

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061806.D
 Acq On : 1 Mar 2019 16:53
 Operator : VA/AP
 Sample : K1675-01
 Misc : 4.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-11-A

Manual Integrations
 APPROVED

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 3/4/2019 4:01:06 PM

Quant Time: Mar 02 03:14:59 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	4.86	168	289733	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	449428	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	360593	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	188902	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	103158	48.55	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.10%	
35) Dibromofluoromethane	4.10	113	160860	48.20	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.40%	
50) Toluene-d8	7.54	98	412977	43.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.39	95	171430	44.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.32%	
Target Compounds						
20) Methylene Chloride	2.17	84	27430m	9.171	ug/l	
84) 1,2,4-Trimethylbenzene	12.19	105	13891	1.301	ug/l	98
95) Naphthalene	14.44	128	16663	2.157	ug/l	97

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

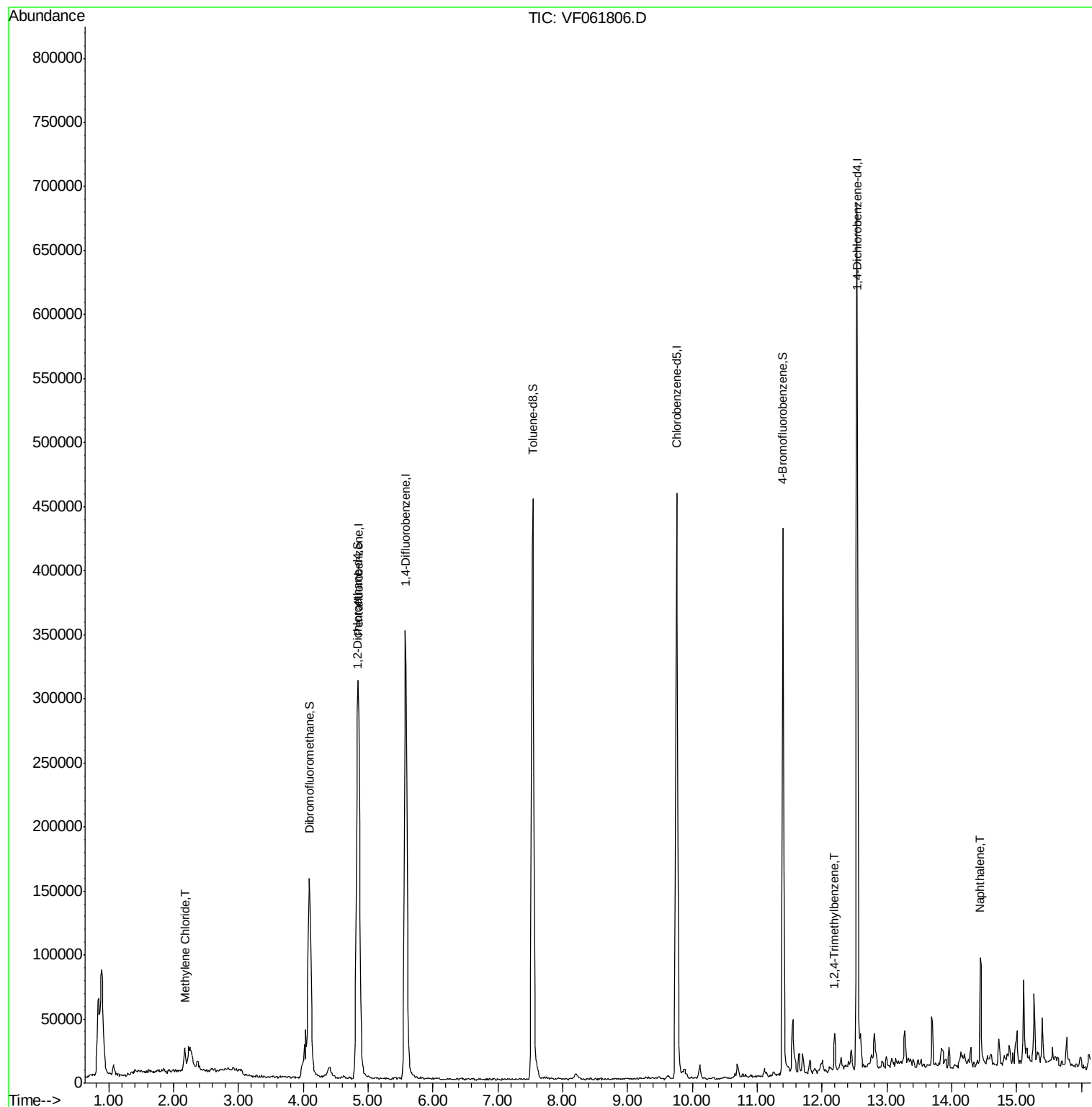
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
Data File : VF061806.D
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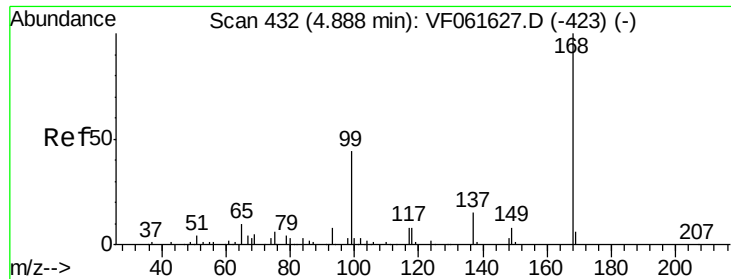
Instrument :
MSVOA_F
ClientSampleId :
Z-3-11-A

