

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061506.D
 Acq On : 24 Jan 2019 18:04
 Operator : VA/AP
 Sample : K1223-03RE
 Misc : 5.47g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-ORE

Manual Integrations
 APPROVED

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 1/25/2019 10:28:27 AM

Quant Time: Jan 25 05:08:20 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	155188	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	288363	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	174357	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	41031	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	83843	43.76	ug/l	0.04
Spiked Amount 50.000			Recovery	=	87.52%	
35) Dibromofluoromethane	4.15	113	96810	42.55	ug/l	0.04
Spiked Amount 50.000			Recovery	=	85.10%	
50) Toluene-d8	7.58	98	196933	31.59	ug/l	0.04
Spiked Amount 50.000			Recovery	=	63.18%	
62) 4-Bromofluorobenzene	11.43	95	49431	16.97	ug/l	0.03
Spiked Amount 50.000			Recovery	=	33.94%	
Target Compounds						
16) Acetone	2.25	43	36766	95.652	ug/l	99
20) Methylene Chloride	2.25	84	6274m	3.162	ug/l	
25) 2-Butanone	4.37	43	115526	180.737	ug/l	99
86) p-Isopropyltoluene	12.47	119	13165	4.237	ug/l	90
95) Naphthalene	14.48	128	3875	2.208	ug/l #	96

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

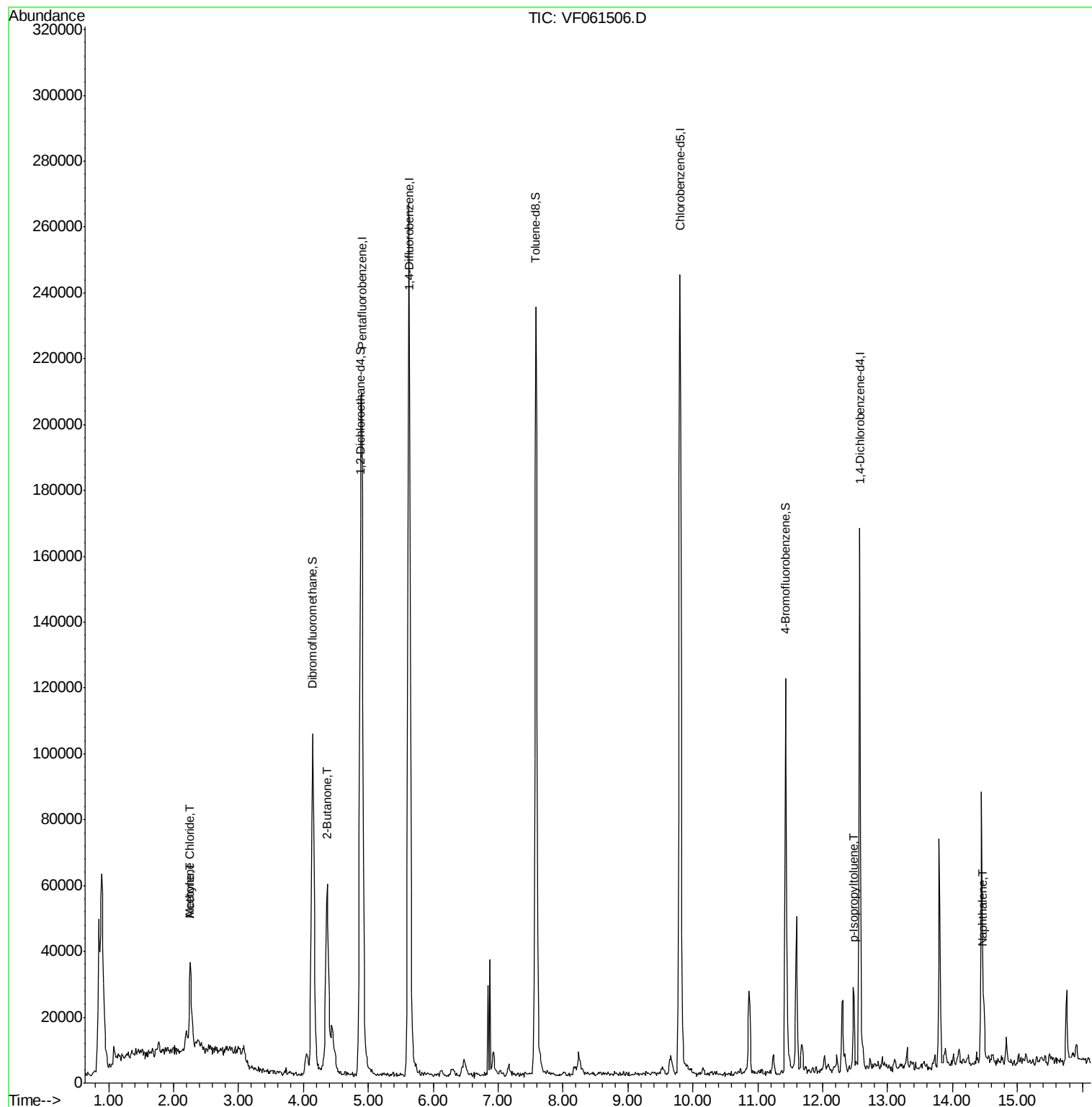
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061506.D
Acq On : 24 Jan 2019 18:04
Operator : VA/AP
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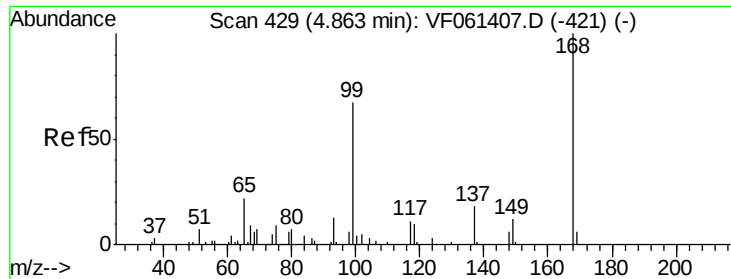
Instrument :
MSVOA_F
ClientSampleId :
TS-ORE

