

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061307.D
 Acq On : 9 Jan 2019 18:06
 Operator : VA/AP
 Sample : K1082-30
 Misc : 5.63q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-4

Manual Integrations
 APPROVED

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 1/10/2019 2:03:05 PM

Quant Time: Jan 10 15:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	223801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	413480	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	369727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	185132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	145260	58.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.62%	
35) Dibromofluoromethane	4.13	113	169391	53.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.08%	
50) Toluene-d8	7.57	98	440953	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.42	95	201732	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
Target Compounds						
20) Methylene Chloride	2.19	84	14807m	6.040	ug/l	Qvalue
40) Benzene	4.66	78	13069	1.159	ug/l	91
52) Toluene	7.65	92	87587	12.088	ug/l	99

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

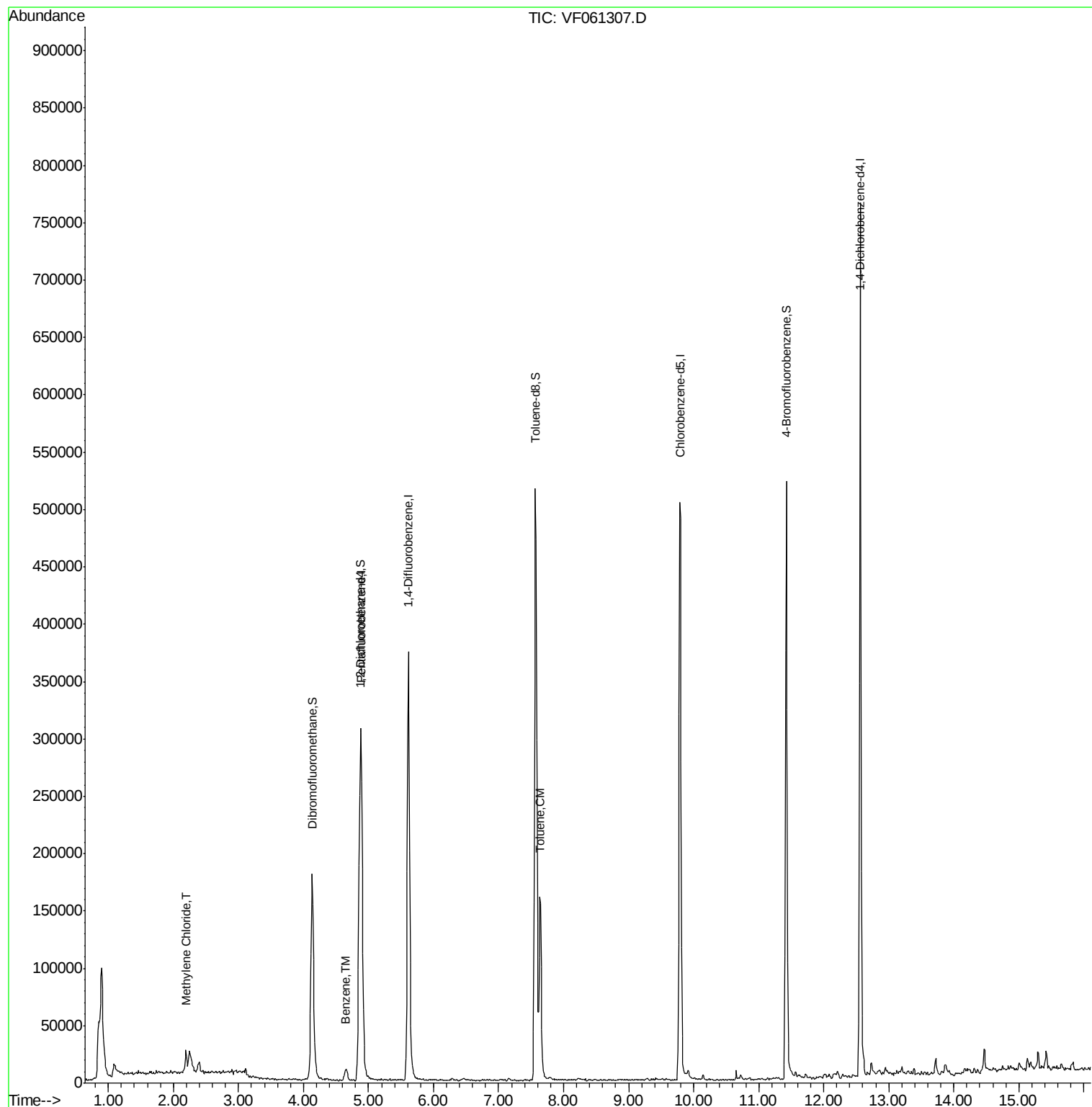
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010919\
Data File : VF061307.D
Acq On : 9 Jan 2019 18:06
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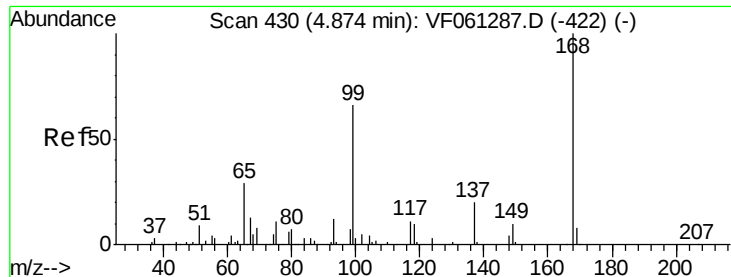
Instrument :
MSVOA_F
ClientSampleId :
SP-1-4

