

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003999.D
 Acq On : 13 Aug 2018 14:48
 Operator : JC/MD
 Sample : J4429-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0547

Manual Integrations
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MMDadoda
 8/14/2018 12:55:55 PM

Quant Time: Aug 14 05:02:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	514835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	469134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	303325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	223830	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.51	113	186448	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	750661	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.14	95	275747	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	2997575	457.08	ug/l	99
39) Methylcyclohexane	7.46	83	1535700	225.89	ug/l	99
40) Benzene	6.15	78	38288	2.21	ug/l	98
52) Toluene	8.79	92	689747	63.05	ug/l	100
67) Ethyl Benzene	10.26	91	12240437	612.56	ug/l #	85
68) m/p-Xylenes	10.37	106	15830201	2027.45	ug/l #	48
69) o-Xylene	10.70	106	3257123	441.91	ug/l	97
73) Isopropylbenzene	11.02	105	1191555	53.10	ug/l	95
78) n-propylbenzene	11.36	91	1345402	53.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1989819	108.75	ug/l	97
83) tert-Butylbenzene	11.77	119	12816m	0.71	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	6091101	331.08	ug/l	95
85) sec-Butylbenzene	11.94	105	111626m	5.25	ug/l	
86) p-Isopropyltoluene	12.07	119	114101	5.99	ug/l	98
95) Naphthalene	13.83	128	2071495	91.69	ug/l	100

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

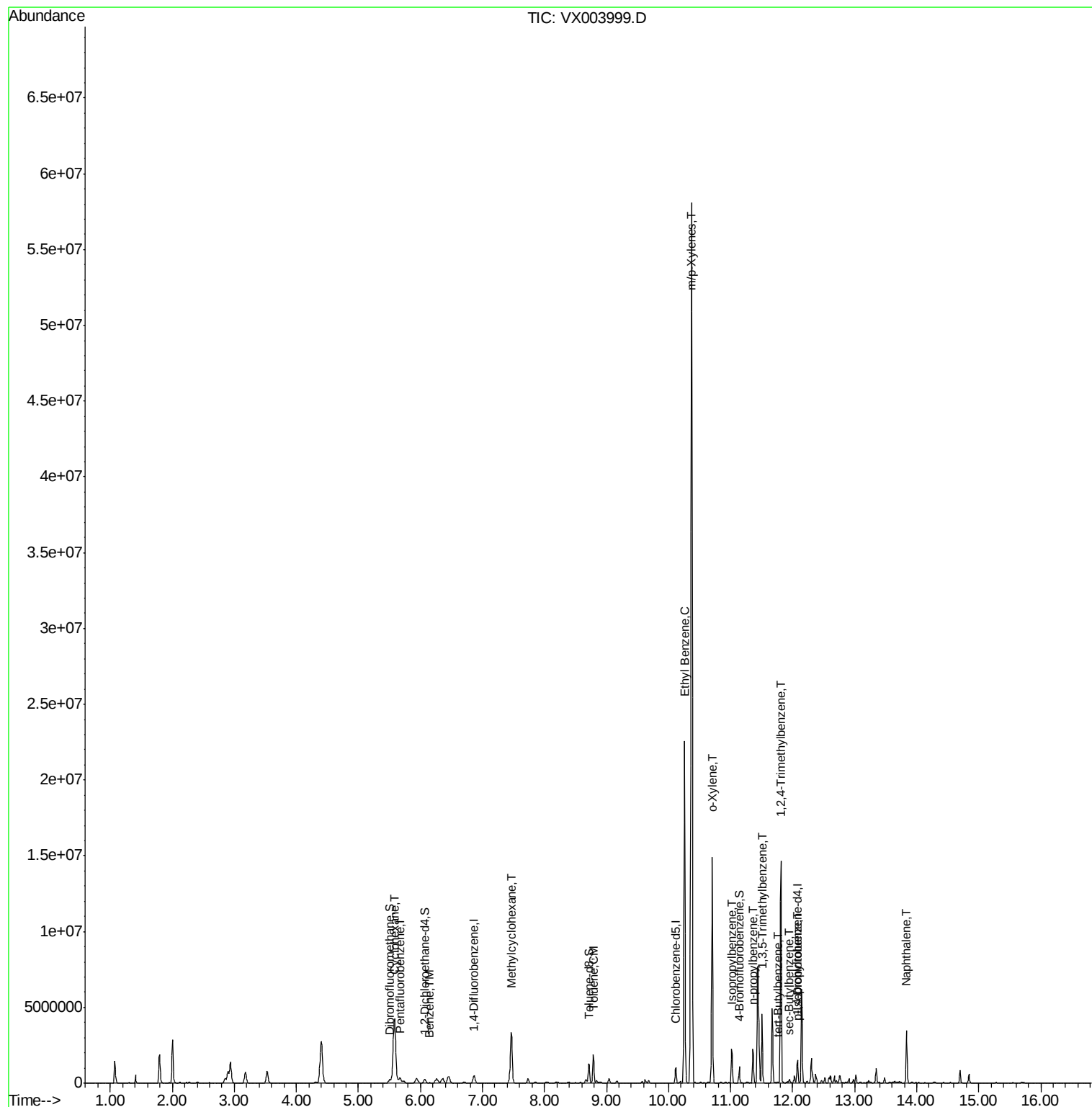
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081318\
Data File : VX003999.D
Acq On : 13 Aug 2018 14:48
Operator : JC/MD
Sample : J4429-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

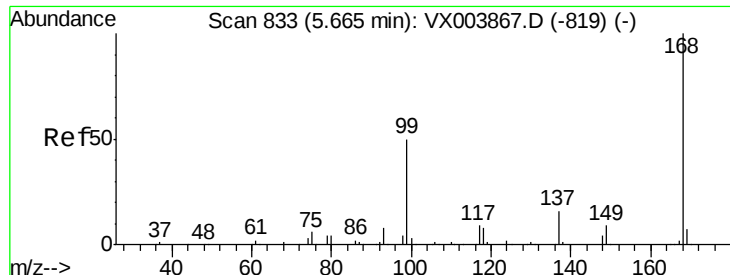
Instrument :
MSVOA_X
ClientSampleId :
FL-0547

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Quant Time: Aug 14 05:02:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampled :

FL-0547

Tot Ion:168 Resp: 343258

Ion Ratio Lower Upper

168 100

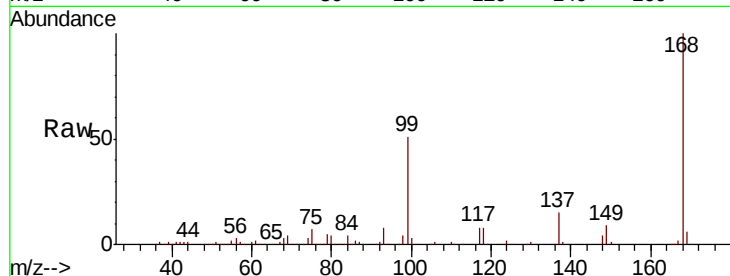
99 51.3 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

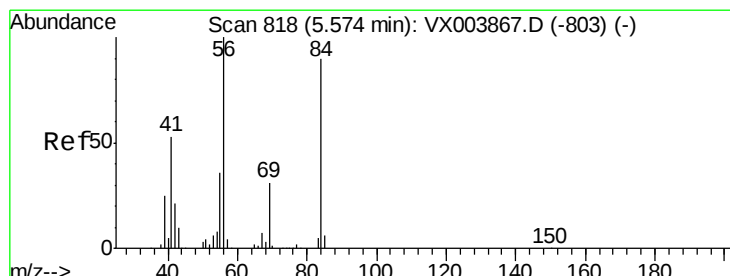
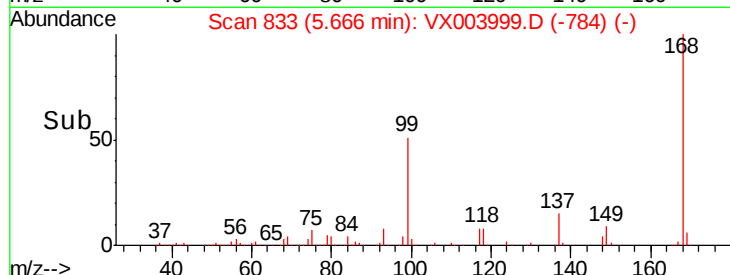
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#31