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Quant Time: Jan 25 05:08:20 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: VF061506.D

Acq: 24 Jan 2019 18:04

Instrument :

MSVOA_F

ClientSampled :

TS-ORE

Tot Ion:168 Resp: 155188

Ion Ratio Lower Upper

168 100

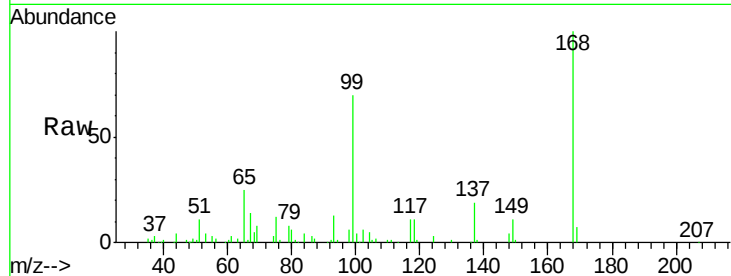
99 69.8 53.5 80.3

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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

60000

50000

40000

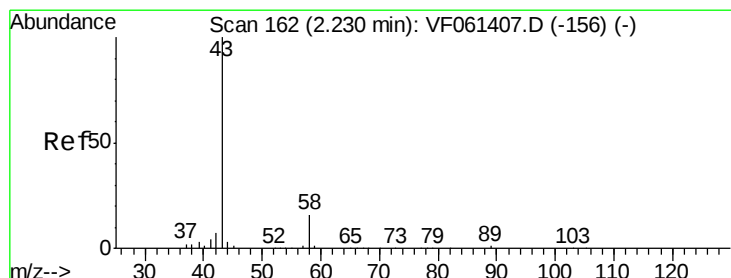
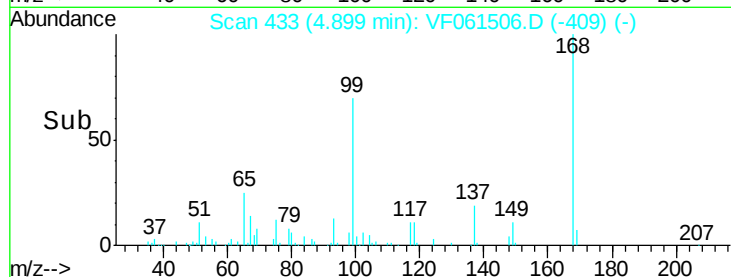
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 95.652 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.03 min

