

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001976.D
 Acq On : 25 May 2018 14:50
 Operator : JC/MD
 Sample : J3125-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Manual Integrations
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 5/29/2018 4:39:19 PM

Quant Time: May 26 02:03:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	463514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	283428	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
35) Dibromofluoromethane	5.51	113	220065	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	8.72	98	799285	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.14	95	291789	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	16412	7.636	ug/l	91
68) m/p-Xylenes	10.36	106	4324	0.486	ug/l	99
69) o-Xylene	10.70	106	5062	0.570	ug/l	94
78) n-propylbenzene	11.37	91	9081	0.421	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	27616	1.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	106670	6.267	ug/l	98
85) sec-Butylbenzene	11.95	105	6059	0.312	ug/l #	76
86) p-Isopropyltoluene	12.07	119	6194	0.356	ug/l	89
89) n-Butylbenzene	12.38	91	11784m	0.800	ug/l	
95) Naphthalene	13.84	128	126323	6.146	ug/l	97

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

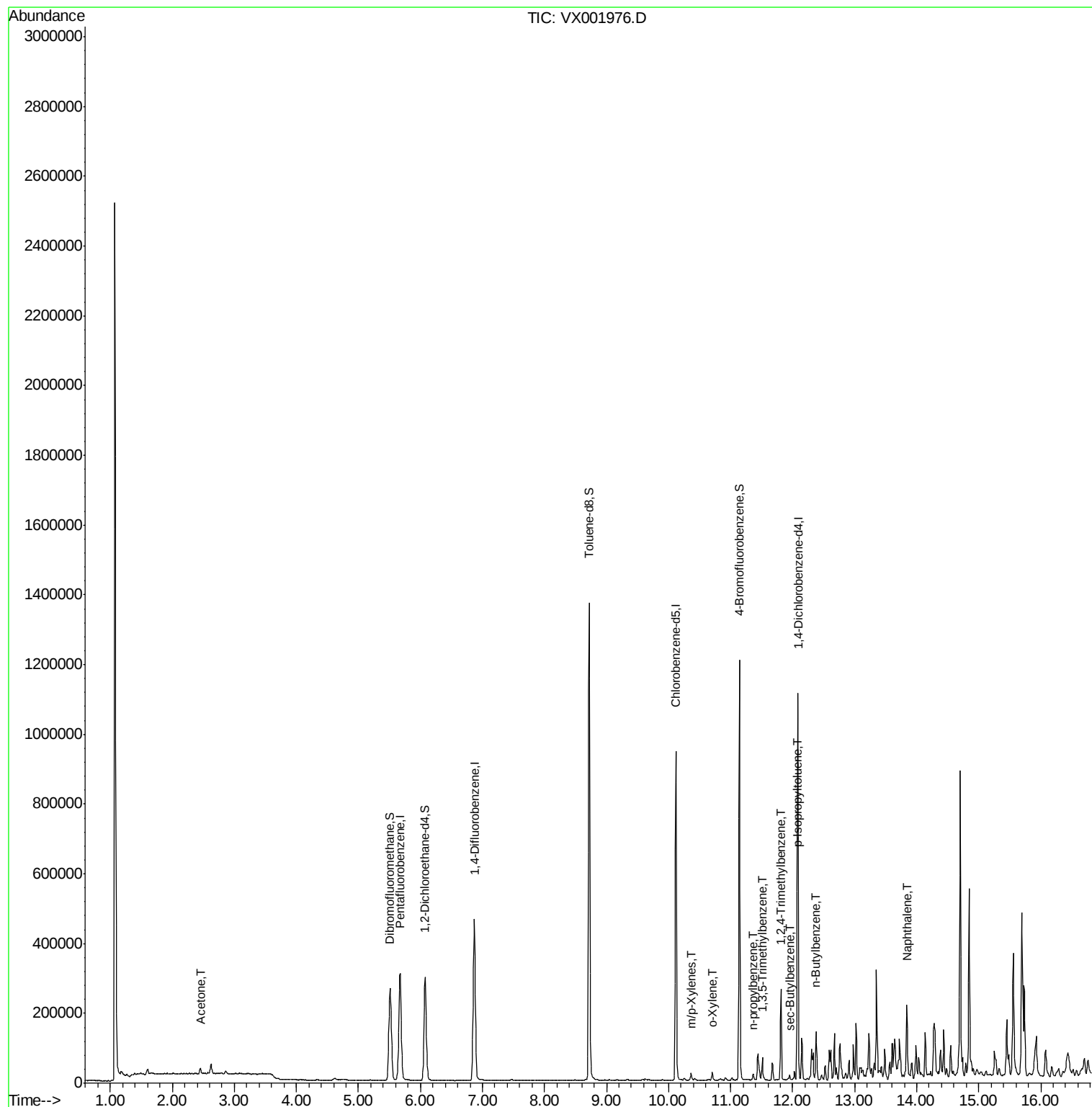
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
Data File : VX001976.D
Acq On : 25 May 2018 14:50
Operator : JC/MD
Sample : J3125-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
72-12013