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

SP-1-4

Tot Ion:168 Resp: 223801

Ion Ratio Lower Upper

168 100

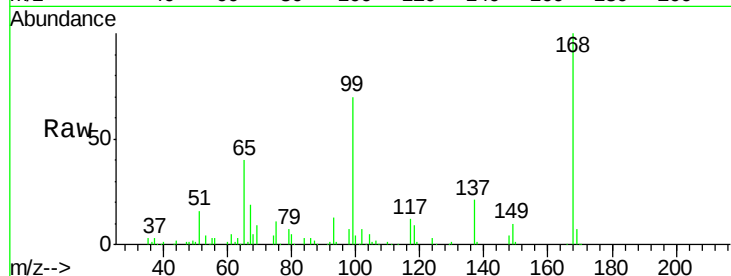
99 69.6 52.7 79.1

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

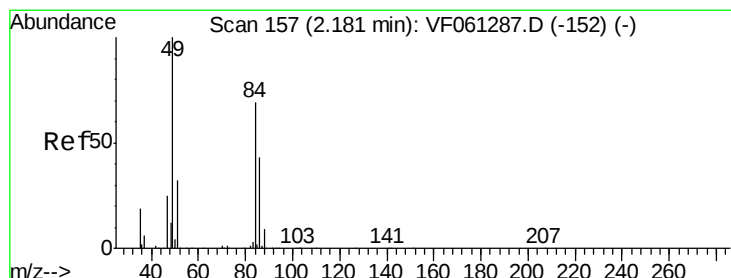
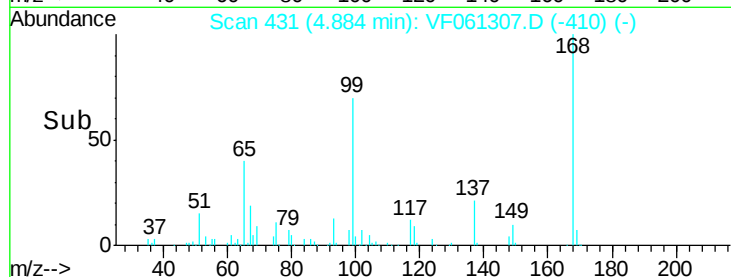
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 6.040 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Tgt Ion: 84 Resp: 14807

