

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007116.D
 Acq On : 18 Jan 2019 04:15
 Operator : JC/SP
 Sample : K1167-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CLOVER-YARD-B

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:22:37 AM

Quant Time: Jan 18 07:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	590051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	922736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	879396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422968	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	316533	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
35) Dibromofluoromethane	5.51	113	280744	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	1119508	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.13	95	396502	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
Target Compounds						
16) Acetone	2.45	43	33032	10.835	ug/l	94
18) Methyl Acetate	2.80	43	18417	2.086	ug/l #	80
20) Methylene Chloride	2.84	84	32038739m	5588.184	ug/l	
25) 2-Butanone	4.71	43	6230	1.428	ug/l #	85
43) Isopropyl Acetate	6.46	43	24515	1.807	ug/l	96
95) Naphthalene	13.83	128	42748	1.403	ug/l	97

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

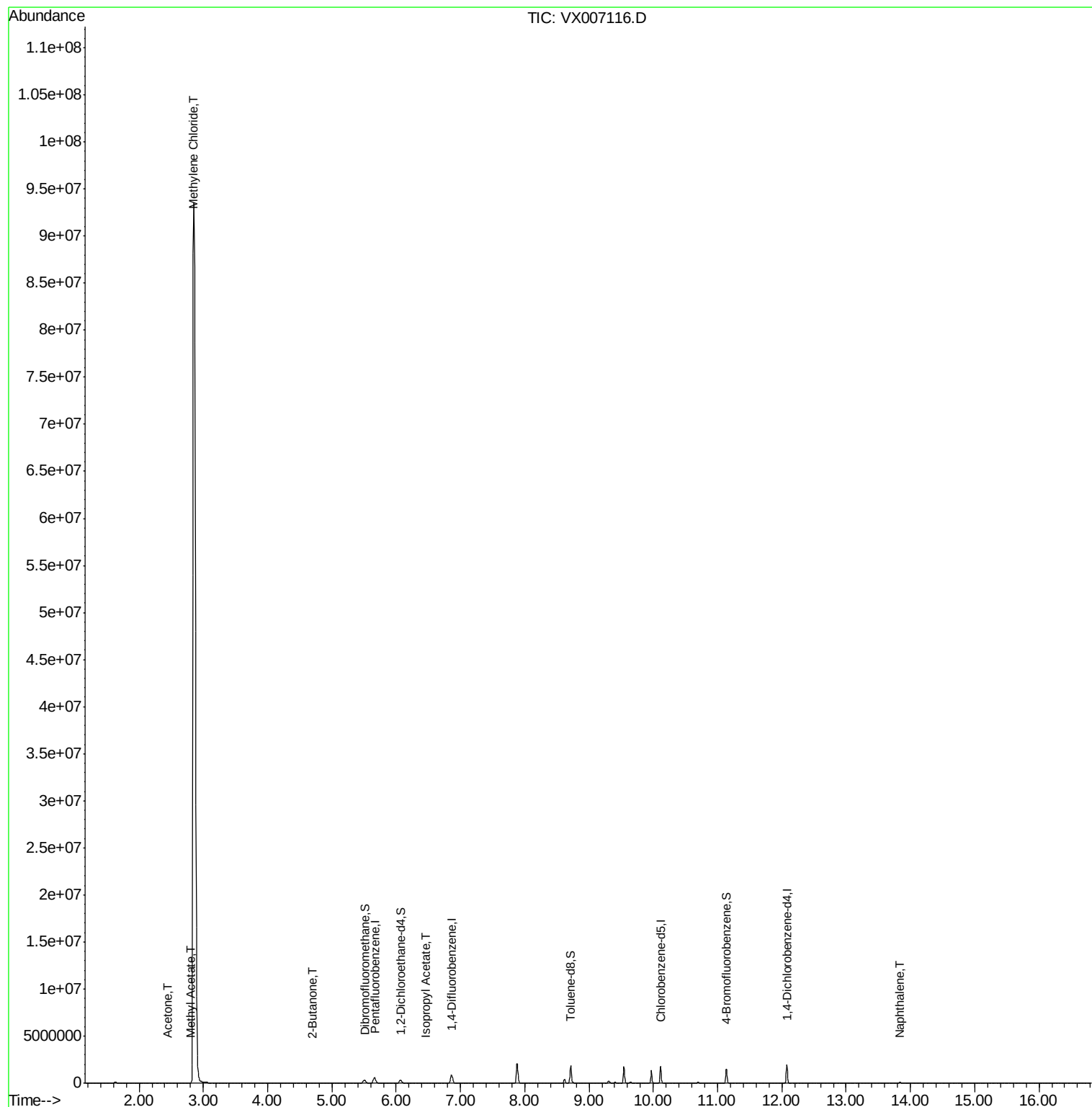
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007116.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

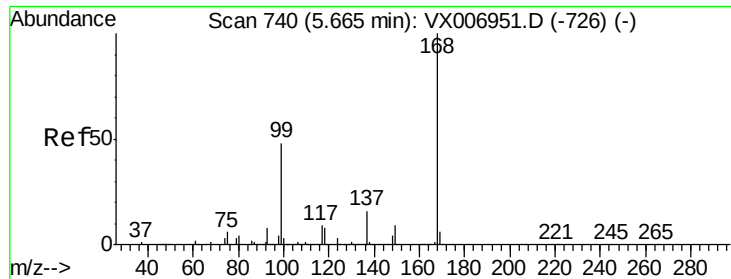
Instrument :
MSVOA_X
ClientSampleId :
CLOVER-YARD-B

