

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005670.D
 Acq On : 29 Oct 2018 19:37
 Operator : JC/MD
 Sample : J5690-04DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-202DL

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 10:51:02 AM

Quant Time: Oct 30 04:11:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	261001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	381499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	154253	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	5.50	113	121000	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.71	98	448370	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.14	95	163881	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	4.59	96	6091	2.112	ug/l	96
39) Methylcyclohexane	7.46	83	1544	0.378	ug/l #	93
40) Benzene	6.15	78	4655	0.439	ug/l	97
45) 1,2-Dichloropropane	7.51	63	3165	1.109	ug/l	99
52) Toluene	8.78	92	7568	1.173	ug/l	99
67) Ethyl Benzene	10.25	91	139011	11.675	ug/l	97
68) m/p-Xylenes	10.36	106	129281	27.987	ug/l	99
69) o-Xylene	10.70	106	5861	1.349	ug/l	100
73) Isopropylbenzene	11.02	105	20234	1.549	ug/l	99
78) n-propylbenzene	11.36	91	35822	2.399	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	57130	5.113	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	245837	21.710	ug/l	100
86) p-Isopropyltoluene	12.07	119	3440m	0.290	ug/l	
95) Naphthalene	13.83	128	531615	36.431	ug/l	100

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

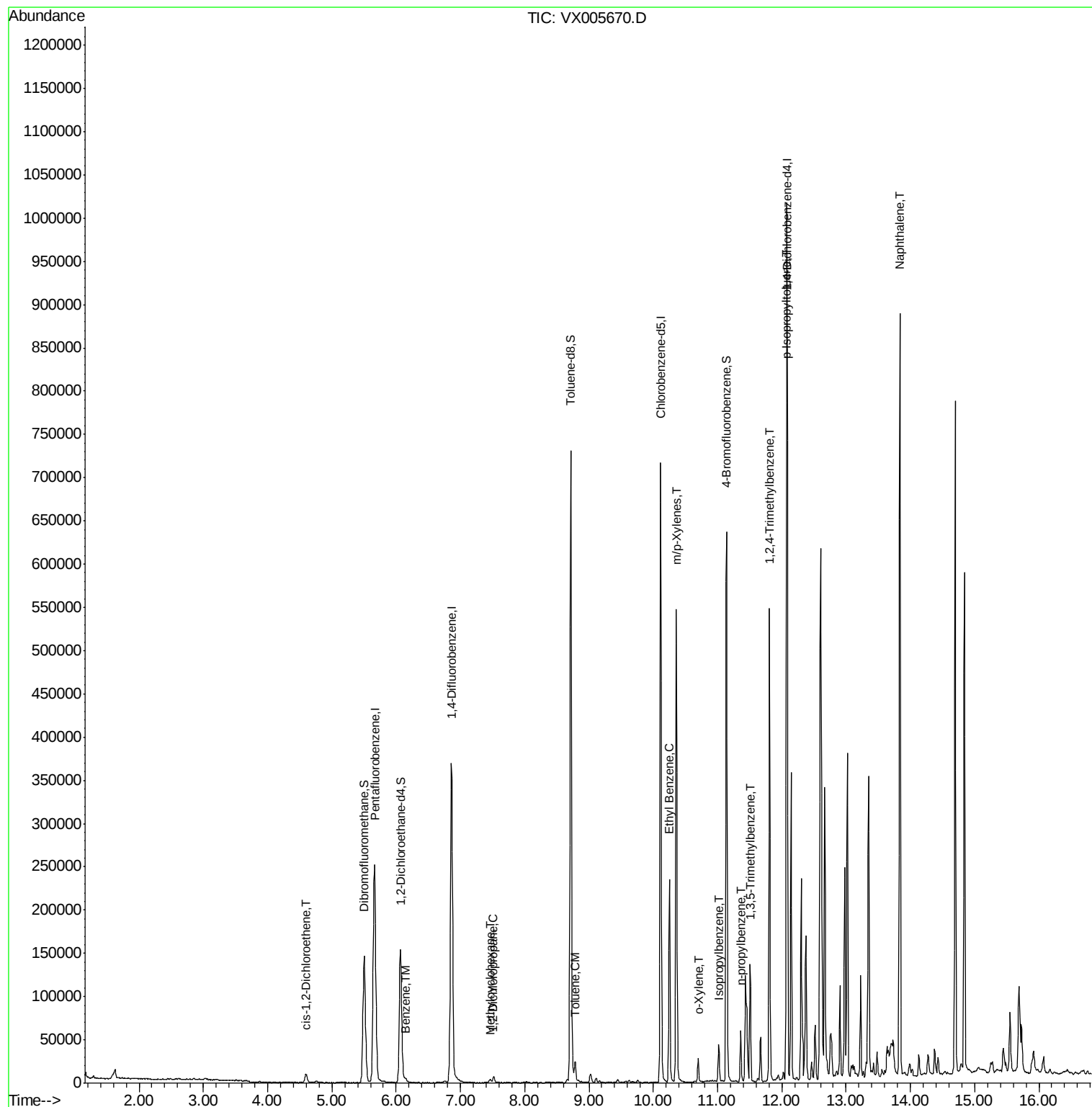
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102918\
Data File : VX005670.D
Acq On : 29 Oct 2018 19:37
Operator : JC/MD
Sample : J5690-04DL 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

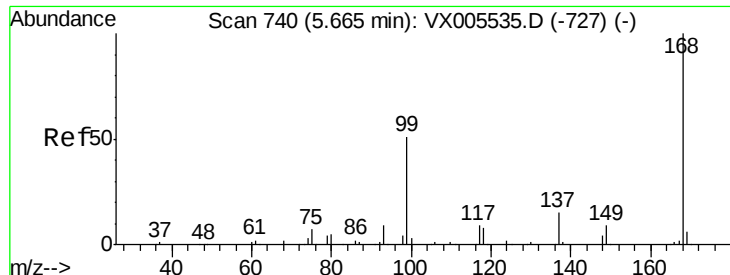
Instrument :
MSVOA_X
ClientSampleId :
MW-202DL

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Quant Time: Oct 30 04:11:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

ClientSampleID :

MW-202DL

Tot Ion:168 Resp: 261001

Ion Ratio Lower Upper

168 100

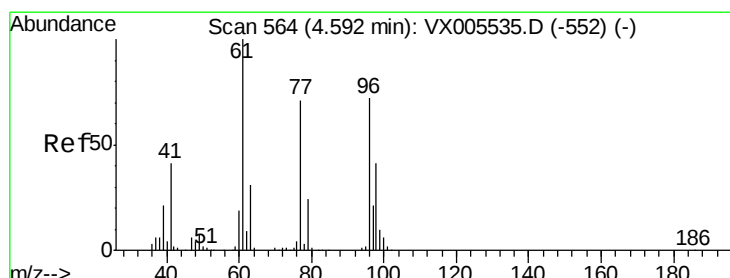
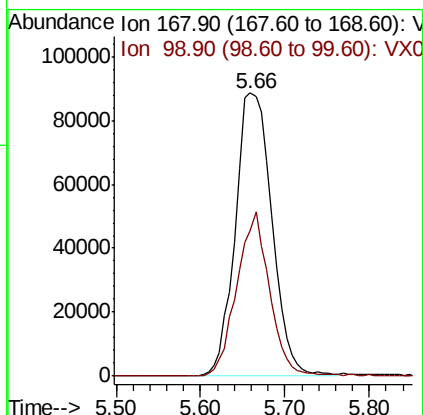
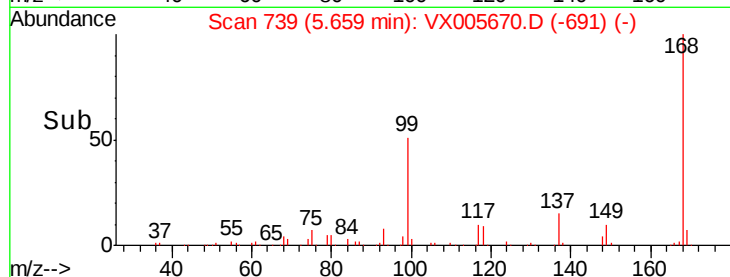
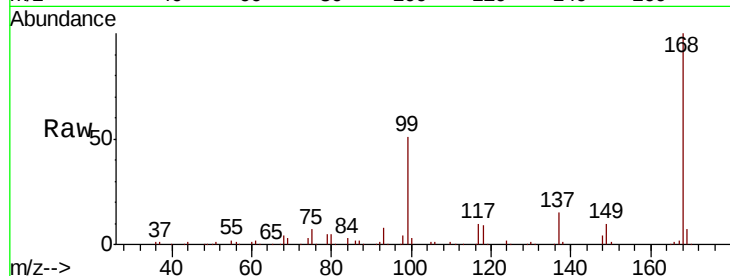
99 51.0 40.7 61.1

