

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007656.D
 Acq On : 22 Feb 2019 13:36
 Operator : JC/SP
 Sample : K1570-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50-25

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 9:58:03 AM

Quant Time: Feb 25 09:53:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	68158	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	344623	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	307411	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	134074	30.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.37%
60) 4-Bromofluorobenzene	11.13	95	133577	28.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.37%
63) Toluene-d8	8.71	98	409021	29.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.13%

Target Compounds

					Ovalue
15) Acetone	2.45	58	12195	18.886	ug/l 98
26) Cyclohexane	5.57	56	34943	6.131	ug/l # 98
30) 2-Butanone	4.70	43	12107	4.256	ug/l # 89
34) Benzene	6.15	78	69999	4.619	ug/l 98
38) Methylcyclohexane	7.46	83	12760m	2.293	ug/l
62) Toluene	8.78	91	8678	0.518	ug/l 89
67) m/p-Xylenes	10.36	106	5057	0.726	ug/l 96
91) Naphthalene	13.83	128	5690	0.314	ug/l 97

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

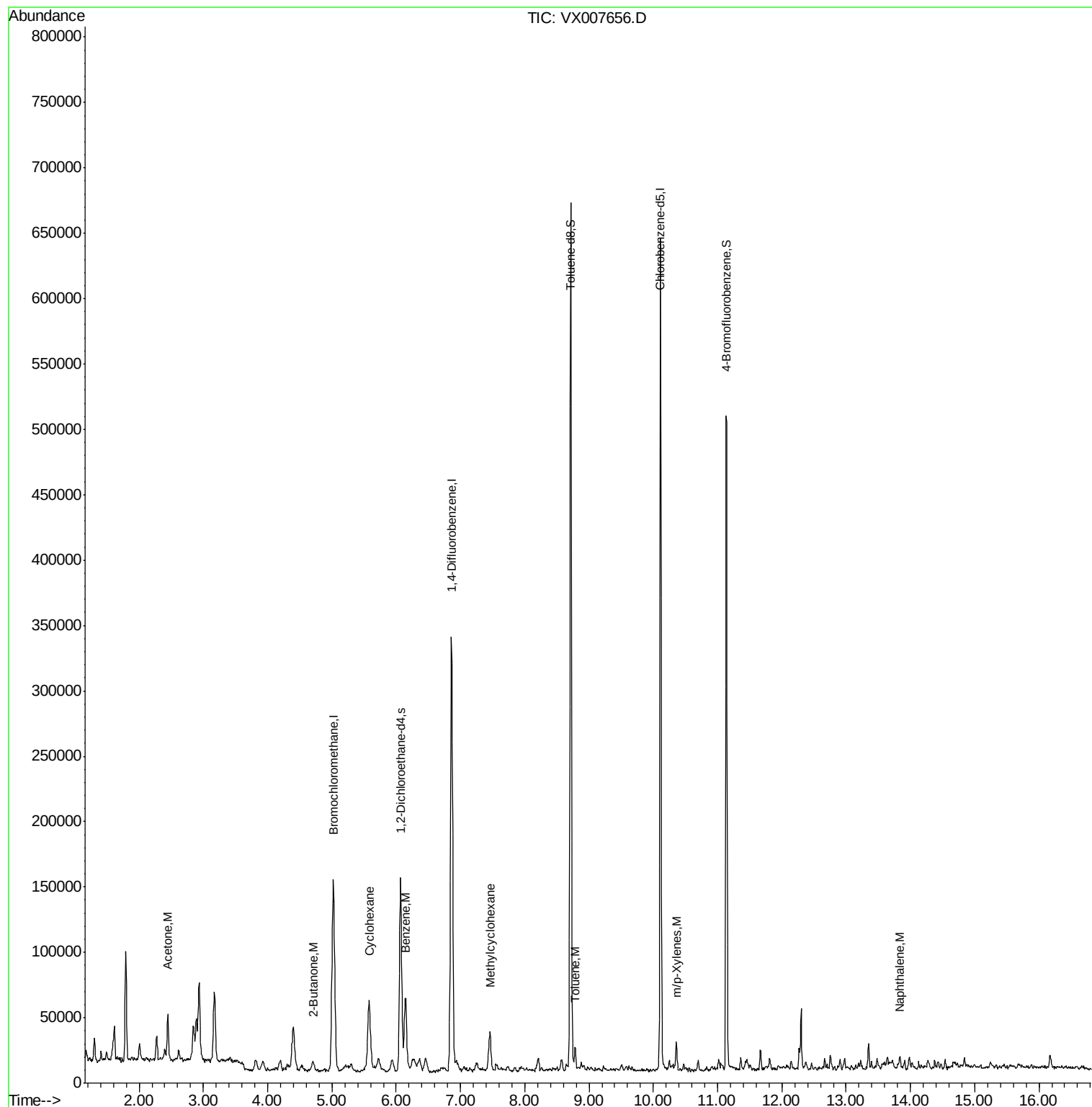
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022219\
Data File : VX007656.D
Acq On : 22 Feb 2019 13:36
Operator : JC/SP
Sample : K1570-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