Cyclohexane

Concen: 457.08 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

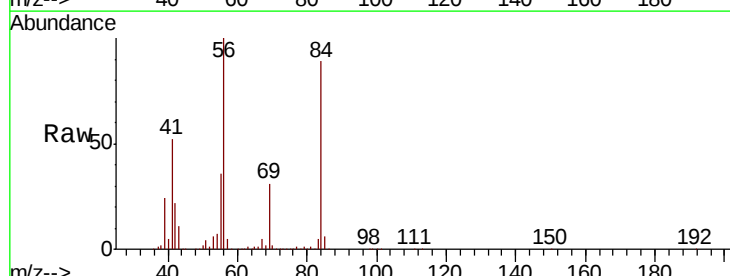
Tgt Ion: 56 Resp: 2997575

Ion Ratio Lower Upper

56 100

69 31.0 24.9 37.3

84 88.7 71.7 107.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.58

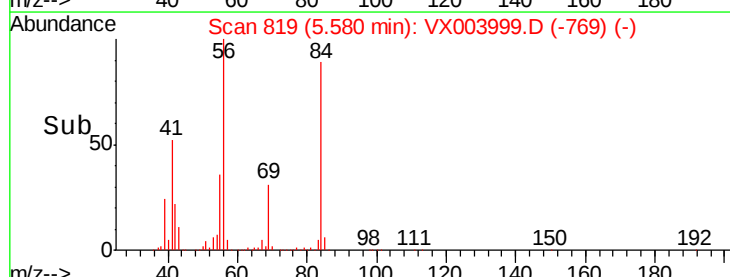
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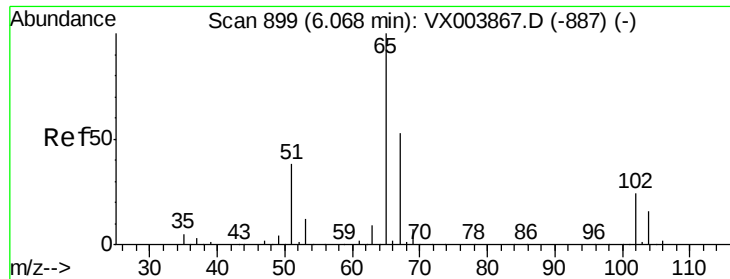
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Time-->

5.40 5.50 5.60 5.70





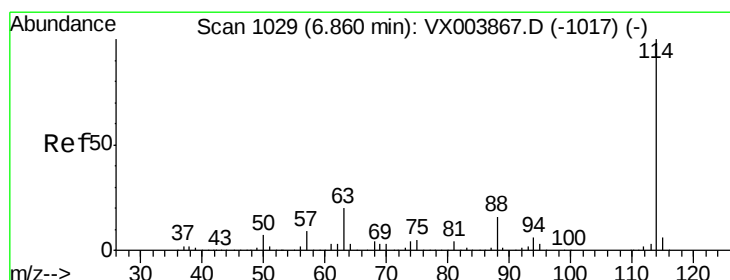
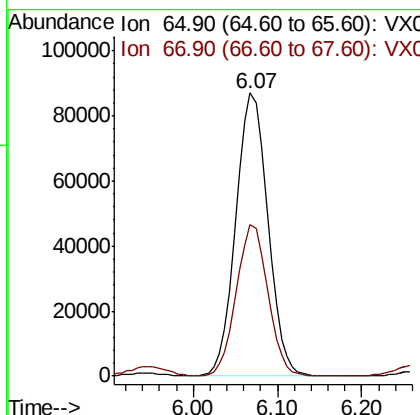
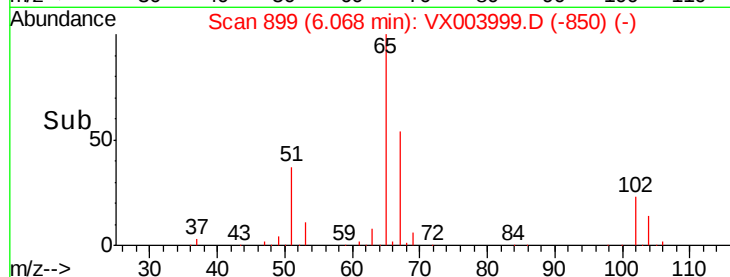
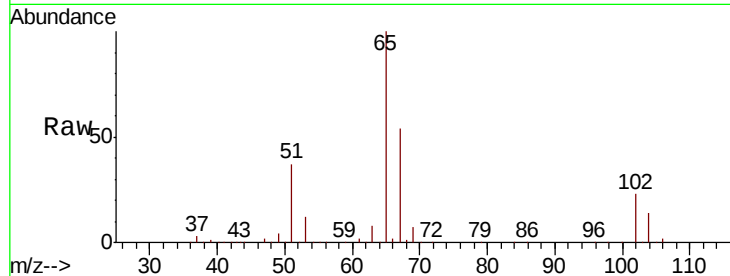
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 1,2-Dichloroethane-d4
 Concen: 49.19 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003999.D
 Acq: 13 Aug 2018 14:48

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0547

Tot Ion	Ratio	Resp	Lower	Upper
65	100	223830		
67	52.7	0.0	105.8	

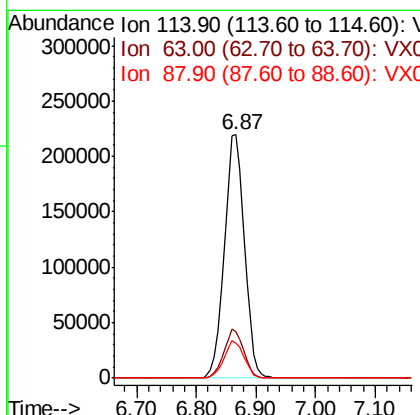
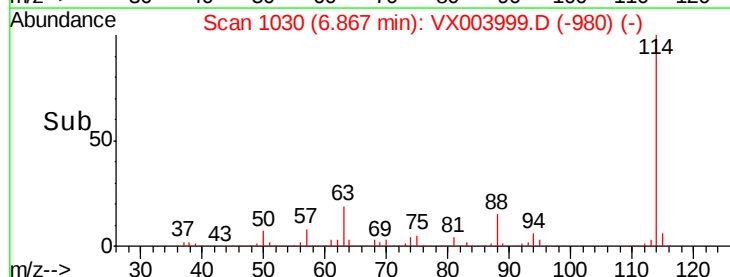
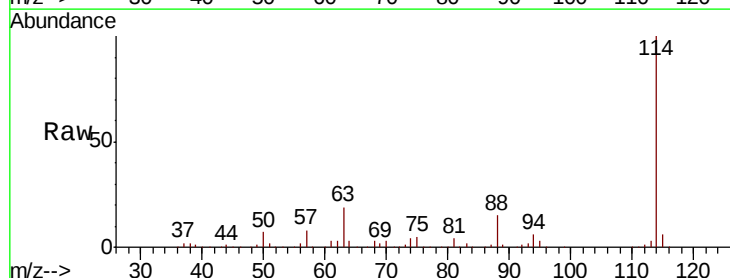
Manual Integrations
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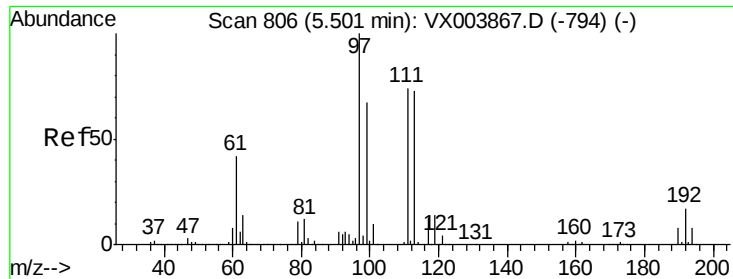
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003999.D
 Acq: 13 Aug 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514835		
63	19.4	0.0	39.0	
88	14.6	0.0	32.0	





