

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062718\
 Data File : VX002956.D
 Acq On : 28 Jun 2018 00:53
 Operator : JC/MD
 Sample : J3631-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

Manual Integrations
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 6/28/2018 4:47:59 PM

Quant Time: Jun 28 15:22:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188233	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	166205	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
35) Dibromofluoromethane	5.51	113	133078	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	8.72	98	492126	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	175721	45.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	27993	19.61	ug/l	99
17) Carbon Disulfide	2.57	76	4697	0.72	ug/l	96
31) Cyclohexane	5.57	56	22791	5.27	ug/l	92
39) Methylcyclohexane	7.46	83	13181	2.98	ug/l	93
40) Benzene	6.15	78	3309	0.30	ug/l #	90
52) Toluene	8.79	92	4049	0.57	ug/l	96
67) Ethyl Benzene	10.26	91	153473	11.32	ug/l	98
68) m/p-Xylenes	10.37	106	15672	3.00	ug/l	99
69) o-Xylene	10.70	106	3877	0.76	ug/l	89
73) Isopropylbenzene	11.02	105	16507	1.30	ug/l	98
78) n-propylbenzene	11.37	91	14255	0.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2945m	0.28	ug/l	
83) tert-Butylbenzene	11.77	119	5704	0.54	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	173873	15.73	ug/l	97
85) sec-Butylbenzene	11.95	105	7789	0.61	ug/l	85
86) p-Isopropyltoluene	12.07	119	10478	0.91	ug/l	96
89) n-Butylbenzene	12.39	91	2830m	0.28	ug/l	
95) Naphthalene	13.83	128	48682	3.78	ug/l #	91

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

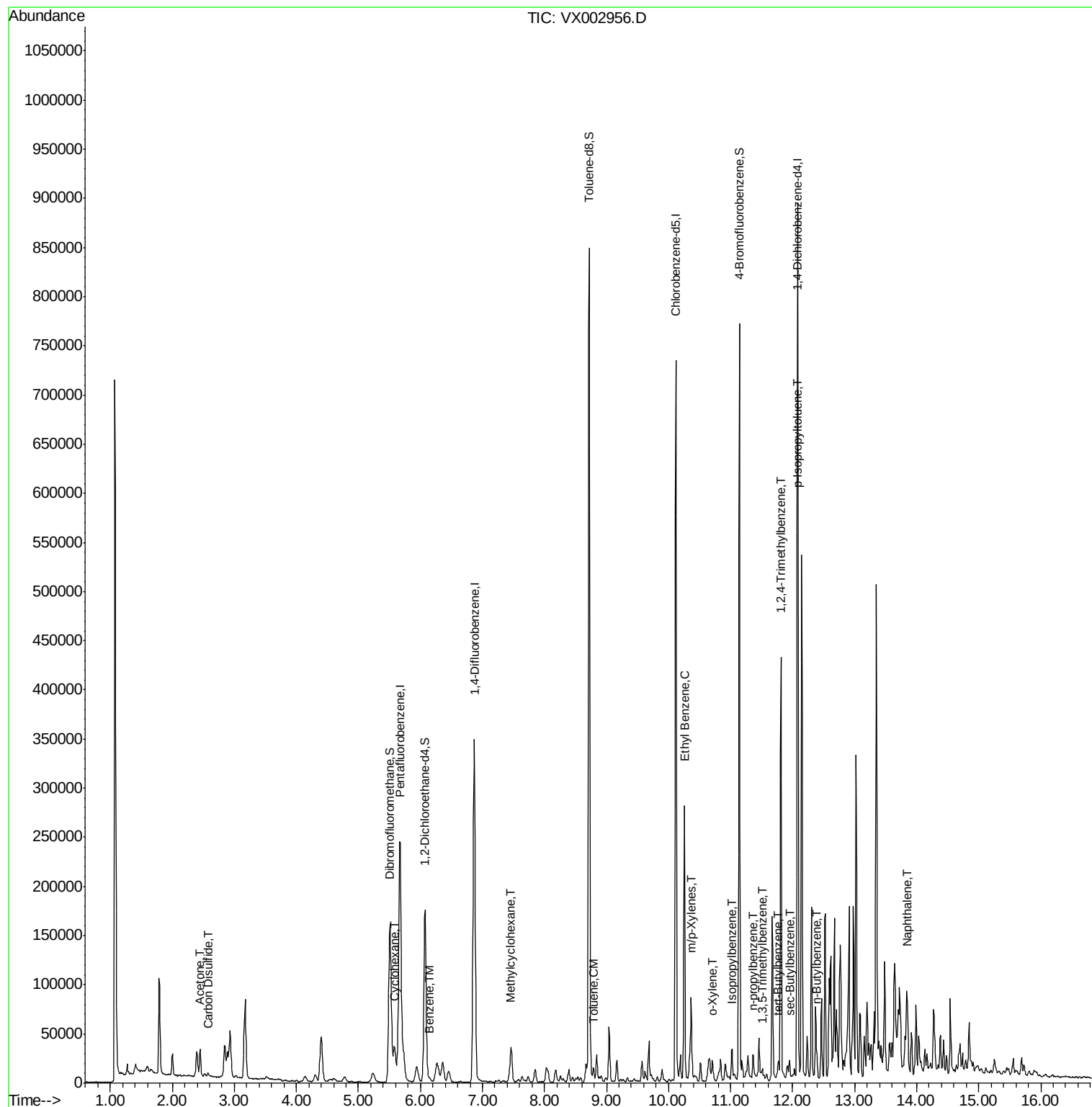
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002956.D
Acq On : 28 Jun 2018 00:53
Operator : JC/MD
Sample : J3631-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 32 Sample Multiplier: 1

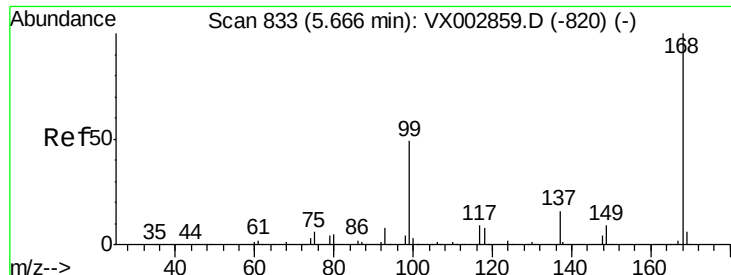
Instrument :
MSVOA_X
ClientSampleId :
S83-0020

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Quant Time: Jun 28 15:22:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion:168 Resp: 249426

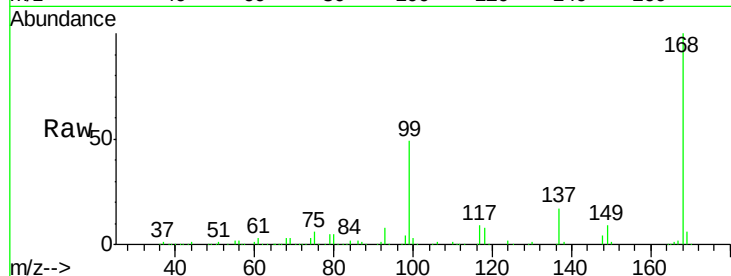
Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9

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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

80000

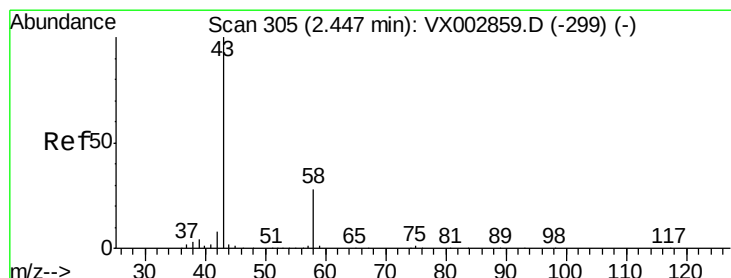
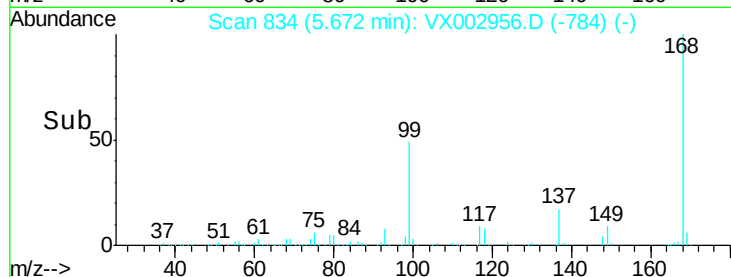
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 19.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002956.D