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 2.112 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

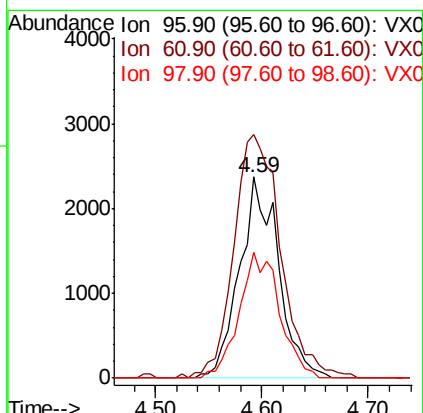
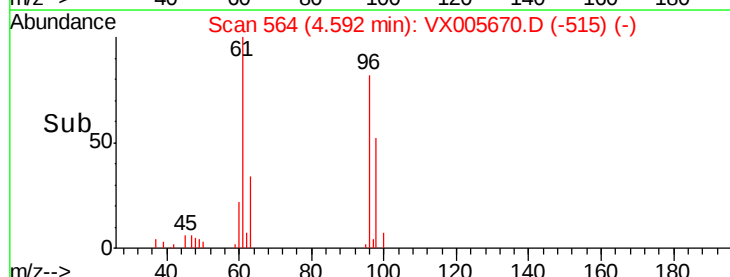
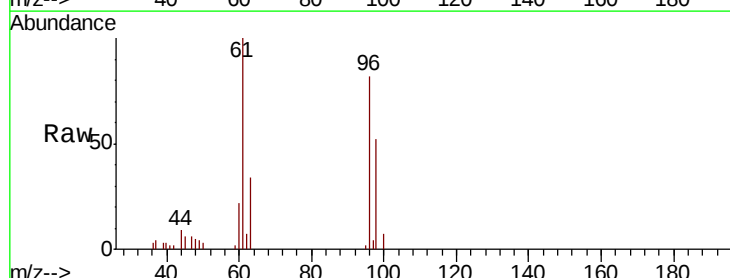
Tgt Ion: 96 Resp: 6091

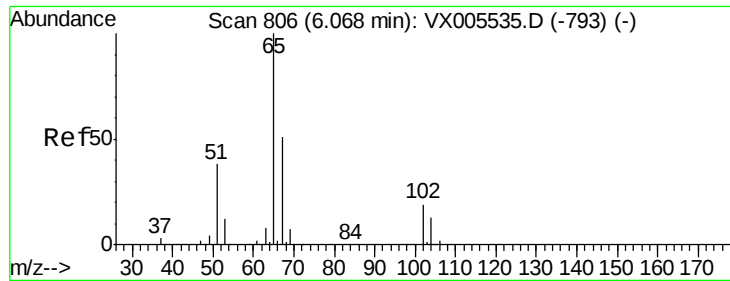
Ion Ratio Lower Upper

96 100

61 145.8 0.0 304.6

98 64.7 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 48.416 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

MW-202DL

Tot Ion: 65 Resp: 154253

Ion Ratio Lower Upper

65 100

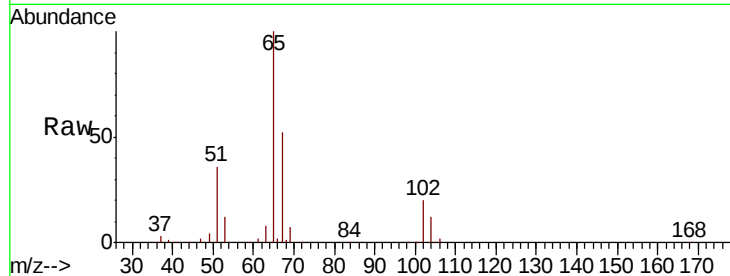
67 52.7 0.0 105.0

Manual Integrations

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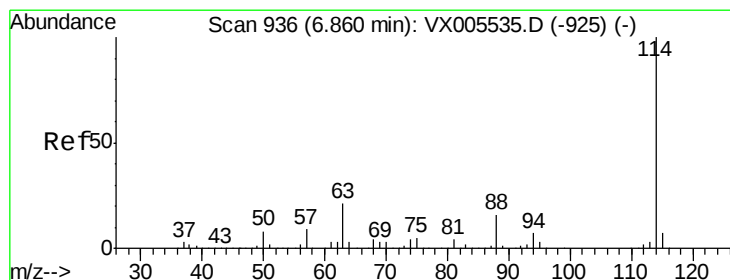
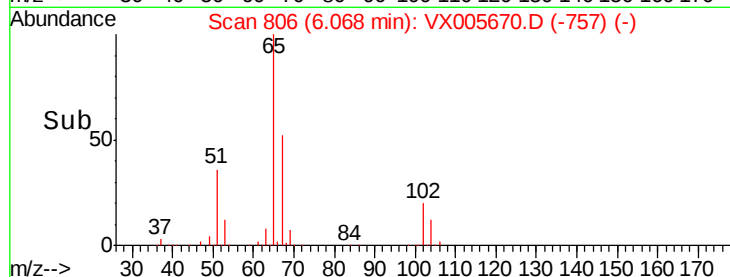
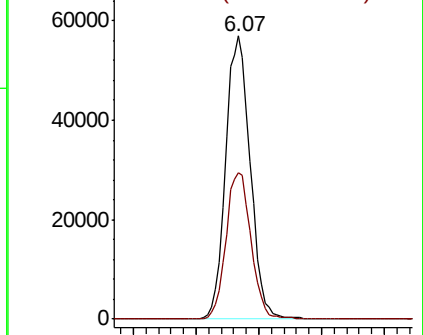
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

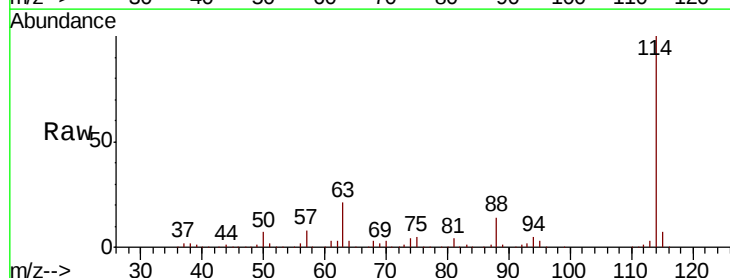
Tgt Ion: 114 Resp: 381499

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

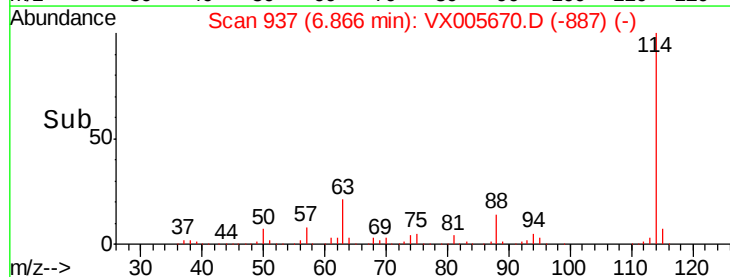
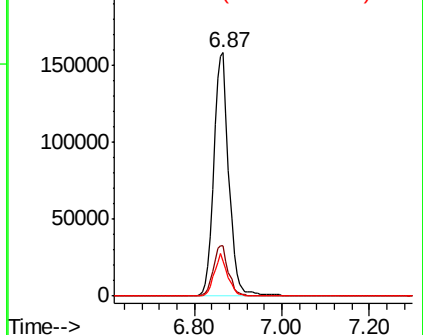
88 14.4 0.0 31.2