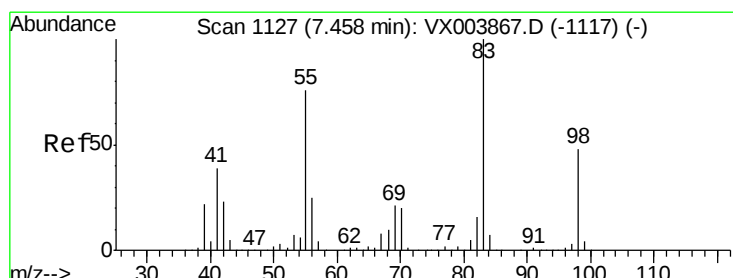
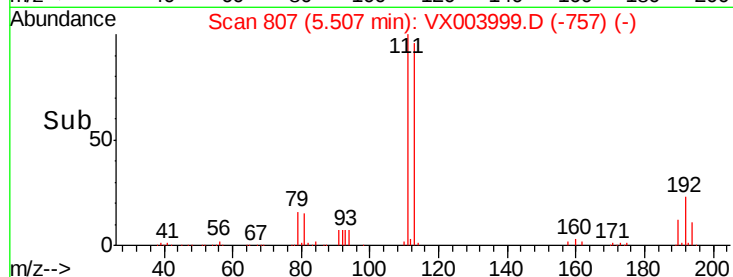
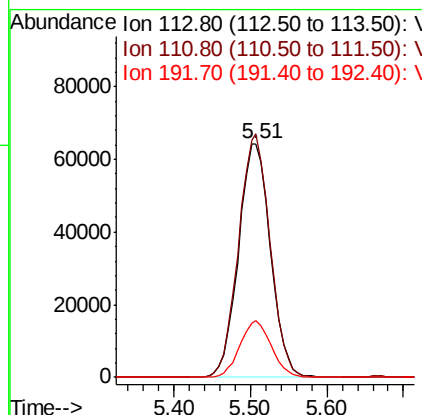
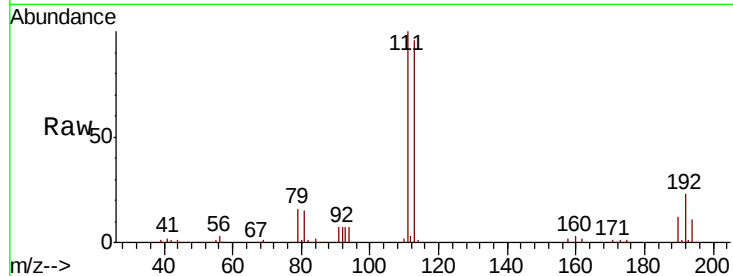
#35
Dibromofluoromethane
Concen: 47.80 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Instrument :
MSVOA_X
ClientSampled :
FL-0547

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186448		
111	102.7	82.0	123.0	
192	23.8	19.0	28.4	

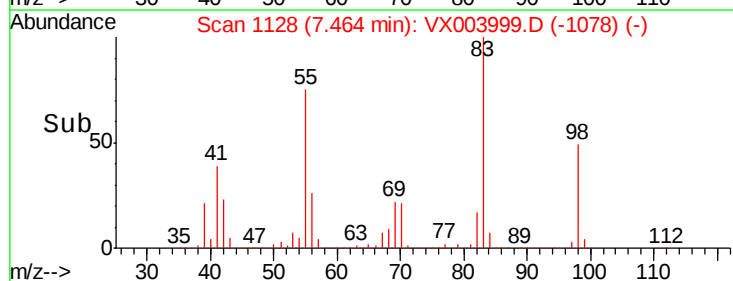
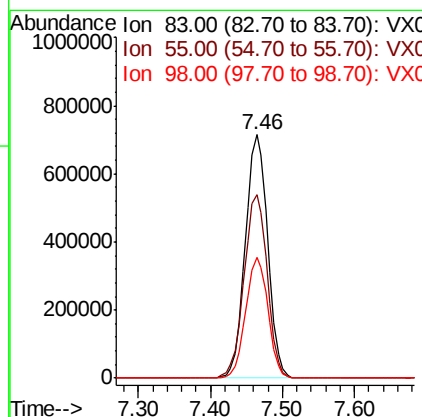
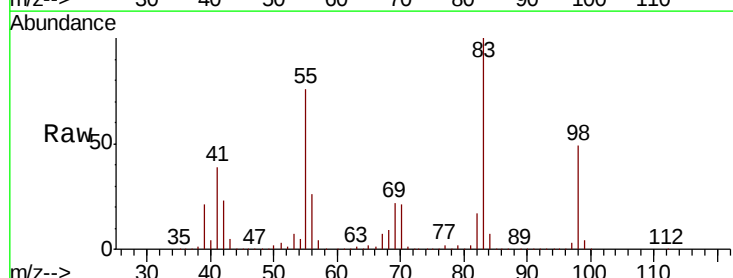
Manual Integrations
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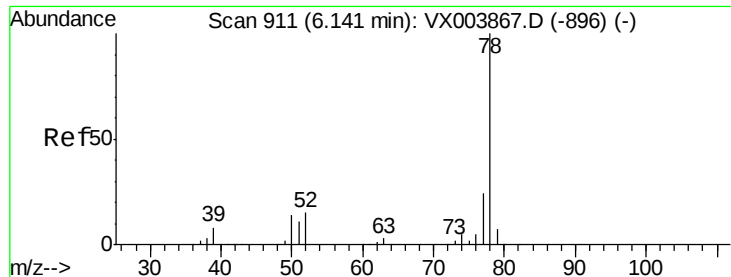
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#39
Methylcyclohexane
Concen: 225.89 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1535700		
55	75.5	61.0	91.6	
98	49.5	38.6	57.8	





#40

Benzene

Concen: 2.21 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0547

Tot Ion: 78 Resp: 38288

Ion Ratio Lower Upper

78 100

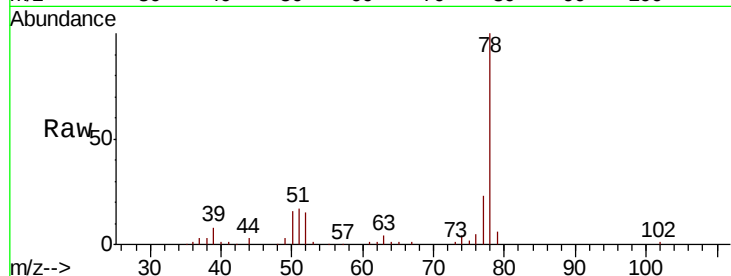
77 22.5 19.0 28.4

Manual Integrations

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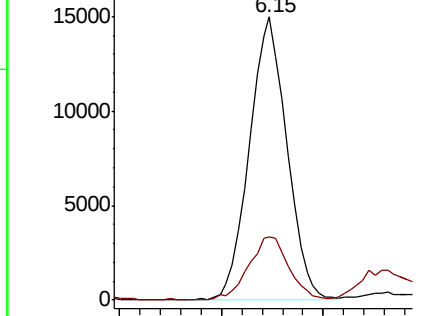
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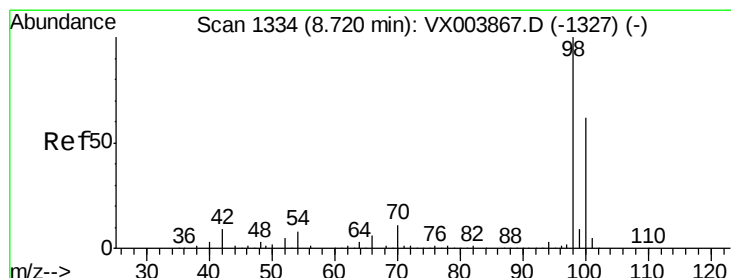
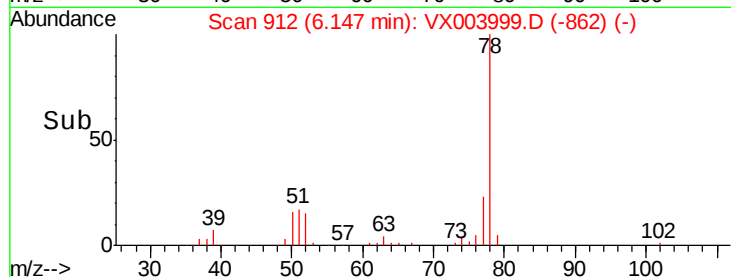