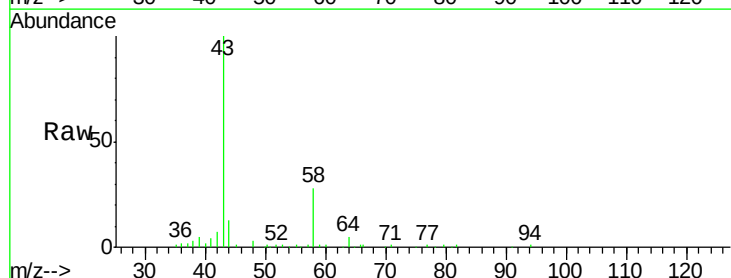
Acq: 28 Jun 2018 00:53

Tgt Ion: 43 Resp: 27993

Ion Ratio Lower Upper

43 100

58 28.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

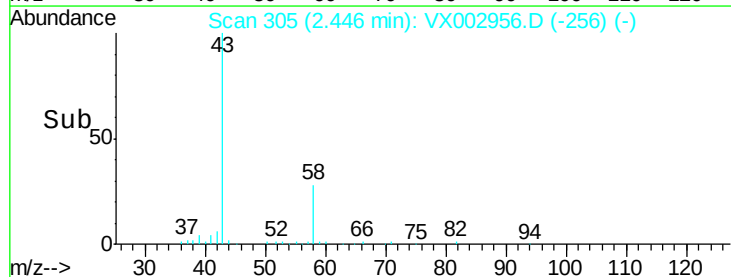
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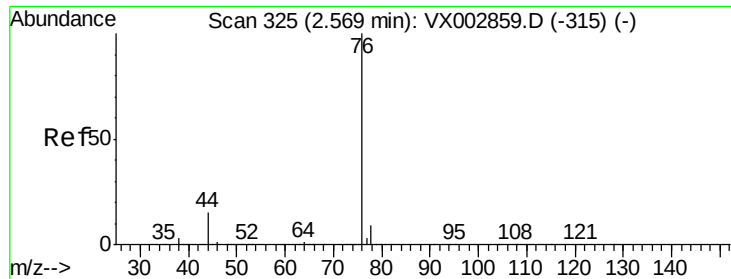
10000

5000

0

Time--> 2.40 2.45 2.50





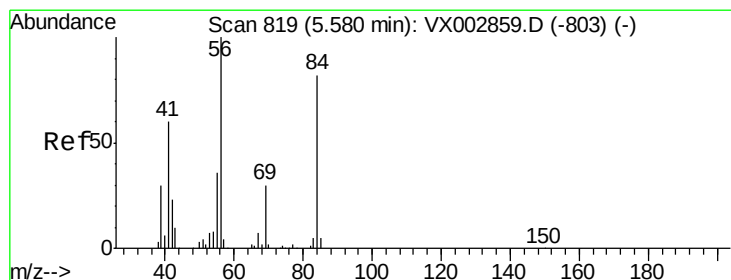
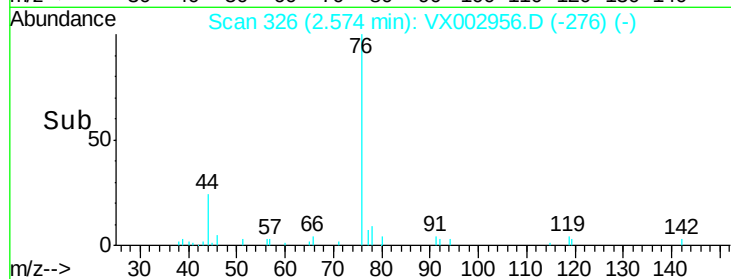
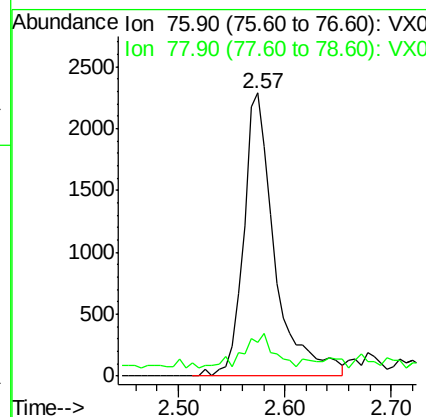
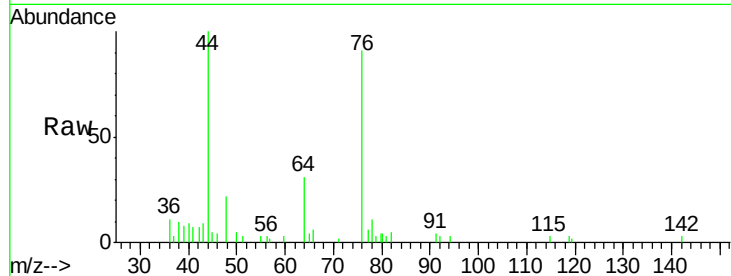
#17
Carbon Disulfide
Concen: 0.72 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampled :
S83-0020

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.2	6.9	10.3

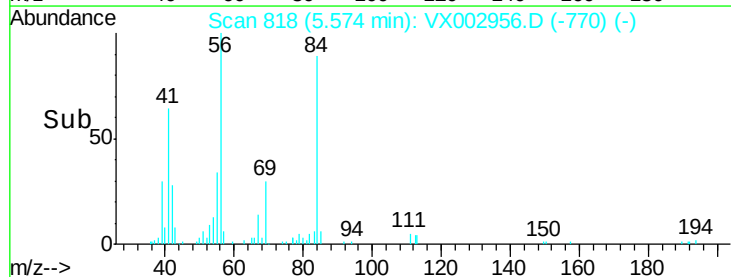
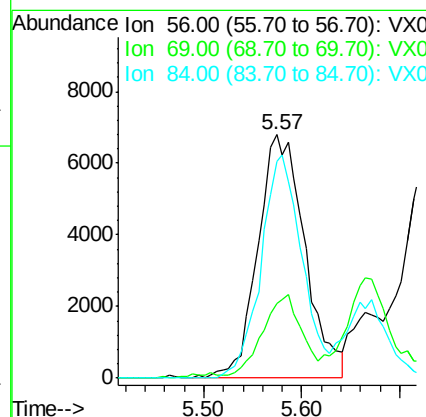
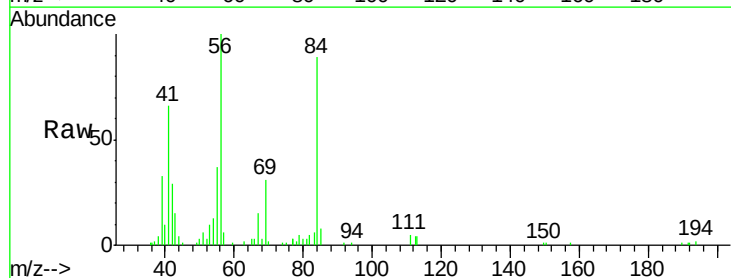
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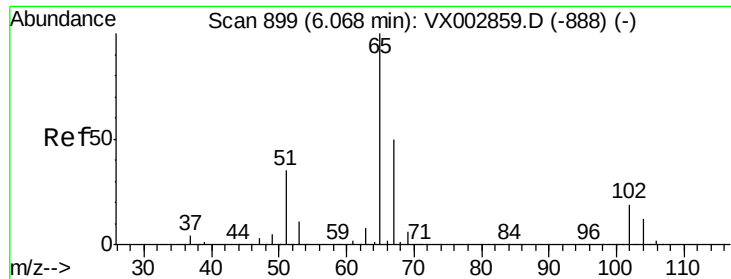
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#31
Cyclohexane
Concen: 5.27 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.7	35.5
84	89.2	64.1	96.1





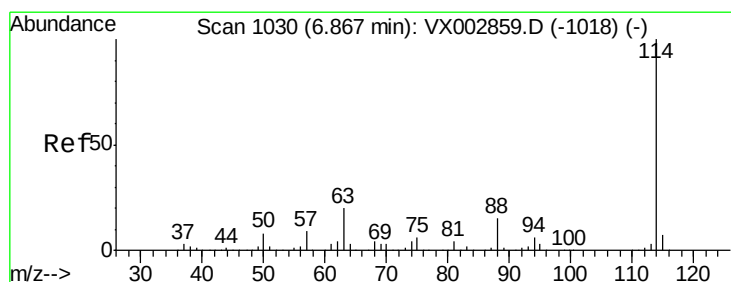
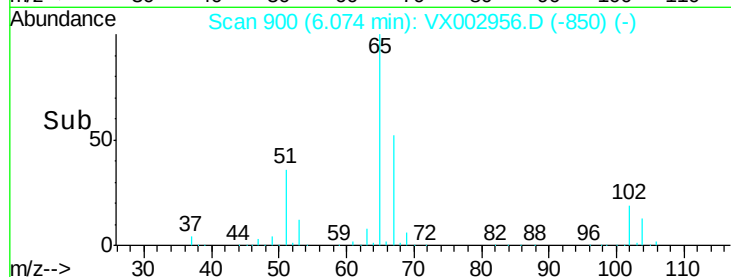
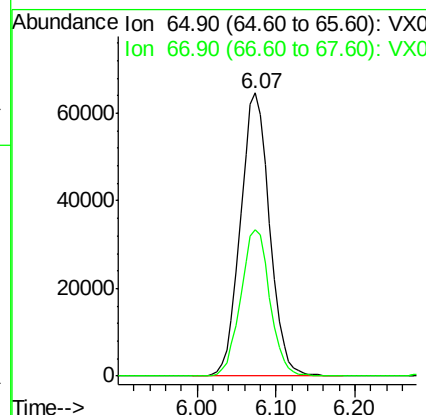
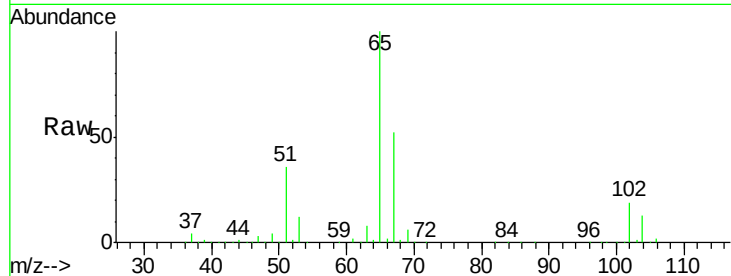
#33
 1,2-Dichloroethane-d4
 Concen: 48.21 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166205		
67	51.8	0.0	102.6	