Manual Integrations
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Quant Time: Mar 02 03:14:59 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: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

Tot Ion:168 Resp: 289733

Ion Ratio Lower Upper

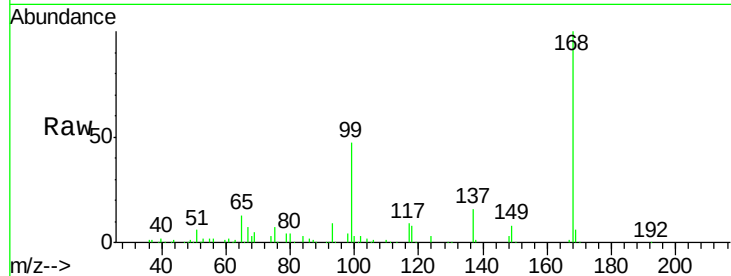
168 100

99 47.2 34.9 52.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

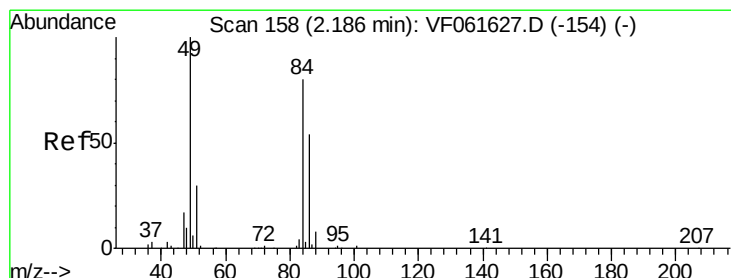
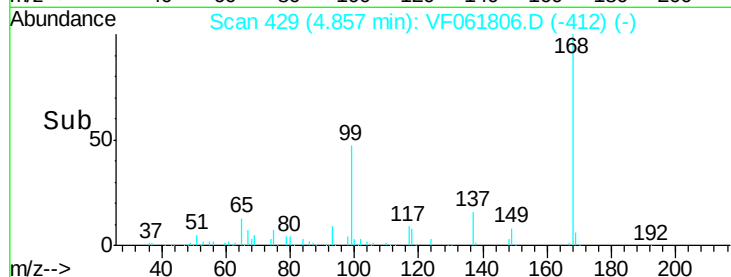
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 9.171 ug/l m

RT: 2.17 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Tgt Ion: 84 Resp: 27430

