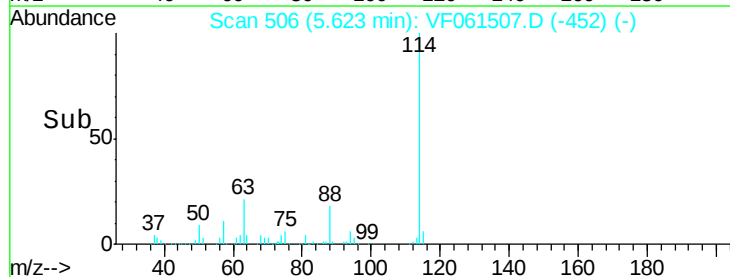
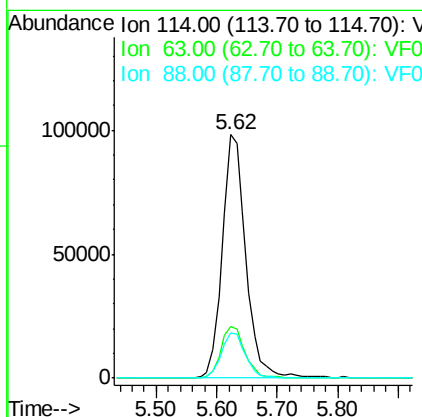
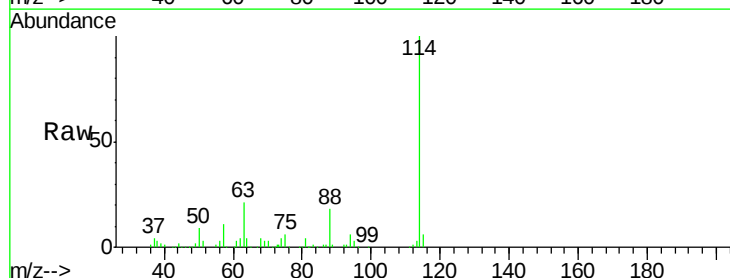
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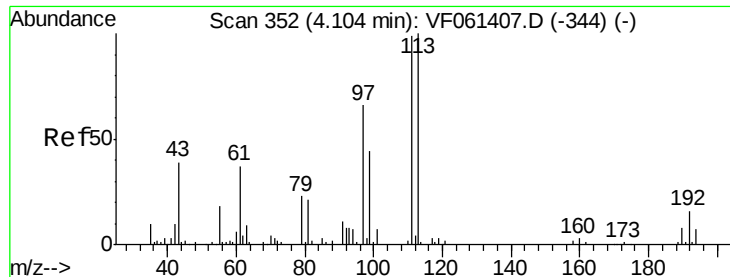
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.03 min
 Lab File: VF061507.D
 Acq: 24 Jan 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	265194		
63	21.1	0.0	39.0	
88	18.5	0.0	37.4	





#35

Dibromofluoromethane

Concen: 47.647 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.04 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Instrument :