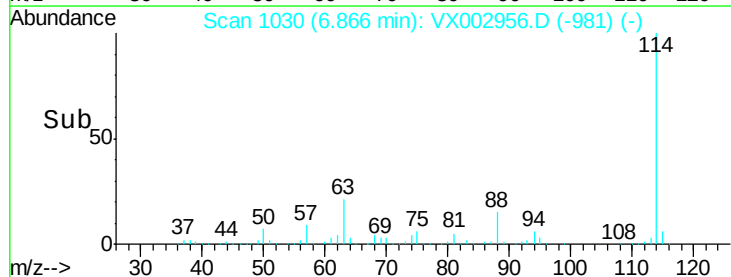
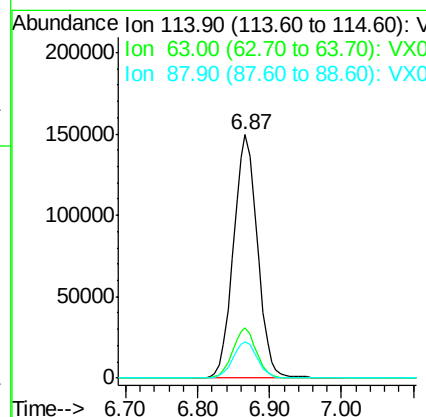
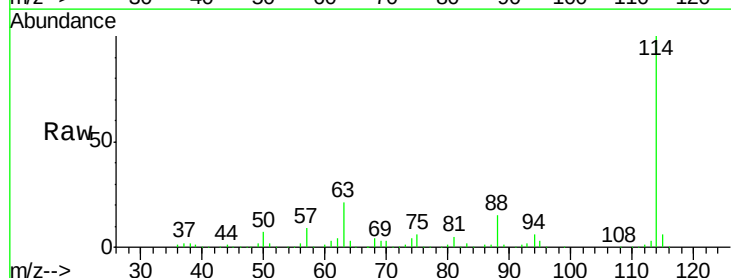
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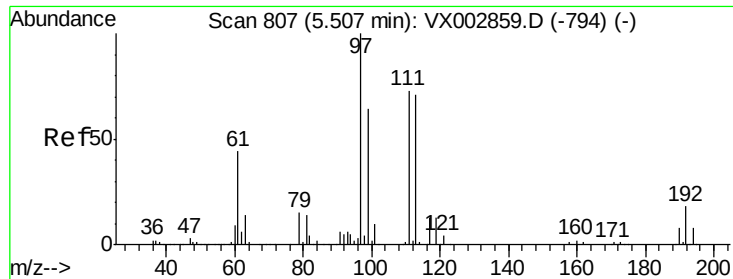
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	346494		
63	20.6	0.0	41.4	
88	15.0	0.0	30.0	





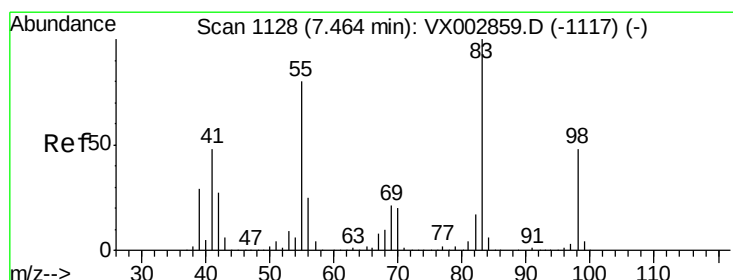
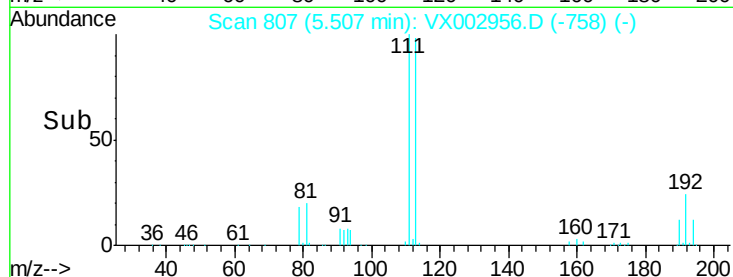
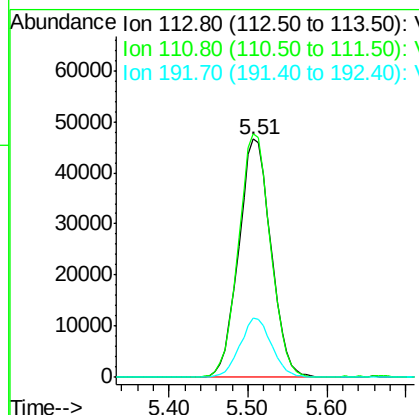
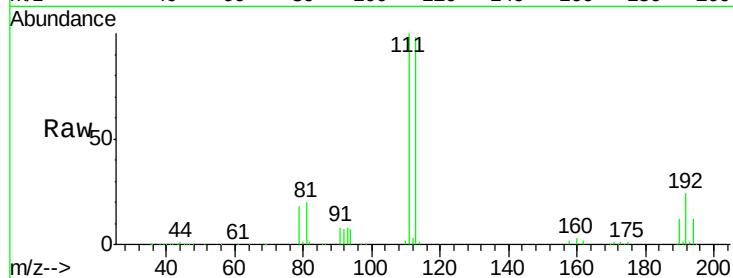
#35
 Dibromofluoromethane
 Concen: 48.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133078		
111	101.3	81.4	122.0	
192	24.3	19.1	28.7	

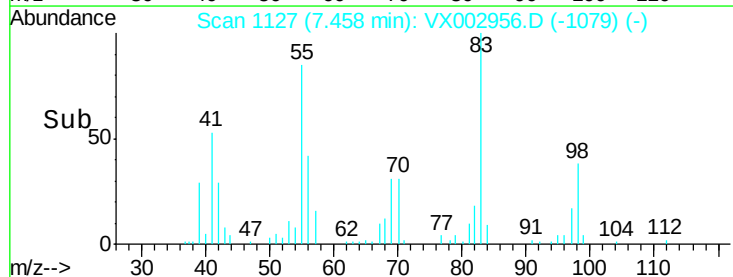
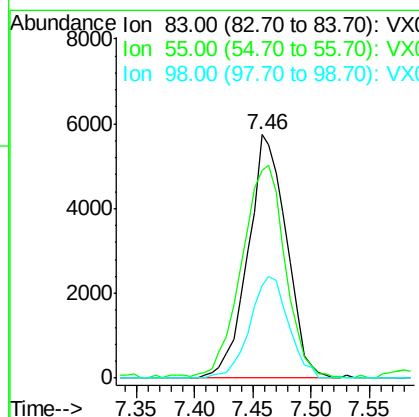
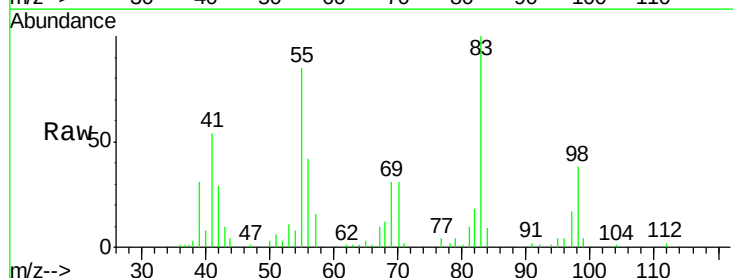
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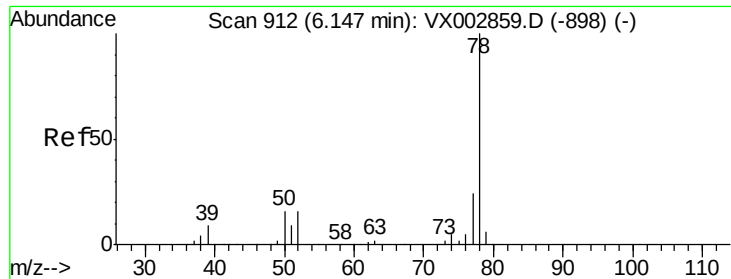
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#39
 Methylcyclohexane
 Concen: 2.98 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	13181		
55	84.6	65.4	98.0	
98	37.9	37.4	56.0	





#40

Benzene

Concen: 0.30 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion: 78 Resp: 3309