Ion Ratio Lower Upper

84 100

49 121.2 101.8 152.8

51 34.8 31.1 46.7

86 63.5 54.4 81.6

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

8000

6000

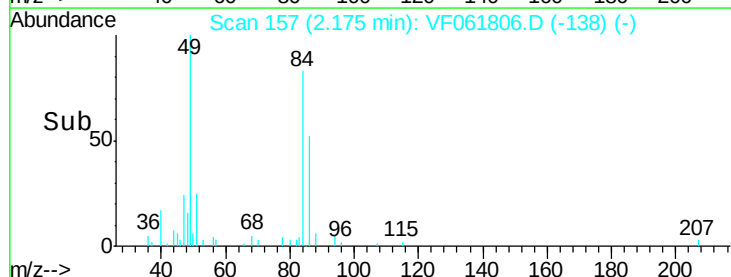
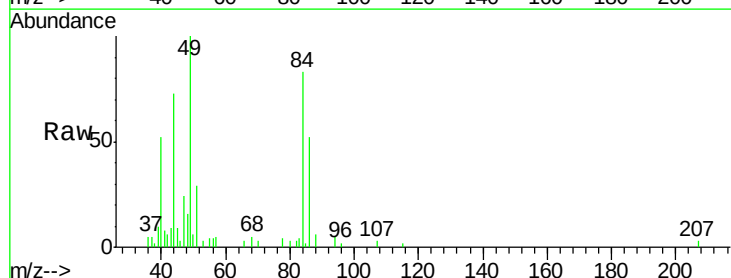
4000

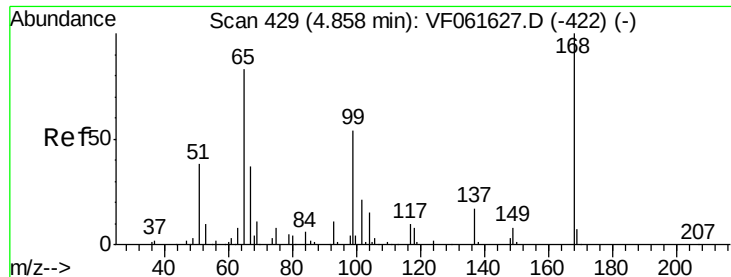
2000

0

2.10 2.20 2.30 2.40

Time-->





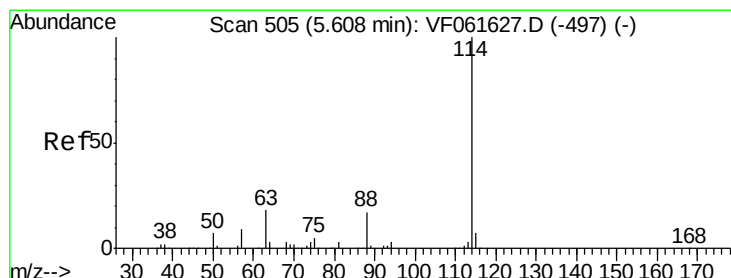
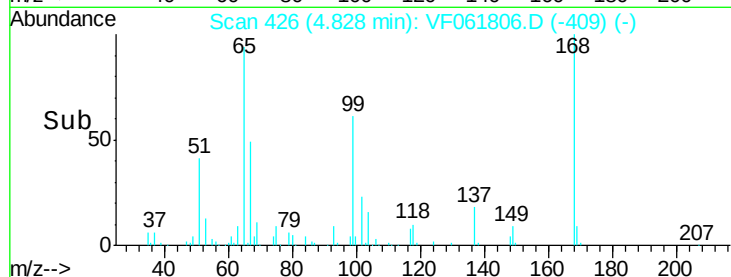
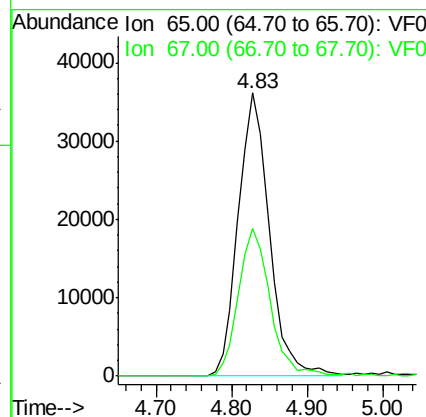
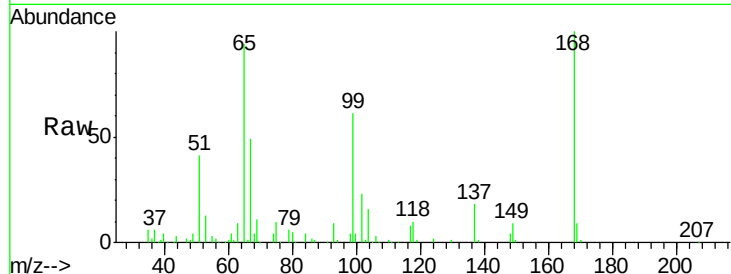
#33
 1,2-Dichloroethane-d4
 Concen: 48.553 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061806.D
 Acq: 1 Mar 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-11-A