Manual Integrations
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1/18/2019 10:22:37 AM

Quant Time: Jan 18 07:30:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007116.D

Acq: 18 Jan 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

CLOVER-YARD-B

Tot Ion:168 Resp: 590051

Ion Ratio Lower Upper

168 100

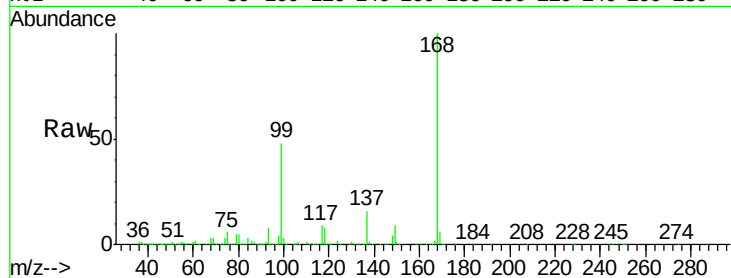
99 48.2 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

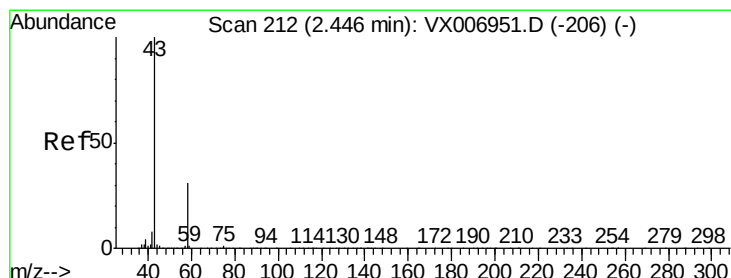
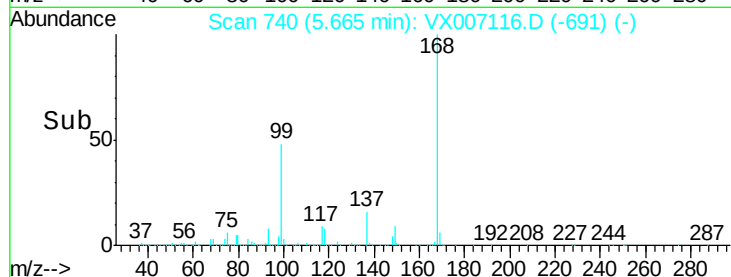
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 10.835 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007116.D

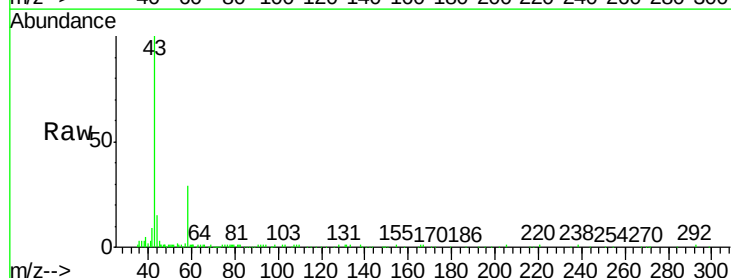
Acq: 18 Jan 2019 04:15

Tgt Ion: 43 Resp: 33032

Ion Ratio Lower Upper

43 100

58 28.1 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

15000

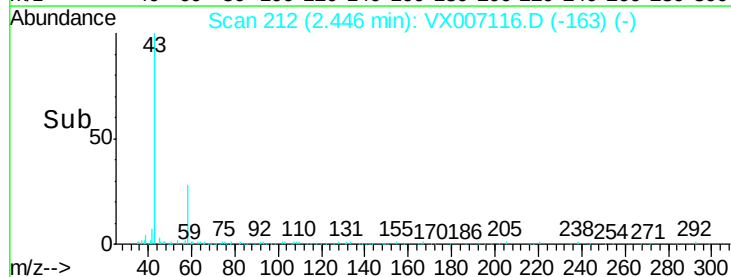
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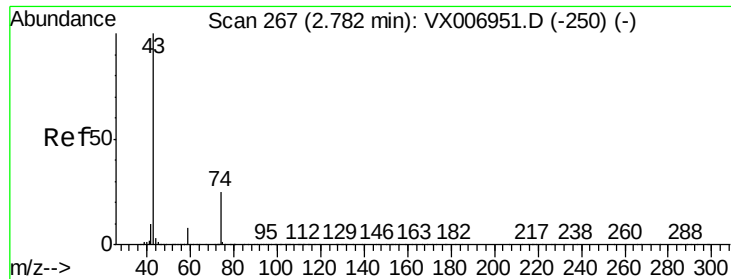
5000