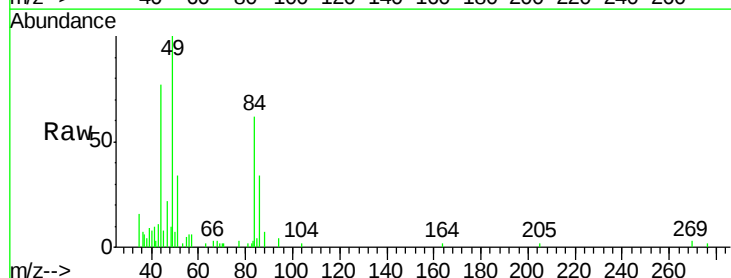
Ion Ratio Lower Upper

84 100

49 161.3 116.6 175.0

51 54.8 37.7 56.5

86 54.6 49.8 74.8



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2.19

8000

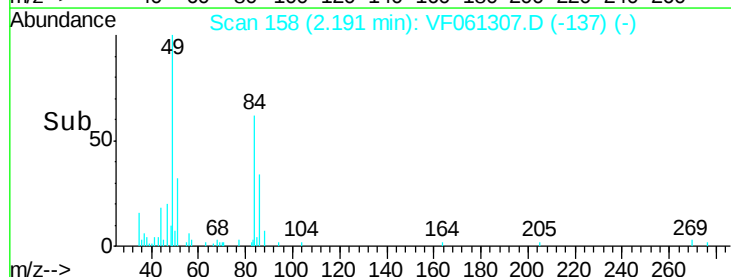
6000

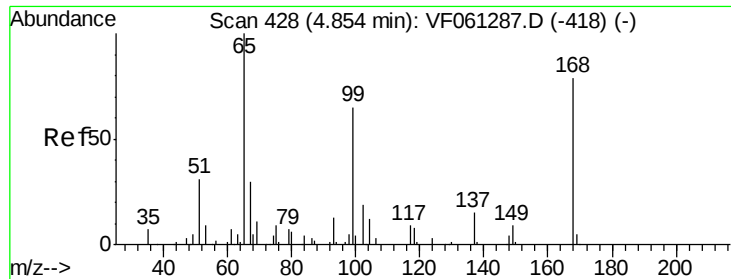
4000

2000

0

Time--> 2.10 2.20 2.30





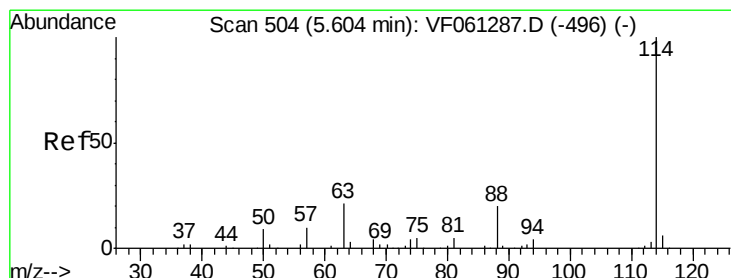
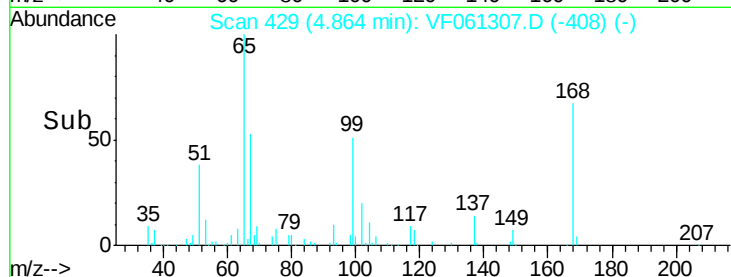
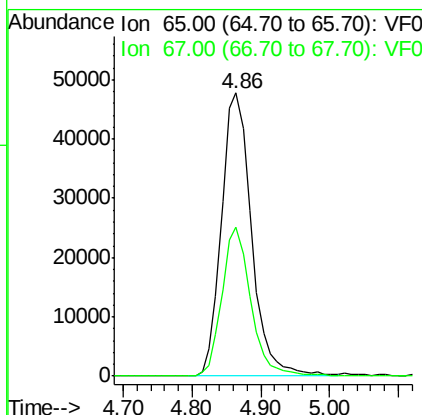
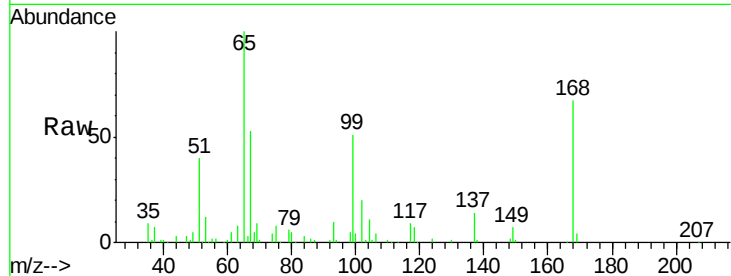
#33
 1,2-Dichloroethane-d4
 Concen: 58.313 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF061307.D
 Acq: 9 Jan 2019 18:06

Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-4

Tot Ion: 65 Resp: 145260
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 98.2

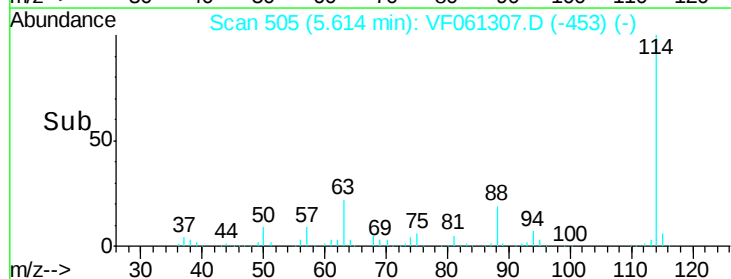
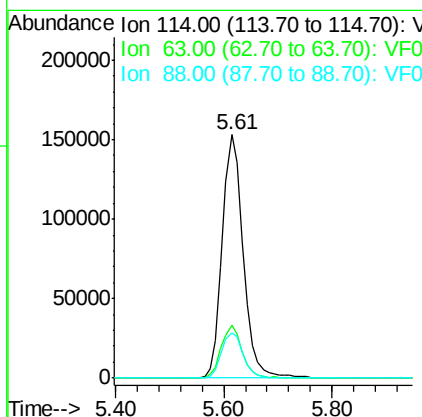
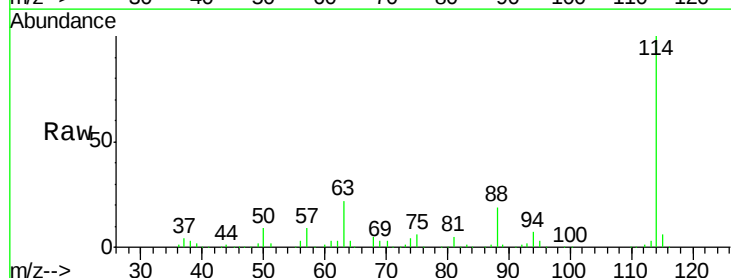
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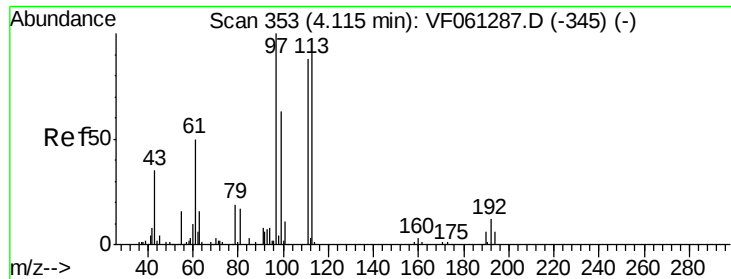
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF061307.D
 Acq: 9 Jan 2019 18:06

Tgt Ion: 114 Resp: 413480
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 18.7 0.0 40.0





#35

Dibromofluoromethane

Concen: 53.540 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Instrument :