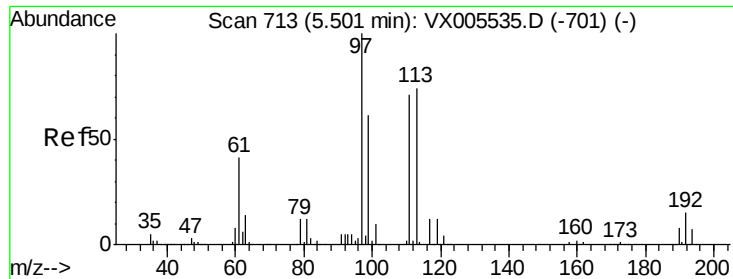


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





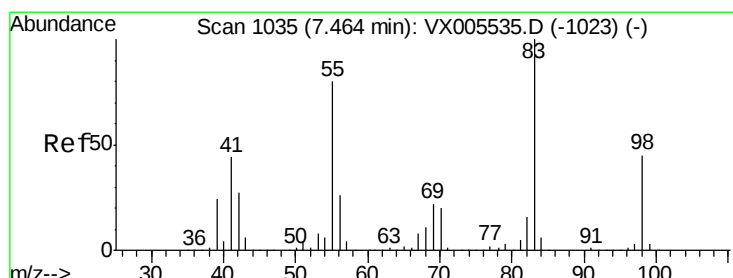
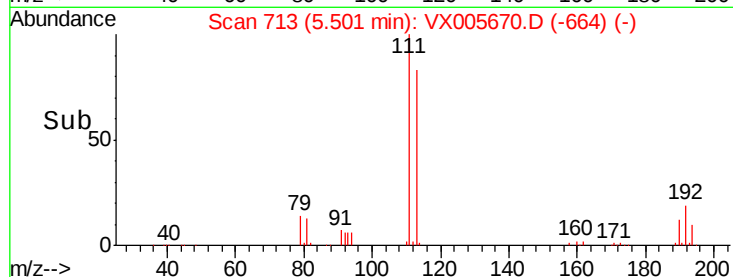
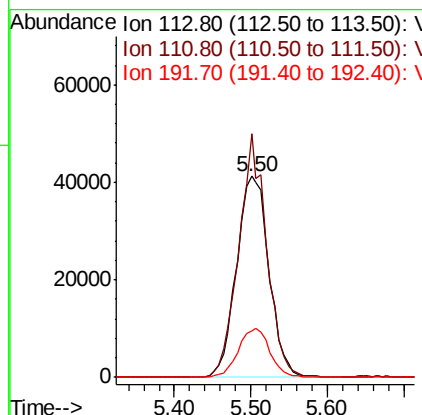
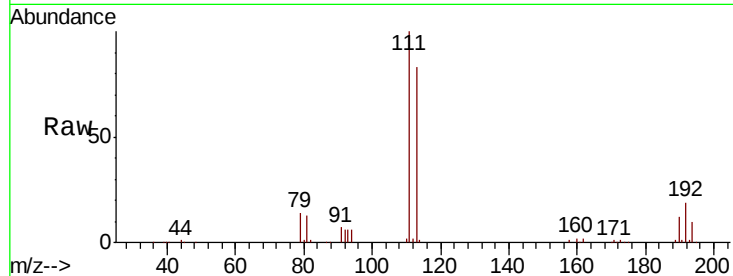
#35
Dibromofluoromethane
Concen: 46.841 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
MW-202DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	82.3	123.5	
192	23.6	17.9	26.9	

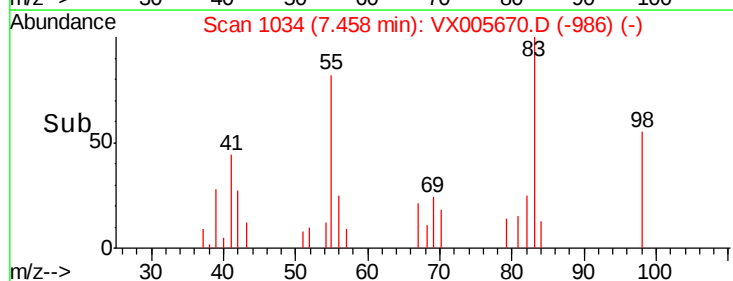
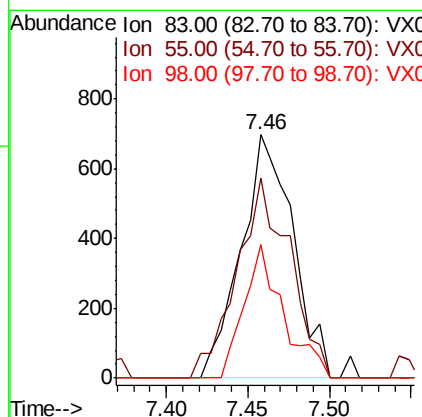
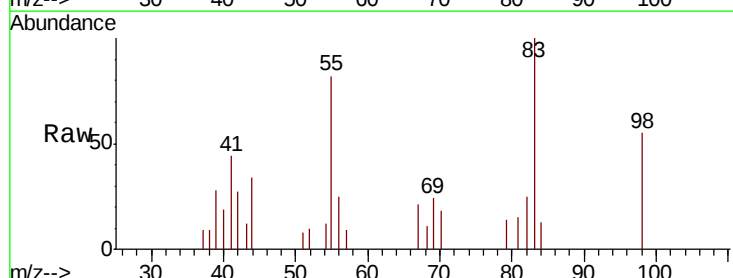
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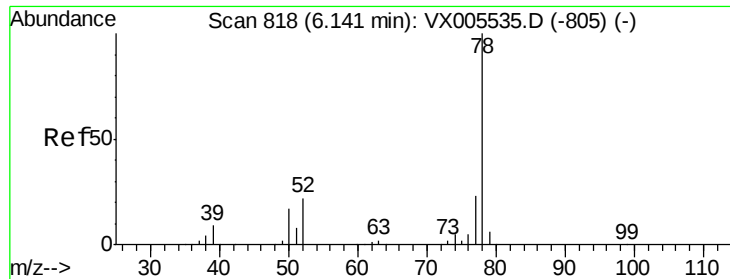
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#39
Methylcyclohexane
Concen: 0.378 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.4	63.7	95.5	
98	54.6	36.2	54.2	