0

2.35 2.40 2.45 2.50 2.55

Time-->





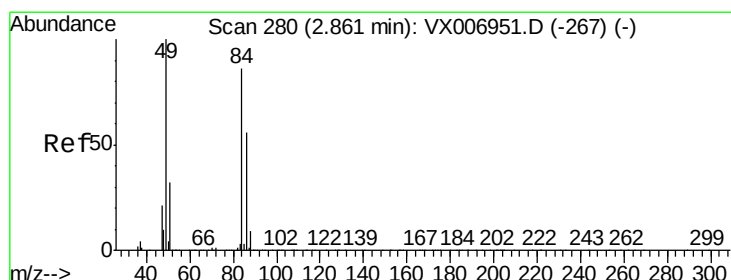
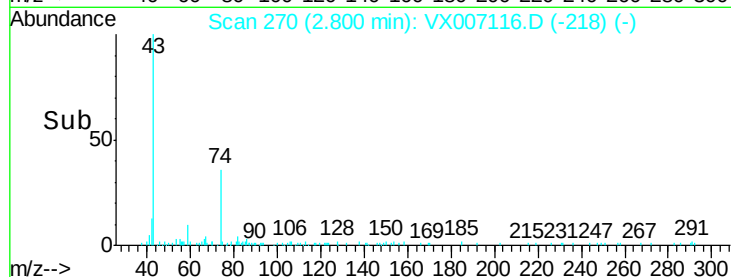
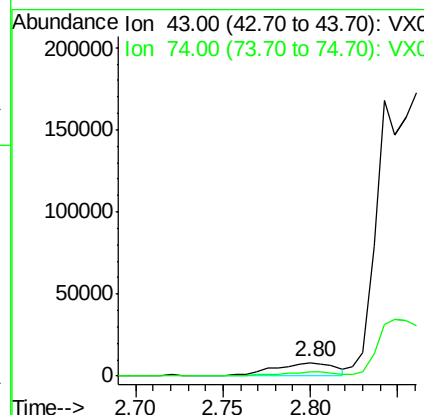
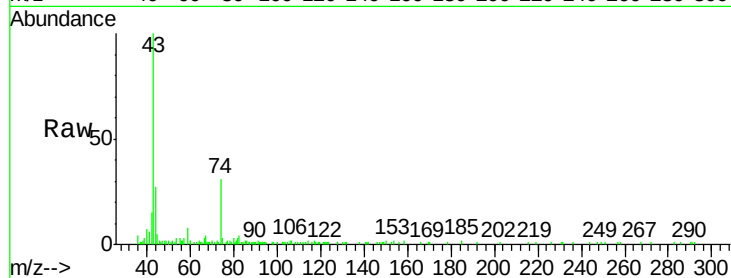
#18
Methyl Acetate
Concen: 2.086 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
CLOVER-YARD-B

Tot Ion: 43 Resp: 18417
Ion Ratio Lower Upper
43 100
74 32.9 18.6 28.0#

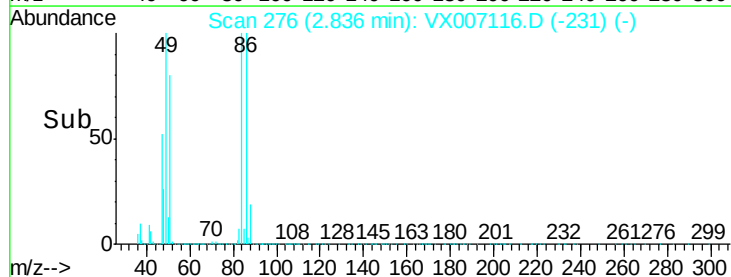
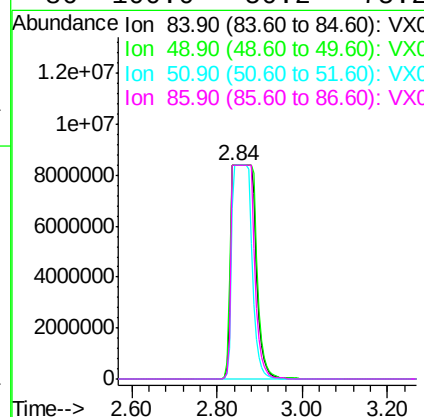
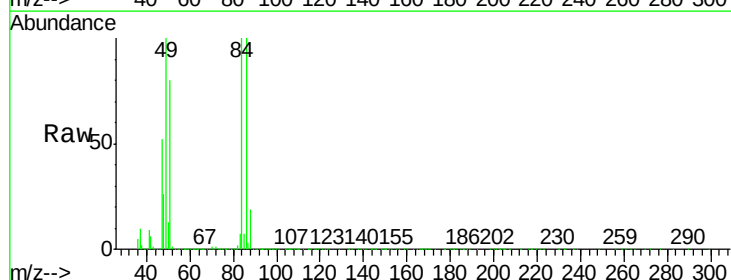
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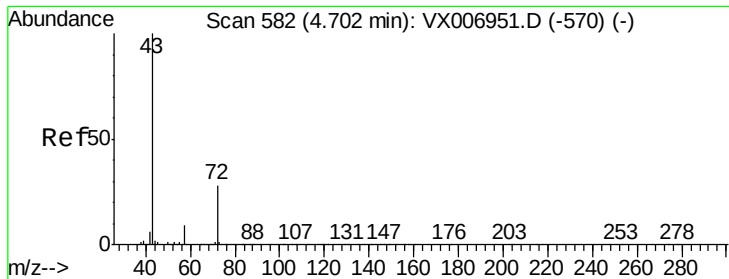
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#20
Methylene Chloride
Concen: 5588.184 ug/l m
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Tgt Ion: 84 Resp: 32038739
Ion Ratio Lower Upper
84 100
49 100.0 91.8 137.6
51 79.8 28.5 42.7#
86 100.0 50.2 75.2#