Lab File: VF061506.D

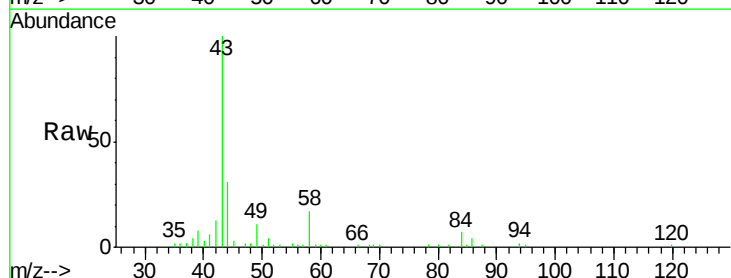
Acq: 24 Jan 2019 18:04

Tgt Ion: 43 Resp: 36766

Ion Ratio Lower Upper

43 100

58 17.1 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

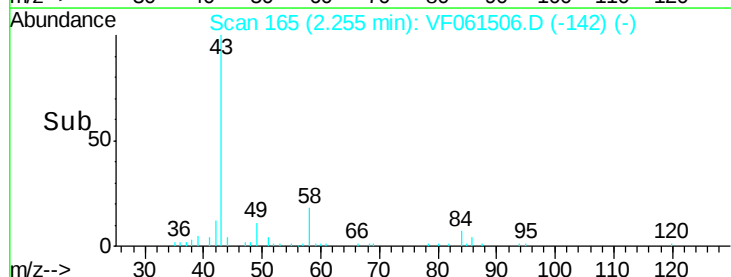
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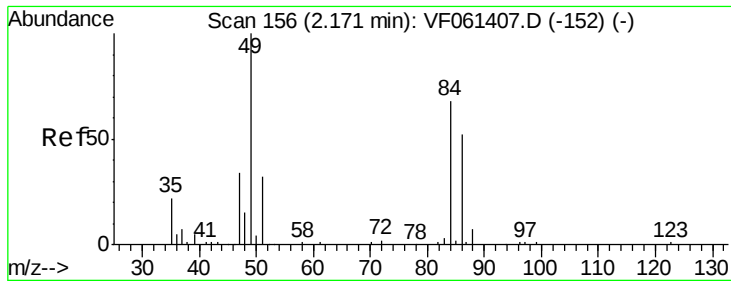
10000

5000

0

Time-->





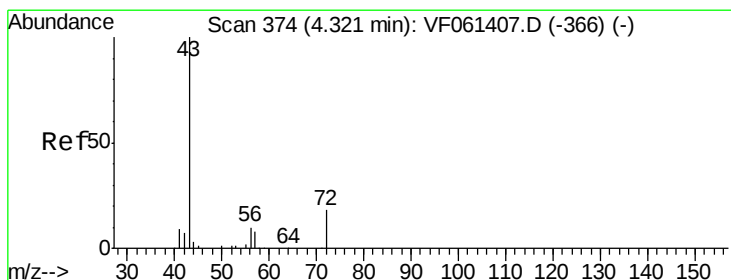
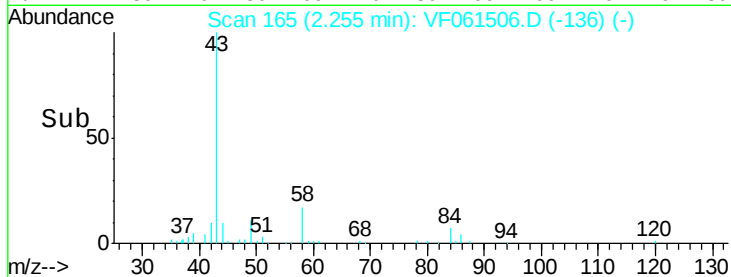
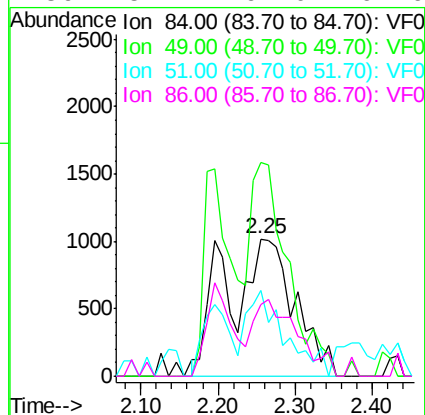
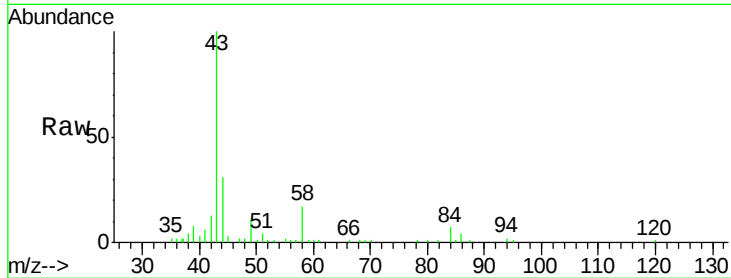
#20
Methvlene Chloride
Concen: 3.162 ug/l m
RT: 2.25 min Scan# 165
Delta R.T. 0.08 min
Lab File: VF061506.D
Acq: 24 Jan 2019 18:04

Instrument :
MSVOA_F
ClientSampleId :
TS-ORE

Tot Ion	Ratio	Lower	Upper
84	100		
49	155.7	120.0	180.0
51	62.6	38.6	58.0#
86	52.2	61.0	91.6#