#40

Benzene

Concen: 0.439 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

MW-202DL

Tot Ion: 78 Resp: 4655

Ion Ratio Lower Upper

78 100

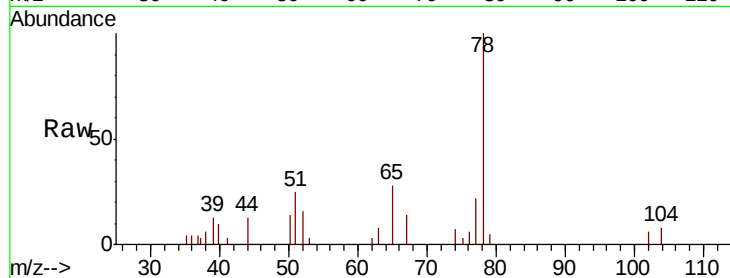
77 21.7 18.4 27.6

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

2000

1500

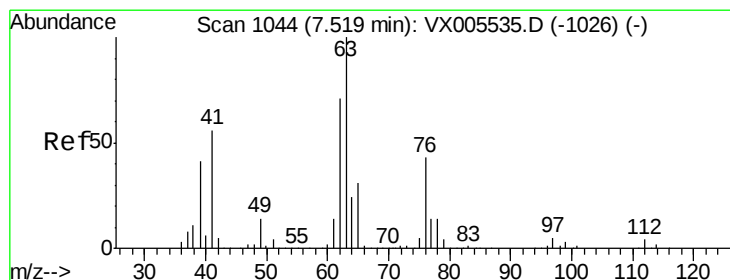
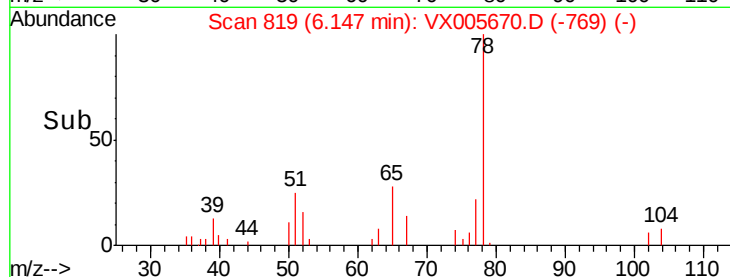
1000

500

0

6.05 6.10 6.15 6.20 6.25

Time-->



#45

1,2-Dichloropropane

Concen: 1.109 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005670.D

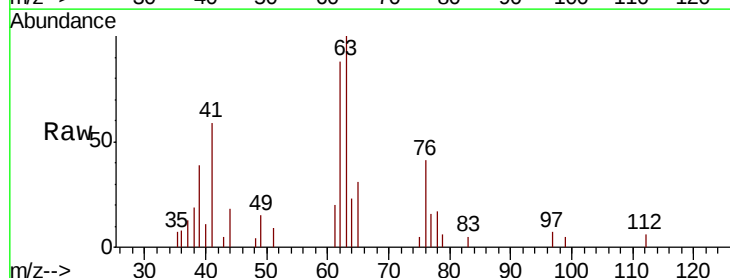
Acq: 29 Oct 2018 19:37

Tgt Ion: 63 Resp: 3165

Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

1500

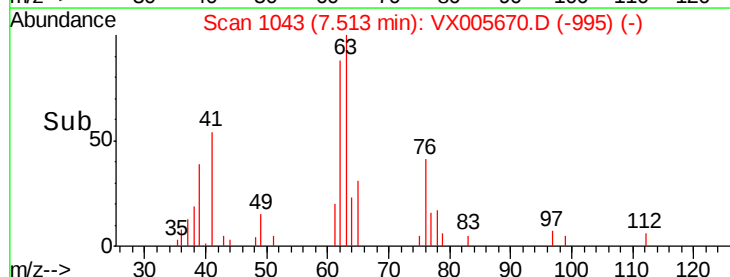
1000

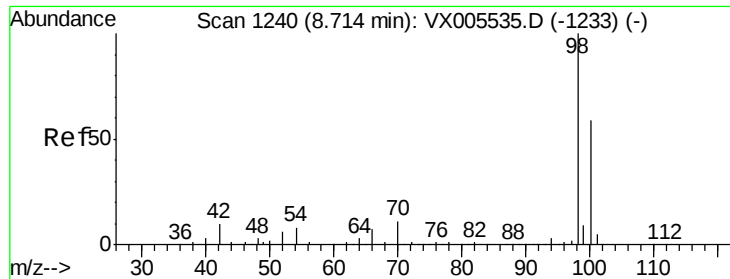
500

0

7.40 7.45 7.50 7.55 7.60

Time-->





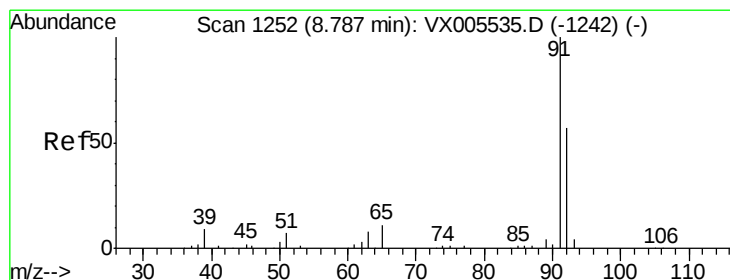
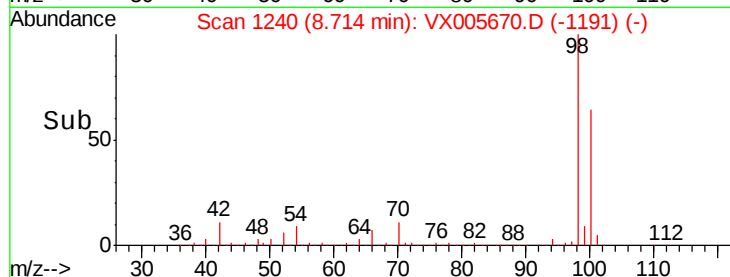
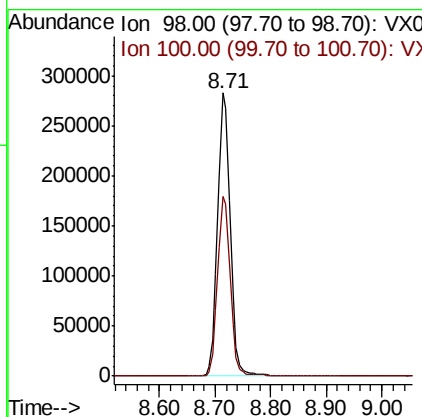
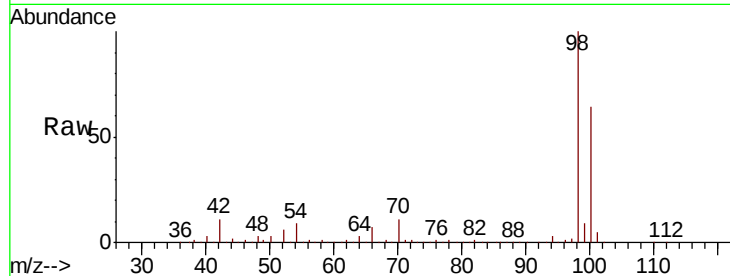
#50
Toluene-d8
Concen: 48.306 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
MW-202DL

Tot Ion: 98 Resp: 448370
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9

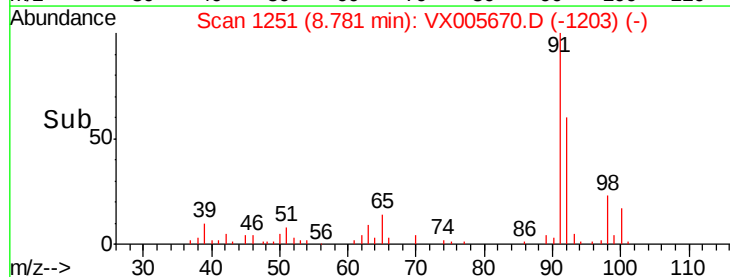
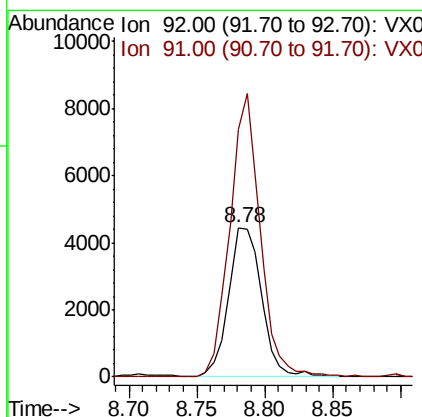
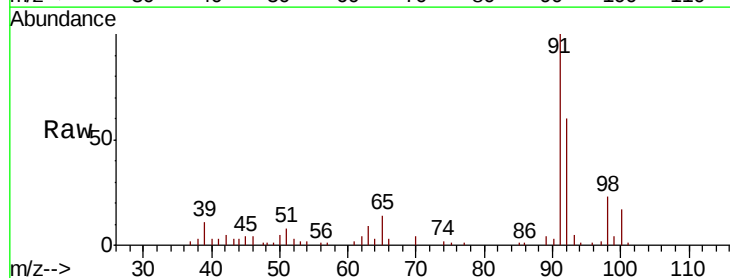
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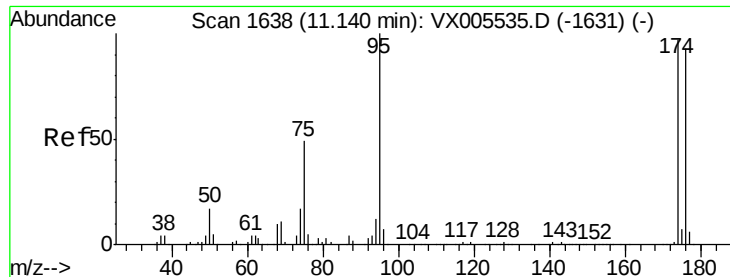
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#52
Toluene
Concen: 1.173 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Tgt Ion: 92 Resp: 7568
Ion Ratio Lower Upper
92 100
91 173.6 140.4 210.6





