

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061963.D
 Acq On : 15 Mar 2019 16:12
 Operator : VA/AP
 Sample : K1928-06
 Misc : 6.50u/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A1-2-H1(2.5-3)

Manual Integrations
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MMDadoda
 3/17/2019 5:22:26 AM

Quant Time: Mar 16 00:08:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	225021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	369460	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	326477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	178538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	98855	60.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.66%	
35) Dibromofluoromethane	4.13	113	134933	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
50) Toluene-d8	7.57	98	371233	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.42	95	161031	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
Target Compounds						
31) Cyclohexane	3.76	56	321881m	93.228	ug/l	
39) Methylcyclohexane	5.47	83	276563	67.092	ug/l	99
40) Benzene	4.65	78	144929	15.887	ug/l	98
52) Toluene	7.64	92	11474	2.126	ug/l	85
67) Ethyl Benzene	9.91	91	17185	1.653	ug/l	93
68) m/p-Xylenes	10.14	106	8416	2.113	ug/l #	70

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

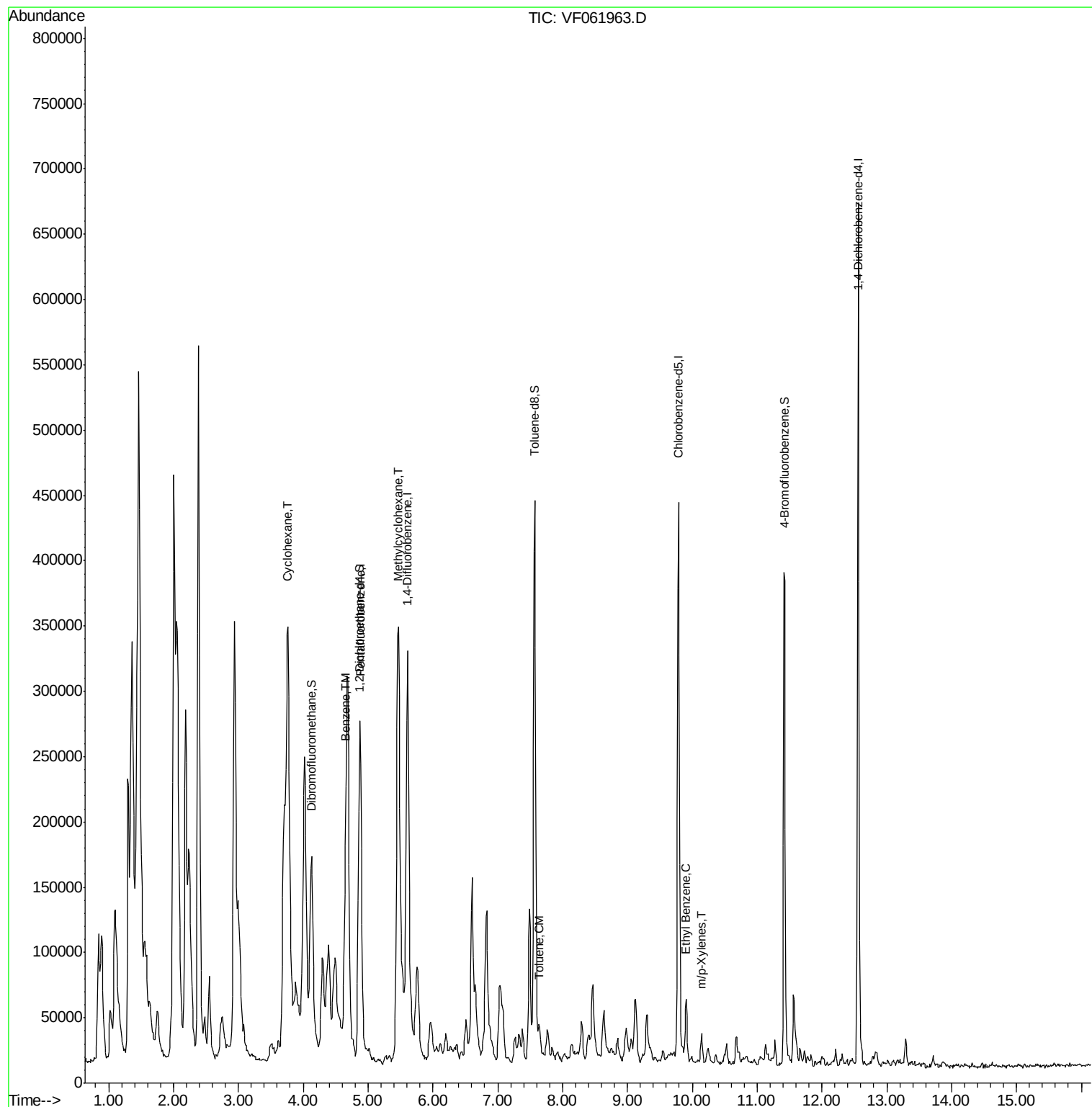
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061963.D
Acq On : 15 Mar 2019 16:12
Operator : VA/AP
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Misc : 6.50q/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