MSVOA_F

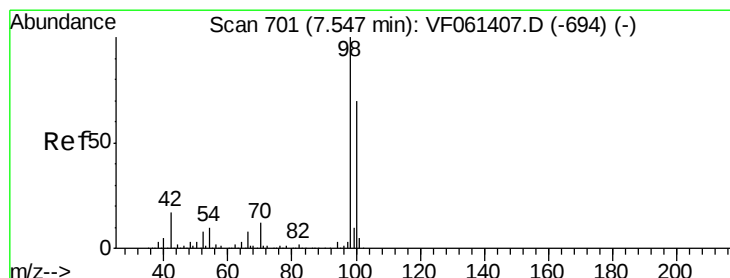
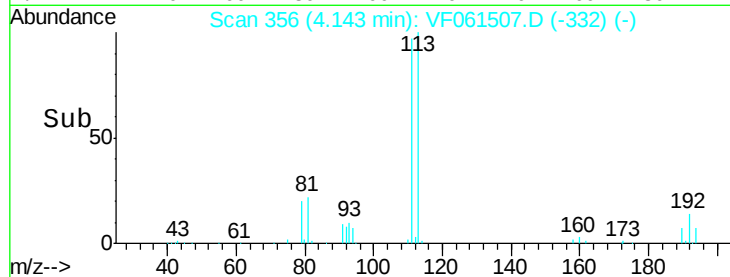
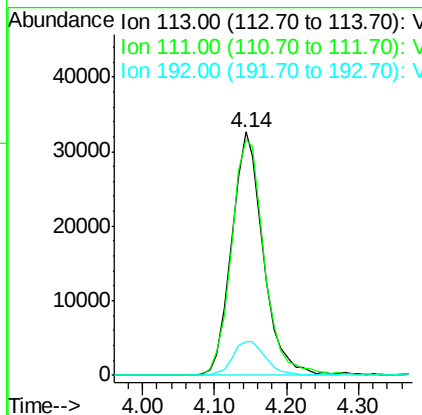
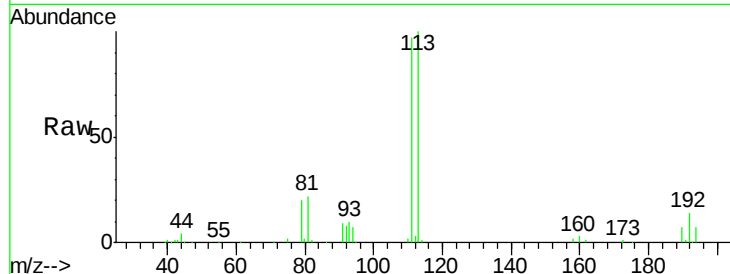
ClientSampleId :

TS-PRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		99707		
111	97.0			79.4	119.0
192	14.3			12.4	18.6

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#50

Toluene-d8

Concen: 32.792 ug/l

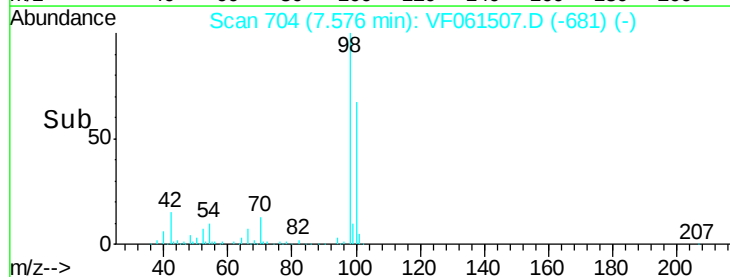
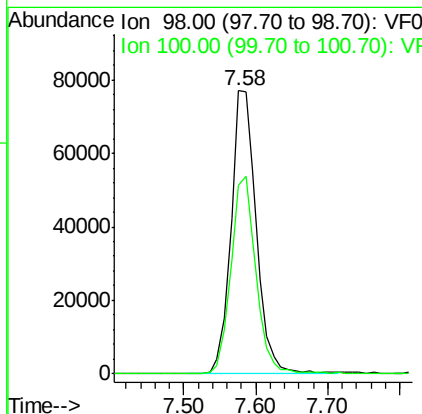
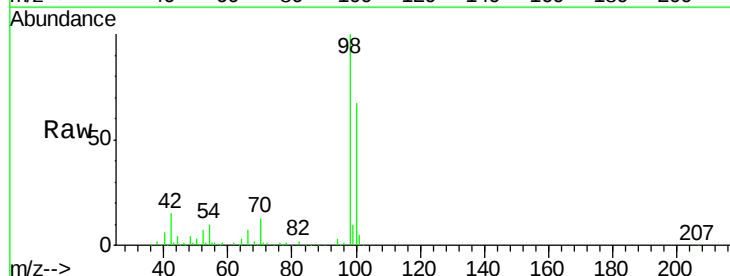
RT: 7.58 min Scan# 704

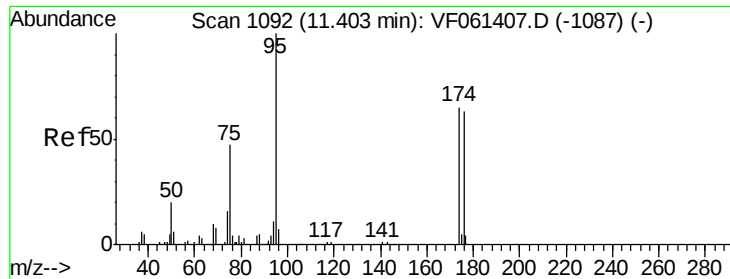
Delta R.T. 0.03 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100		188008		
100	66.8			55.6	83.4