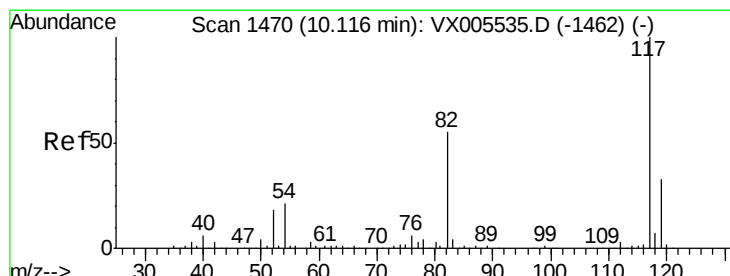
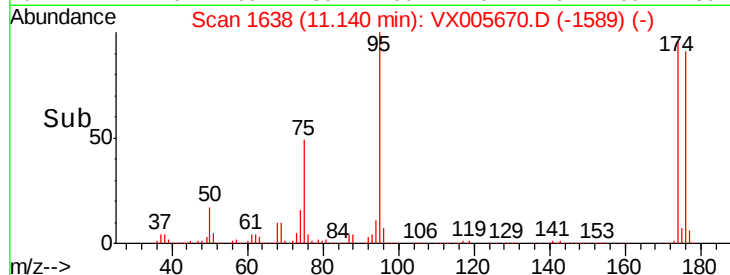
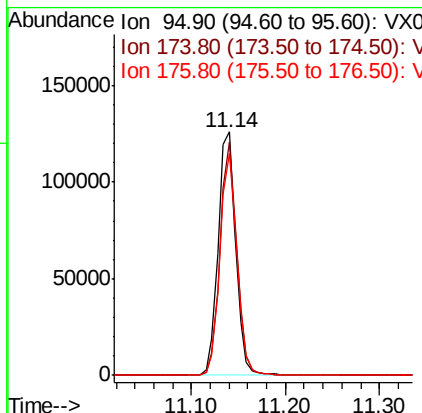
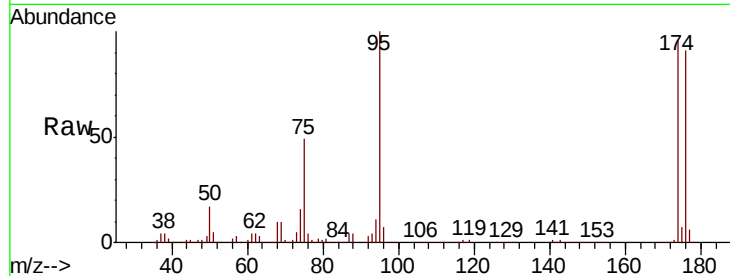
#62
4-Bromofluorobenzene
Concen: 46.752 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
MW-202DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	163881		
174	91.5	0.0	184.4	
176	88.0	0.0	177.4	

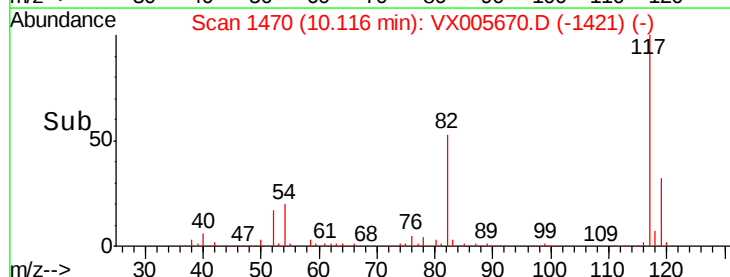
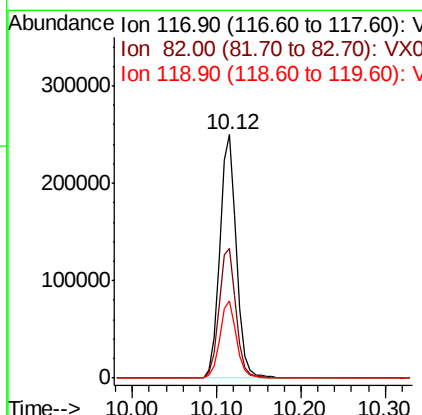
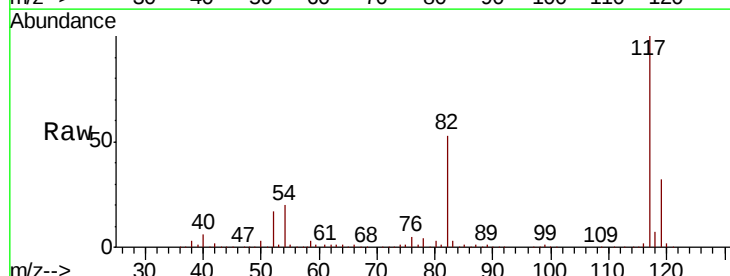
Manual Integrations
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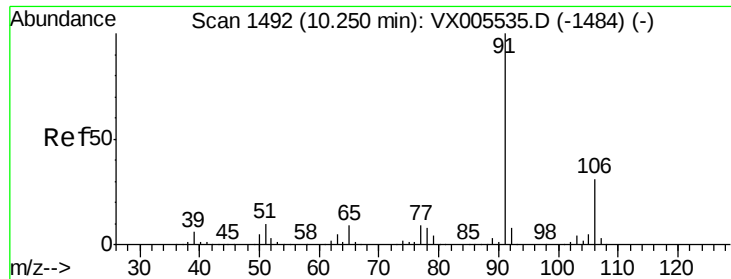
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	339838		
82	53.2	44.1	66.1	
119	32.0	26.2	39.2	





#67

Ethyl Benzene

Concen: 11.675 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

MW-202DL

Tot Ion: 91 Resp: 139011

Ion Ratio Lower Upper

91 100

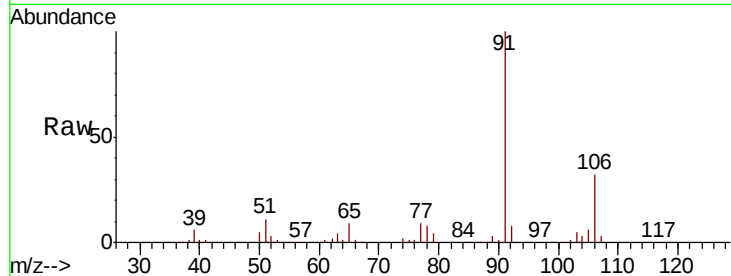
106 32.2 24.4 36.6

Manual Integrations

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10/30/2018 10:51:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX005535.D (-1484) (-)