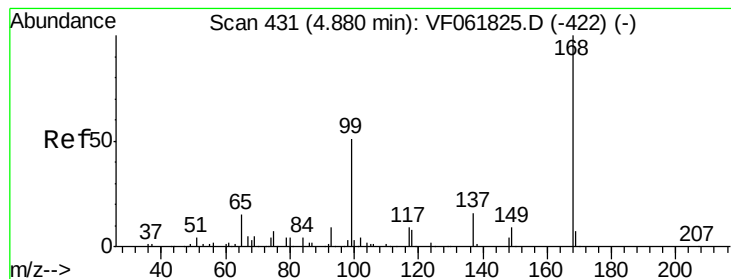
Instrument :
MSVOA_F
ClientSampleId :
A1-2-H1(2.5-3)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF061963.D

Acq: 15 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

A1-2-H1(2.5-3)

Tot Ion:168 Resp: 225021

Ion Ratio Lower Upper

168 100

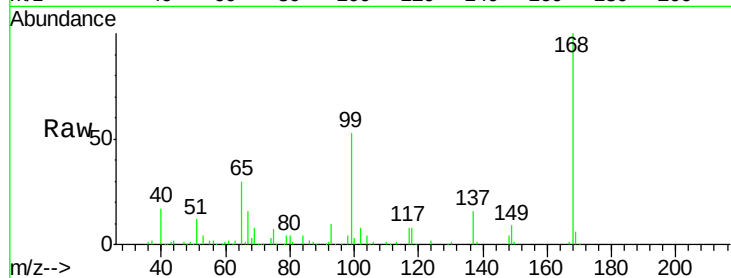
99 52.5 40.8 61.2

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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

80000

60000

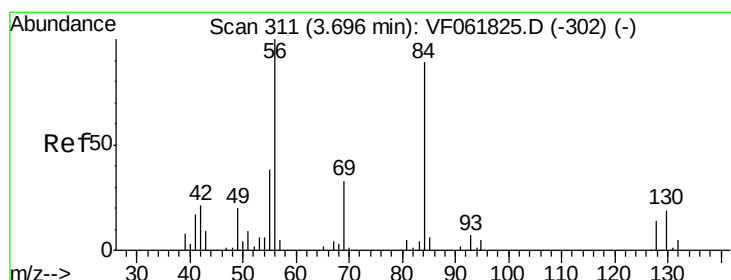
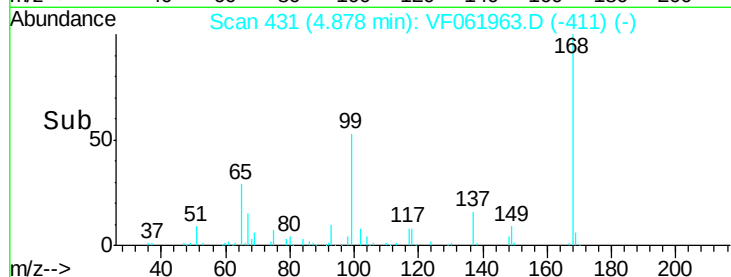
40000

20000

0

4.80 4.90 5.00 5.10

Time-->



#31

Cyclohexane

Concen: 93.228 ug/l m

RT: 3.76 min Scan# 318

Delta R.T. 0.07 min

Lab File: VF061963.D

Acq: 15 Mar 2019 16:12

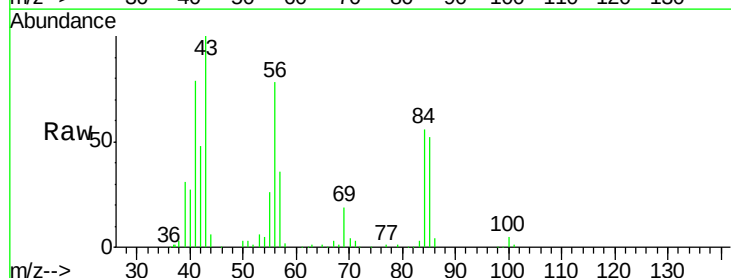
Tgt Ion: 56 Resp: 321881

Ion Ratio Lower Upper

56 100

69 24.0 26.0 39.0#

84 70.8 71.0 106.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

60000

50000

40000

30000

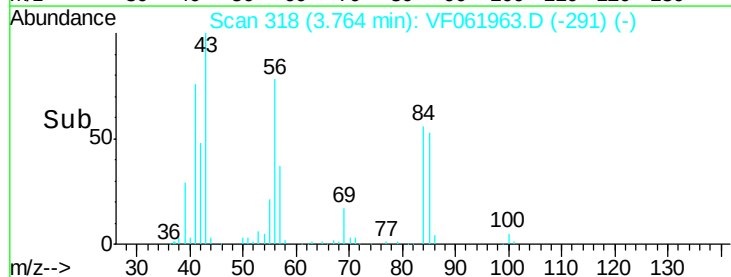
20000

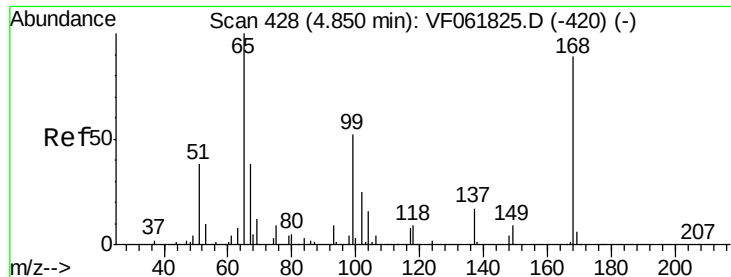
10000

0

3.60 3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 60.325 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061963.D