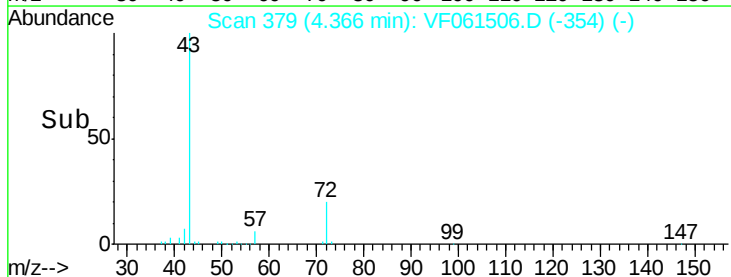
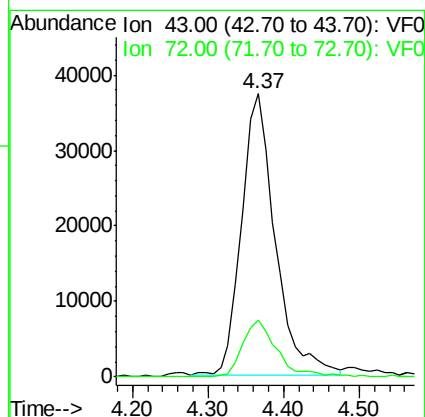
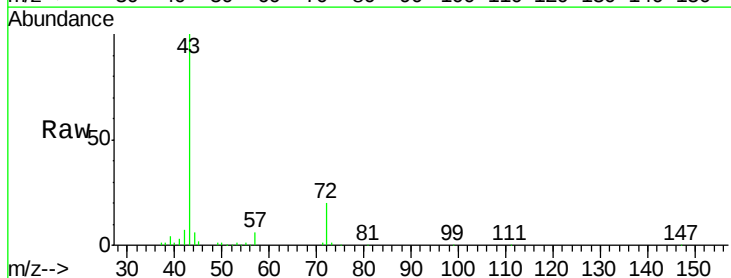
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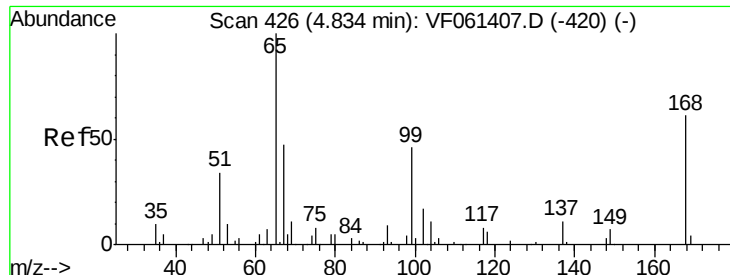
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#25
2-Butanone
Concen: 180.737 ug/l
RT: 4.37 min Scan# 379
Delta R.T. 0.04 min
Lab File: VF061506.D
Acq: 24 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.3	15.8	23.6





#33

1,2-Dichloroethane-d4

Concen: 43.759 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.04 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

Tot Ion: 65 Resp: 83843

Ion Ratio Lower Upper

65 100

67 47.6 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

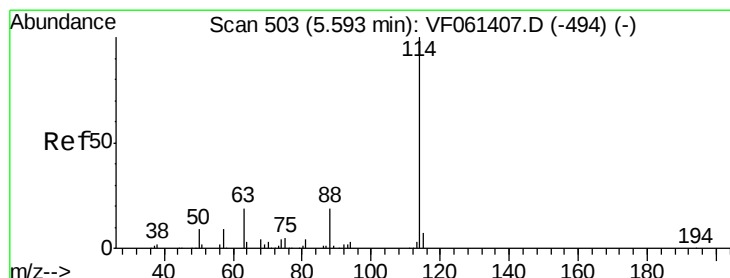
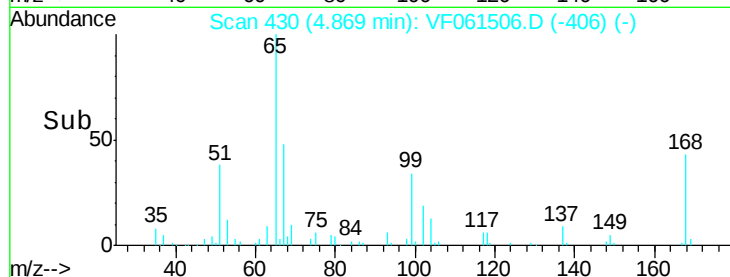
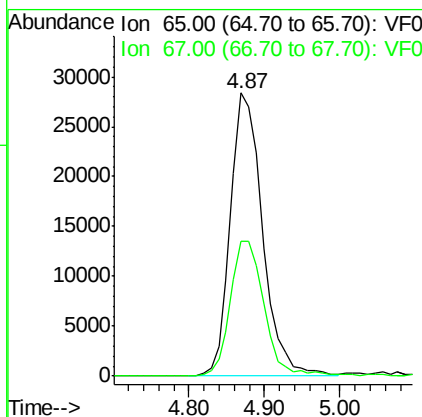
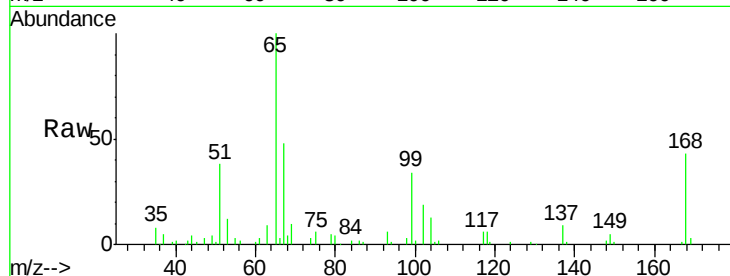
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.04 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