MSVOA_F

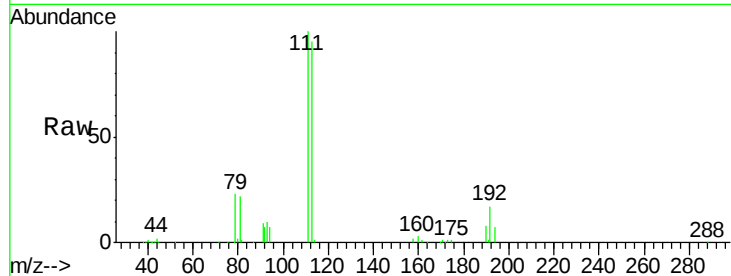
ClientSampleId :

SP-1-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	78.0	117.0
192	17.6	10.6	16.0

Manual Integrations
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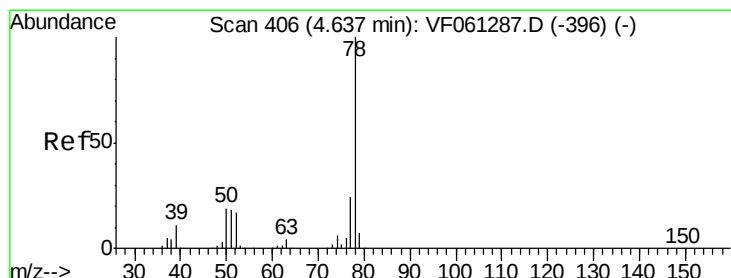
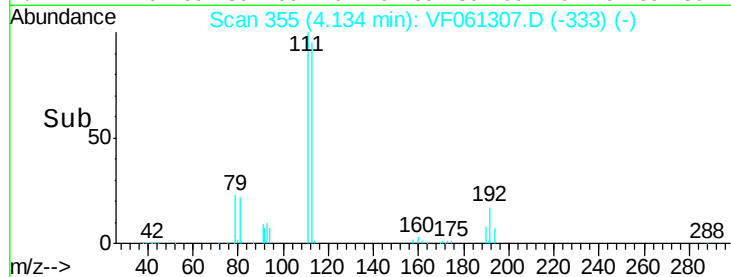
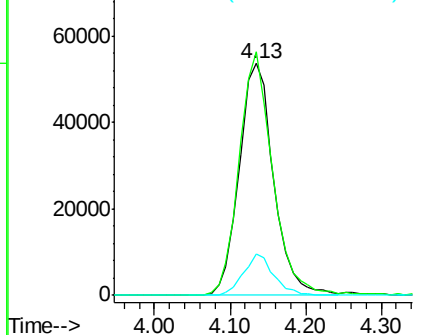
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#40

Benzene

Concen: 1.159 ug/l

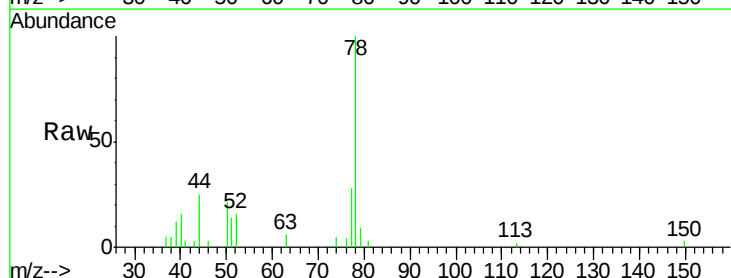
RT: 4.66 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF061307.D