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.49 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003999.D

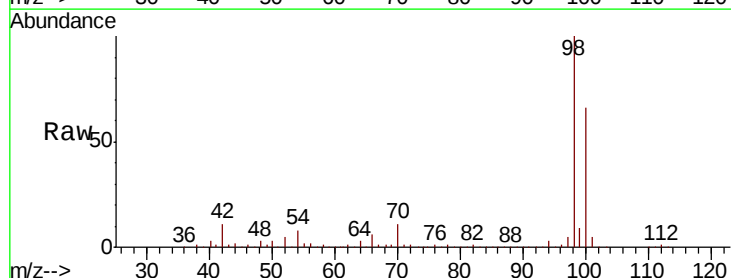
Acq: 13 Aug 2018 14:48

Tgt Ion: 98 Resp: 750661

Ion Ratio Lower Upper

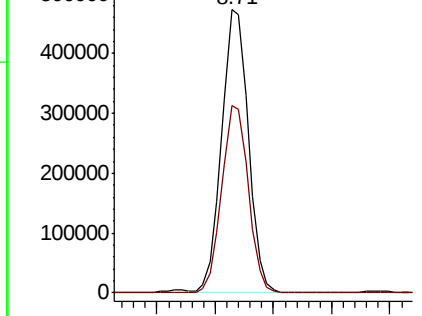
98 100

100 65.9 53.3 79.9

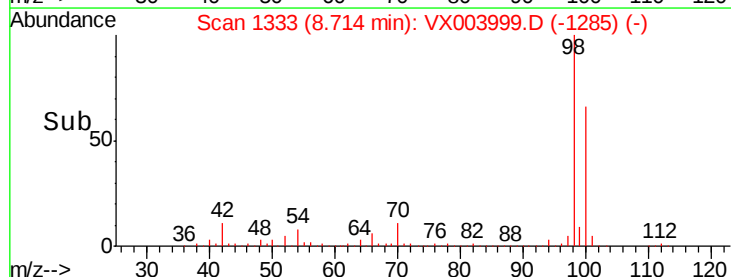


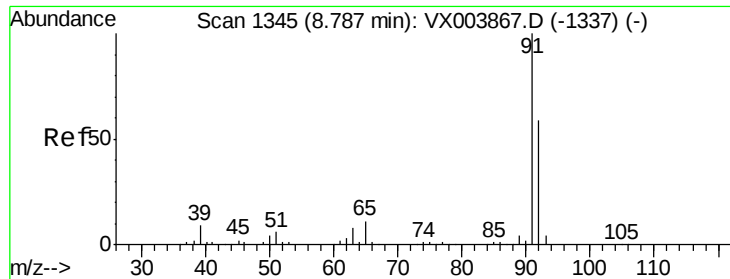
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#52

Toluene

Concen: 63.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampled :

FL-0547

Tot Ion: 92 Resp: 689747

Ion Ratio Lower Upper

92 100

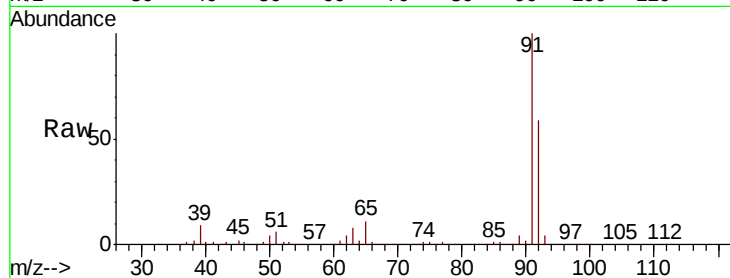
91 169.5 136.1 204.1

Manual Integrations

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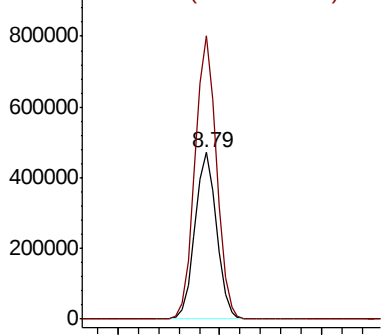
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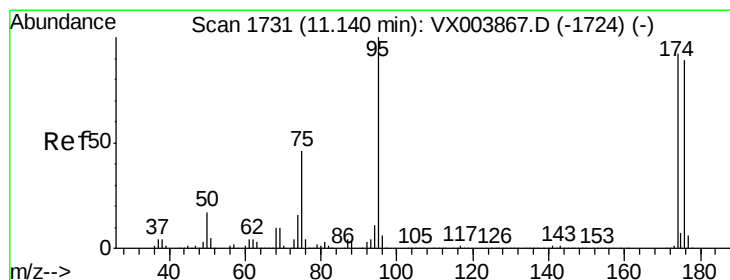
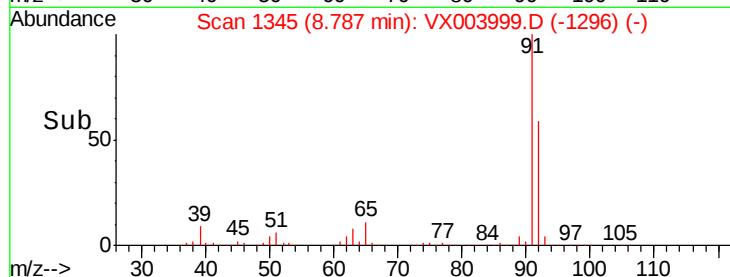


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 56.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

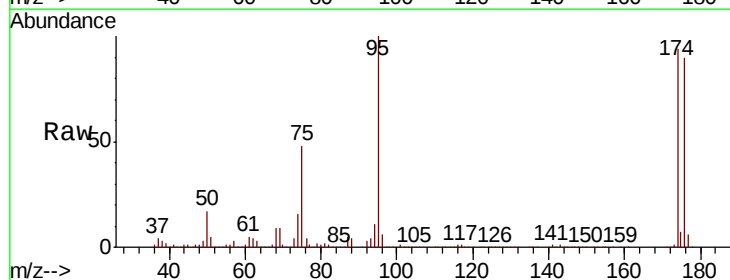
Tgt Ion: 95 Resp: 275747

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

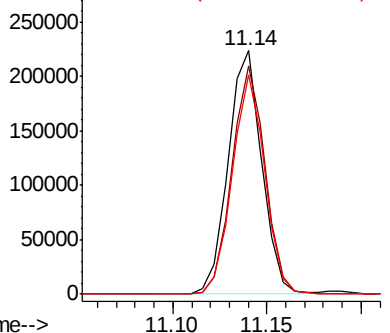
176 87.6 0.0 179.0



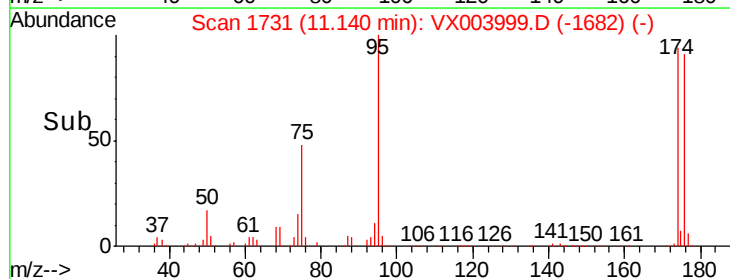
Abundance Ion 94.90 (94.60 to 95.60): VX0

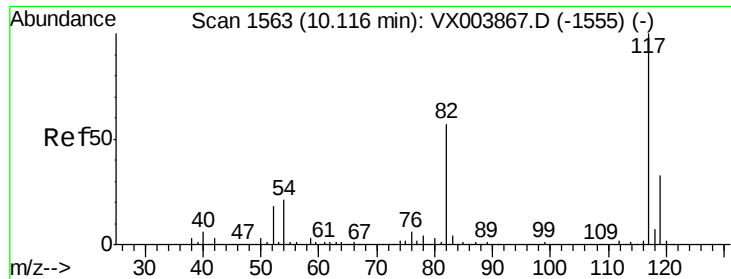
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