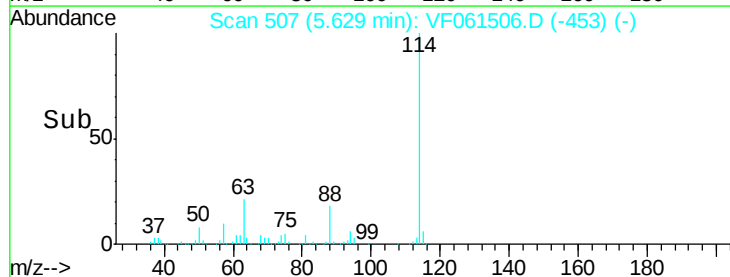
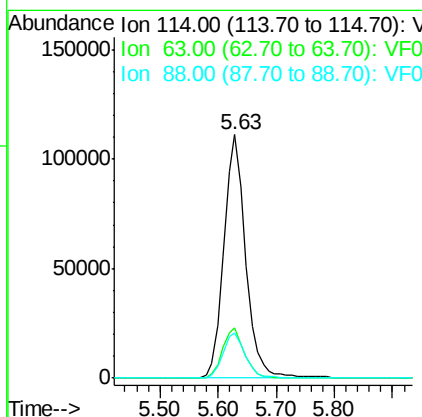
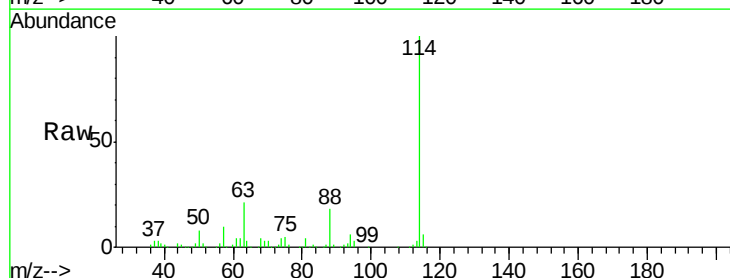
Tgt Ion: 114 Resp: 288363

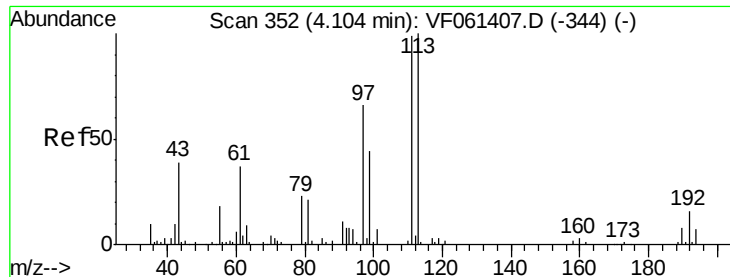
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 18.5 0.0 37.4





#35

Dibromofluoromethane

Concen: 42.546 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.04 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

Instrument :

MSVOA_F

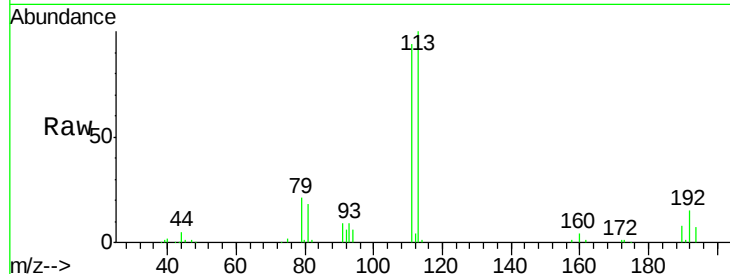
ClientSampleId :

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Tot Ion:	113	Resp:	96810
Ion	Ratio	Lower	Upper
113	100		
111	93.7	79.4	119.0
192	15.4	12.4	18.6

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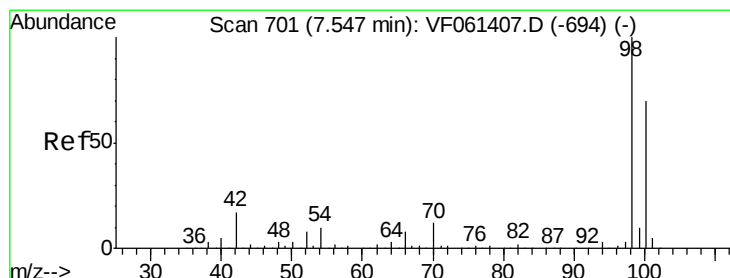
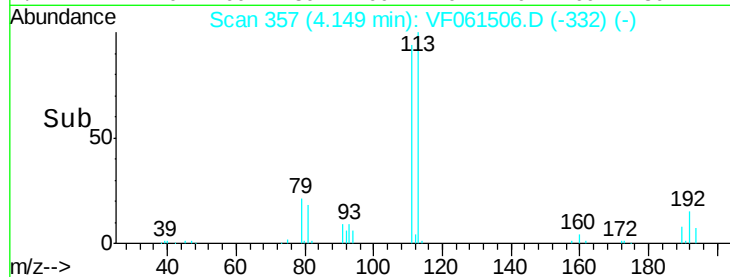
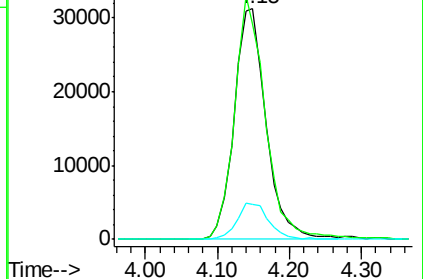
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 31.589 ug/l