#25

2-Butanone

Concen: 1.428 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007116.D

Acq: 18 Jan 2019 04:15

Instrument :

MSVOA_X

ClientSampleId :

CLOVER-YARD-B

Tot Ion: 43 Resp: 6230

Ion Ratio Lower Upper

43 100

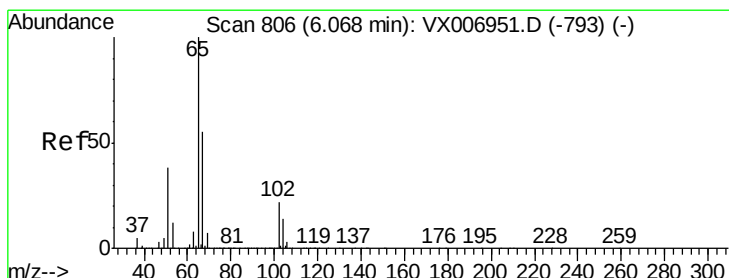
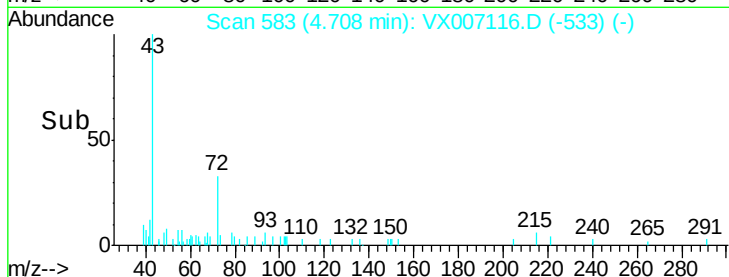
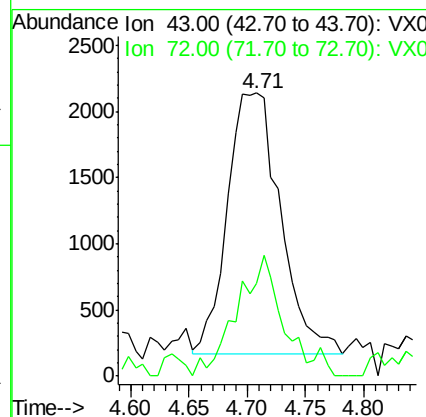
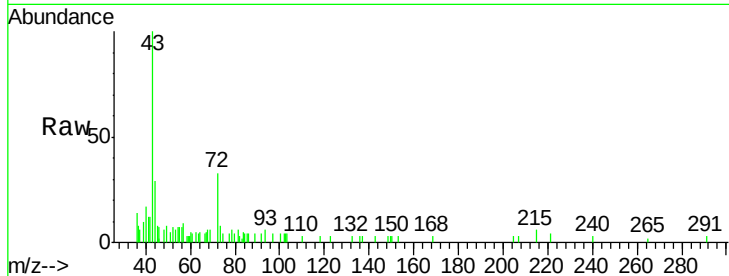
72 35.7 22.4 33.6#

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#33

1,2-Dichloroethane-d4

Concen: 51.331 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007116.D

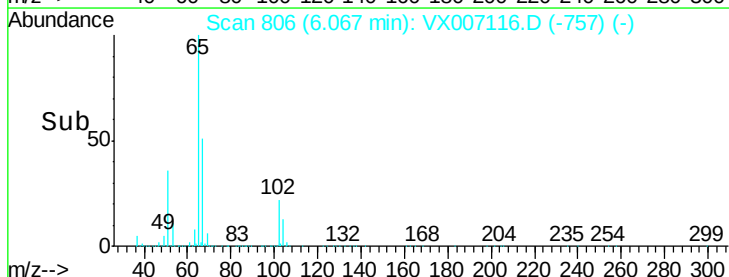
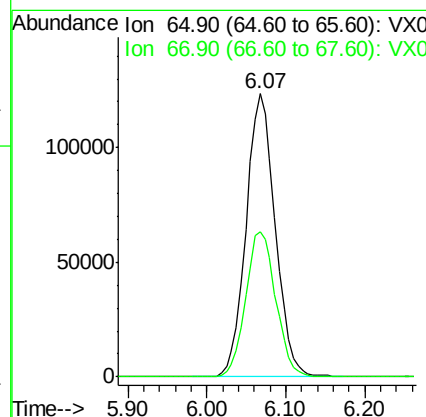
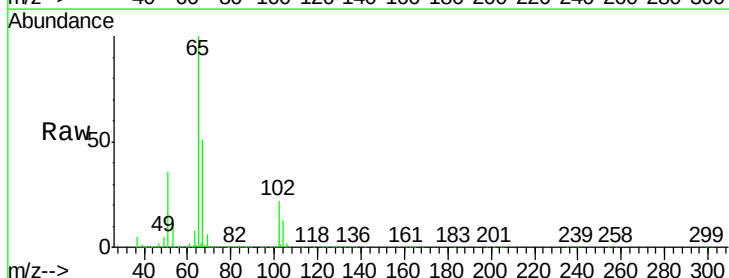
Acq: 18 Jan 2019 04:15