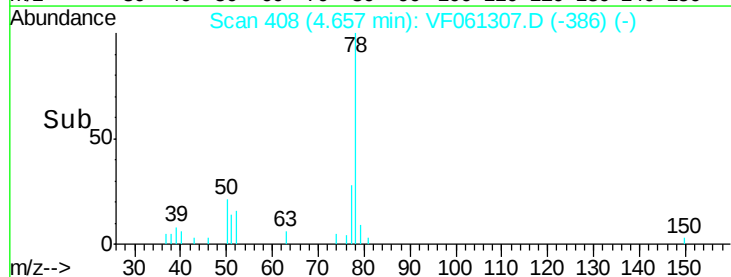
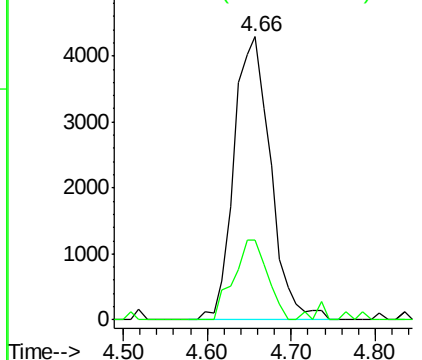
Acq: 9 Jan 2019 18:06

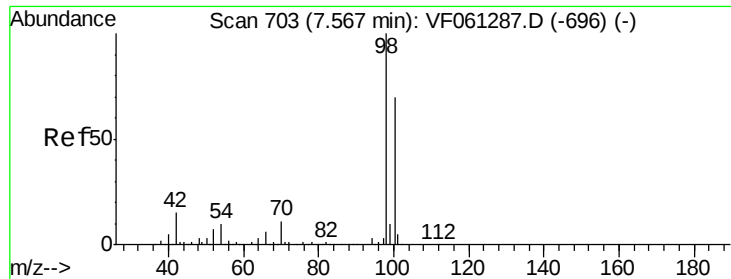
Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.3	19.1	28.7



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#50

Toluene-d8

Concen: 47.098 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

SP-1-4

Tot Ion: 98 Resp: 440953

Ion Ratio Lower Upper

98 100

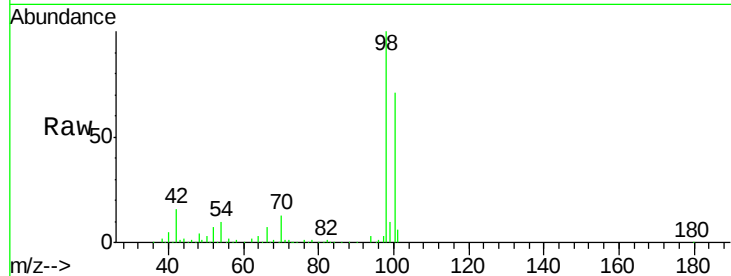
100 71.1 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.57

200000

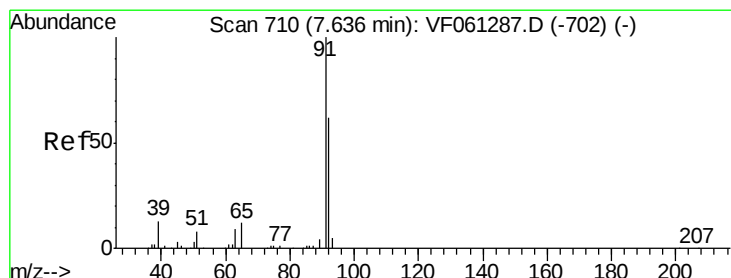
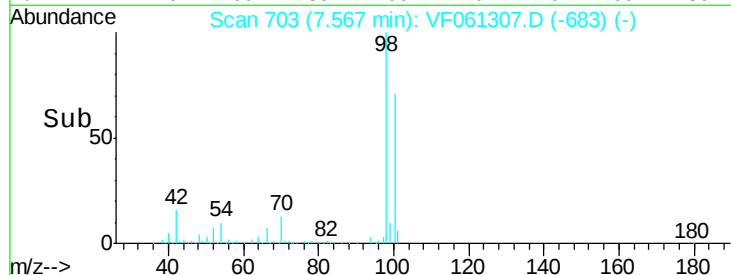
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 12.088 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061307.D