Acq: 15 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

A1-2-H1(2.5-3)

Tot Ion: 65 Resp: 98855

Ion Ratio Lower Upper

65 100

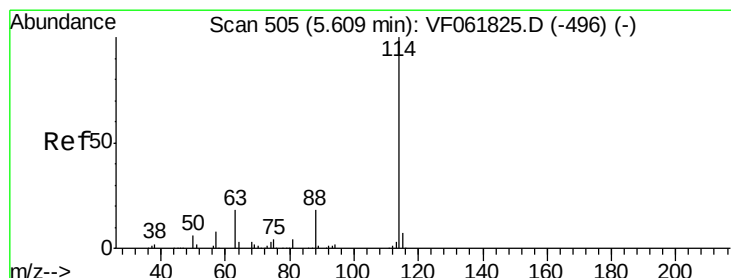
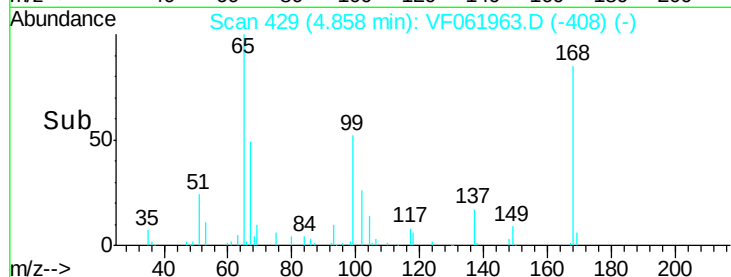
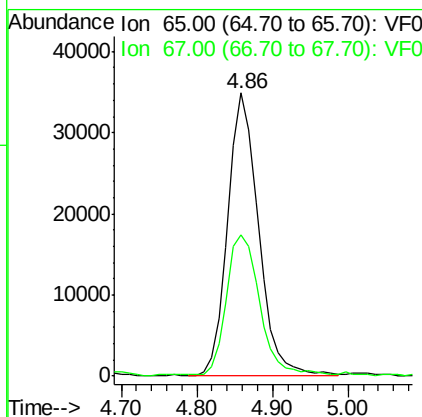
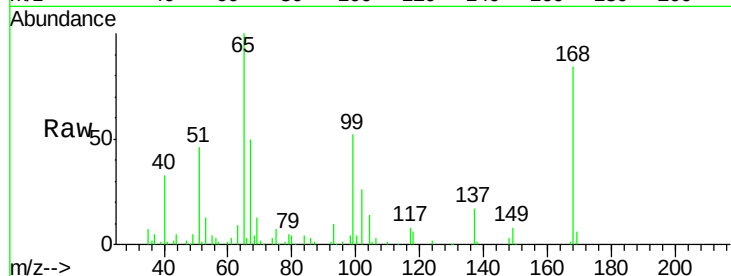
67 49.7 0.0 108.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.00 min

Lab File: VF061963.D

Acq: 15 Mar 2019 16:12

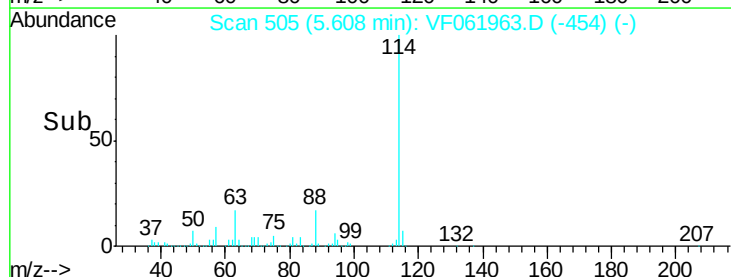
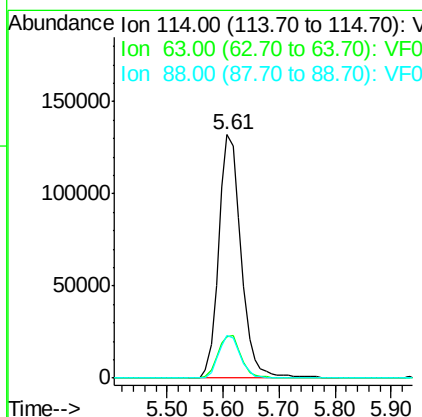
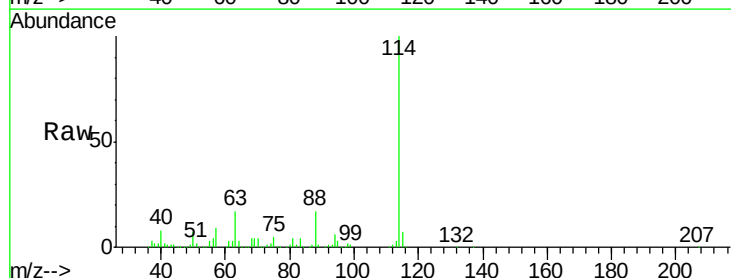
Tgt Ion: 114 Resp: 369460