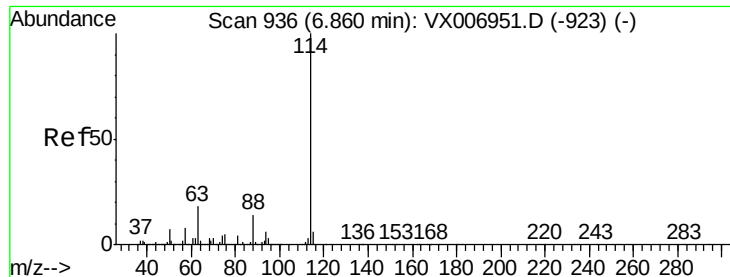
Tgt Ion: 65 Resp: 316533

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007116.D

Acq: 18 Jan 2019 04:15

Instrument :

MSVOA_X

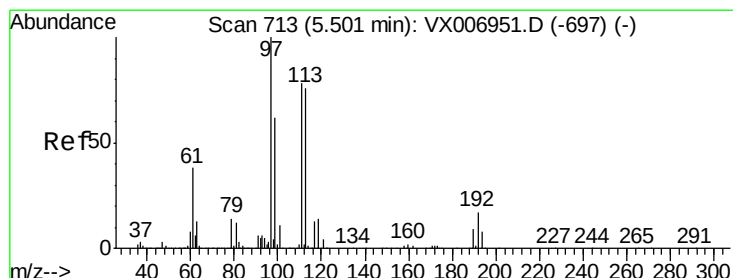
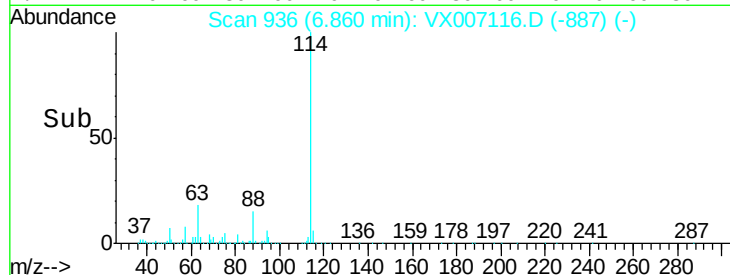
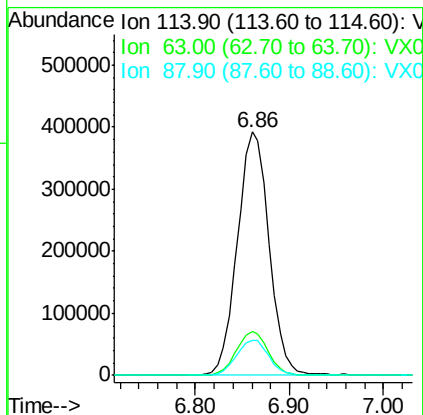
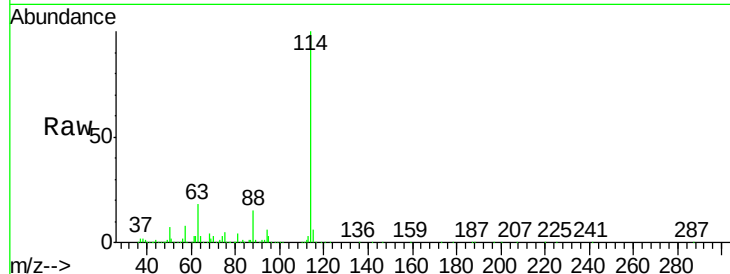
ClientSampleId :

CLOVER-YARD-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
922736	114	100			
	63	18.2	0.0	34.8	
	88	14.6	0.0	28.8	

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#35

Dibromofluoromethane

Concen: 47.510 ug/l

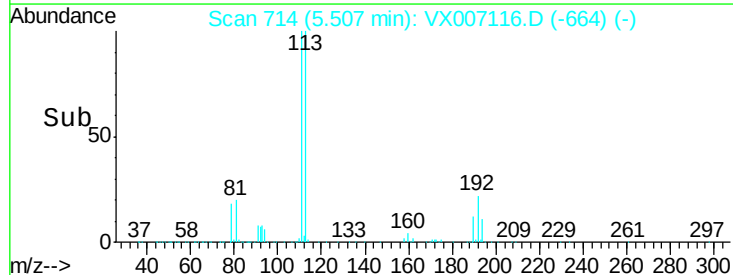
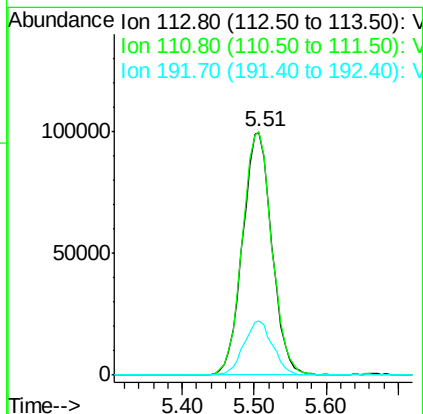
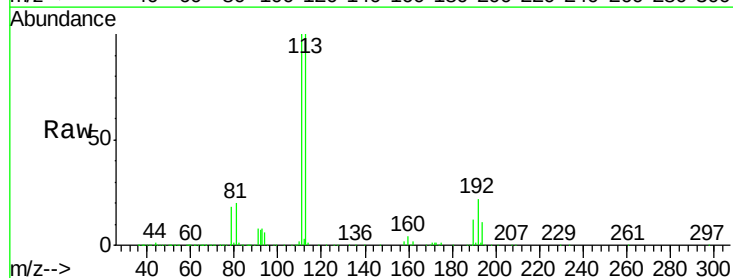
RT: 5.51 min Scan# 714