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103158		
67	52.0	0.0	104.0	

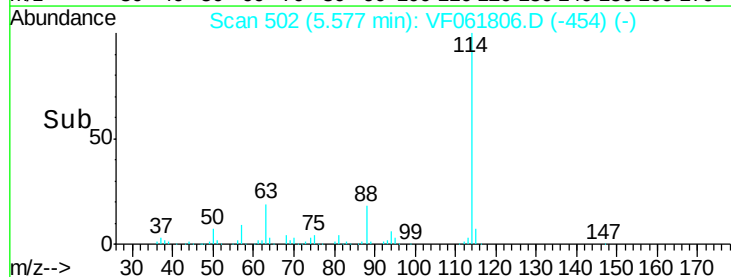
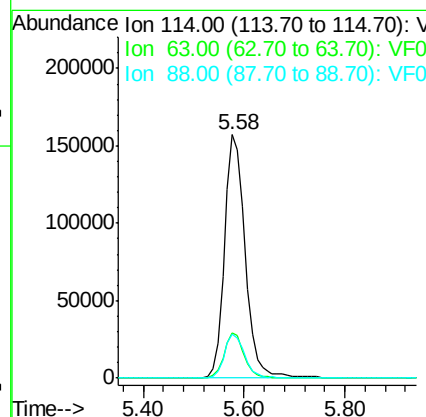
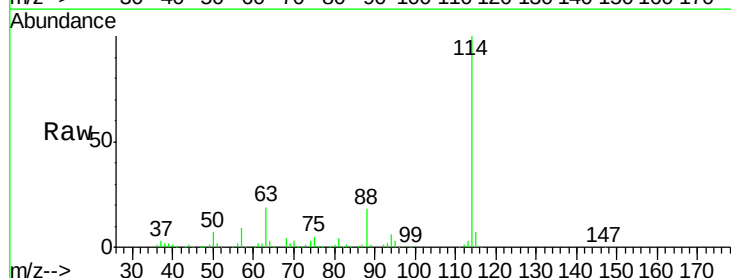
Manual Integrations
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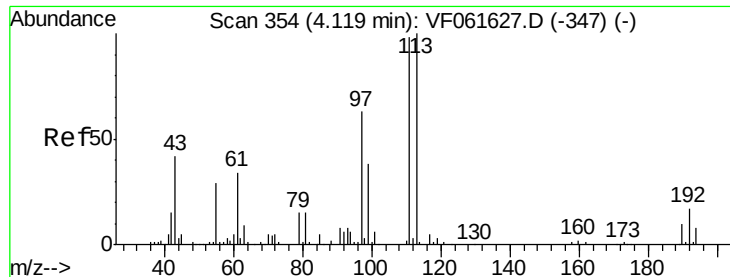
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061806.D
 Acq: 1 Mar 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449428		
63	18.5	0.0	36.6	
88	18.1	0.0	34.4	