200000

150000

100000

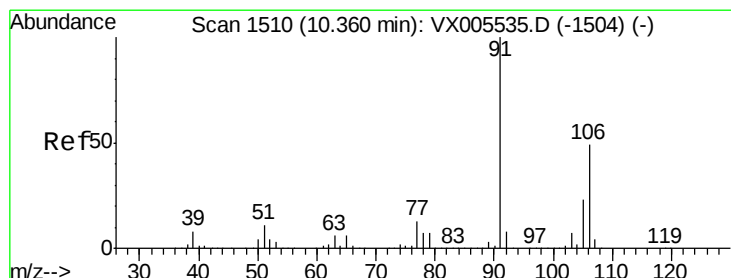
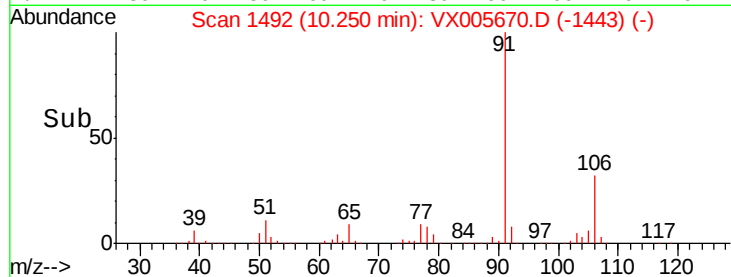
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 27.987 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005670.D

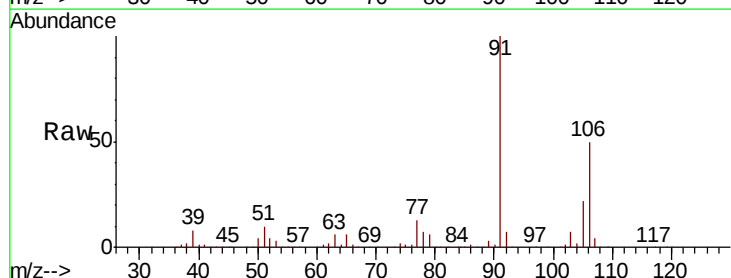
Acq: 29 Oct 2018 19:37

Tgt Ion: 106 Resp: 129281

Ion Ratio Lower Upper

106 100

91 204.3 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005535.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005535.D (-1504) (-)

200000

150000

100000

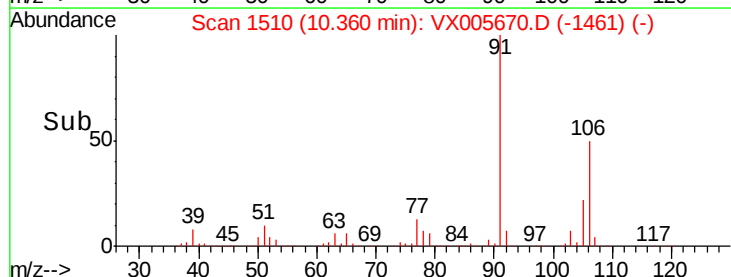
50000

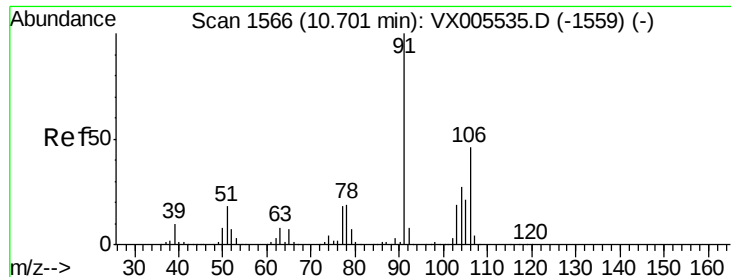
0

10.30

10.40

Time-->





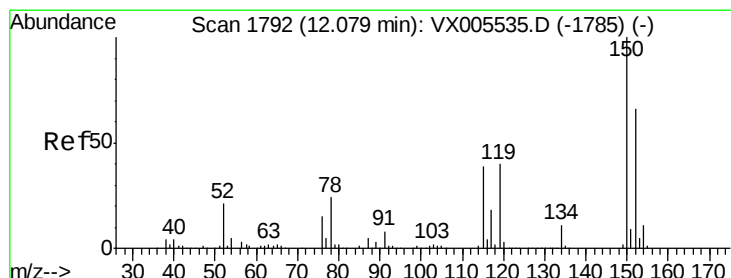
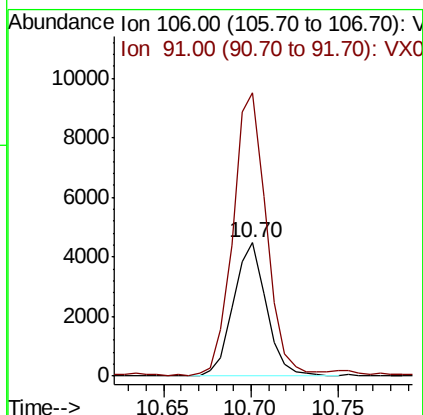
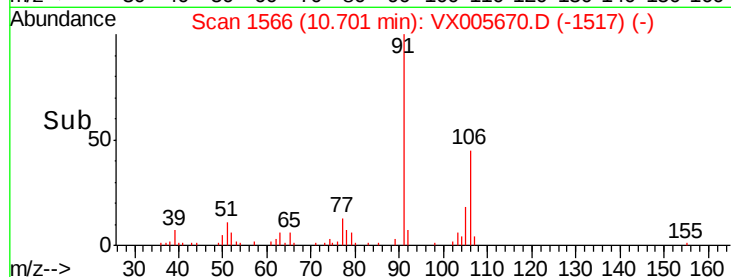
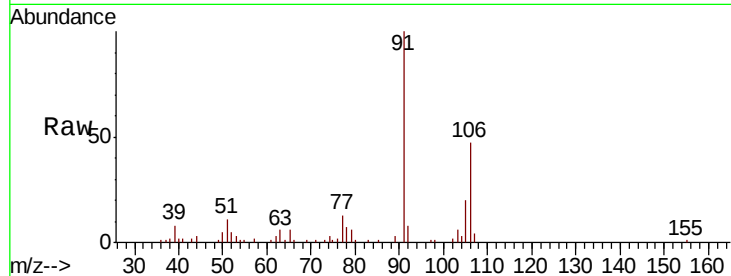
#69
o-Xylene
Concen: 1.349 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Instrument :
MSVOA_X
ClientSampled :
MW-202DL

Tot Ion:106 Resp: 5861
Ion Ratio Lower Upper
106 100
91 216.3 108.5 325.5

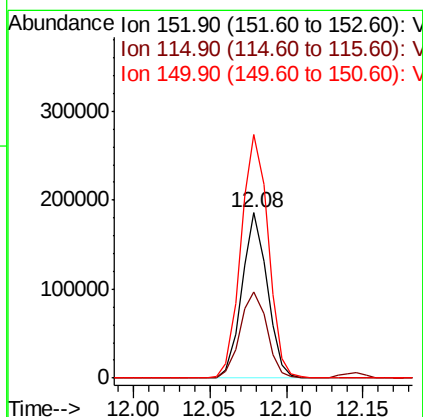
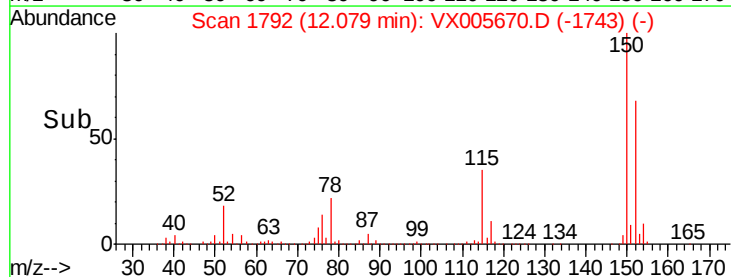
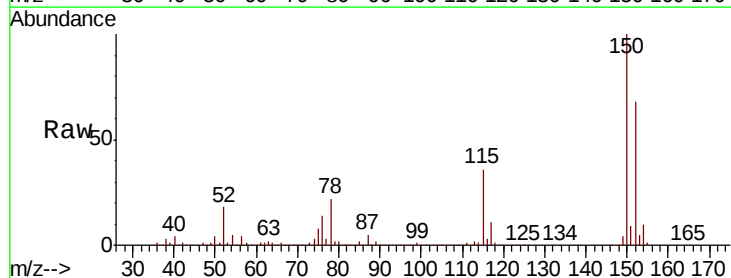
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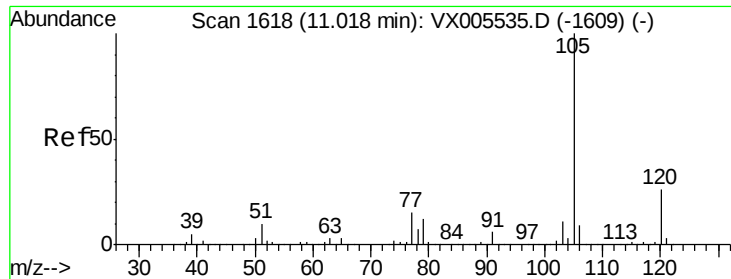
MMDadoda
10/30/2018 10:51:02 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005670.D
Acq: 29 Oct 2018 19:37