Ion Ratio Lower Upper

78 100

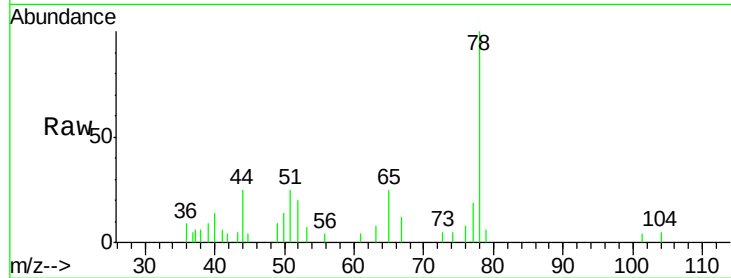
77 18.9 19.1 28.7#

Manual Integrations

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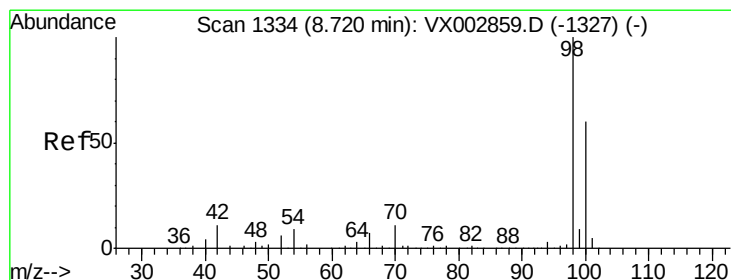
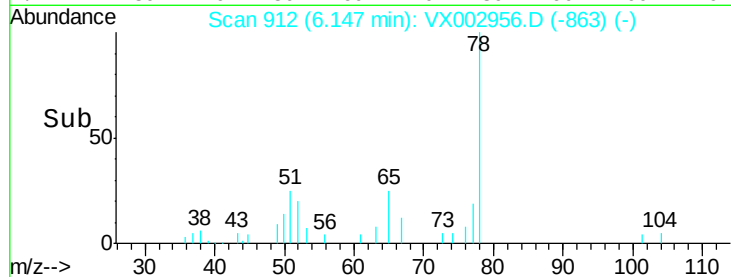
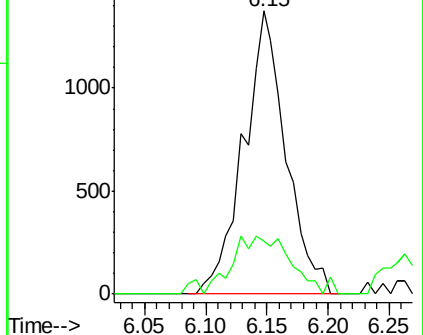
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.11 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002956.D

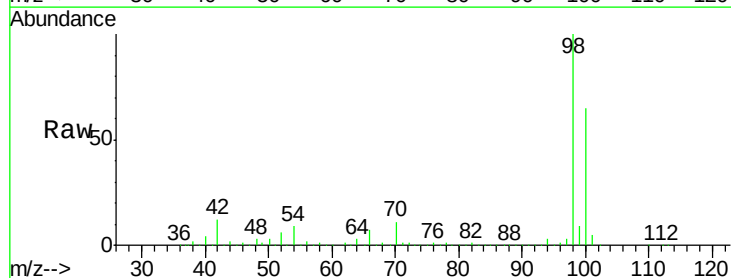
Acq: 28 Jun 2018 00:53

Tgt Ion: 98 Resp: 492126

Ion Ratio Lower Upper

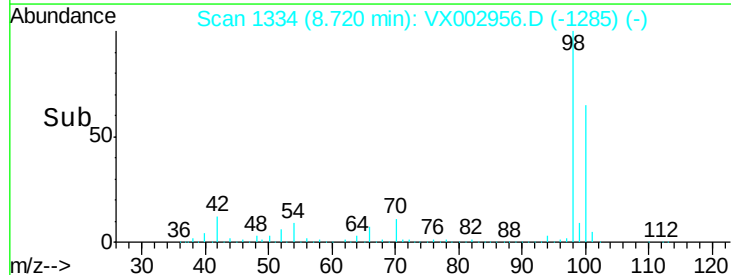
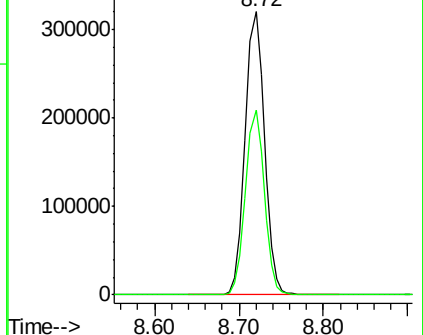
98 100

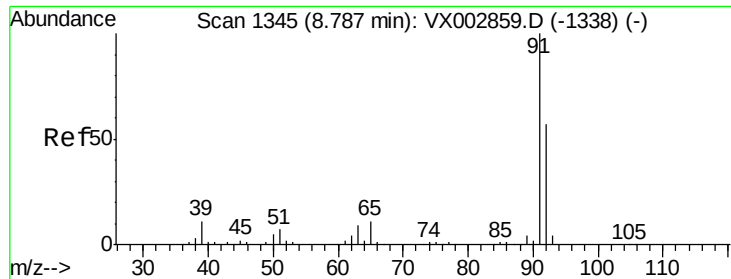
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion: 92 Resp: 4049

Ion Ratio Lower Upper

92 100

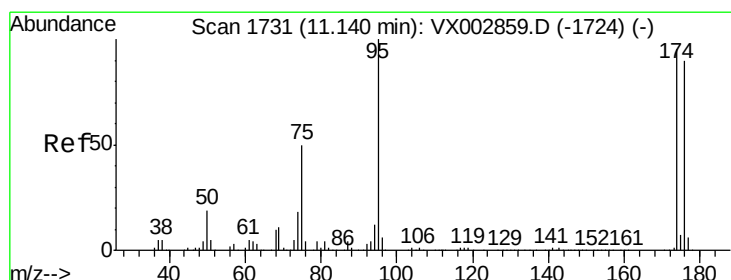
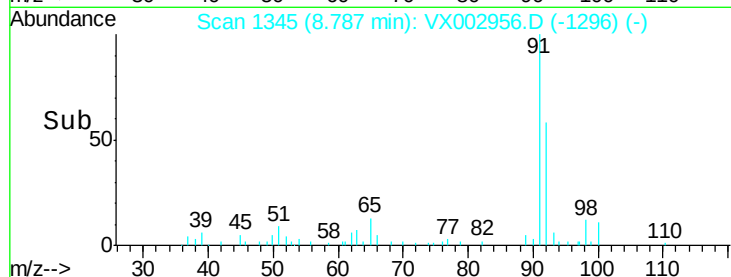
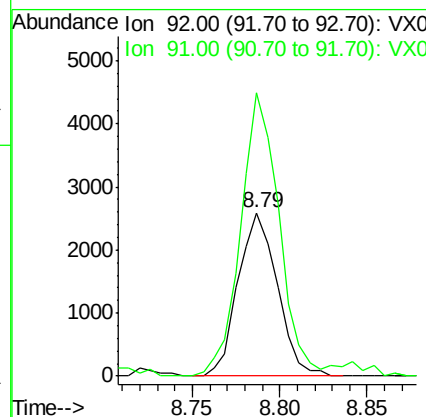
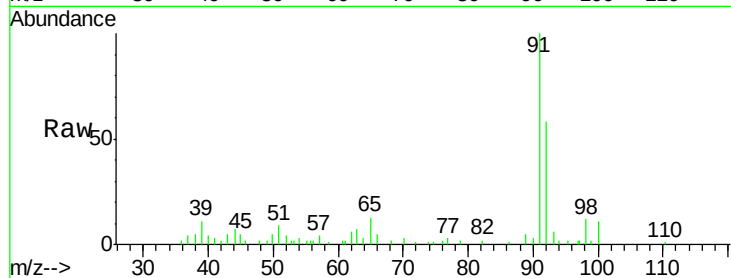
91 169.3 140.4 210.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

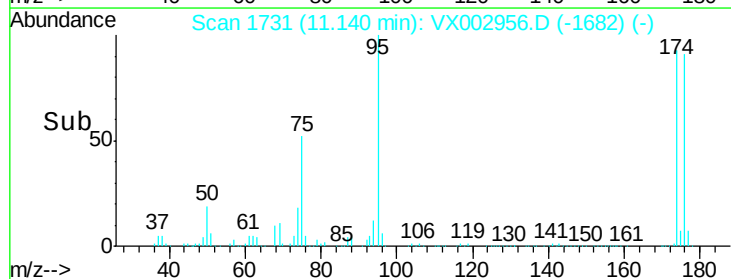
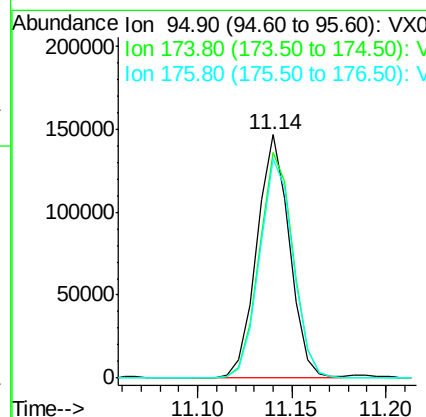
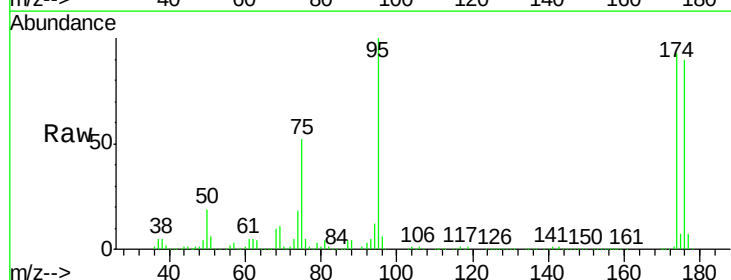
Tgt Ion: 95 Resp: 175721