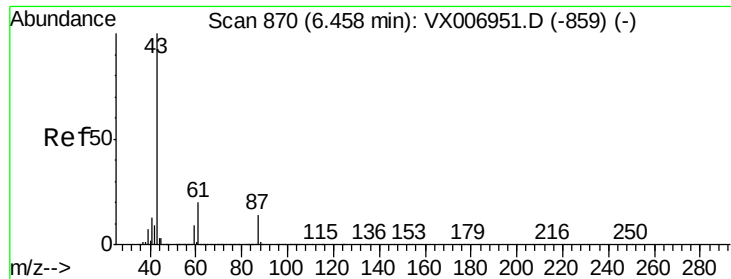
Delta R.T. 0.01 min

Lab File: VX007116.D

Acq: 18 Jan 2019 04:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
280744	113	100			
	111	101.2	81.6	122.4	
	192	22.1	16.7	25.1	





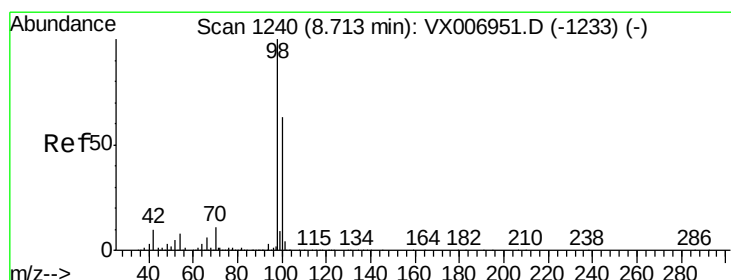
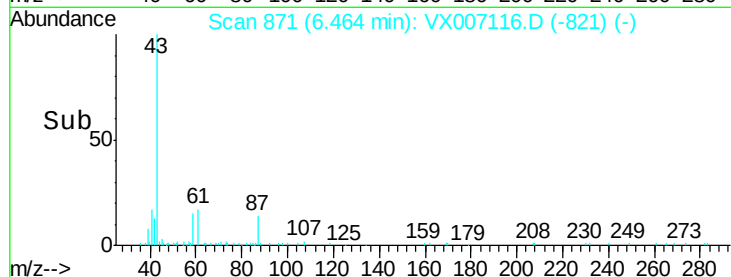
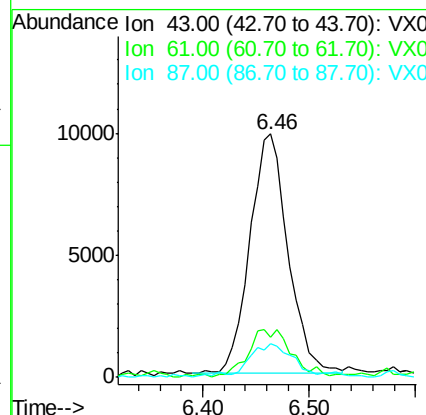
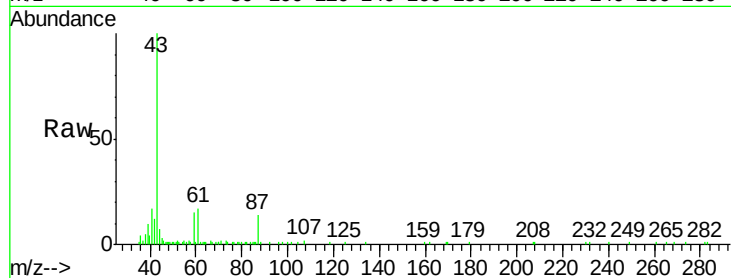
#43
Isopropyl Acetate
Concen: 1.807 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
CLOVER-YARD-B

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	16.8	25.2
87	17.0	12.4	18.6