Tgt Ion:152 Resp: 213668
Ion Ratio Lower Upper
152 100
115 55.3 39.4 118.1
150 158.3 0.0 346.4





#73

Isopropylbenzene

Concen: 1.549 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

MW-202DL

Tot Ion: 105 Resp: 20234

Ion Ratio Lower Upper

105 100

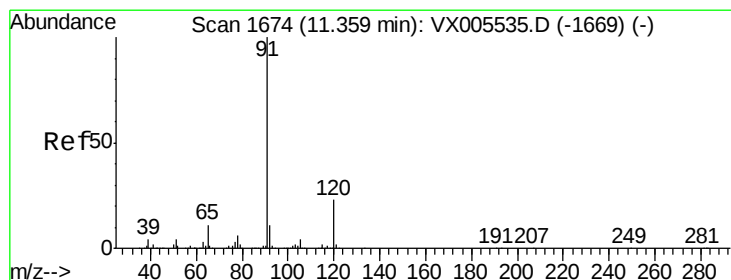
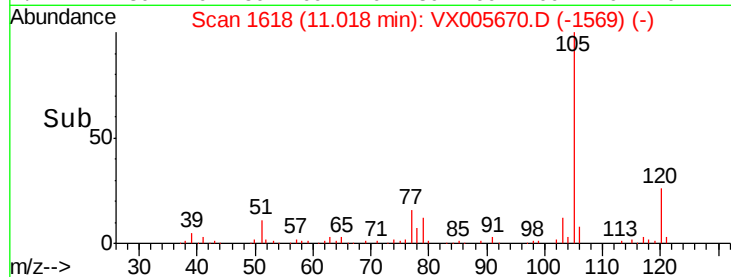
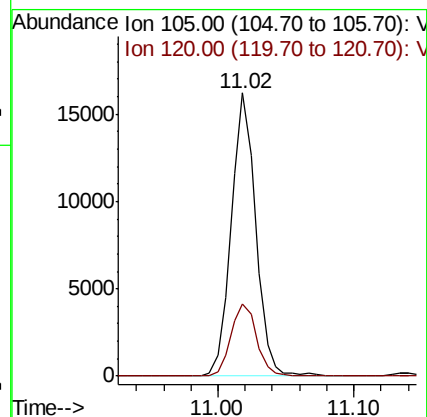
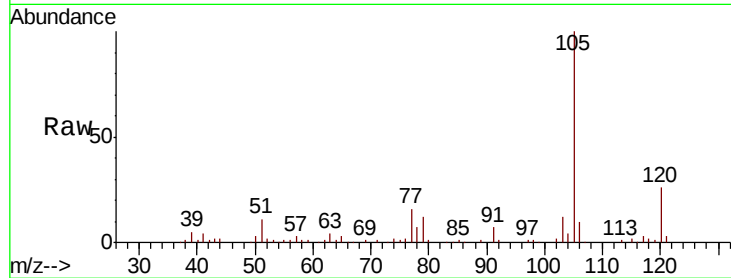
120 26.9 13.1 39.3

Manual Integrations

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#78

n-propylbenzene

Concen: 2.399 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005670.D

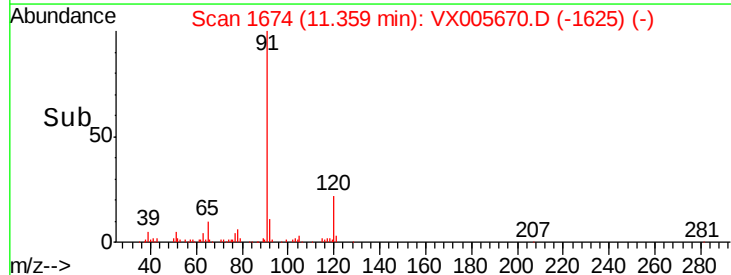
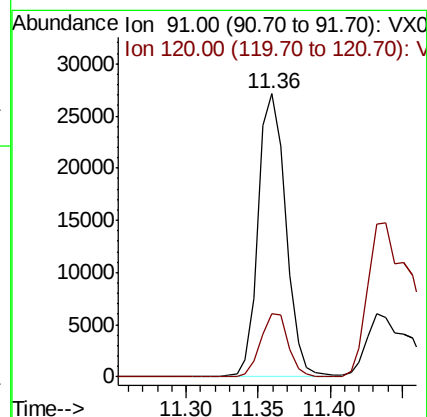
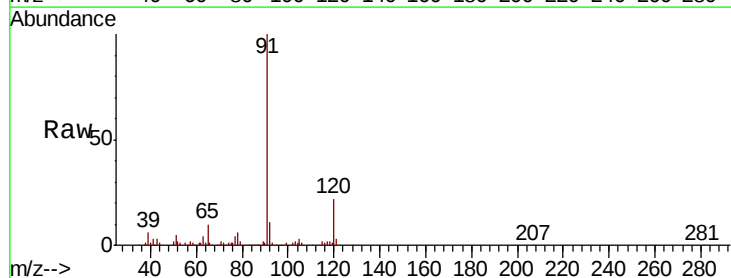
Acq: 29 Oct 2018 19:37