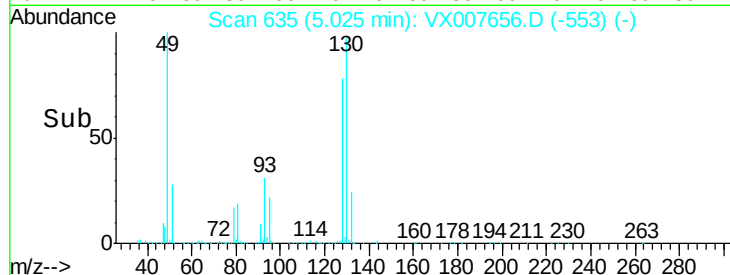
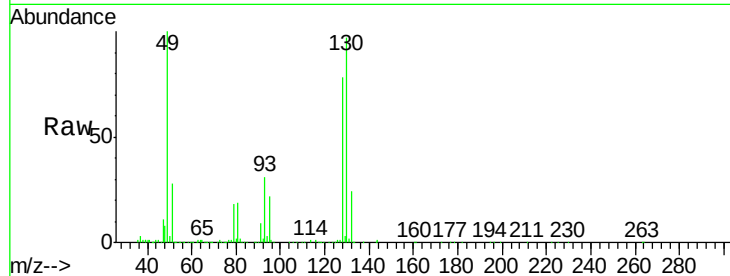
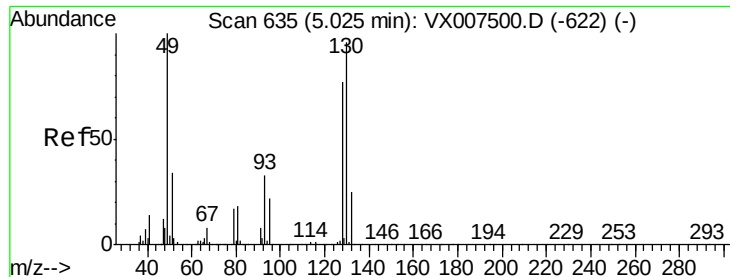
Instrument :
MSVOA_X
ClientSampleId :
50-25

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2/25/2019 9:58:03 AM

Quant Time: Feb 25 09:53:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007656.D

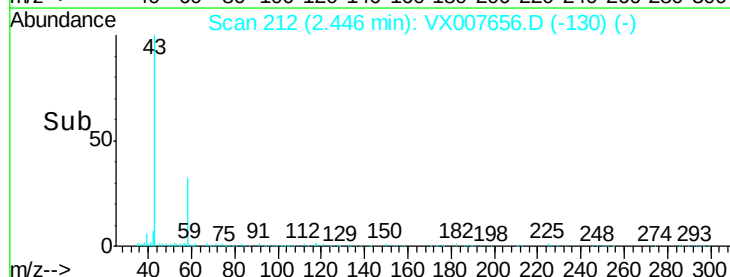
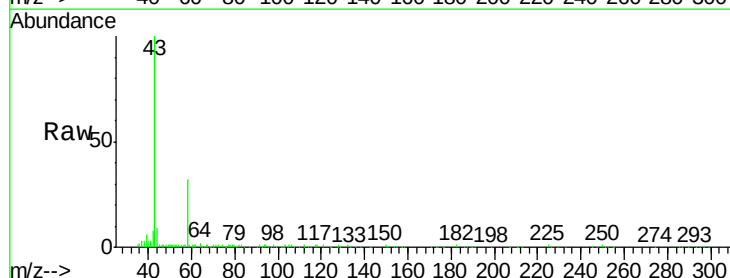
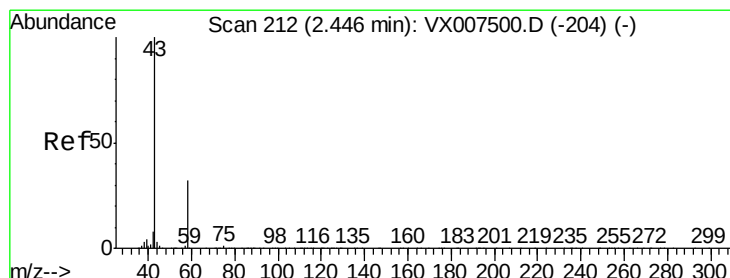
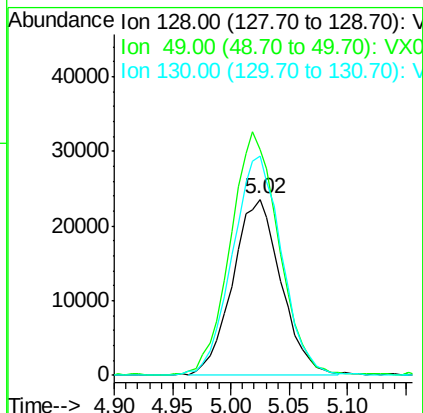
Acq: 22 Feb 2019 13:36

Tot Ion:	128	Resp:	68158
Ion	Ratio	Lower	Upper
128	100		
49	139.1	0.0	350.8
130	127.3	0.0	325.8