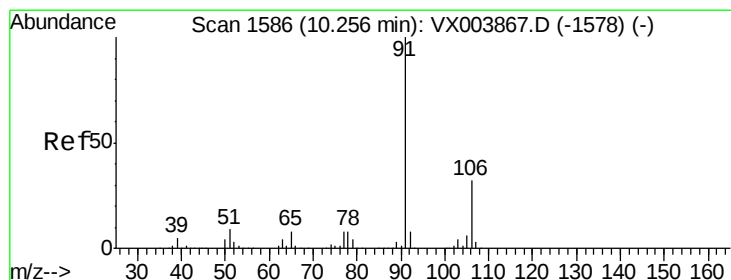
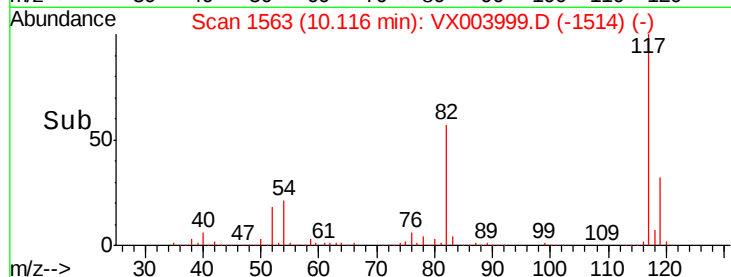
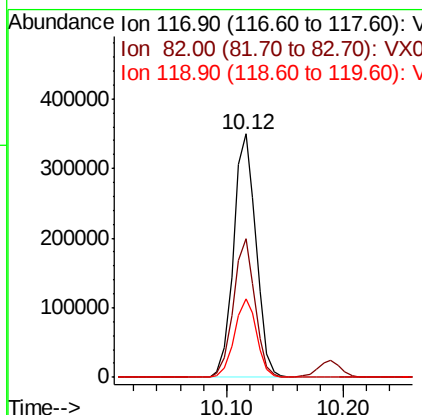
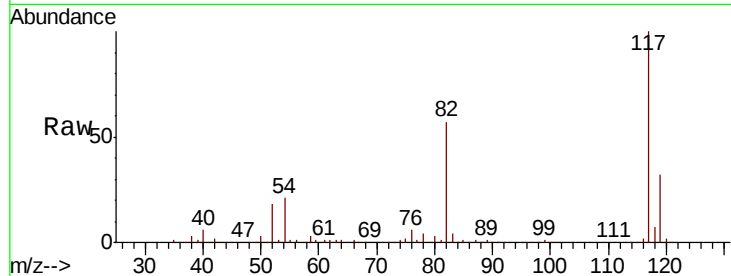
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Instrument :
MSVOA_X
ClientSampled :
FL-0547

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.4	68.0
119	32.3	26.6	40.0

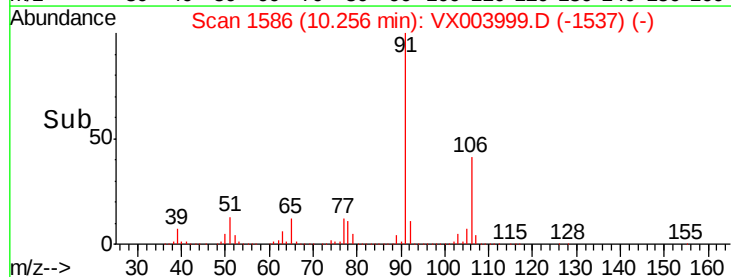
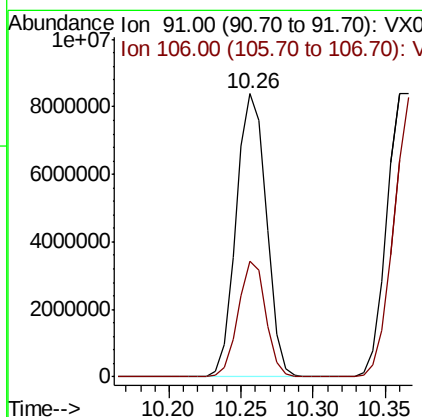
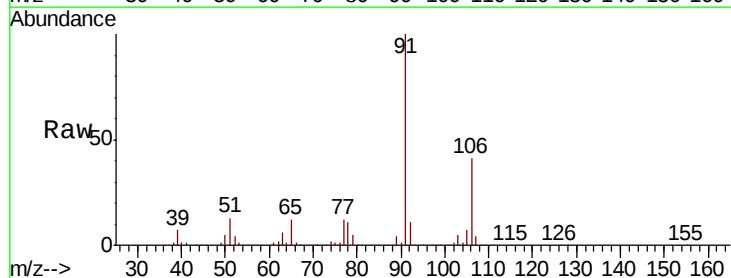
Manual Integrations
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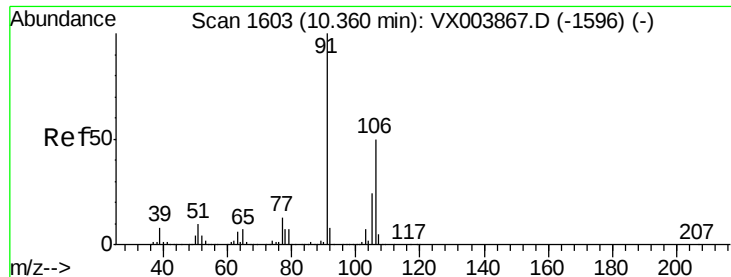
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#67
Ethyl Benzene
Concen: 612.56 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	40.9	25.9	38.9#





#68

m/p-Xvlenes

Concen: 2027.45 ug/l

RT: 10.37 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0547

Tot Ion:106 Resp:15830201

Ion Ratio Lower Upper

106 100

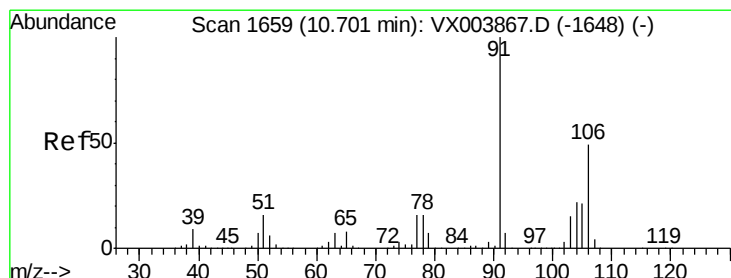
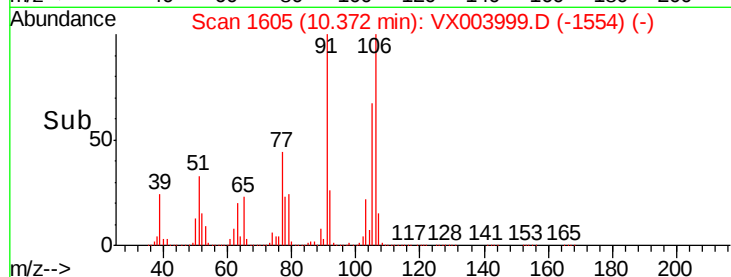
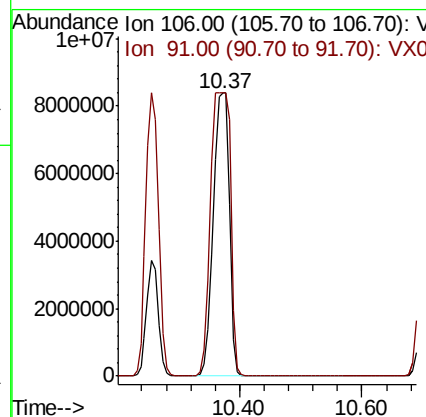
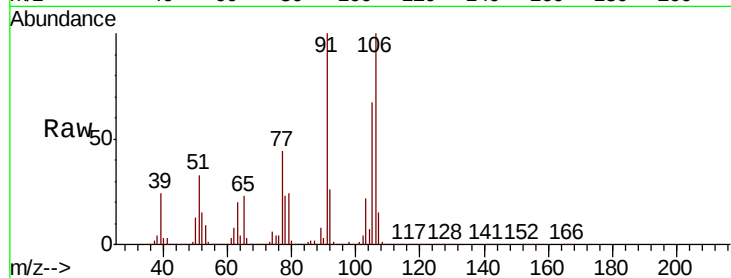
91 123.8 162.3 243.5#