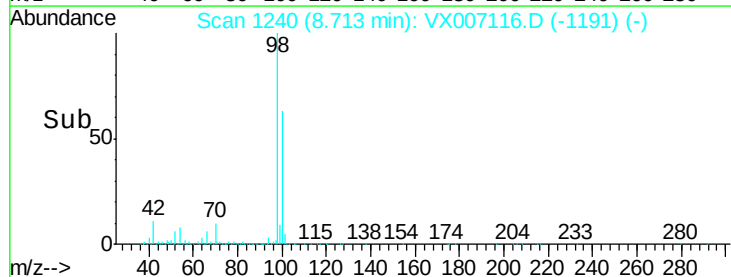
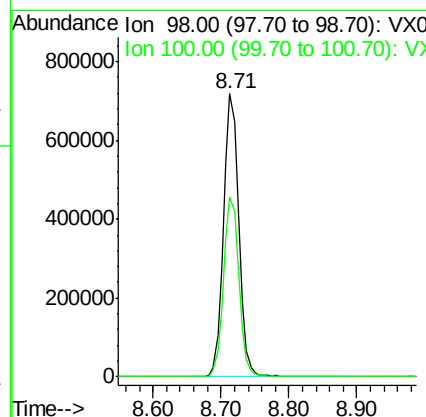
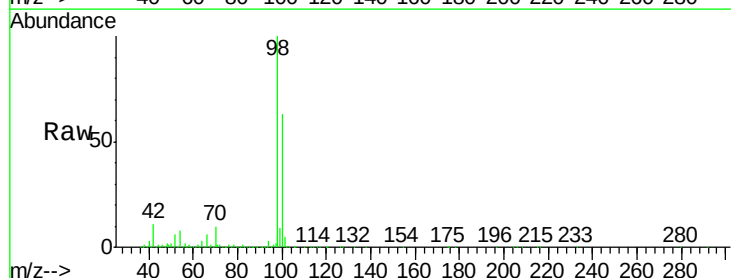
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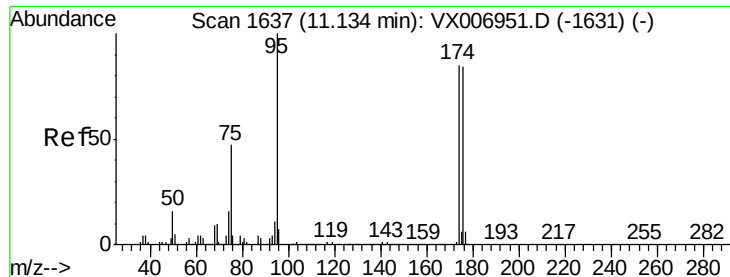
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#50
Toluene-d8
Concen: 51.759 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





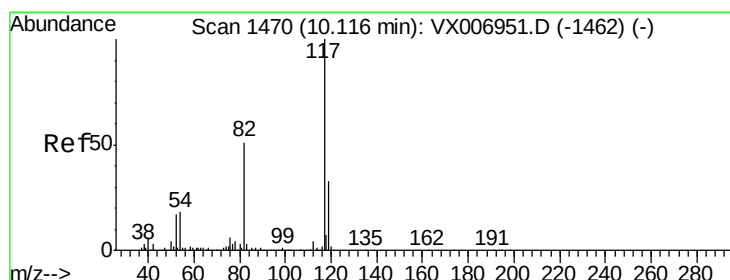
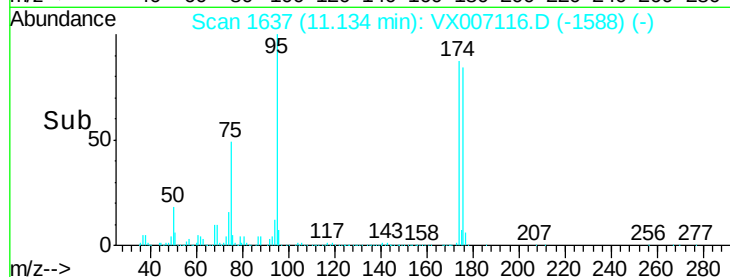
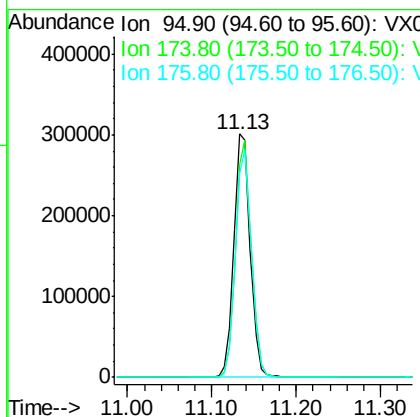
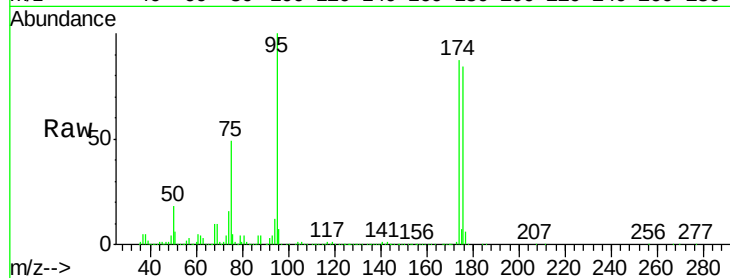
#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
CLOVER-YARD-B

Tot Ion	Ratio	Resp	Lower	Upper
95	100	396502		
174	93.8	0.0	182.2	
176	91.0	0.0	178.8	