Instrument :
MSVOA_X
ClientSampleId :
50-25

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#15

Acetone

Concen: 18.886 ug/l

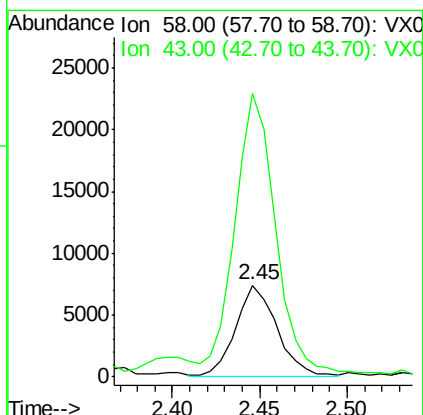
RT: 2.45 min Scan# 212

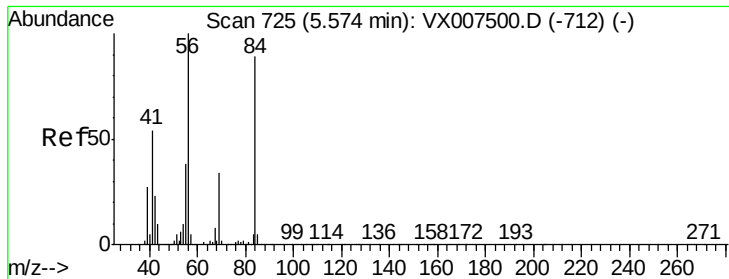
Delta R.T. -0.00 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Tgt Ion:	58	Resp:	12195
Ion	Ratio	Lower	Upper
58	100		
43	309.1	249.8	374.6





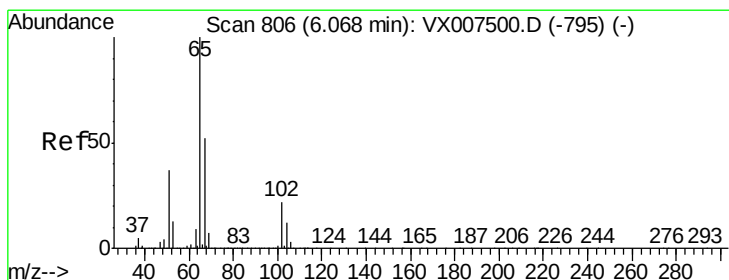
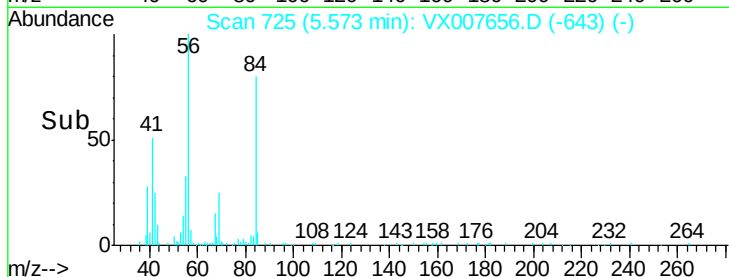
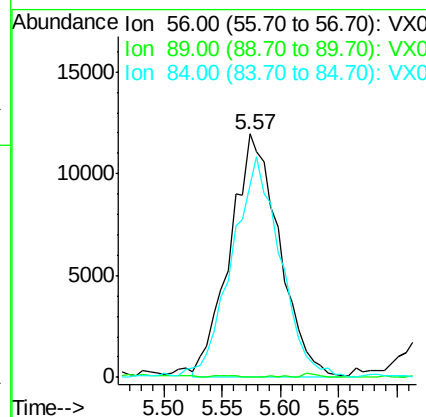
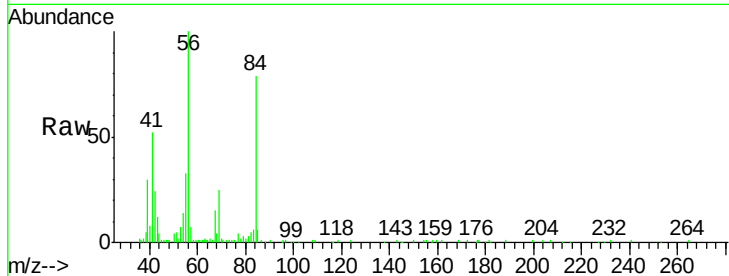
#26
Cyclohexane
Concen: 6.131 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007656.D
Acq: 22 Feb 2019 13:36

Instrument :
MSVOA_X
ClientSampleId :
50-25

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.0	0.0#
84	90.1	73.9	110.9

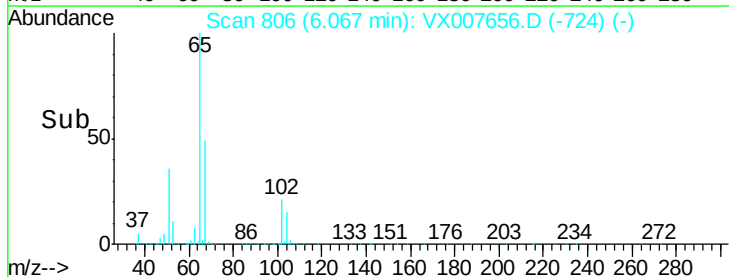
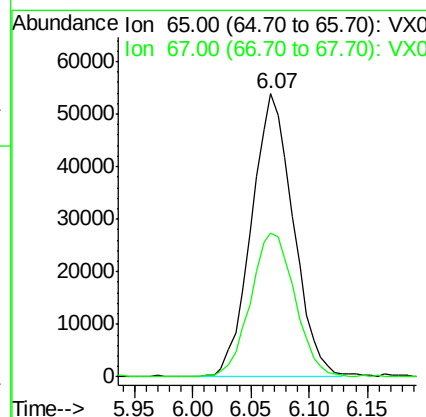
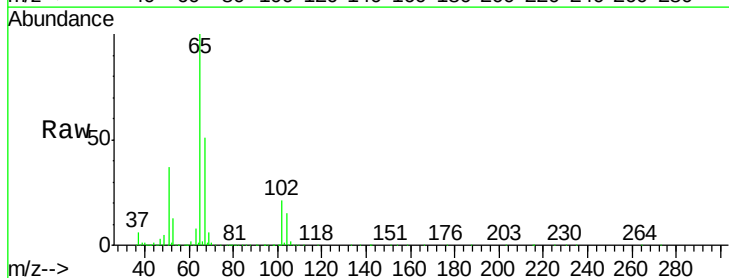
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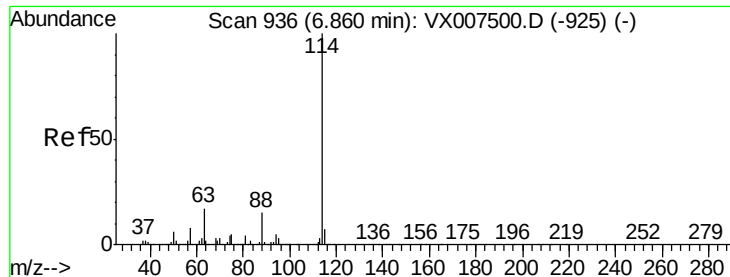
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#27
1,2-Dichloroethane-d4
Concen: 30.409 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007656.D
Acq: 22 Feb 2019 13:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.0	42.9	64.3