Manual Integrations

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#69

o-Xylene

Concen: 441.91 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003999.D

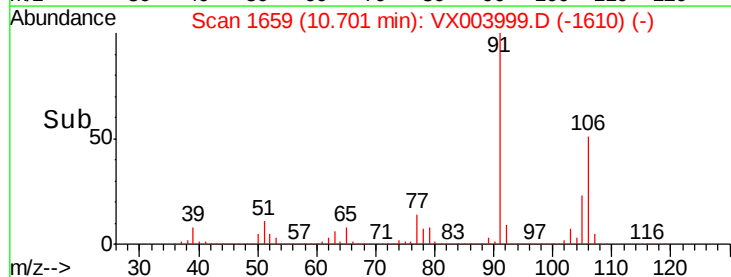
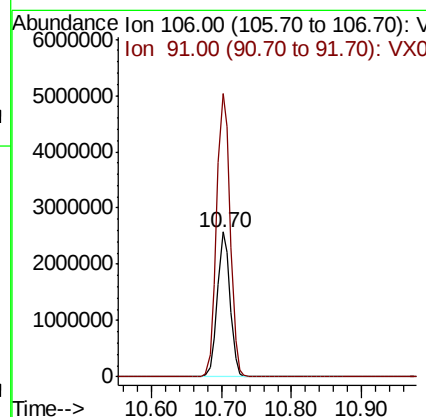
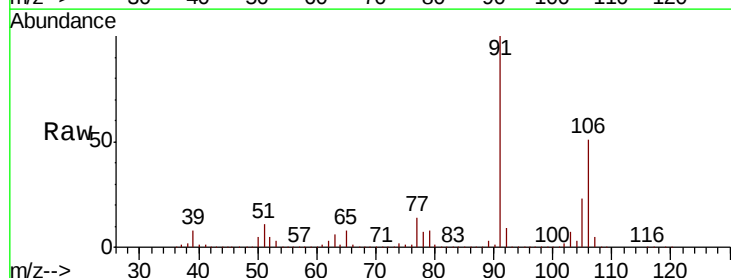
Acq: 13 Aug 2018 14:48

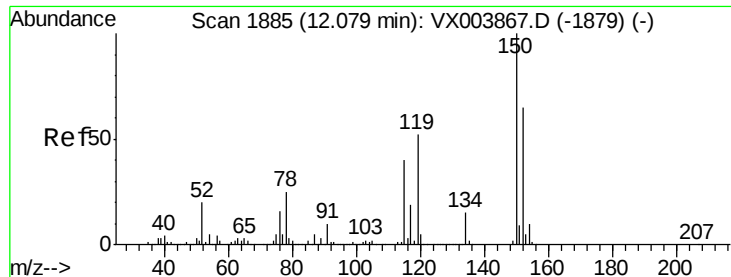
Tgt Ion:106 Resp: 3257123

Ion Ratio Lower Upper

106 100

91 208.3 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampled :

FL-0547

Tot Ion:152 Resp: 303325

Ion Ratio Lower Upper

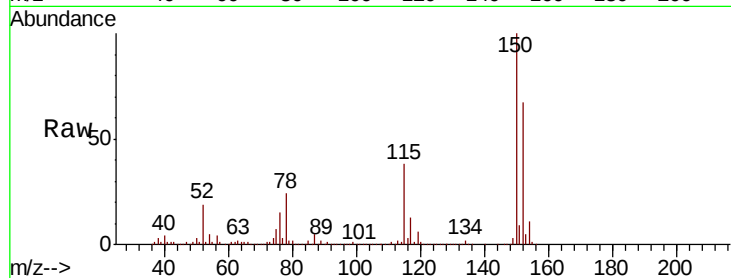
152 100

115 57.5 39.1 117.3

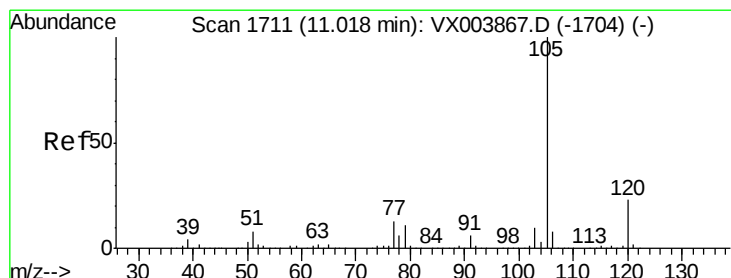
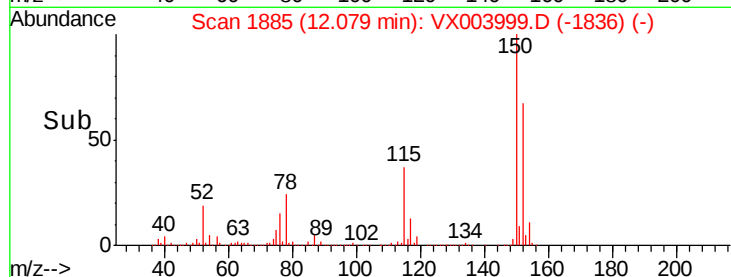
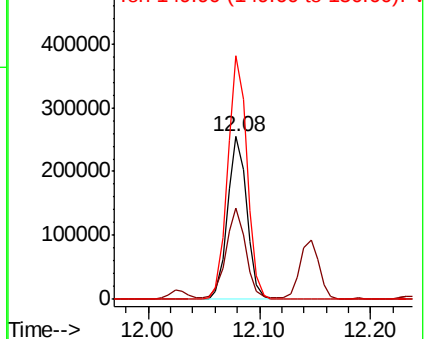
150 150.6 0.0 349.2

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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



#73

Isopropylbenzene

Concen: 53.10 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003999.D

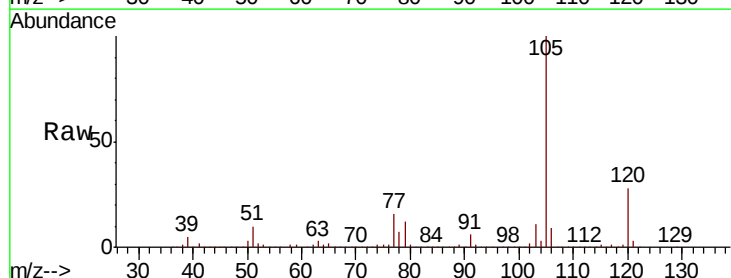
Acq: 13 Aug 2018 14:48

Tgt Ion:105 Resp: 1191555

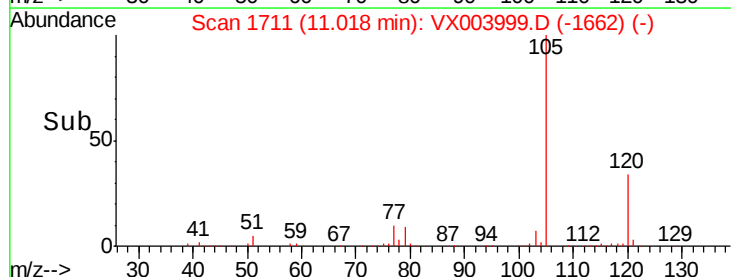
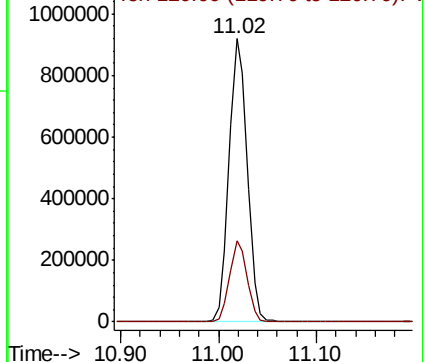
Ion Ratio Lower Upper