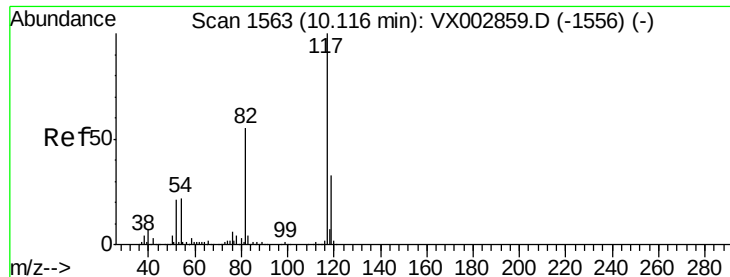
Ion Ratio Lower Upper

95 100

174 96.5 0.0 187.4

176 93.2 0.0 181.0





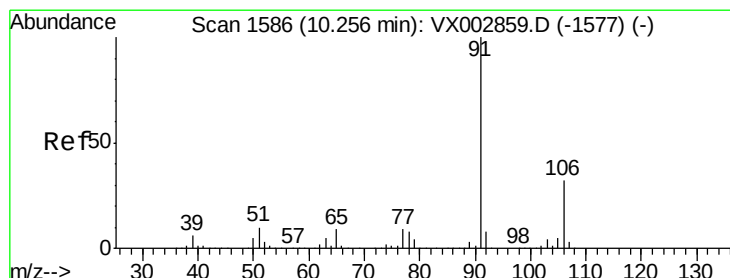
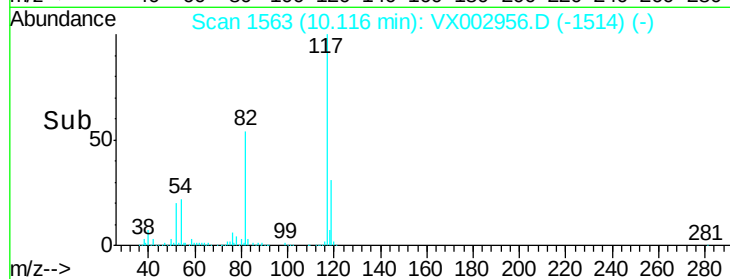
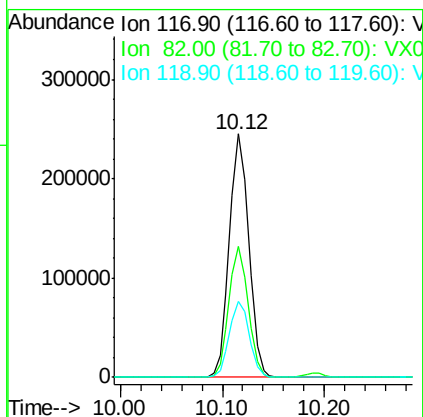
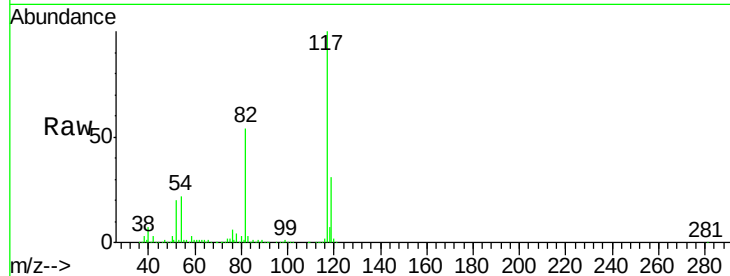
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.4
119	31.0	25.8	38.6

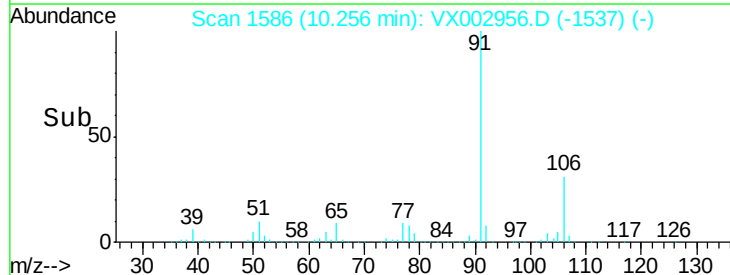
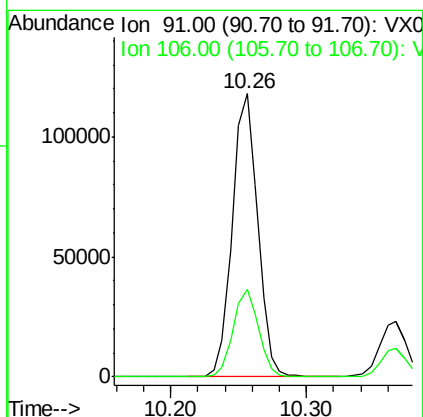
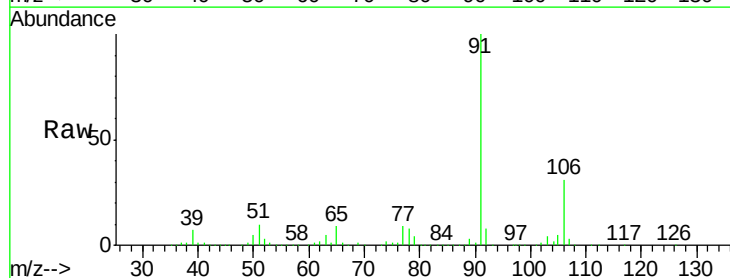
Manual Integrations
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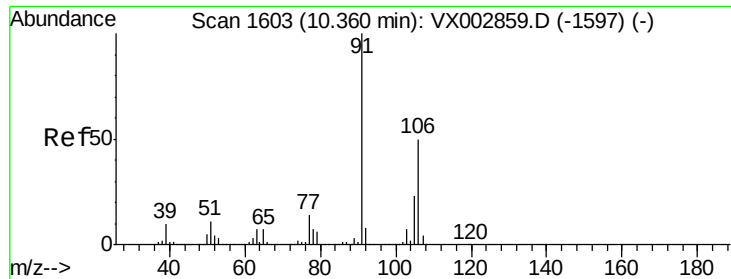
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#67
Ethyl Benzene
Concen: 11.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.5	38.3





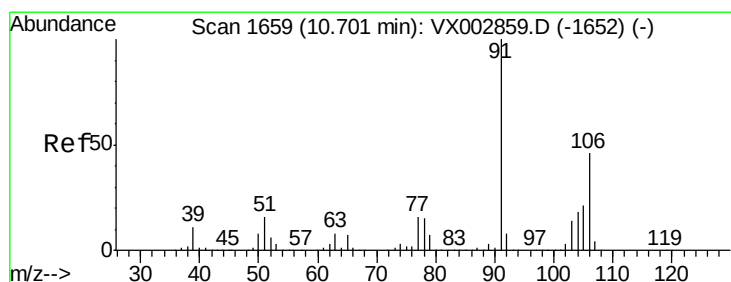
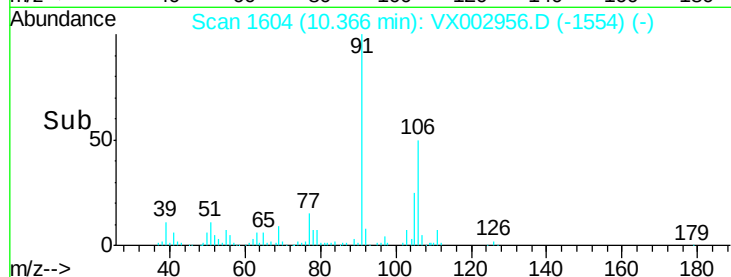
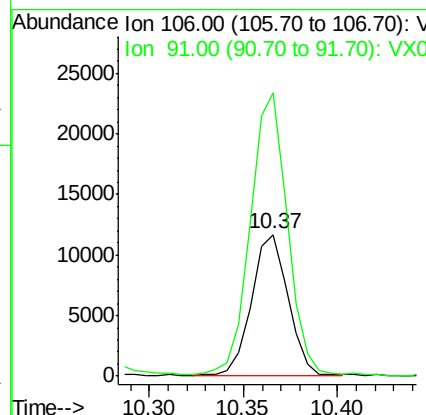
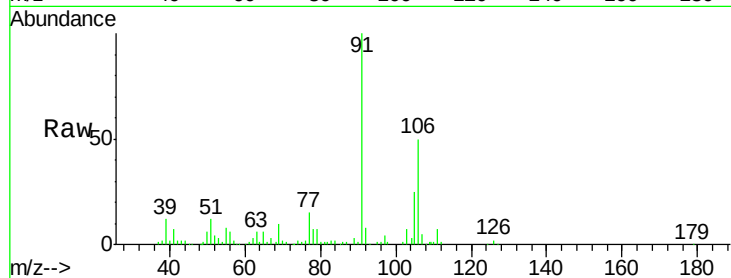
#68
m/p-Xylenes
Concen: 3.00 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampled :
S83-0020