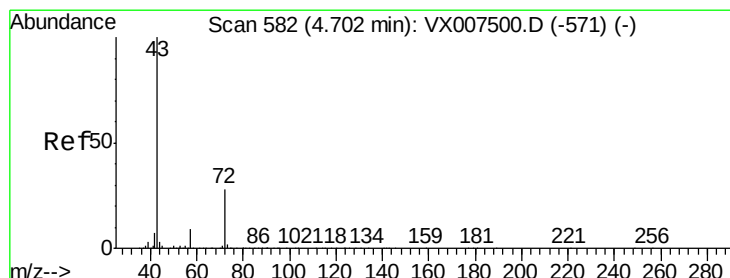
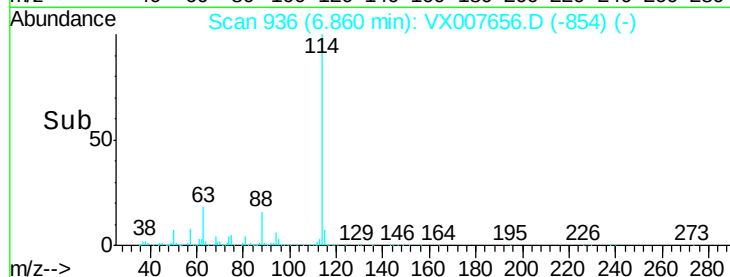
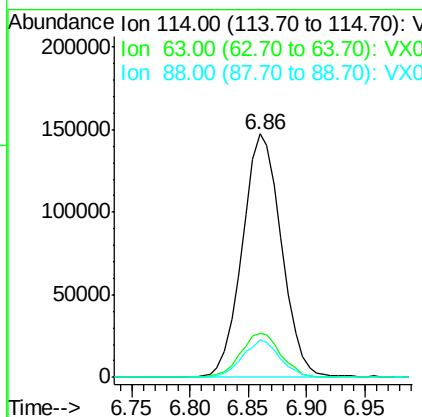
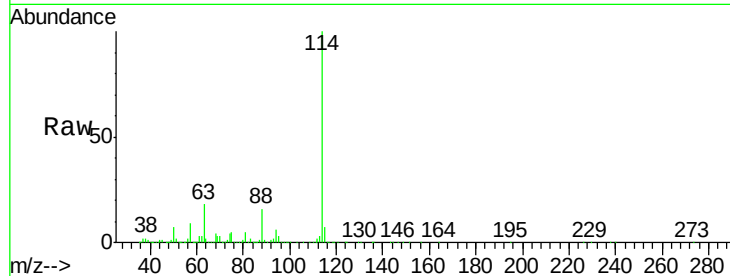
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007656.D
 Acq: 22 Feb 2019 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 50-25

Tot Ion:	114	Resp:	344623
Ion Ratio	Lower	Upper	
114	100		
63	18.6	14.2	21.4
88	14.8	11.9	17.9

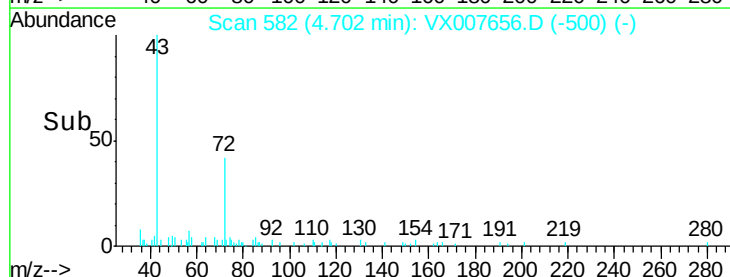
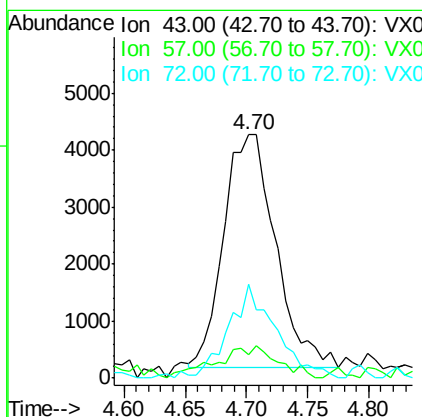
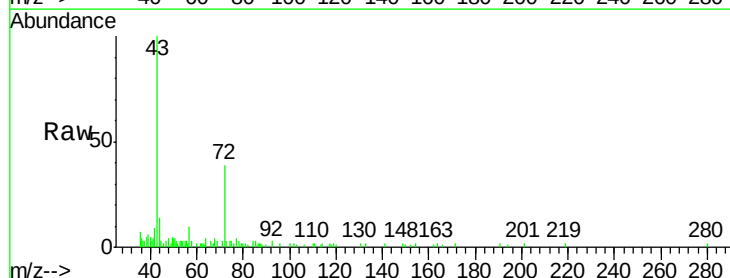
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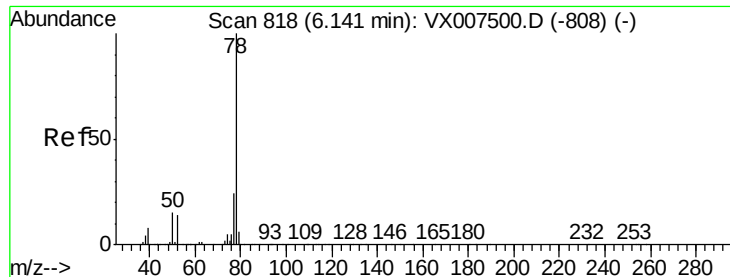
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#30
 2-Butanone
 Concen: 4.256 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX007656.D
 Acq: 22 Feb 2019 13:36