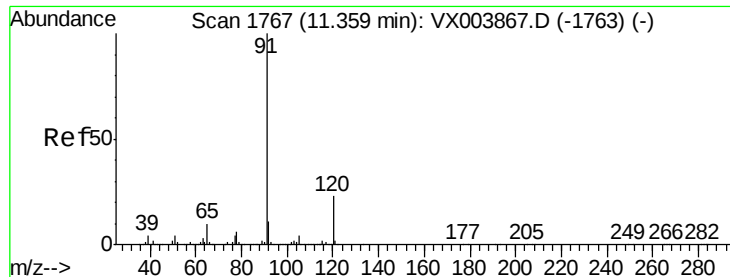
105 100

120 27.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 53.40 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0547

Tot Ion: 91 Resp: 1345402

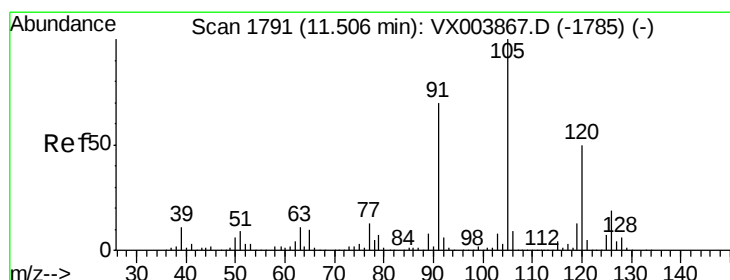
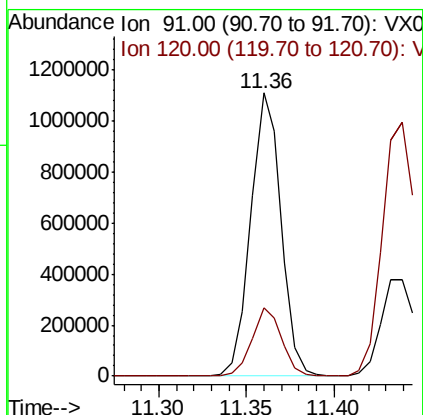
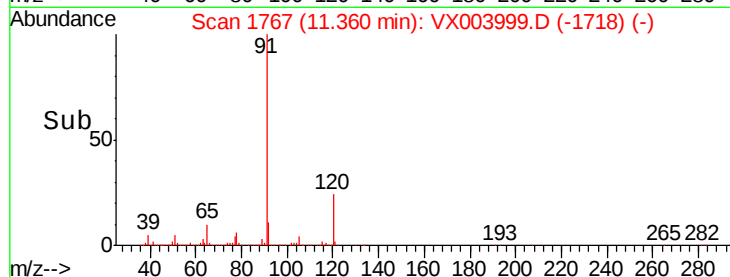
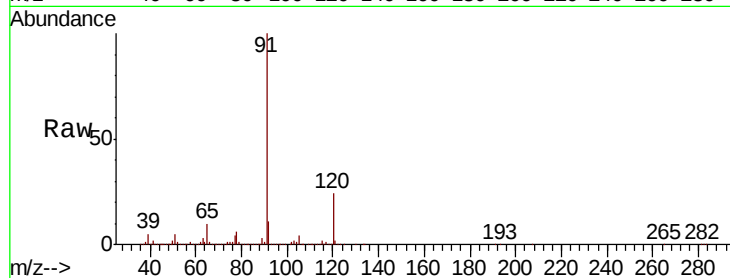
Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 108.75 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003999.D

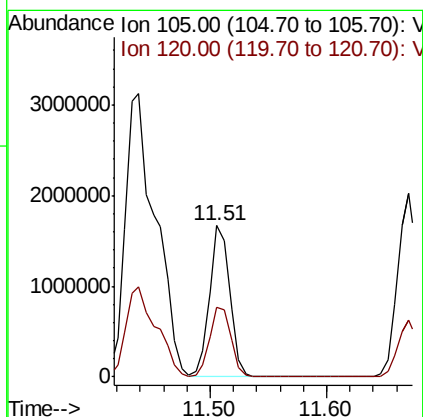
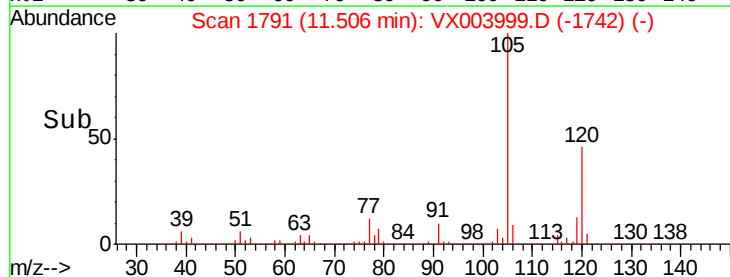
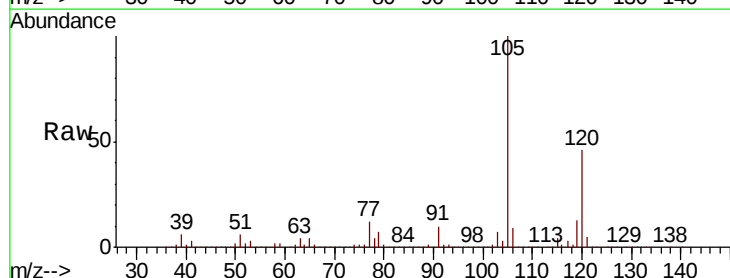
Acq: 13 Aug 2018 14:48

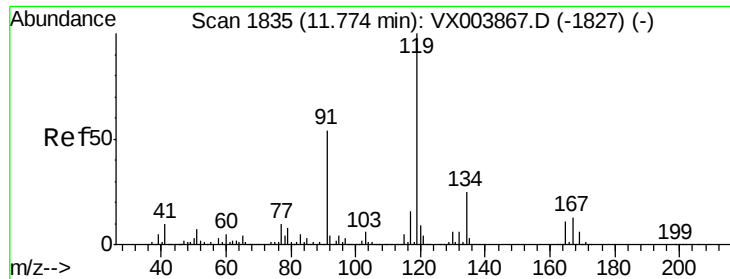
Tgt Ion: 105 Resp: 1989819

Ion Ratio Lower Upper

105 100

120 48.5 25.4 76.2





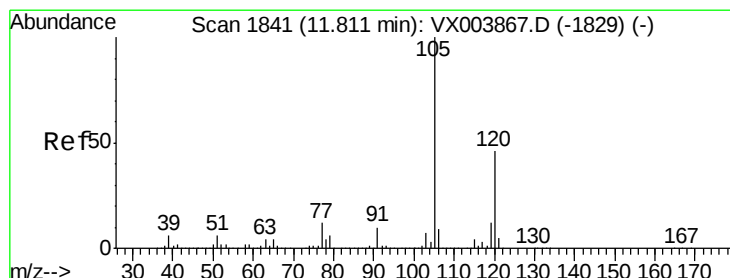
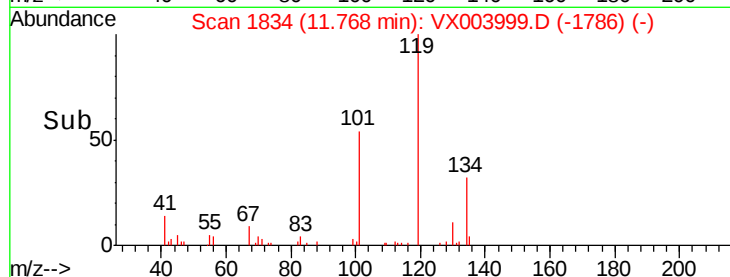
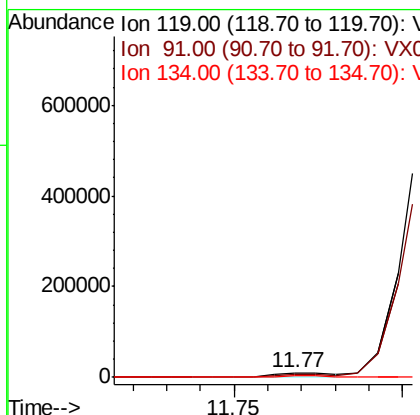
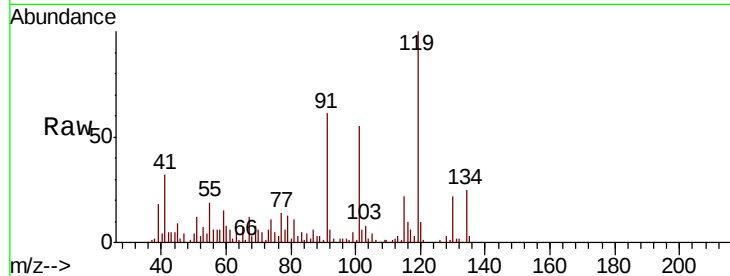
#83
tert-Butylbenzene
Concen: 0.71 ug/l m
RT: 11.77 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
FL-0547