#62

4-Bromofluorobenzene

Concen: 17.119 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Instrument :

MSVOA_F

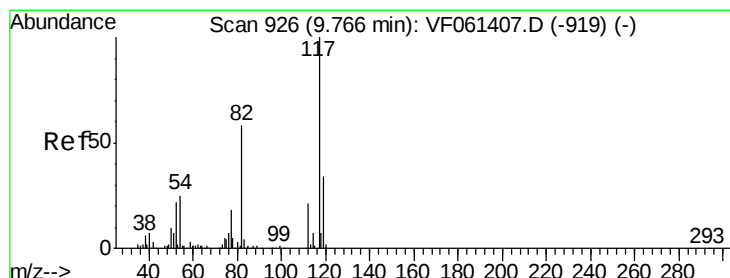
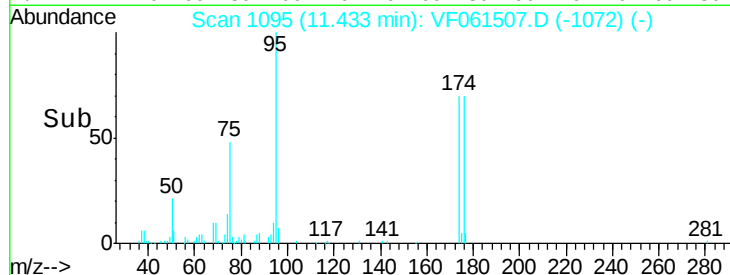
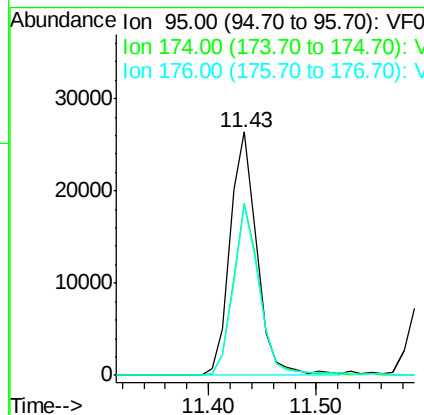
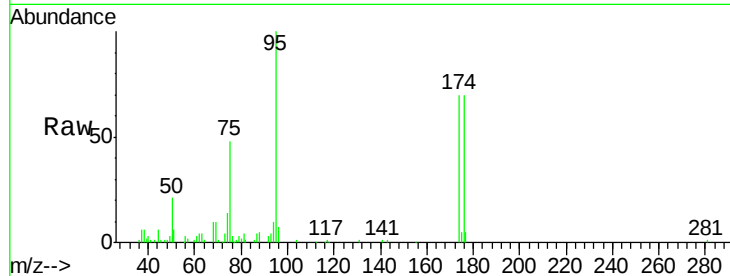
ClientSampleId :

TS-PRE

Tot Ion:	95	Resp:	45858
Ion Ratio	Lower	Upper	
95	100		
174	70.4	0.0	130.4
176	69.9	0.0	126.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