Tgt Ion:	43	Resp:	12107
Ion Ratio	Lower	Upper	
43	100		
57	2.1	7.0	10.6#
72	31.4	21.5	32.3





#34

Benzene

Concen: 4.619 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Instrument :

MSVOA_X

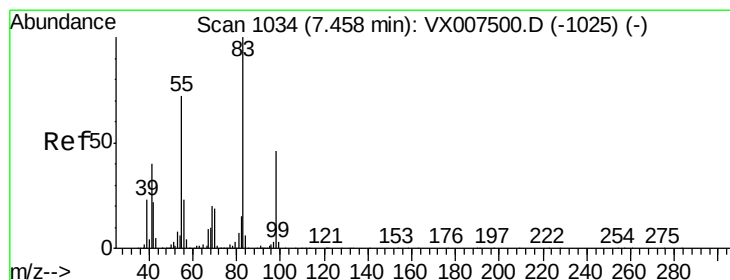
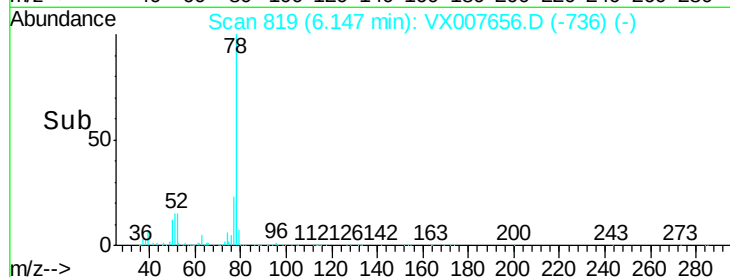
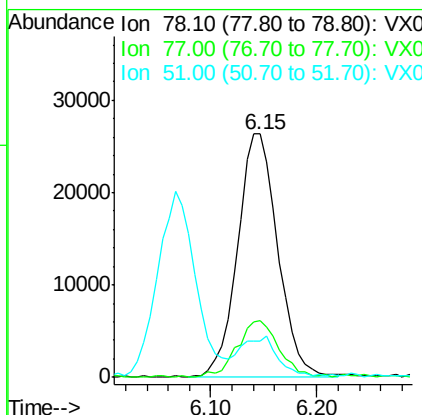
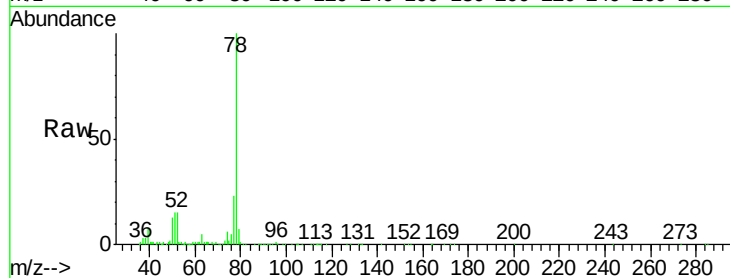
ClientSampleId :

50-25

Tot Ion:	78	Resp:	69999
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7
51	14.2	10.8	16.2

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#38

Methylcyclohexane

Concen: 2.293 ug/l m

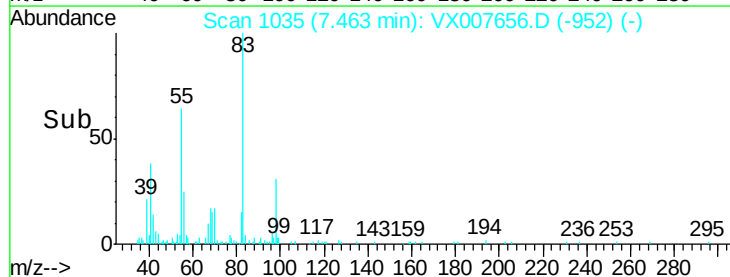
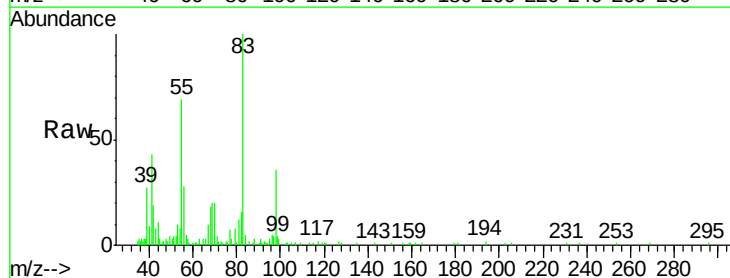
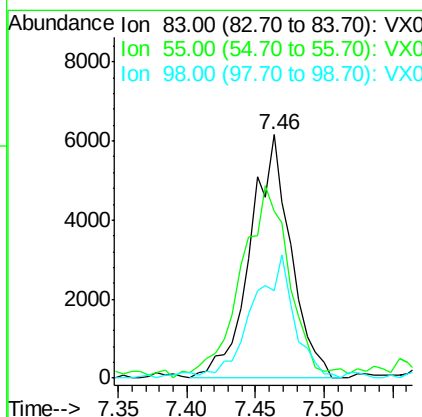
RT: 7.46 min Scan# 1035