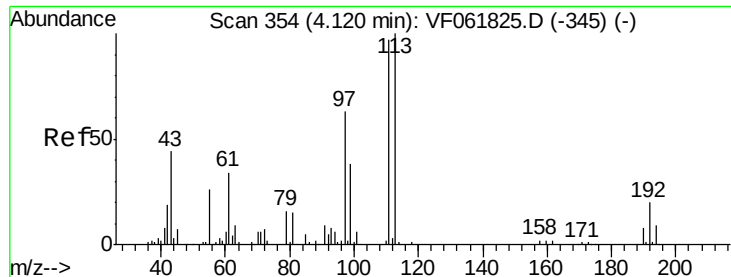
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.6

88 17.4 0.0 35.6





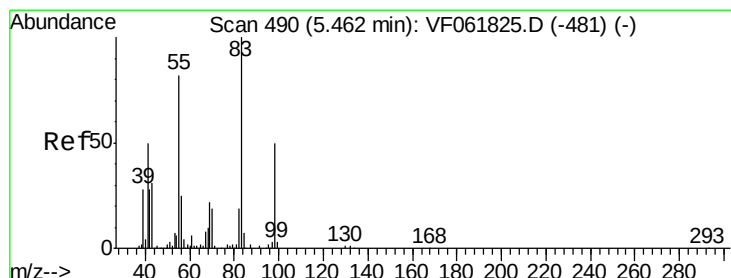
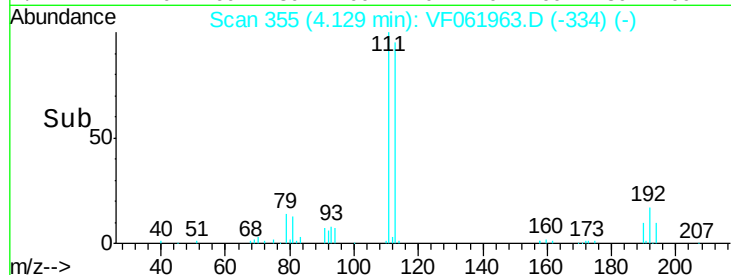
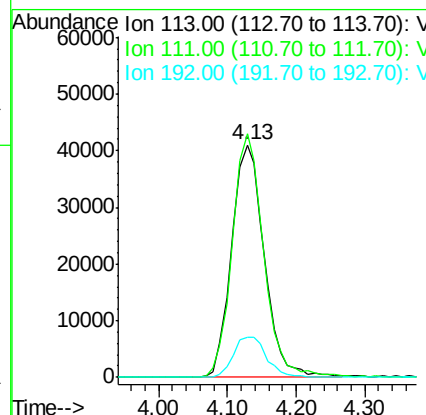
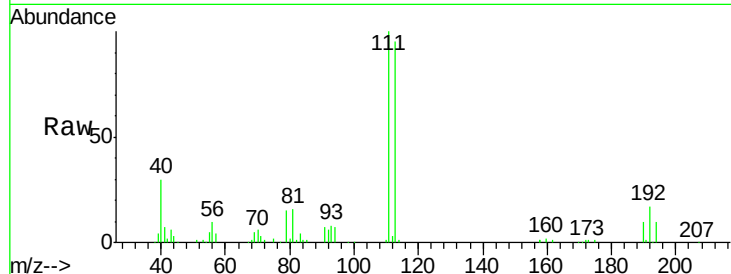
#35
Dibromofluoromethane
Concen: 52.333 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134933		
111	104.8	77.6	116.4	
192	17.4	15.9	23.9	

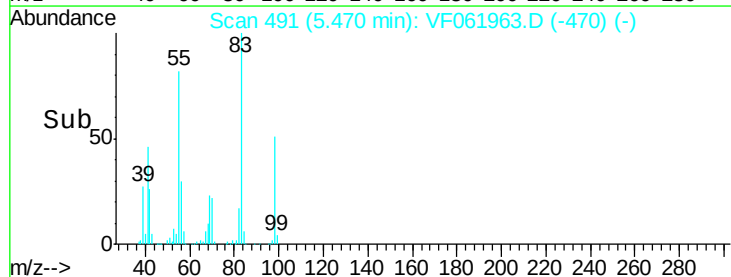
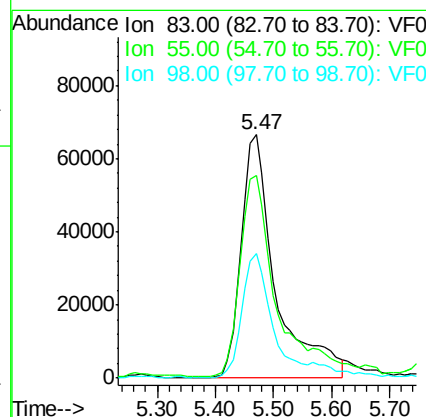
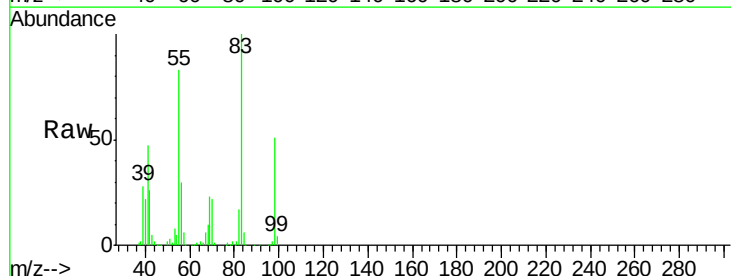
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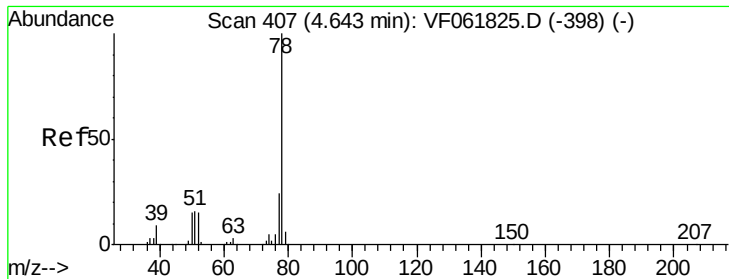
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#39
Methylcyclohexane
Concen: 67.092 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	276563		
55	83.0	66.0	99.0	
98	51.3	39.8	59.6	