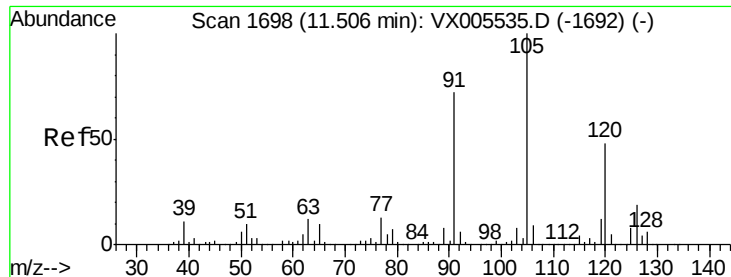
Tgt Ion: 91 Resp: 35822

Ion Ratio Lower Upper

91 100

120 22.3 11.9 35.5





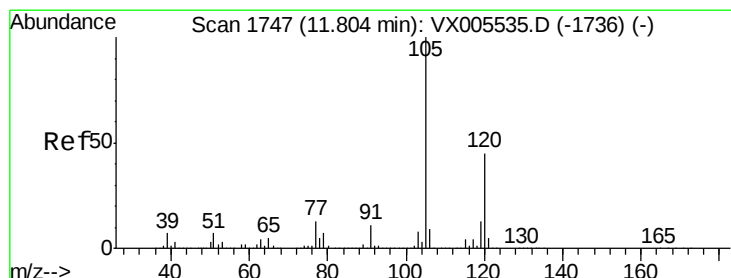
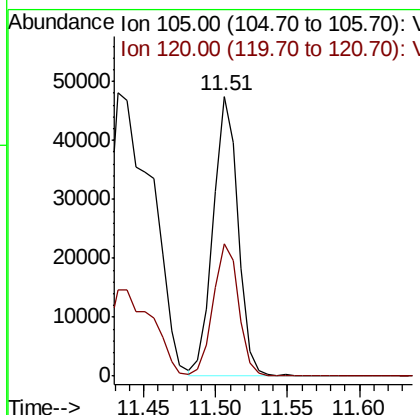
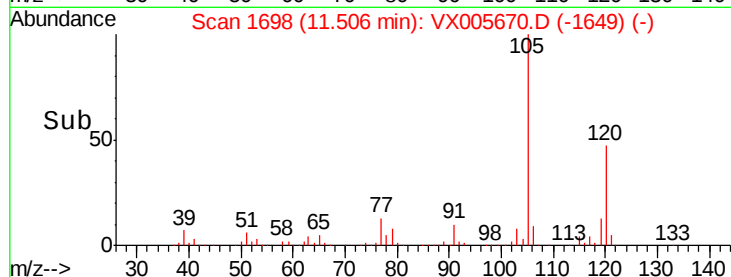
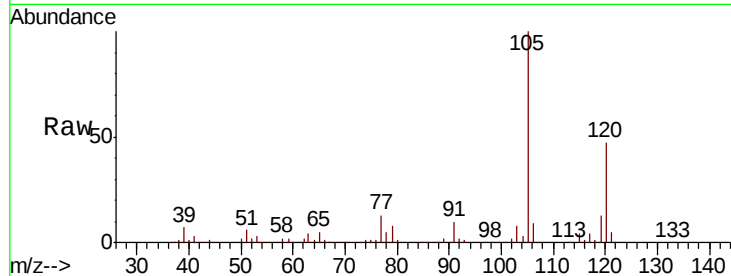
#80
 1,3,5-Trimethylbenzene
 Concen: 5.113 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005670.D
 Acq: 29 Oct 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-202DL

Tot Ion:105 Resp: 57130
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

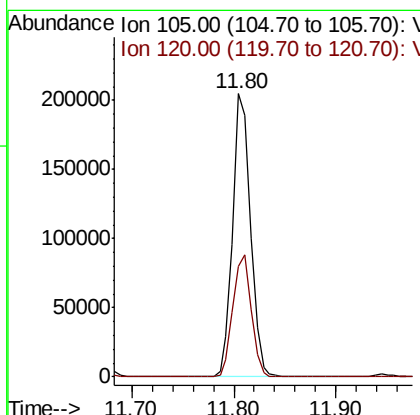
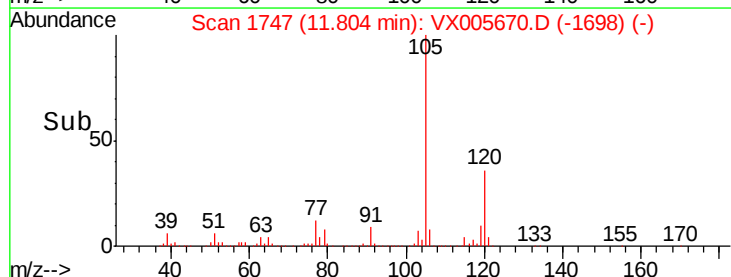
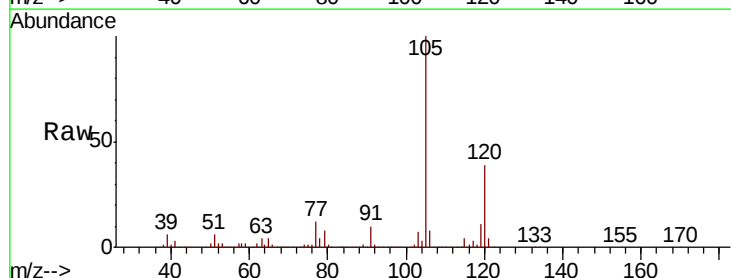
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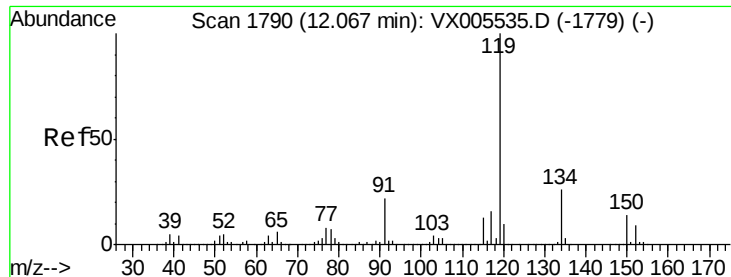
MMDadoda
 10/30/2018 10:51:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.710 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005670.D
 Acq: 29 Oct 2018 19:37

Tgt Ion:105 Resp: 245837
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.0





#86

p-Isopropyltoluene

Concen: 0.290 ug/l m

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Instrument :

MSVOA_X

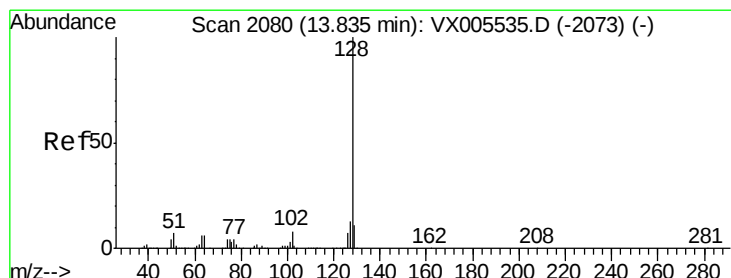
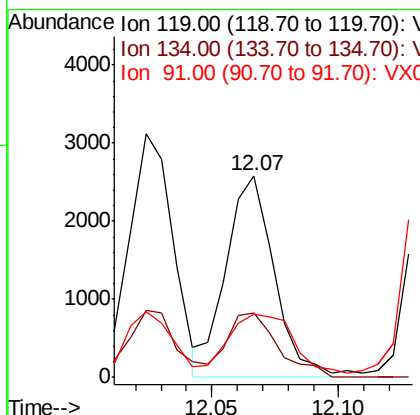
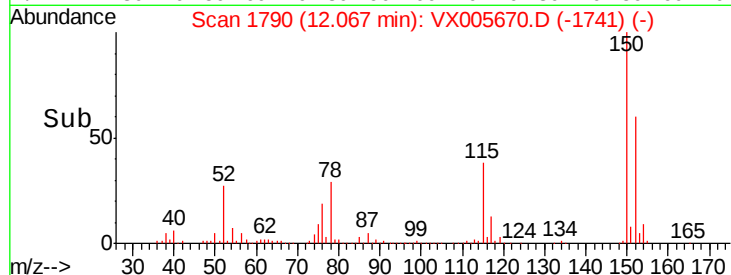
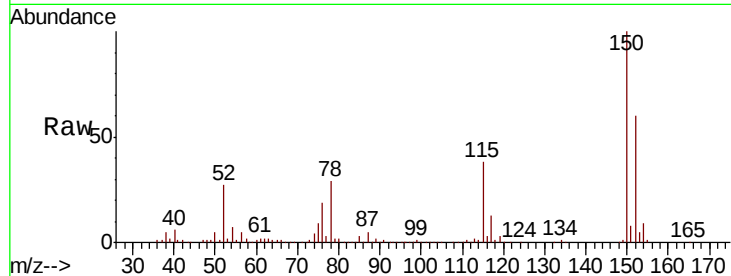
ClientSampleId :

MW-202DL

Tot Ion:	119	Resp:	3440
Ion Ratio	Lower	Upper	
119	100		
134	33.2	13.0	39.0
91	27.6	11.4	34.2

Manual Integrations
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#95

Naphthalene

Concen: 36.431 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005670.D

Acq: 29 Oct 2018 19:37

Tgt Ion:	128	Resp:	531615
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