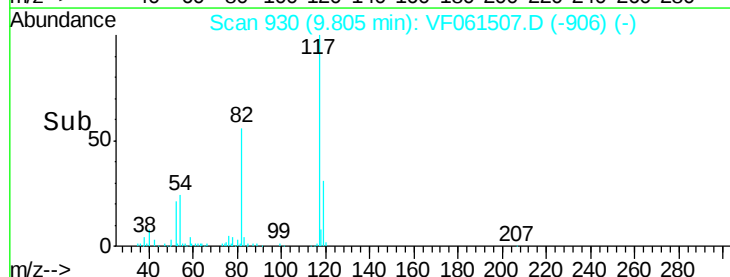
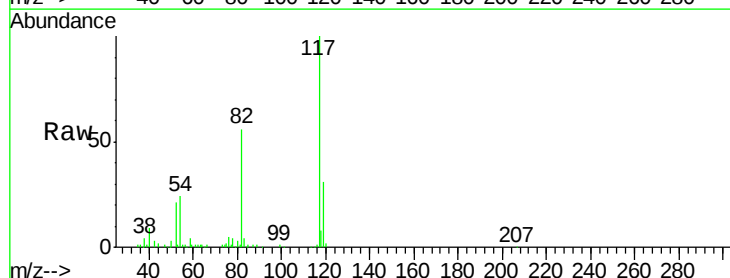
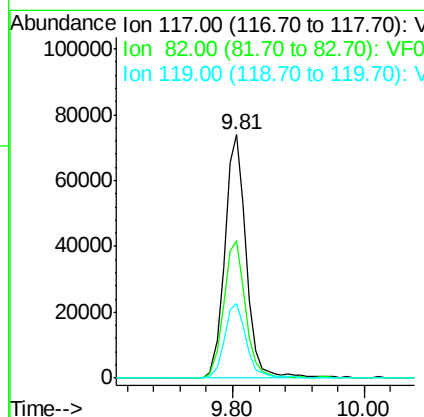
RT: 9.81 min Scan# 930

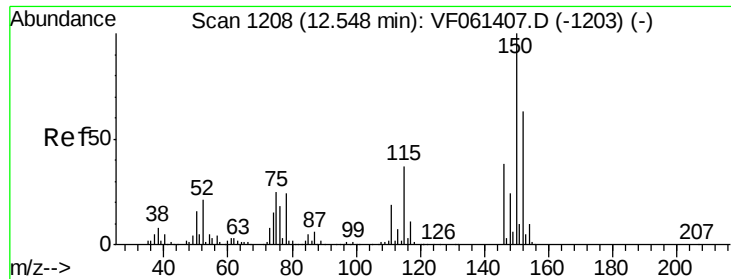
Delta R.T. 0.04 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Tgt Ion:	117	Resp:	168167
Ion Ratio	Lower	Upper	
117	100		
82	56.2	46.4	69.6
119	30.9	27.2	40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Instrument :

MSVOA_F

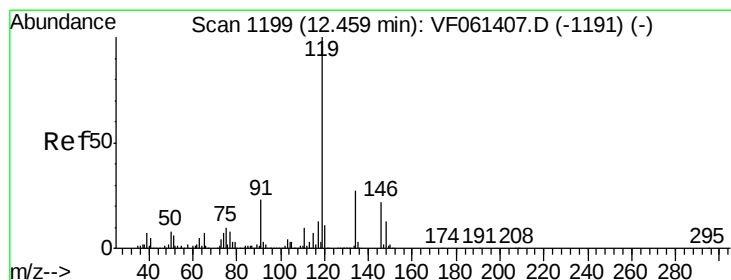
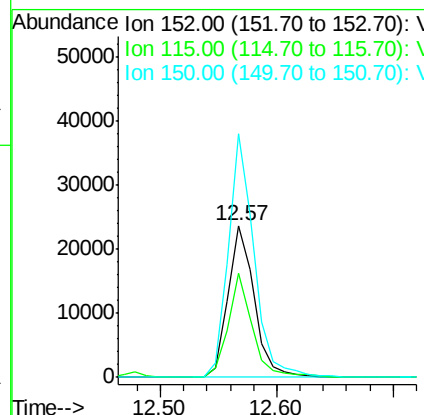
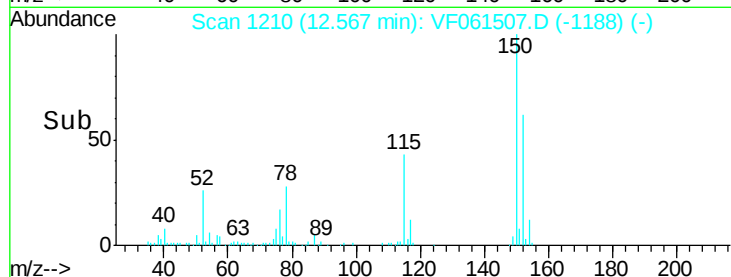
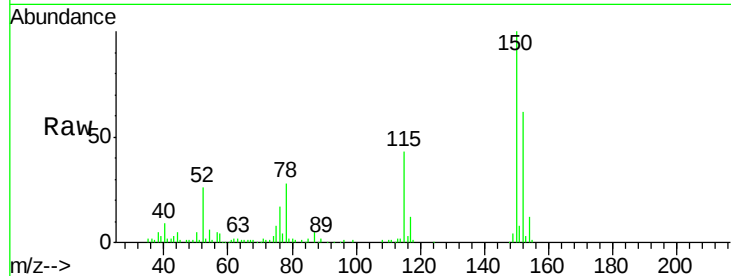
ClientSampled :