#40

Benzene

Concen: 15.887 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061963.D

Acq: 15 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

A1-2-H1(2.5-3)

Tot Ion: 78 Resp: 144929

Ion Ratio Lower Upper

78 100

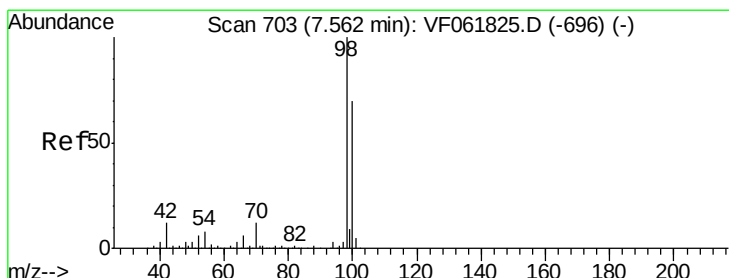
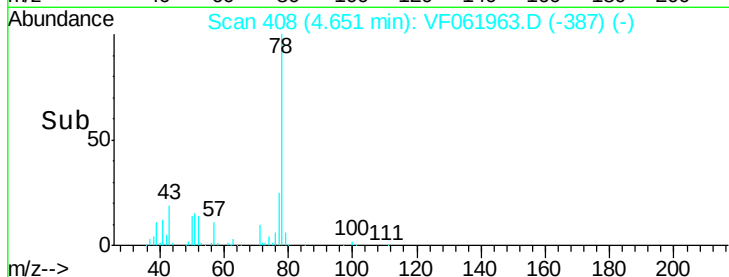
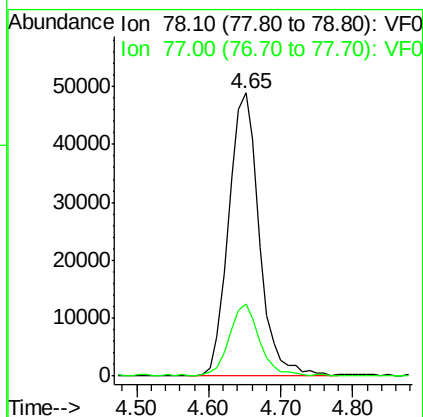
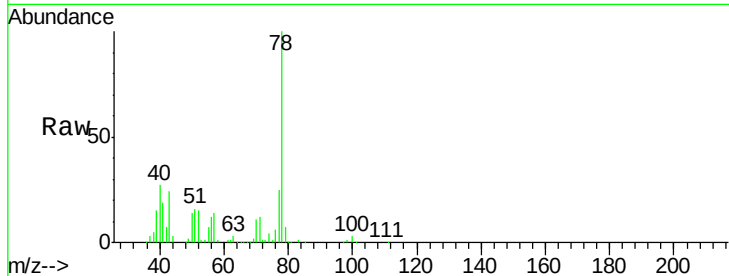
77 25.3 19.5 29.3

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#50

Toluene-d8

Concen: 48.441 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF061963.D

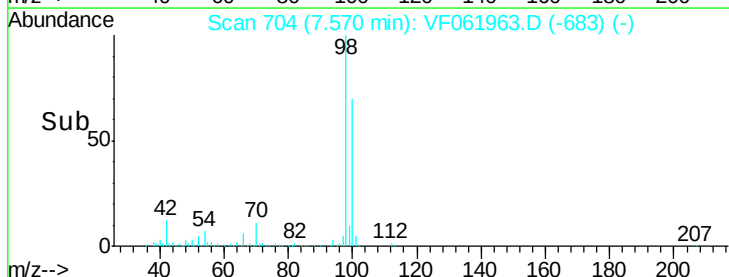
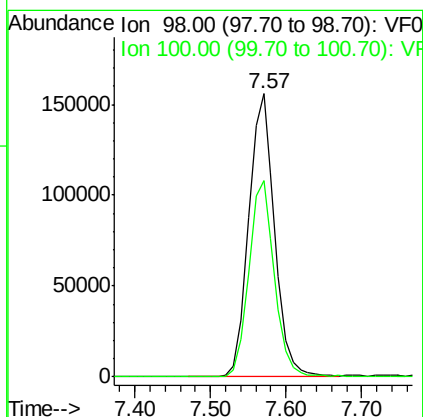
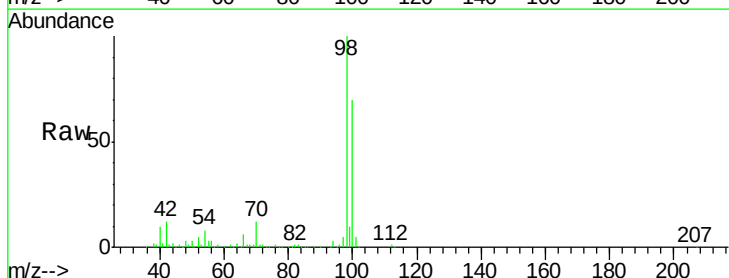
Acq: 15 Mar 2019 16:12