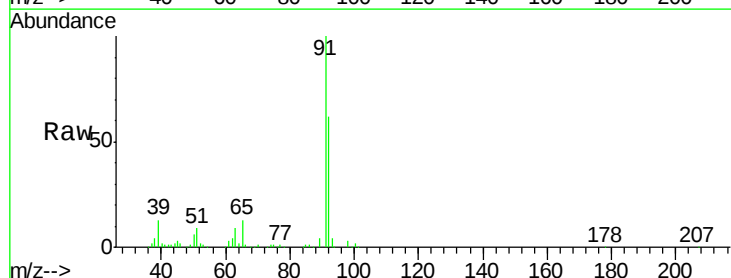
Acq: 9 Jan 2019 18:06

Tgt Ion: 92 Resp: 87587

Ion Ratio Lower Upper

92 100

91 160.1 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

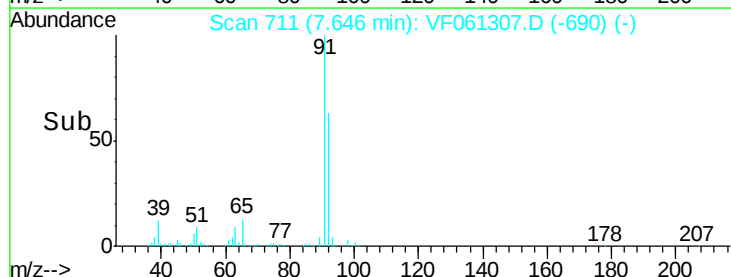
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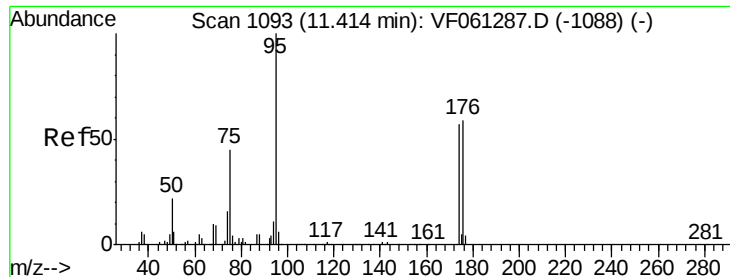
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.345 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Instrument :

MSVOA_F

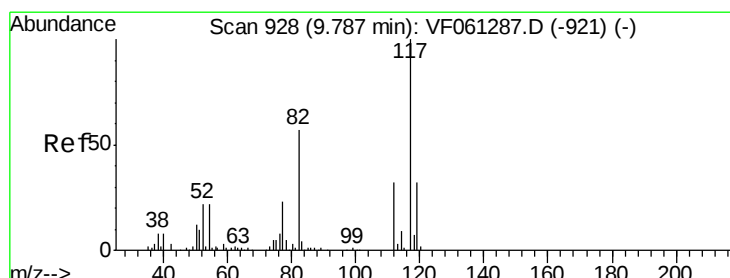
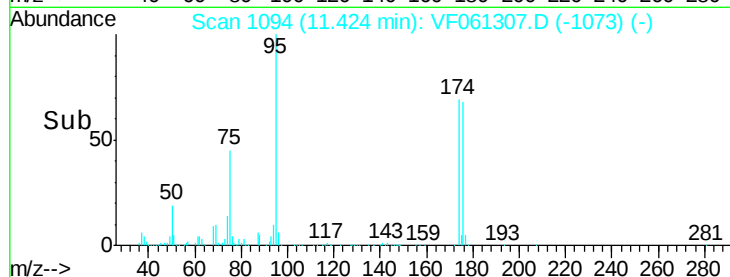
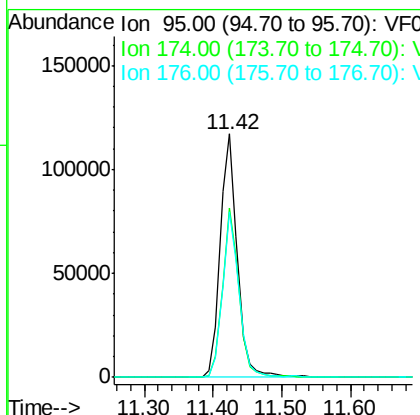
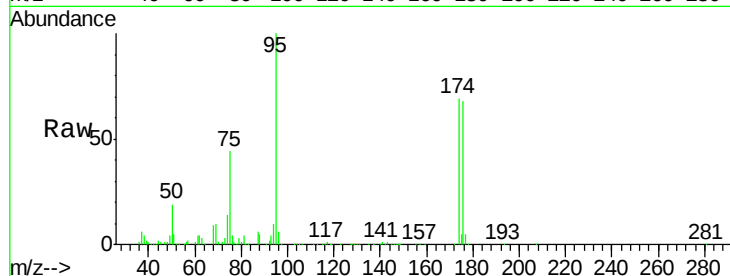
ClientSampleId :