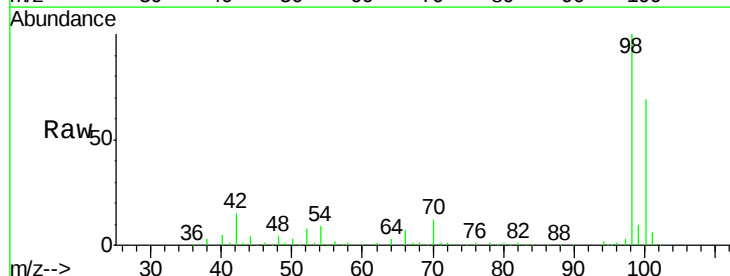
RT: 7.58 min Scan# 705

Delta R.T. 0.04 min

Lab File: VF061506.D

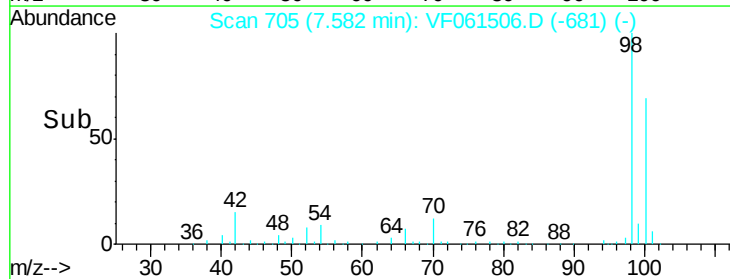
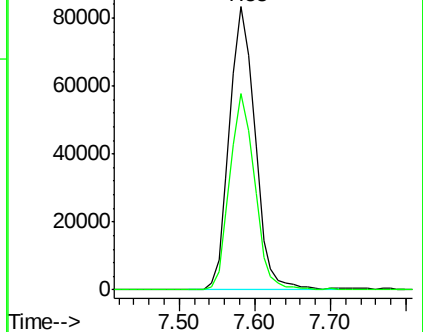
Acq: 24 Jan 2019 18:04

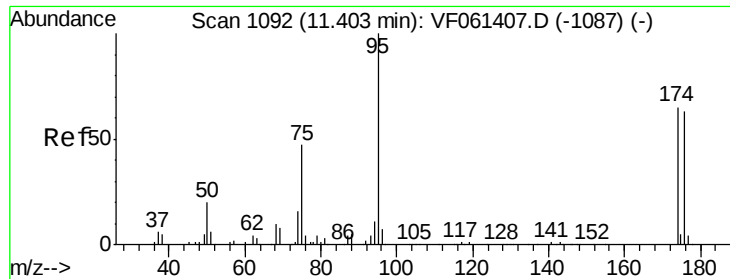
Tgt Ion:	98	Resp:	196933
Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.6	83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 16.970 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

Instrument :

MSVOA_F

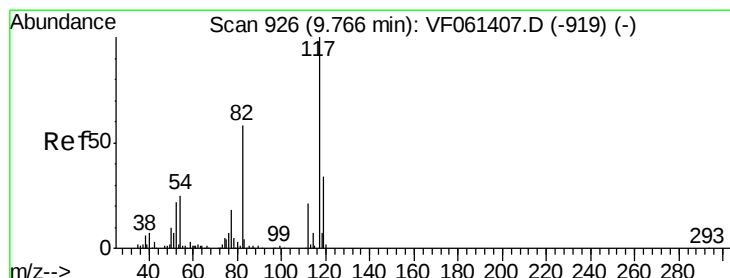
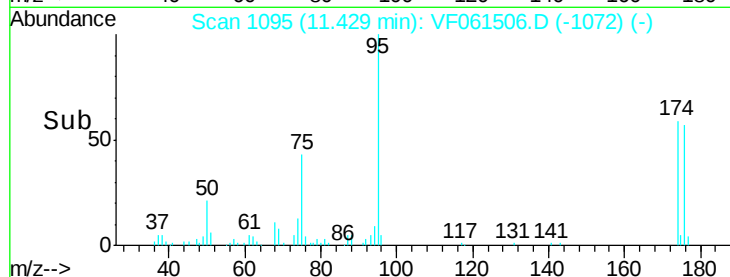
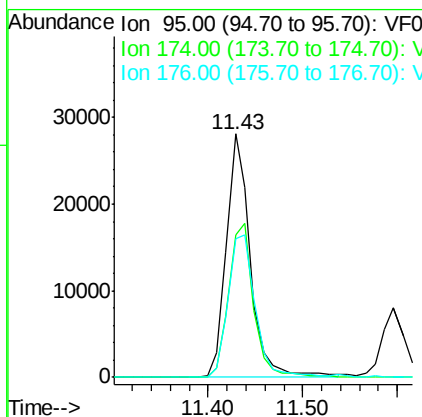
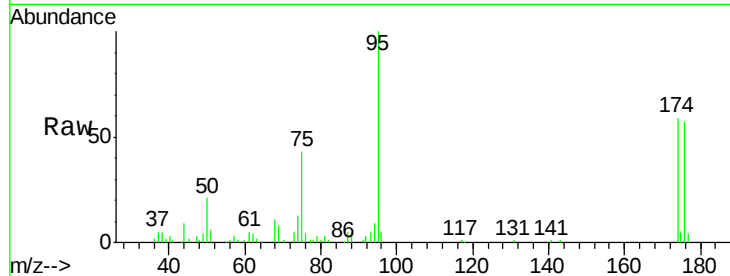
ClientSampled :