Tot Ion:119 Resp: 12816
Ion Ratio Lower Upper
119 100
91 5107.1 26.9 80.7
134 0.0 12.0 36.0#

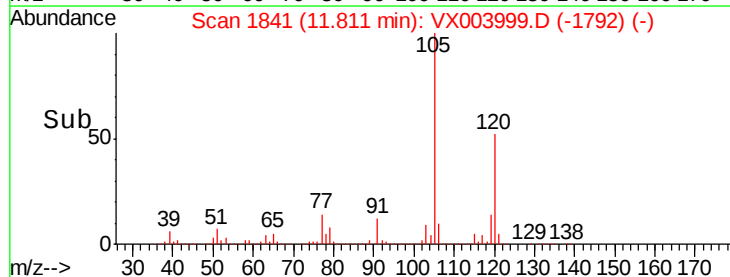
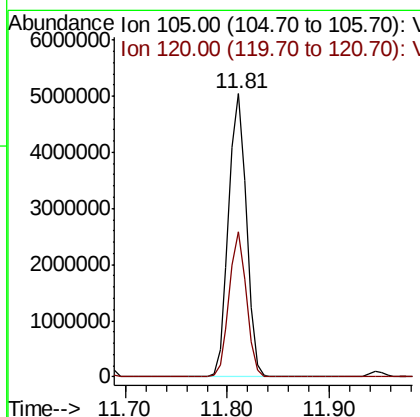
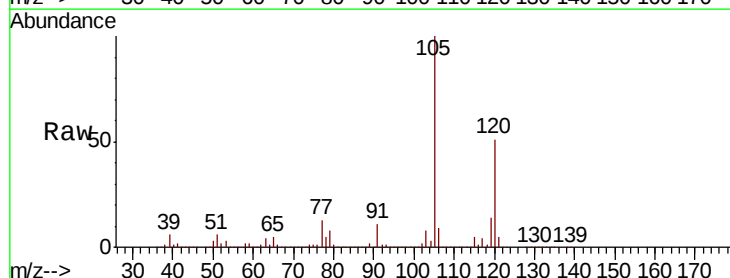
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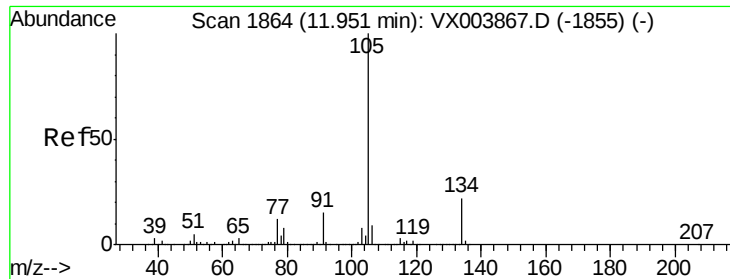
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#84
1,2,4-Trimethylbenzene
Concen: 331.08 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Tgt Ion:105 Resp: 6091101
Ion Ratio Lower Upper
105 100
120 49.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 5.25 ug/l m

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0547

Tot Ion:105 Resp: 111626

Ion Ratio Lower Upper

105 100

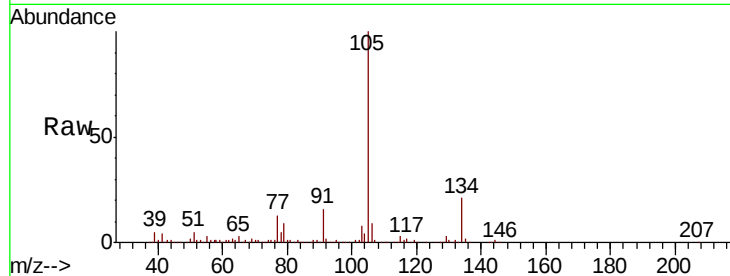
134 0.0 10.3 30.9#

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

100000

80000

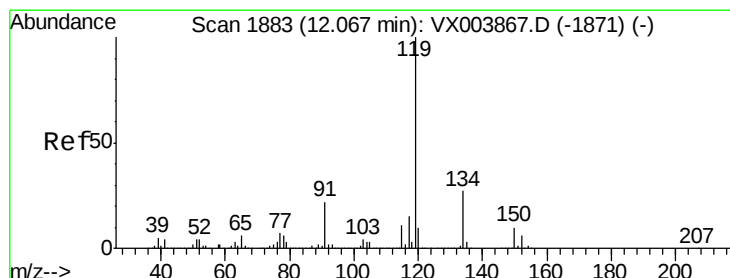
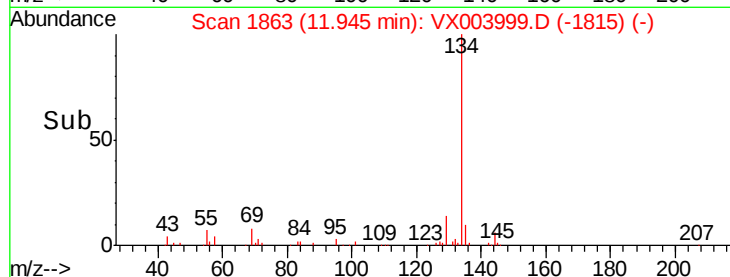
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.99 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003999.D

Acq: 13 Aug 2018 14:48

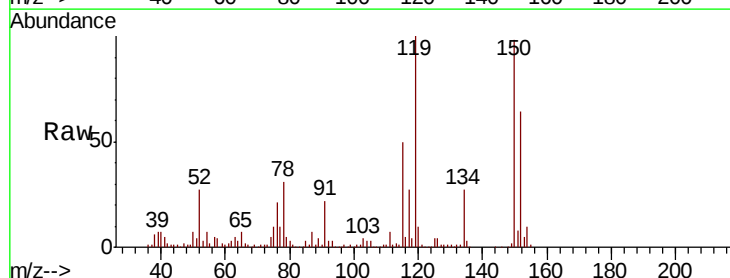
Tgt Ion:119 Resp: 114101

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.2 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

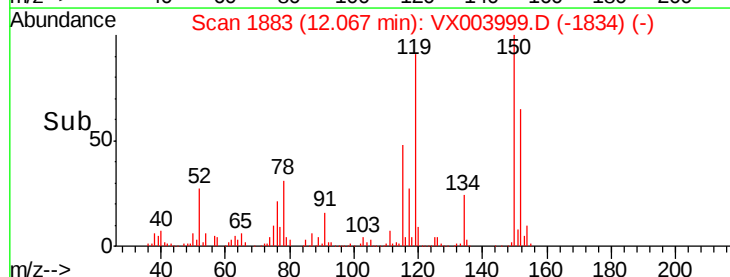
150000

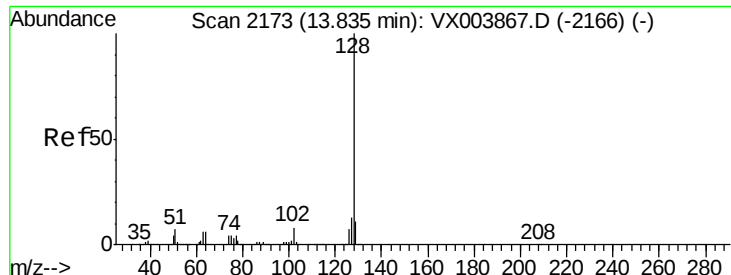
100000

50000

0

Time-->





#95
Naphthalene
Concen: 91.69 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003999.D
Acq: 13 Aug 2018 14:48

Instrument :
MSVOA_X
ClientSampleId :
FL-0547

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
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