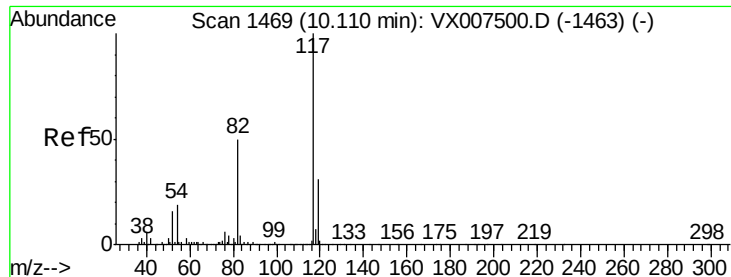
Delta R.T. 0.01 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Tgt Ion:	83	Resp:	12760
Ion	Ratio	Lower	Upper
83	100		
55	1.0	36.0	108.0#
98	0.4	23.8	71.4#





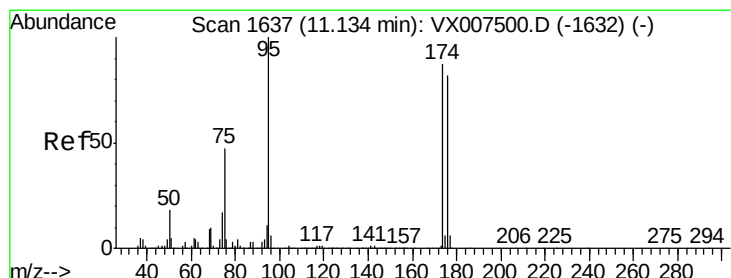
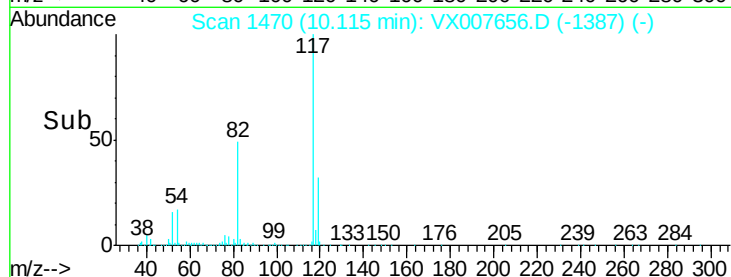
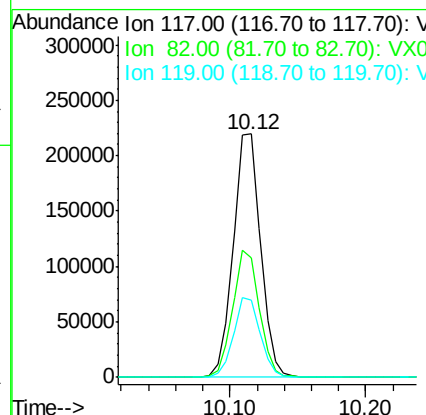
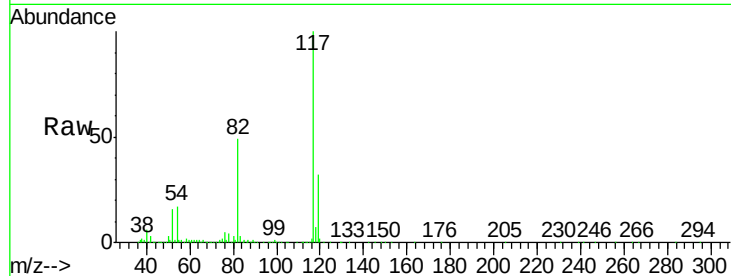
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007656.D
Acq: 22 Feb 2019 13:36

Instrument :
MSVOA_X
ClientSampled :
50-25

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	50.9	40.4	60.6
119	32.3	25.8	38.6