TS-ORE

Tot Ion:	95	Resp:	49431
Ion Ratio	Lower	Upper	
95	100		
174	58.7	0.0	130.4
176	57.0	0.0	126.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

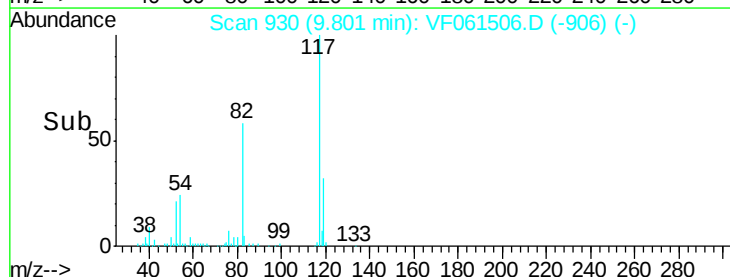
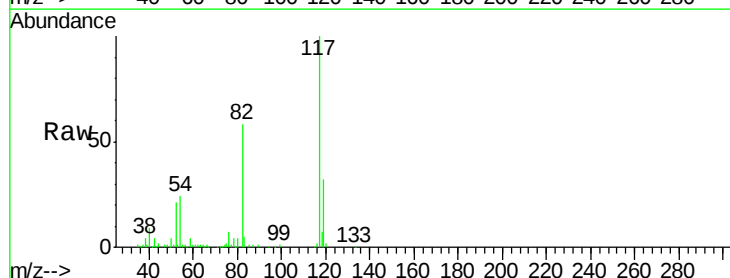
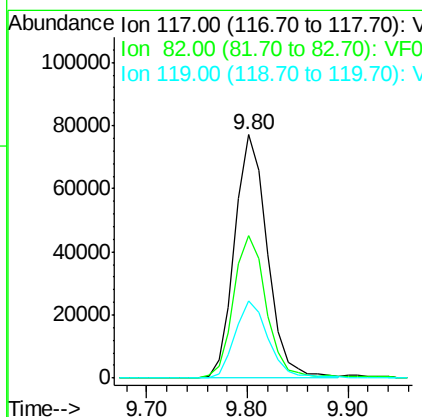
RT: 9.80 min Scan# 930

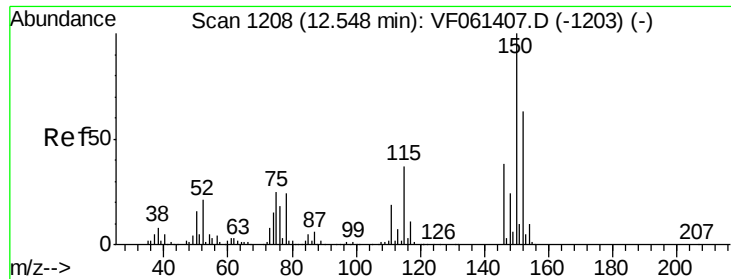
Delta R.T. 0.04 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

Tgt Ion:	117	Resp:	174357
Ion Ratio	Lower	Upper	
117	100		
82	58.4	46.4	69.6
119	31.9	27.2	40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.03 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

Instrument :

MSVOA_F

ClientSampled :