#35

Dibromofluoromethane

Concen: 48.198 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

Z-3-11-A

Tot Ion: 113 Resp: 160860

Ion Ratio Lower Upper

113 100

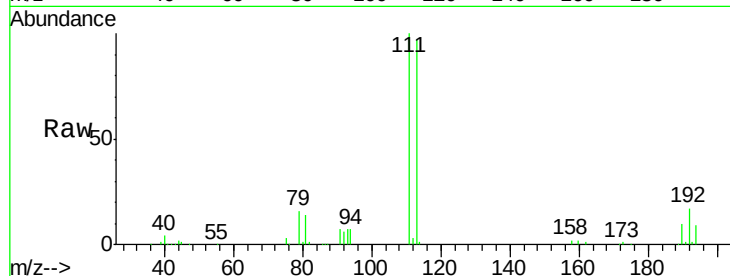
111 102.7 78.8 118.2

192 17.2 13.4 20.0

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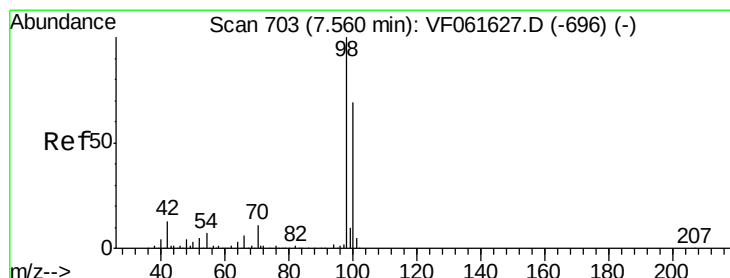
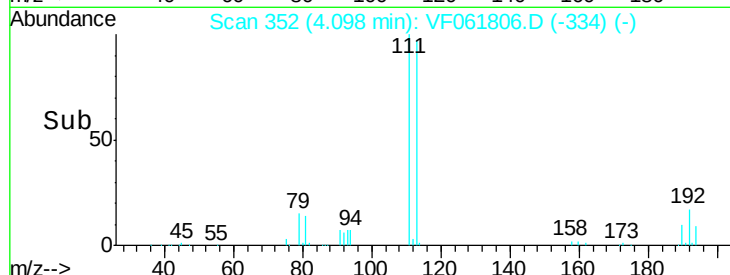
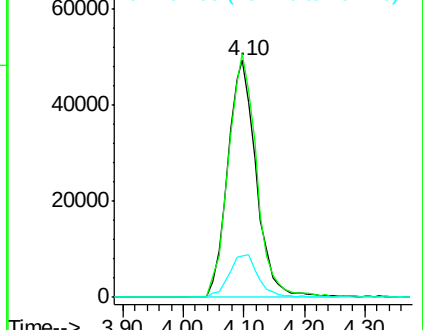
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 43.044 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061806.D

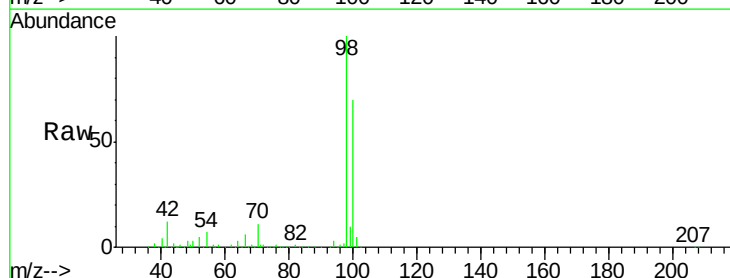
Acq: 1 Mar 2019 16:53

Tgt Ion: 98 Resp: 412977

Ion Ratio Lower Upper

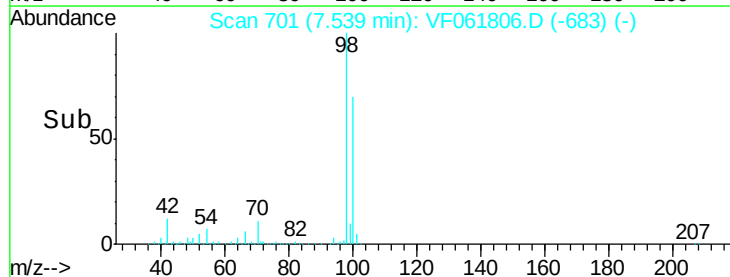
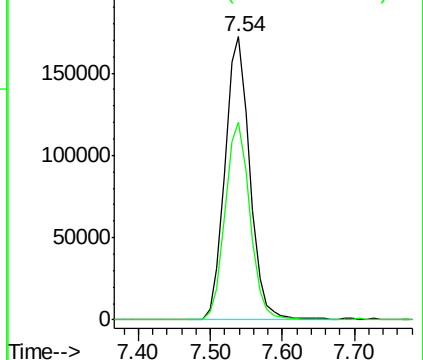
98 100

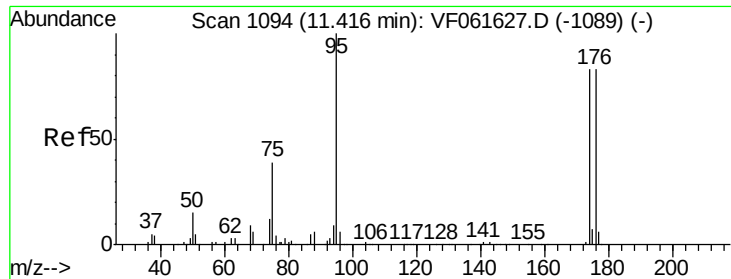
100 70.0 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 44.160 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