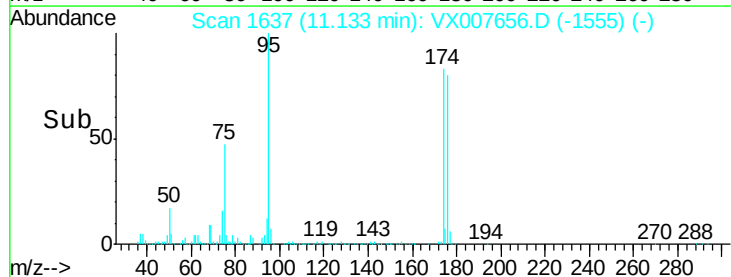
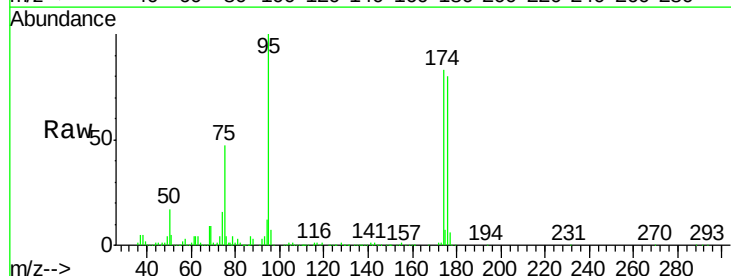
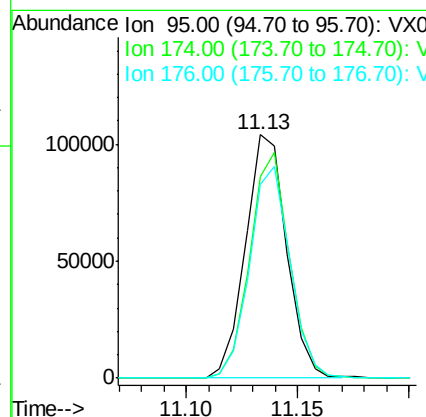
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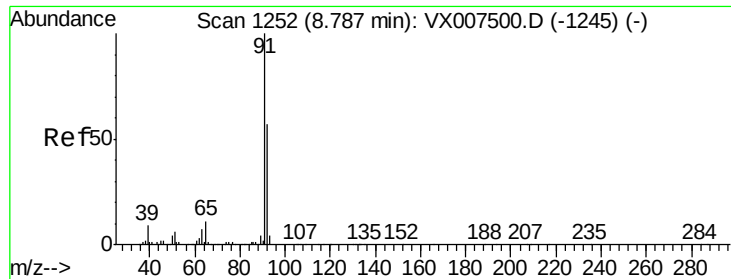
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#60
4-Bromofluorobenzene
Concen: 28.311 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007656.D
Acq: 22 Feb 2019 13:36

Tgt Ion	Ratio	Resp Lower	Upper
95	100		
174	90.1	74.9	112.3
176	86.2	70.7	106.1





#62

Toluene

Concen: 0.518 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

50-25

Tot Ion: 91 Resp: 8678

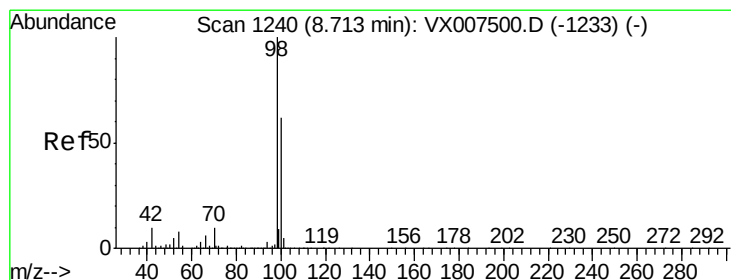
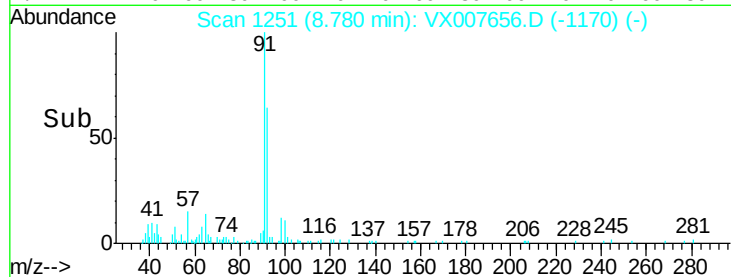
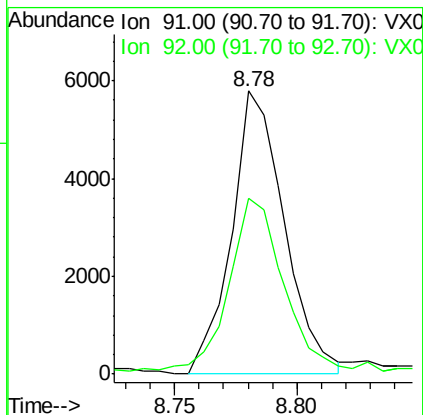
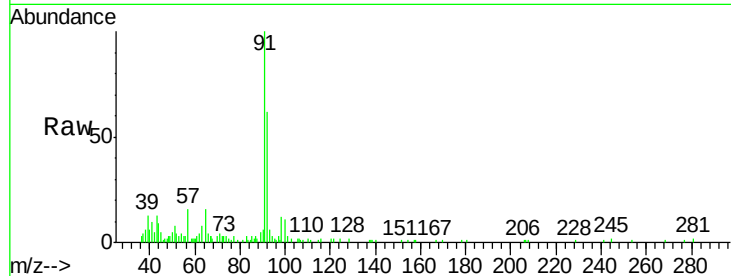
Ion Ratio Lower Upper