TS-ORE

Tot Ion:152 Resp: 41031

Ion Ratio Lower Upper

152 100

115 52.5 30.0 90.0

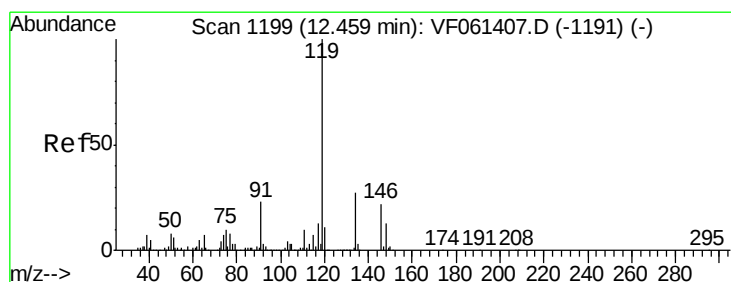
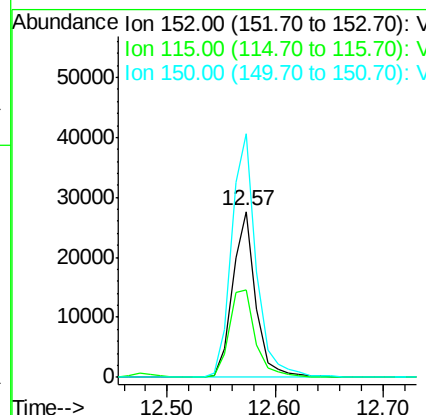
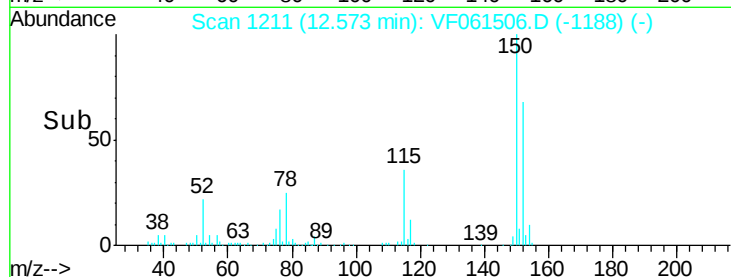
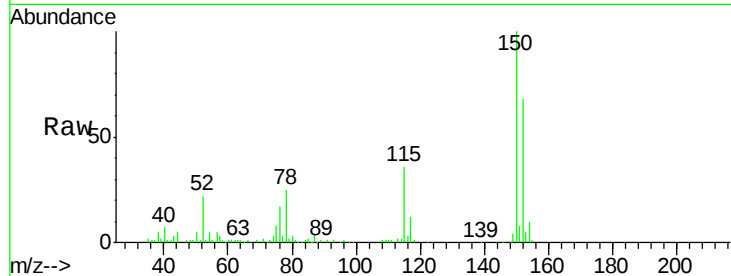
150 147.0 0.0 321.4

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#86

p-Isopropyltoluene

Concen: 4.237 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061506.D

Acq: 24 Jan 2019 18:04

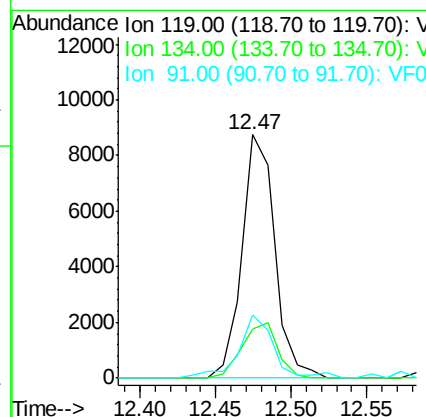
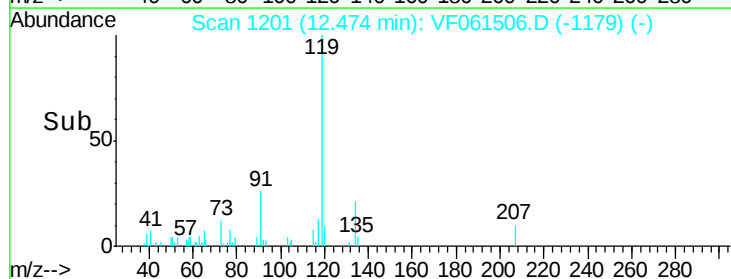
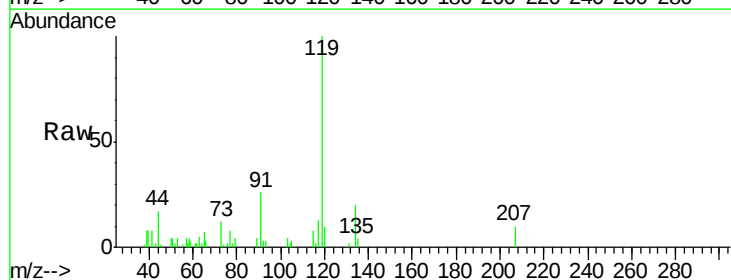
Tgt Ion:119 Resp: 13165

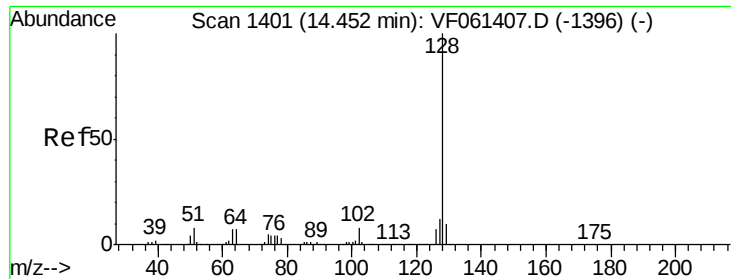
Ion Ratio Lower Upper

119 100

134 20.4 13.4 40.2

91 25.9 11.4 34.2





#95
Naphthalene
Concen: 2.208 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061506.D
Acq: 24 Jan 2019 18:04

Instrument :
MSVOA_F
ClientSampleId :
TS-ORE

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.5	14.3
129	13.2	8.4	12.6

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