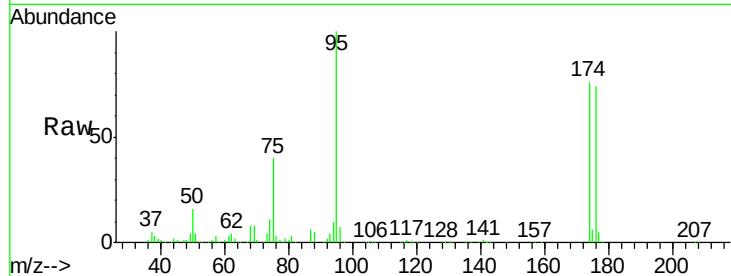
ClientSampleId :

Z-3-11-A

Tot Ion:	95	Resp:	171430
Ion Ratio	Lower	Upper	
95	100		
174	75.9	0.0	165.8
176	73.7	0.0	167.0

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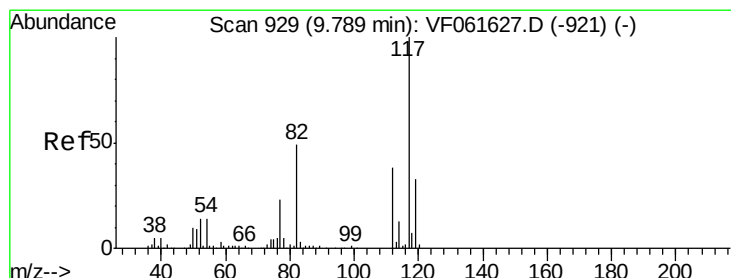
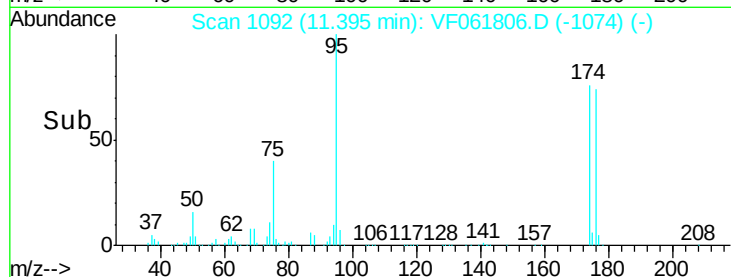
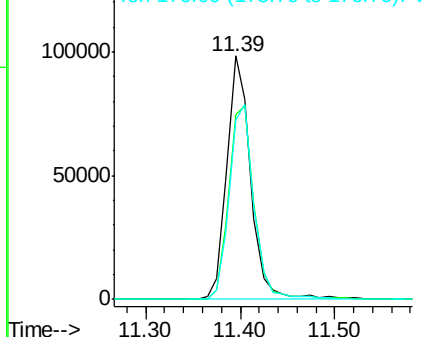
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Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

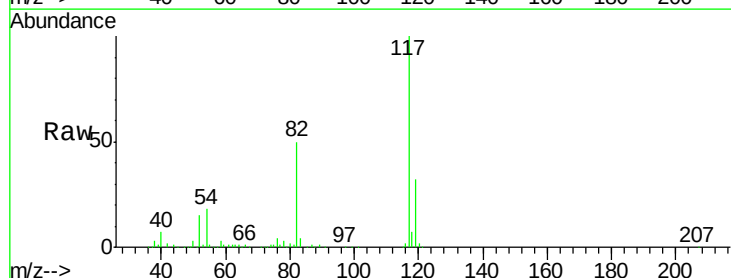
RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