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Tot Ion:	152	Resp:	37155
Ion	Ratio	Lower	Upper
152	100		
115	68.6	30.0	90.0
150	160.3	0.0	321.4

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#86

p-Isopropyltoluene

Concen: 4.514 ug/l

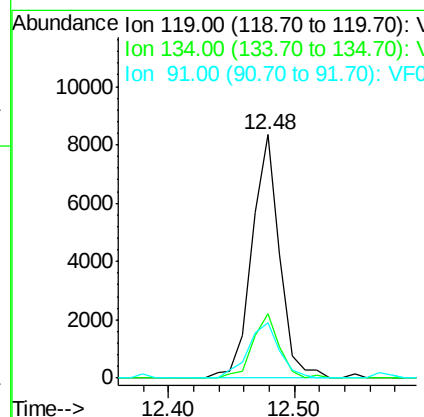
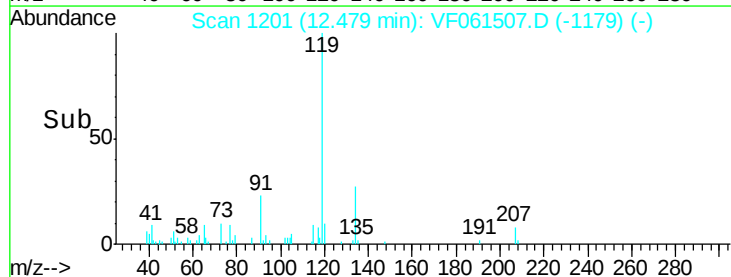
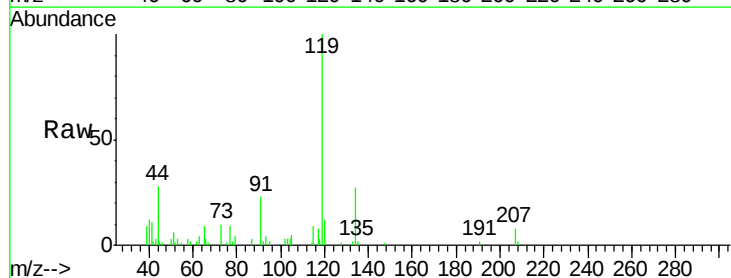
RT: 12.48 min Scan# 1201

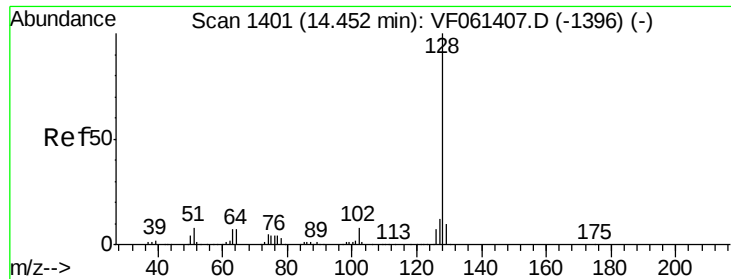
Delta R.T. 0.02 min

Lab File: VF061507.D

Acq: 24 Jan 2019 18:33

Tgt Ion:	119	Resp:	12703
Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	22.6	11.4	34.2





#95
Naphthalene
Concen: 2.176 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VF061507.D
Acq: 24 Jan 2019 18:33

Instrument :
MSVOA_F
ClientSampleId :
TS-PRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	22.6	9.5	14.3#
129	13.6	8.4	12.6#

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