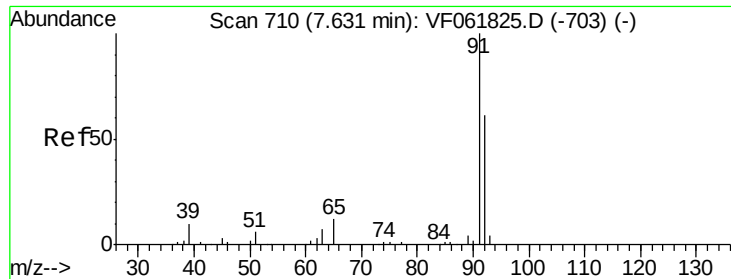
Tgt Ion: 98 Resp: 371233

Ion Ratio Lower Upper

98 100

100 69.5 56.0 84.0





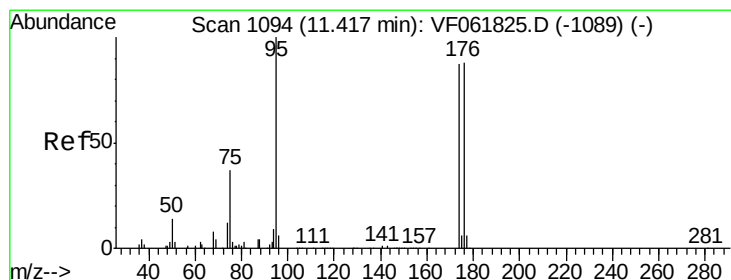
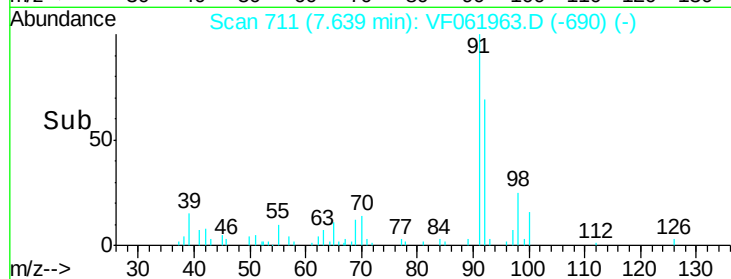
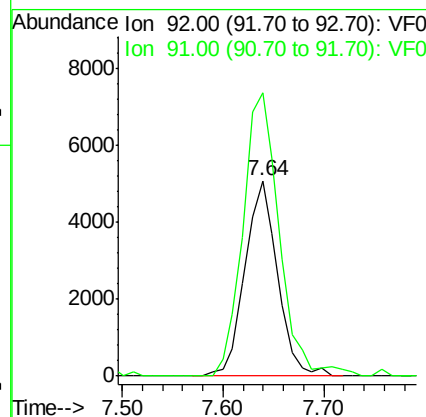
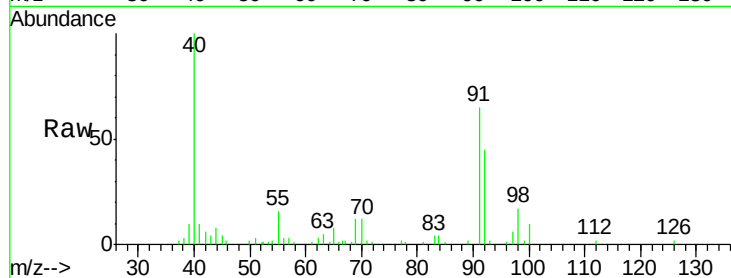
#52
Toluene
Concen: 2.126 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion: 92 Resp: 11474
Ion Ratio Lower Upper
92 100
91 144.7 132.0 198.0