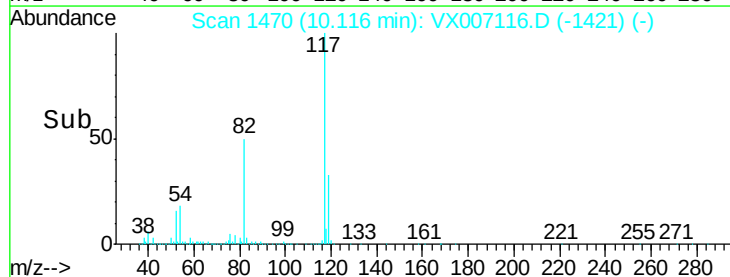
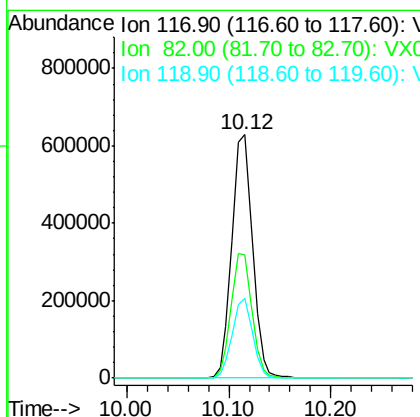
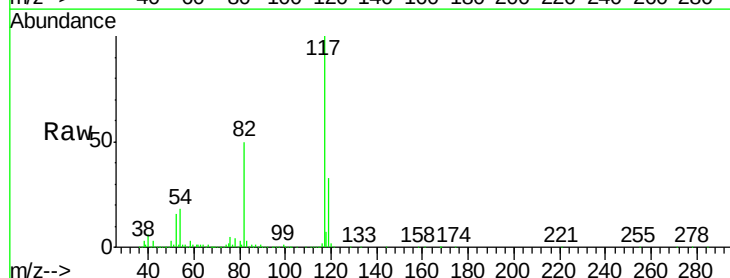
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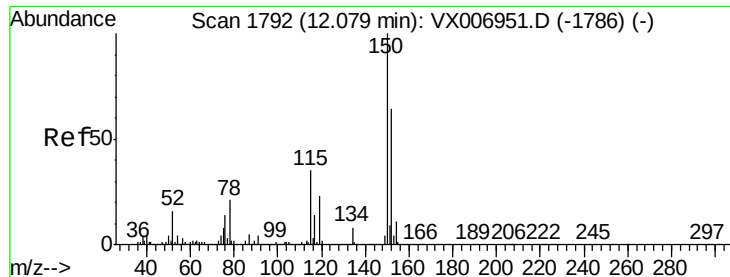
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	879396		
82	50.4	41.0	61.6	
119	32.8	25.4	38.0	





#72

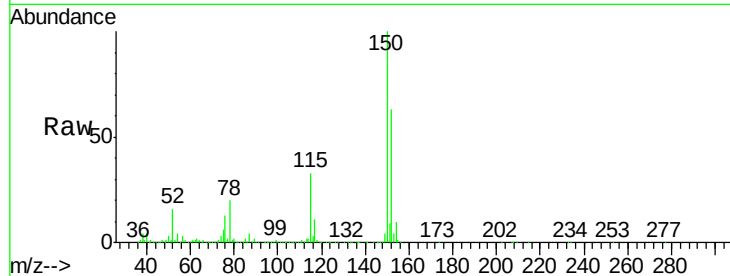
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Instrument :
MSVOA_X
ClientSampleId :
CLOVER-YARD-B

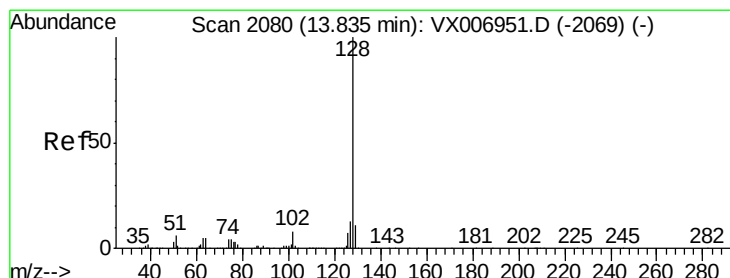
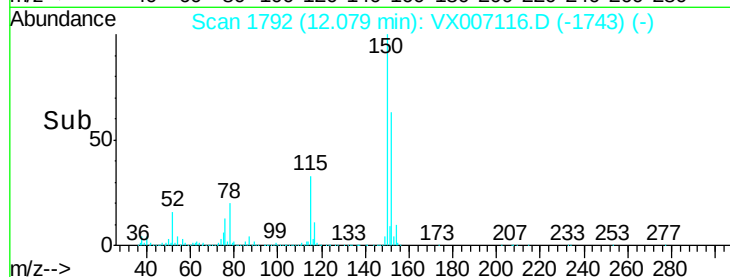
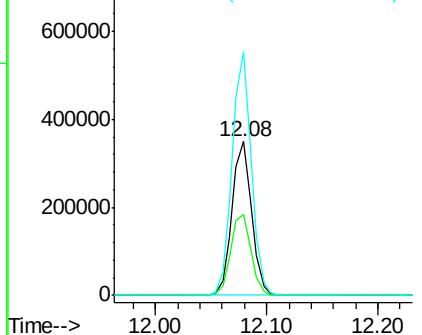
Tot Ion	Ratio	Resp	Lower	Upper
152	100	422968		
115	54.9	39.1	117.2	
150	156.1	0.0	344.8	

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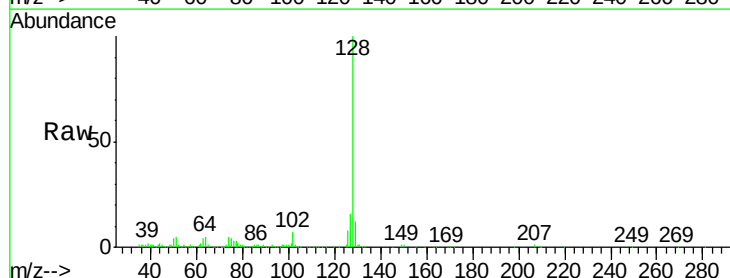
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 1.403 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007116.D
Acq: 18 Jan 2019 04:15

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	42748		
127	14.3	10.1	15.1	
129	11.6	8.6	13.0	



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