91 100

92 66.5 46.4 69.6

Manual Integrations
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#63

Toluene-d8

Concen: 29.438 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007656.D

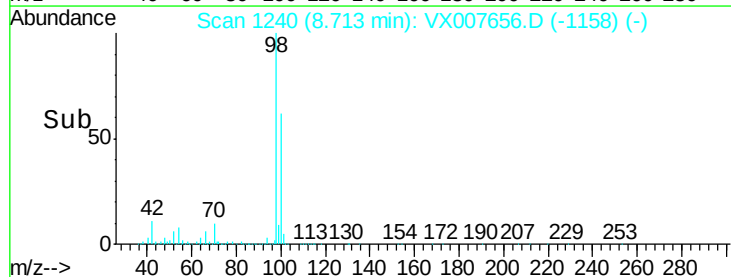
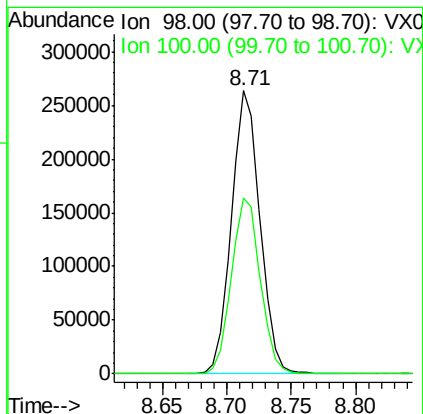
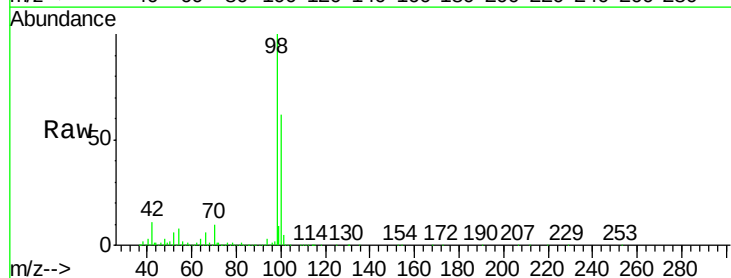
Acq: 22 Feb 2019 13:36

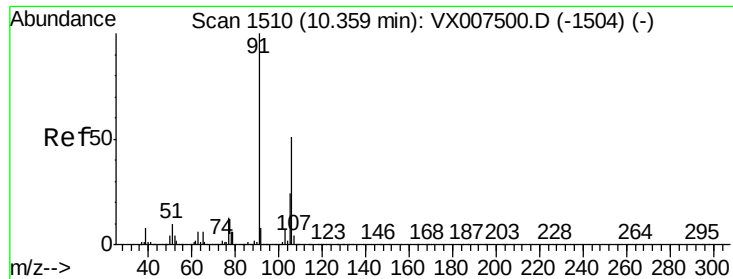
Tgt Ion: 98 Resp: 409021

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3





#67

m/p-Xylenes

Concen: 0.726 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

50-25

Tot Ion:106 Resp: 5057

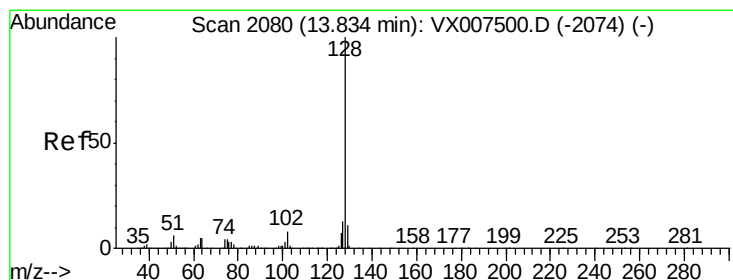
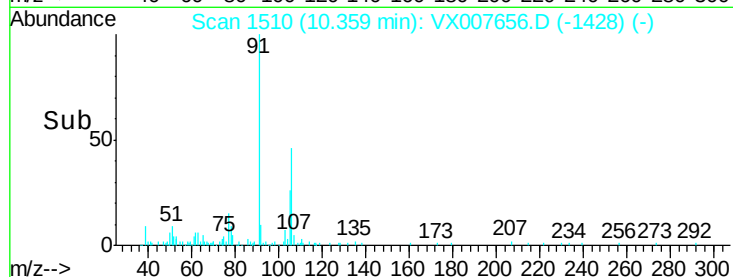
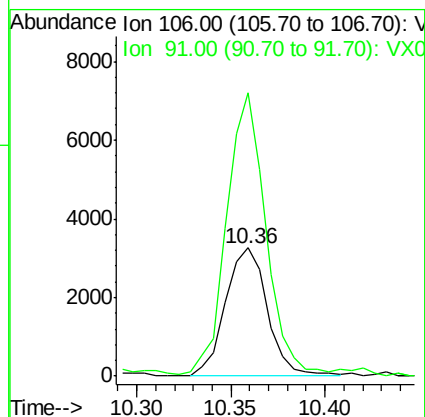
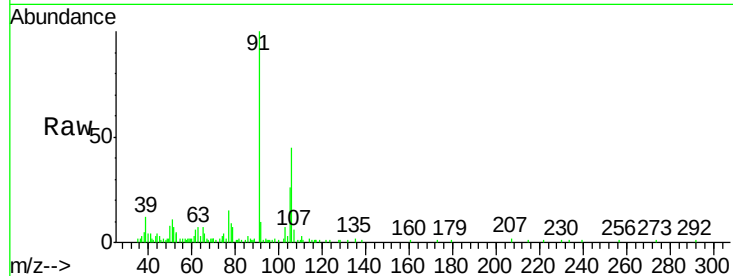
Ion Ratio Lower Upper

106 100

91 202.8 157.0 235.4

Manual Integrations
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#91

Naphthalene

Concen: 0.314 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007656.D

Acq: 22 Feb 2019 13:36

Tgt Ion:128 Resp: 5690

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 10.1 8.9 13.3