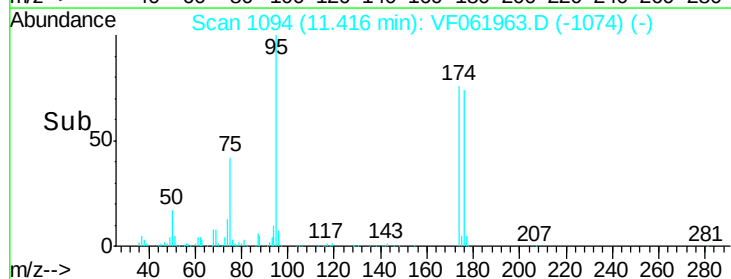
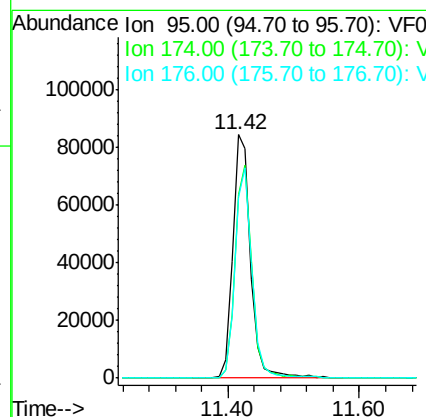
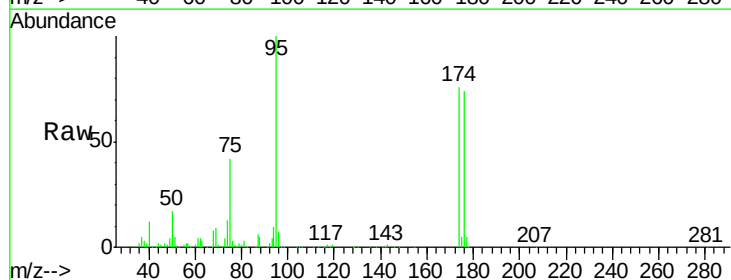
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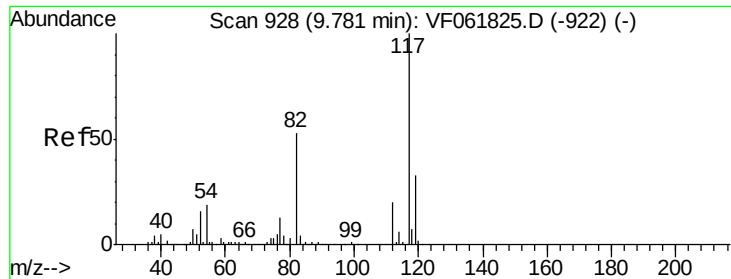
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#62
4-Bromofluorobenzene
Concen: 53.641 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Tgt Ion: 95 Resp: 161031
Ion Ratio Lower Upper
95 100
174 75.5 0.0 174.0
176 74.4 0.0 175.2





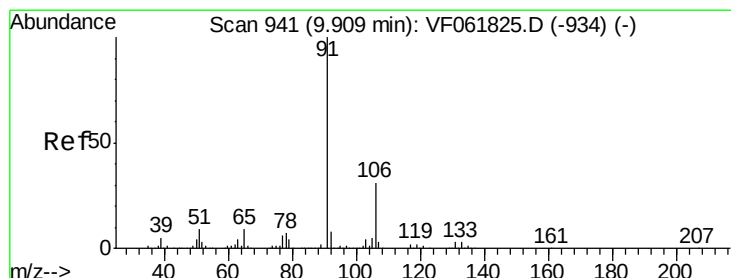
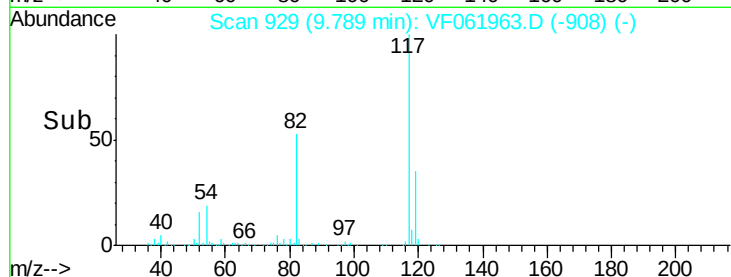
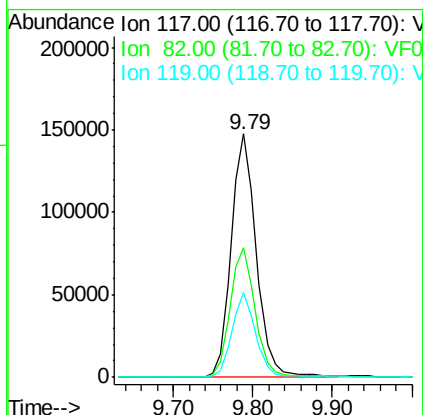
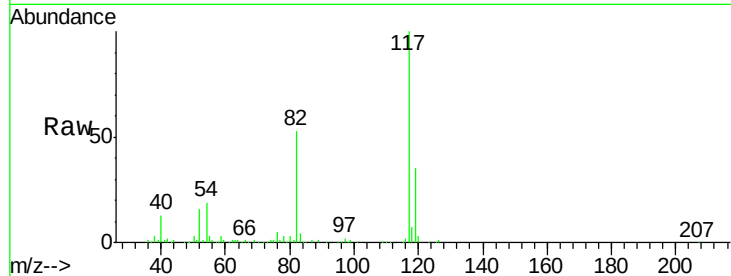
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
A1-2-H1(2.5-3)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	326477		
82	53.2	42.6	63.8	
119	34.7	26.0	39.0	