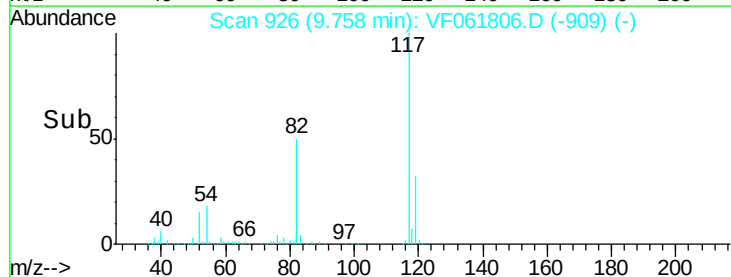
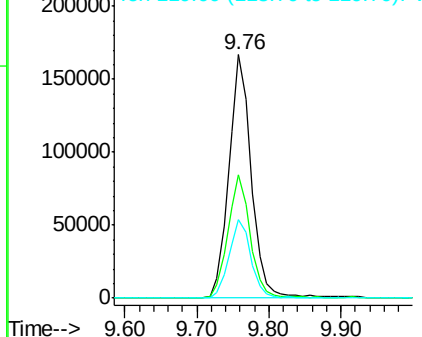
Tgt Ion:	117	Resp:	360593
Ion Ratio	Lower	Upper	
117	100		
82	50.5	39.3	58.9
119	32.0	26.6	40.0

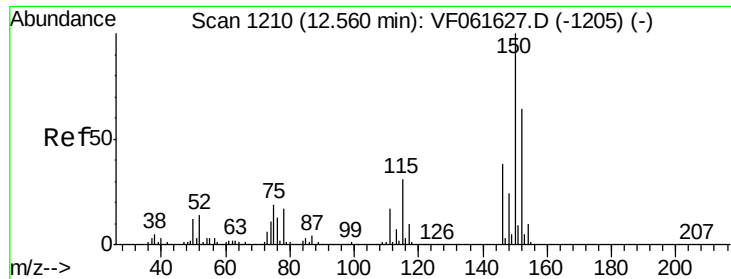


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Instrument :

MSVOA_F

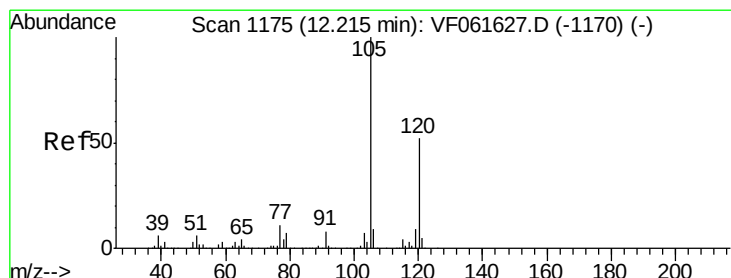
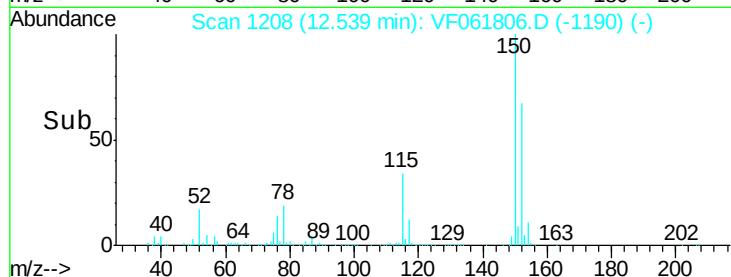
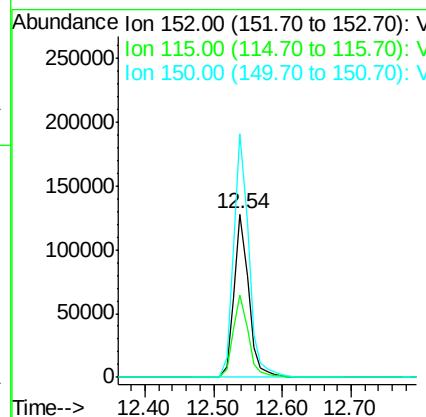
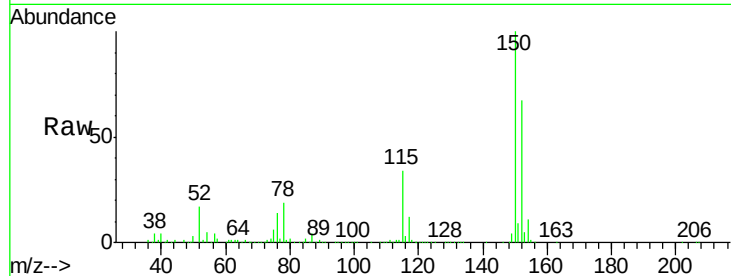
ClientSampled :