Tot Ion:106 Resp: 15672
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2

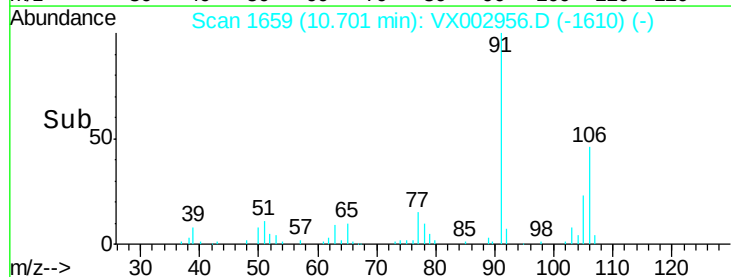
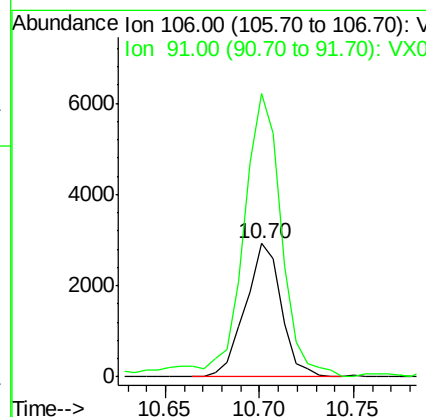
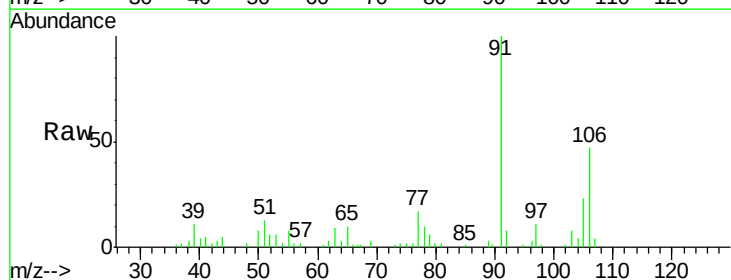
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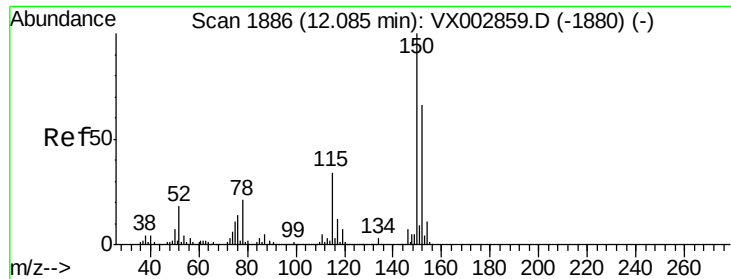
MMDadoda
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#69
o-Xylene
Concen: 0.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion:106 Resp: 3877
Ion Ratio Lower Upper
106 100
91 233.7 108.2 324.6





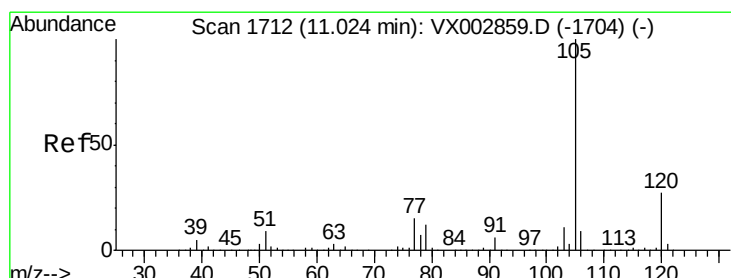
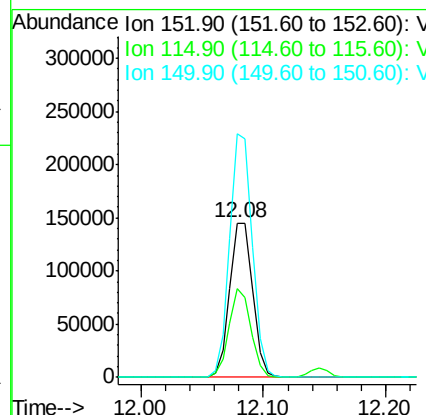
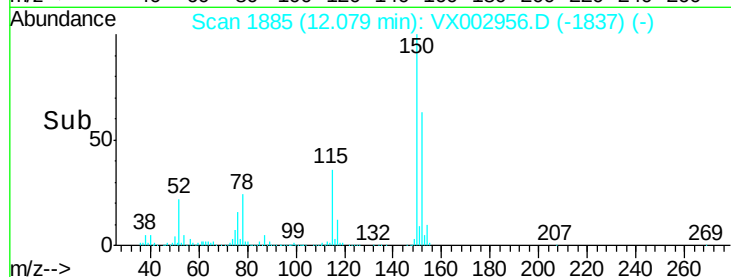
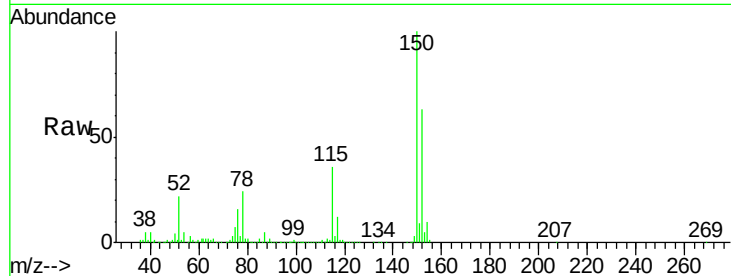
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	40.1	120.2
150	155.6	0.0	347.2

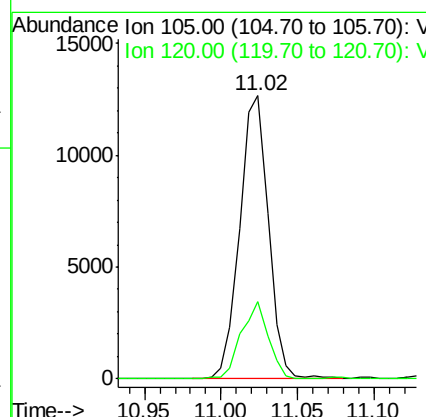
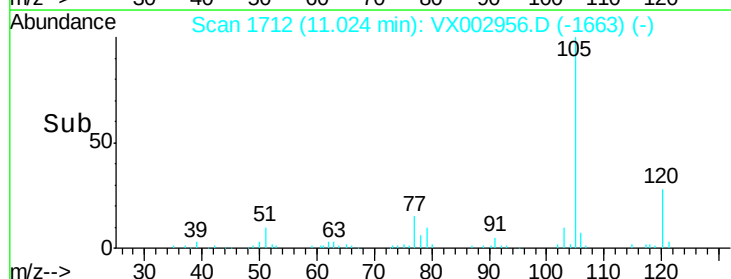
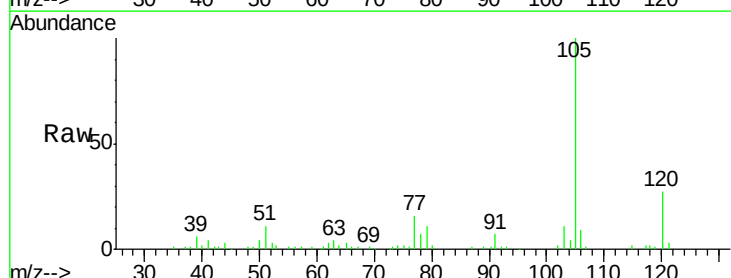
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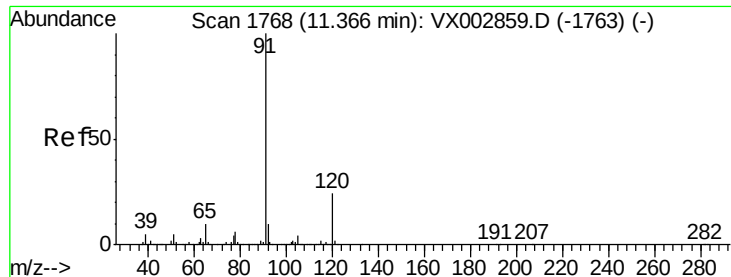
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#73
 Isopropylbenzene
 Concen: 1.30 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.5	40.4





#78

n-propylbenzene

Concen: 0.99 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion: 91 Resp: 14255