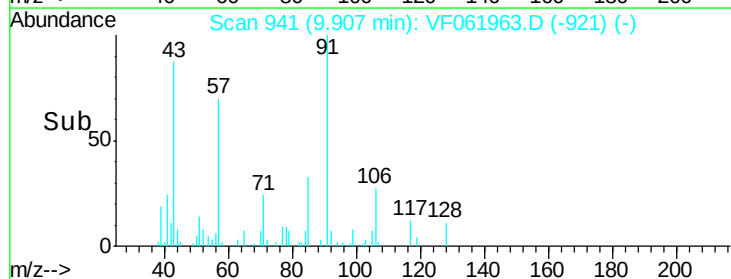
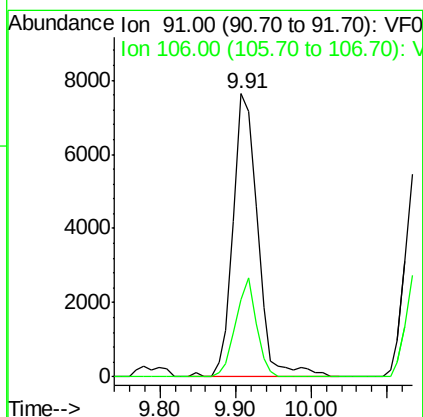
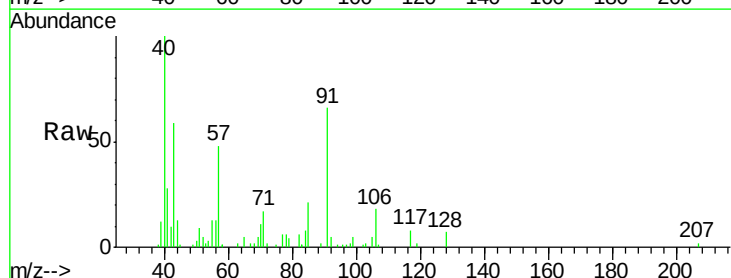
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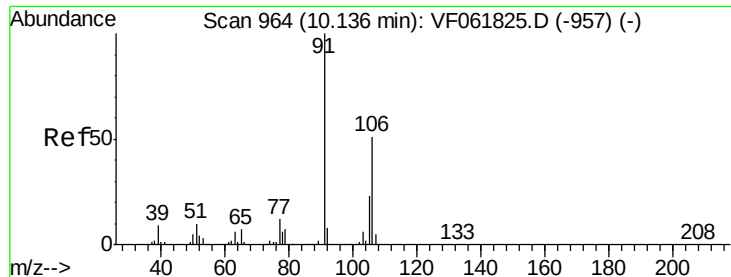
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#67
Ethyl Benzene
Concen: 1.653 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	17185		
106	27.2	25.0	37.4	





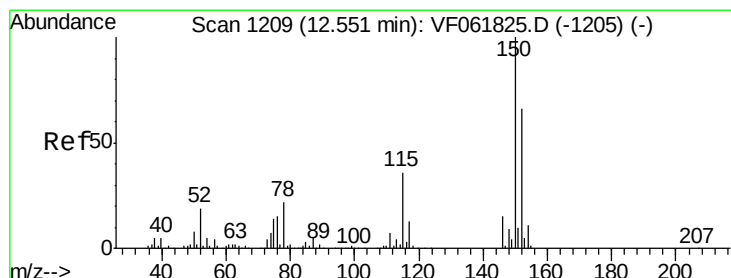
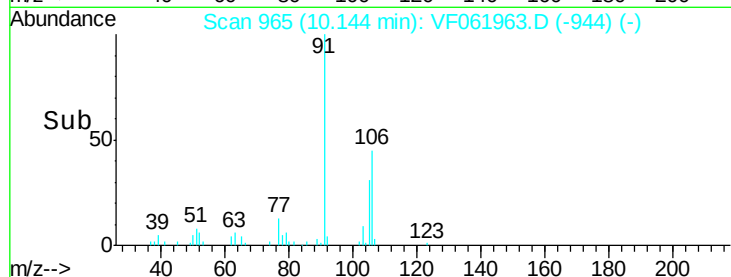
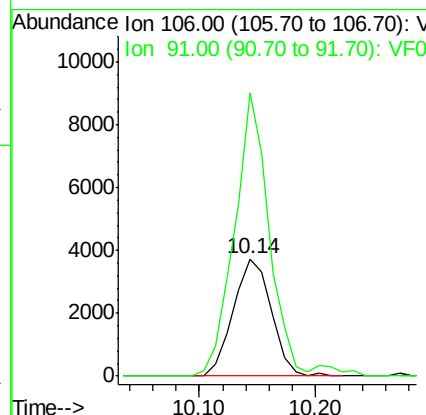
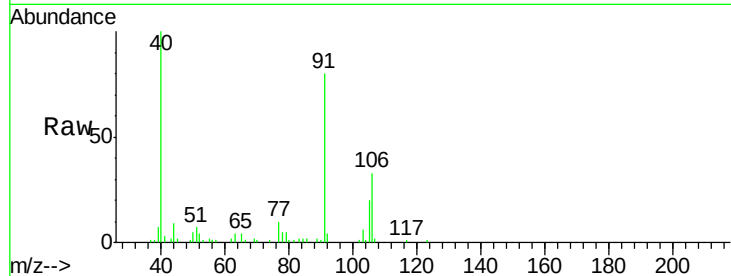
#68
m/p-Xvlenes
Concen: 2.113 ug/l
RT: 10.14 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampled :
A1-2-H1(2.5-3)

Tot Ion:106 Resp: 8416
Ion Ratio Lower Upper
106 100
91 241.8 157.5 236.3#

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061963.D
Acq: 15 Mar 2019 16:12

Tgt Ion:152 Resp: 178538
Ion Ratio Lower Upper
152 100
115 55.4 27.7 83.1
150 153.4 0.0 304.2