Z-3-11-A

Tot Ion:	152	Resp:	188902
Ion Ratio	Lower	Upper	
152	100		
115	50.9	24.3	72.8
150	149.3	0.0	312.0

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#84

1,2,4-Trimethylbenzene

Concen: 1.301 ug/l

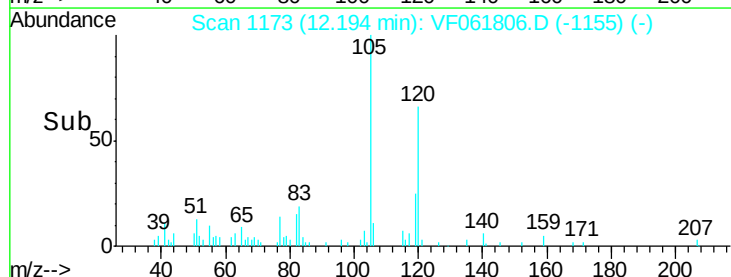
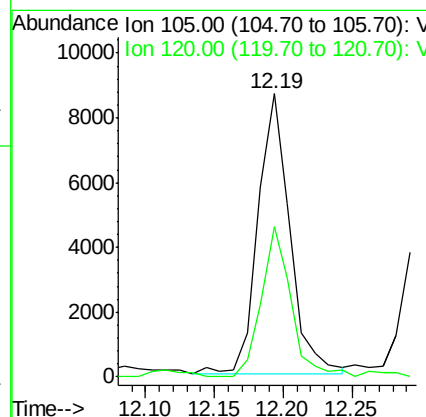
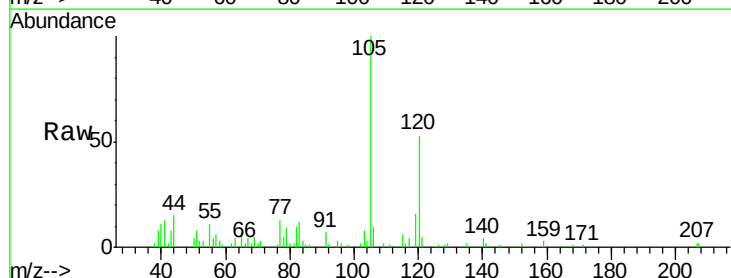
RT: 12.19 min Scan# 1173

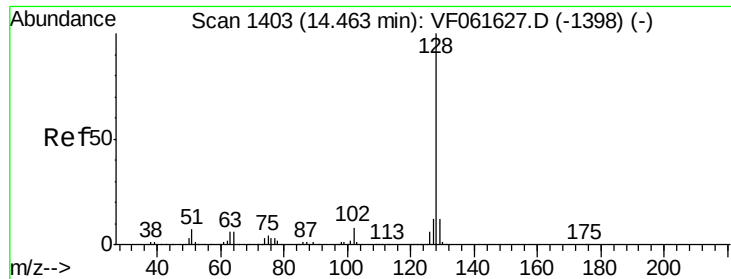
Delta R.T. -0.02 min

Lab File: VF061806.D

Acq: 1 Mar 2019 16:53

Tgt Ion:	105	Resp:	13891
Ion Ratio	Lower	Upper	
105	100		
120	53.3	26.1	78.3





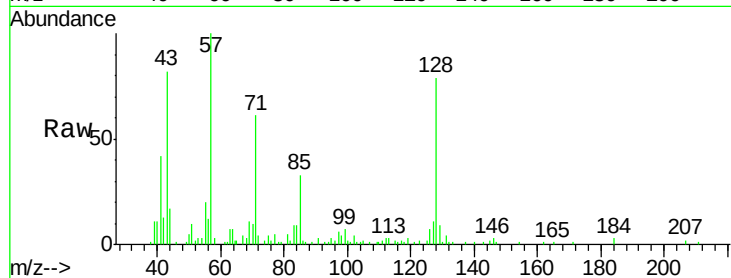
#95
Naphthalene
Concen: 2.157 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061806.D
Acq: 1 Mar 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
Z-3-11-A

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	14.2	9.8	14.6
129	12.0	9.4	14.2

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