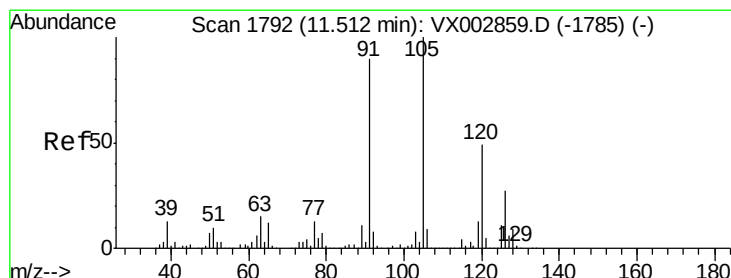
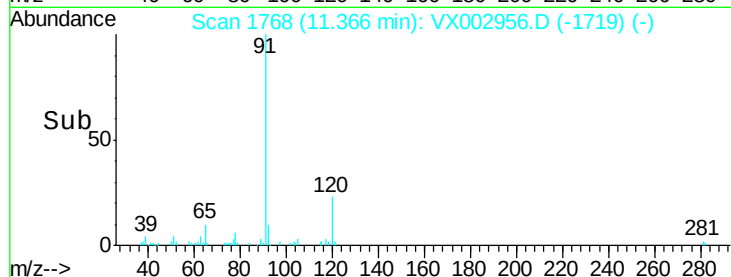
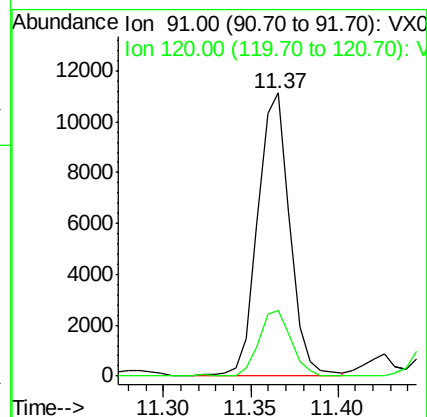
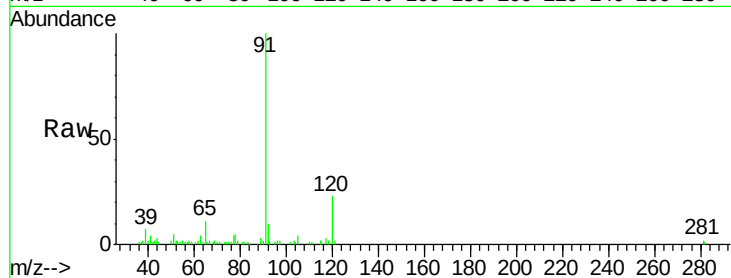
Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l m

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002956.D

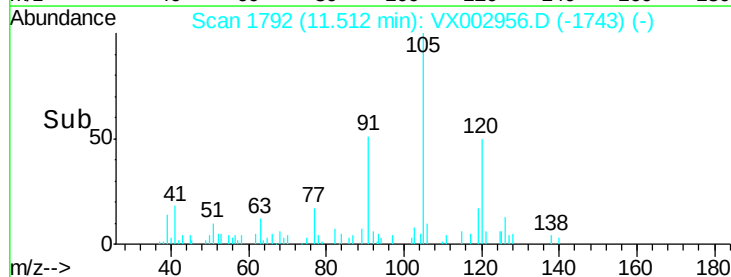
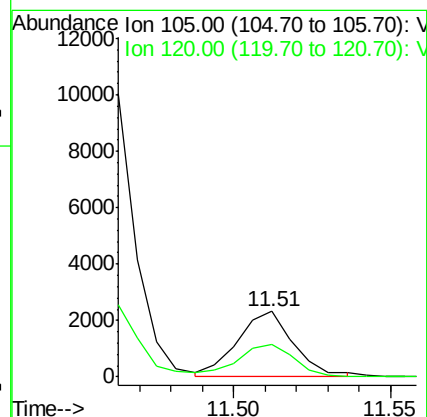
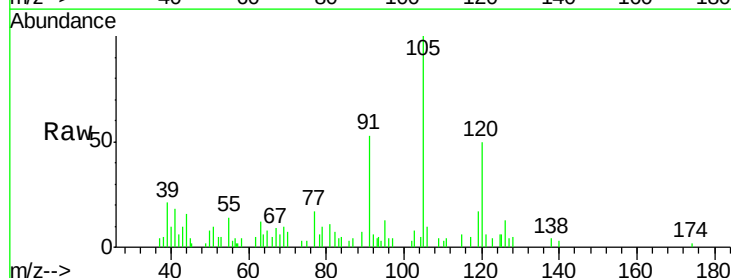
Acq: 28 Jun 2018 00:53

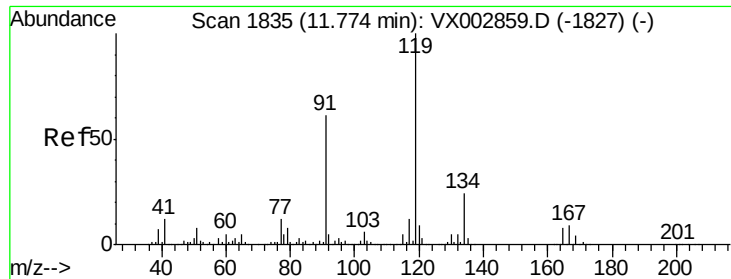
Tgt Ion: 105 Resp: 2945

Ion Ratio Lower Upper

105 100

120 154.8 24.4 73.4#





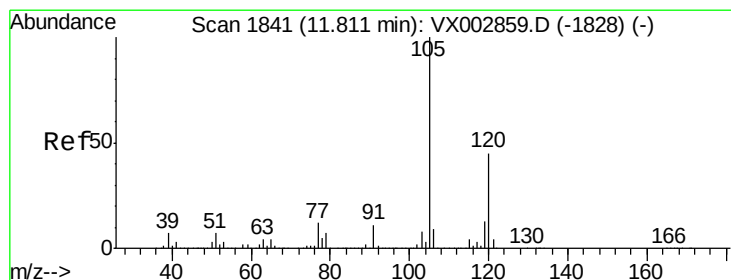
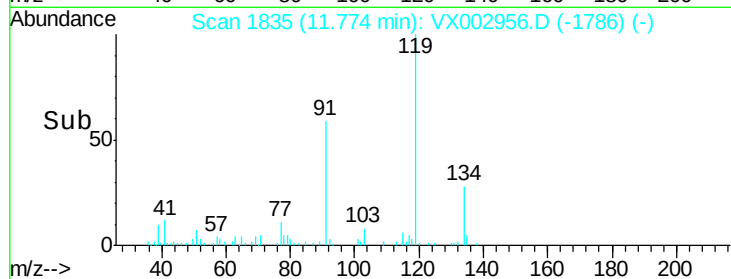
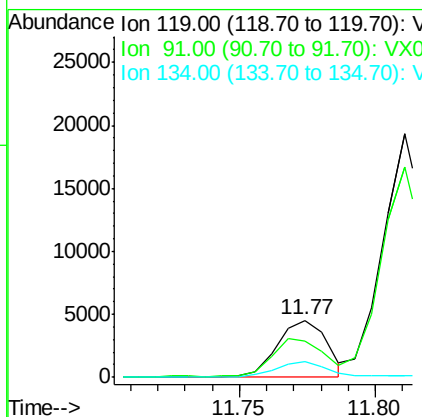
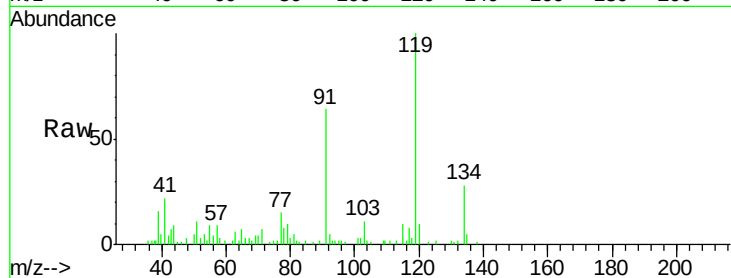
#83
 tert-Butylbenzene
 Concen: 0.54 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	30.3	90.9
134	28.5	11.7	35.1

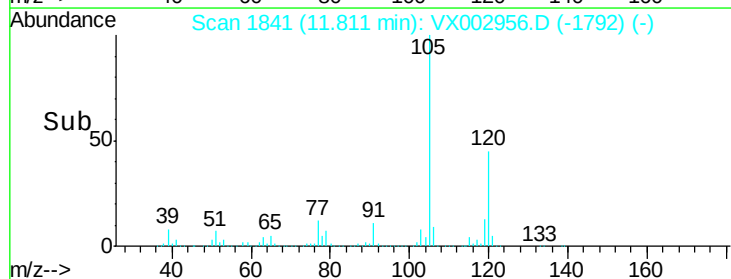
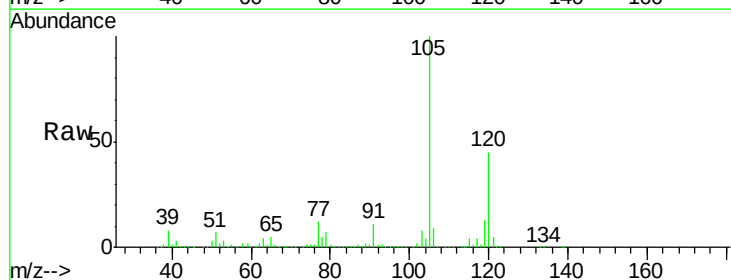
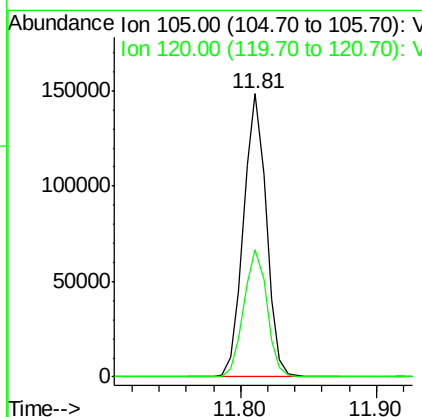
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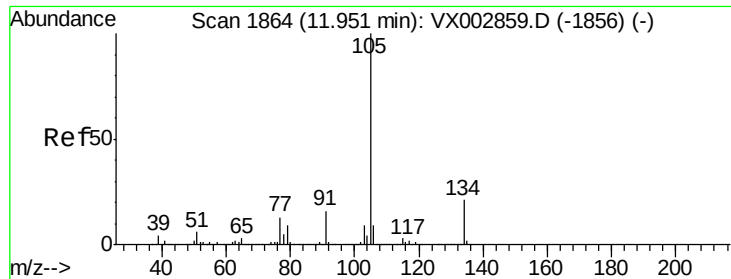
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#84
 1,2,4-Trimethylbenzene
 Concen: 15.73 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 0.61 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion:105 Resp: 7789