SP-1-4

Tot Ion:	95	Resp:	201732
Ion Ratio	Lower	Upper	
95	100		
174	69.4	0.0	114.2
176	67.7	0.0	117.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

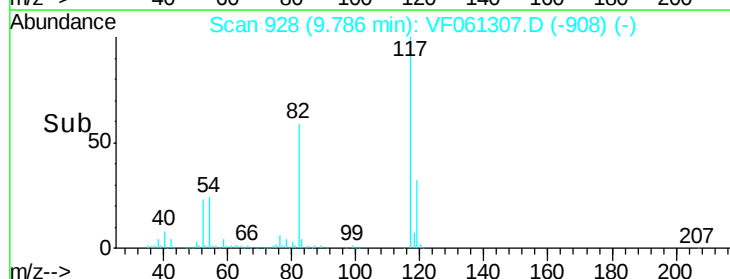
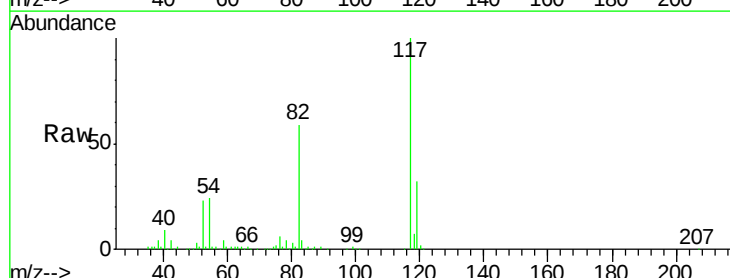
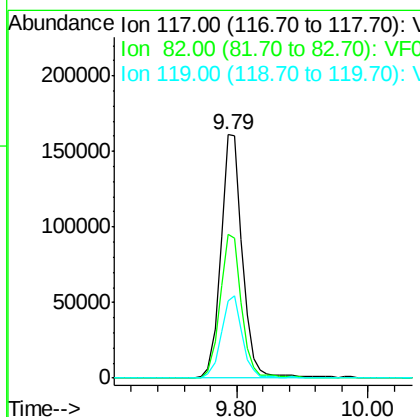
RT: 9.79 min Scan# 928

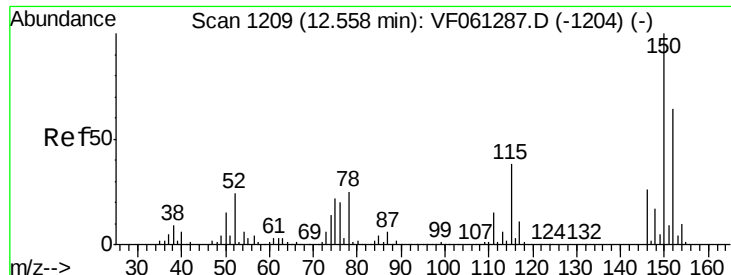
Delta R.T. -0.00 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Tgt Ion:	117	Resp:	369727
Ion Ratio	Lower	Upper	
117	100		
82	58.8	45.3	67.9
119	31.7	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061307.D

Acq: 9 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

SP-1-4

Tot Ion:	152	Resp:	185132
Ion Ratio		Lower	Upper
152	100		
115	65.1	29.6	88.9
150	153.5	0.0	315.4

Manual Integrations
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