Ion Ratio Lower Upper

105 100

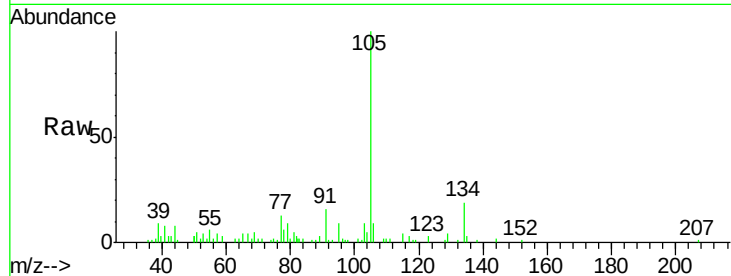
134 27.8 10.4 31.1

Manual Integrations

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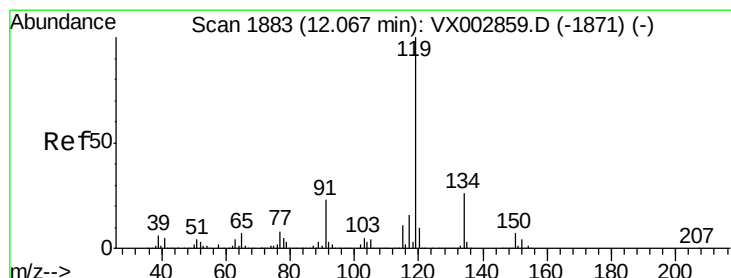
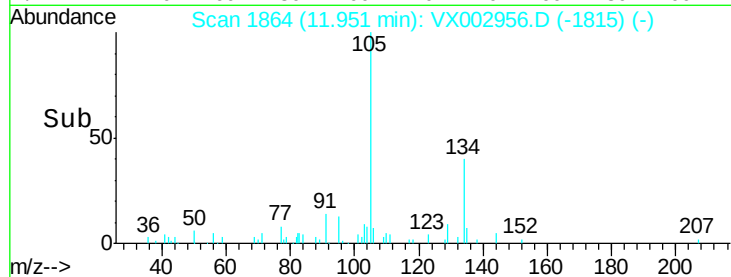
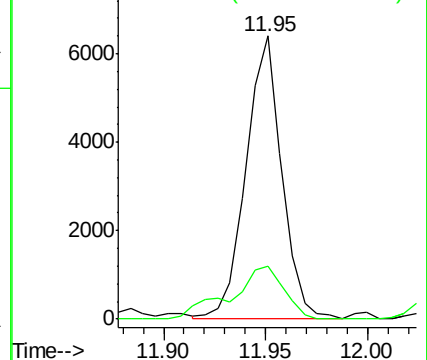
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

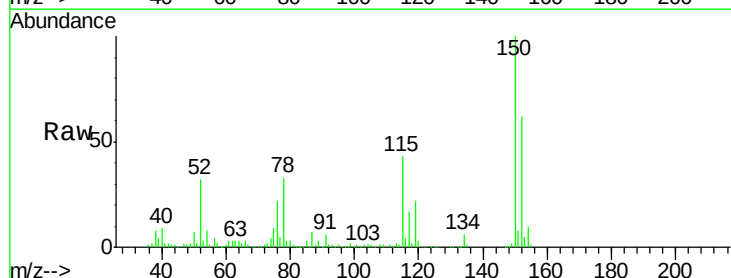
Tgt Ion:119 Resp: 10478

Ion Ratio Lower Upper

119 100

134 28.5 13.4 40.1

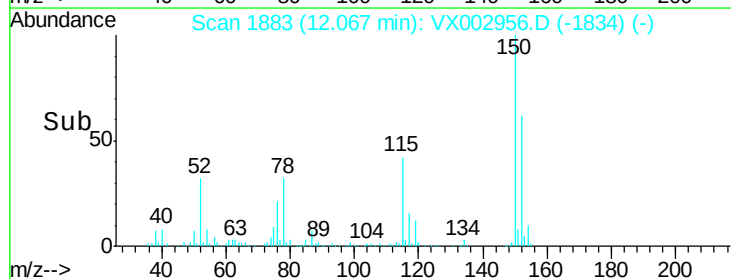
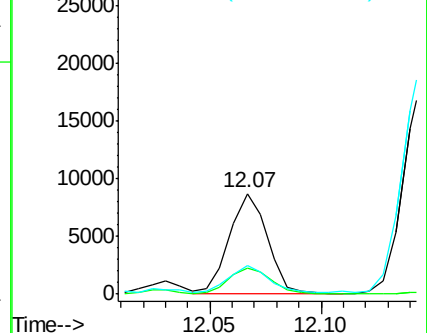
91 26.2 11.9 35.7

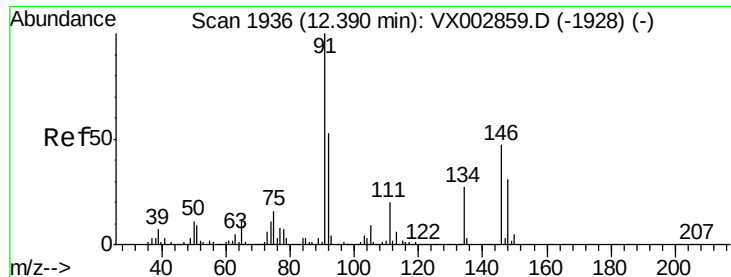


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.28 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion: 91 Resp: 2830

Ion Ratio Lower Upper

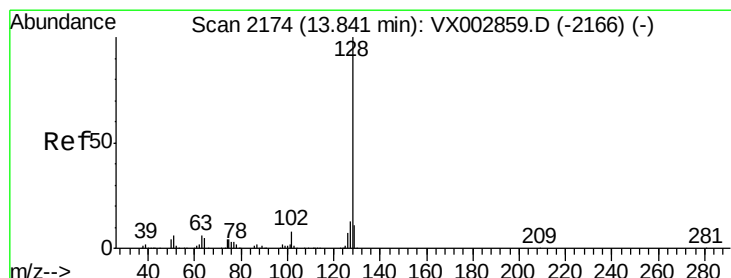
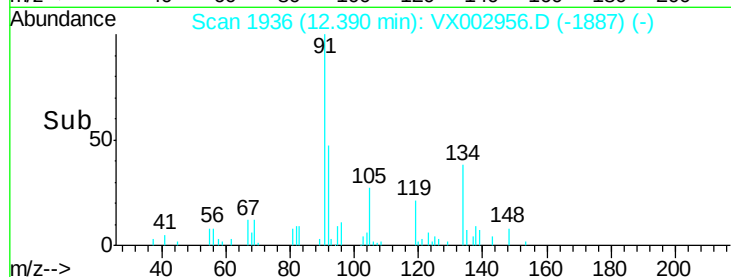
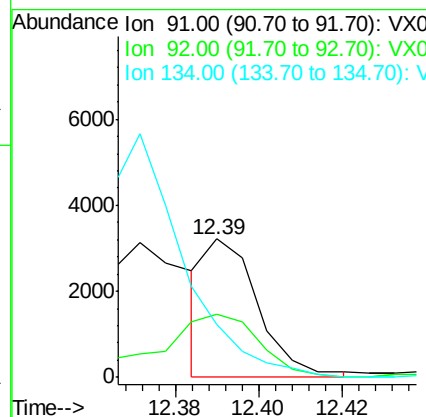
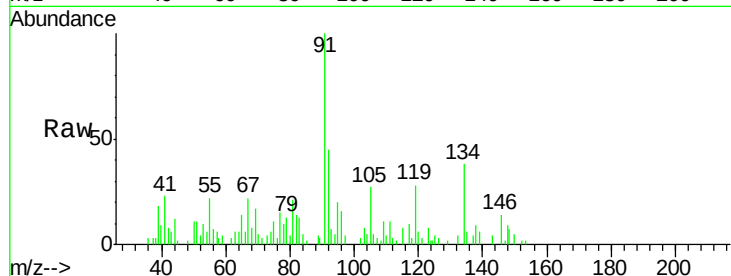
91 100

92 89.2 26.0 78.0#

134 271.6 13.5 40.5#

Manual Integrations
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#95

Naphthalene

Concen: 3.78 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Tgt Ion: 128 Resp: 48682

Ion Ratio Lower Upper

128 100

127 15.3 10.4 15.6

129 15.7 8.6 13.0#