Manual Integrations
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Quant Time: May 26 02:03:34 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

72-12013

Tot Ion:168 Resp: 311577

Ion Ratio Lower Upper

168 100

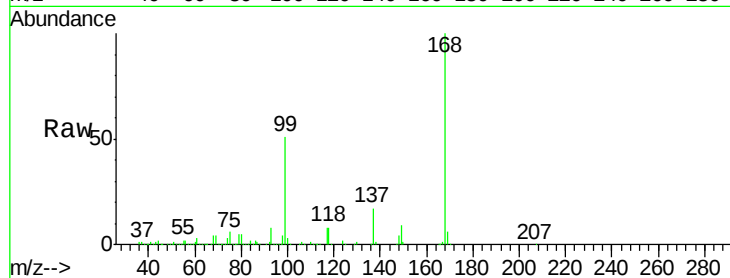
99 51.3 41.0 61.4

Manual Integrations

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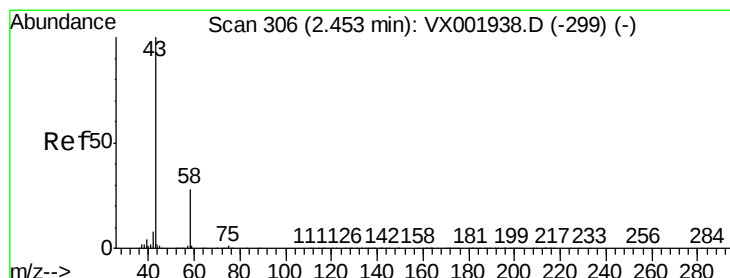
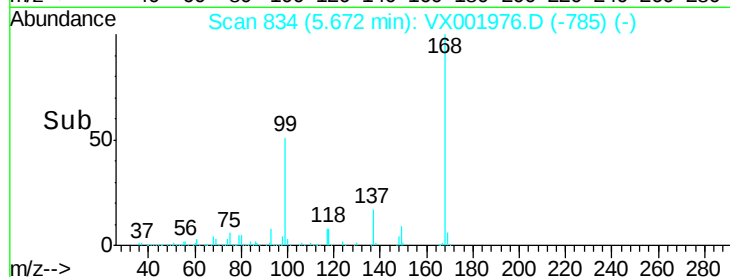
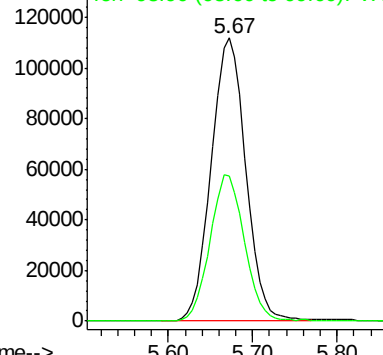
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.636 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001976.D

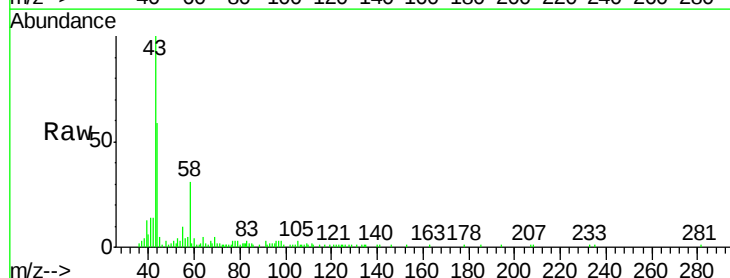
Acq: 25 May 2018 14:50

Tgt Ion: 43 Resp: 16412

Ion Ratio Lower Upper

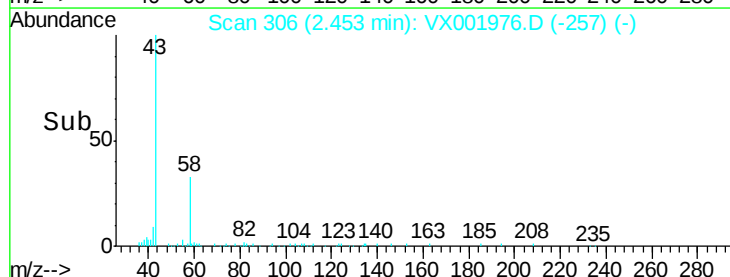
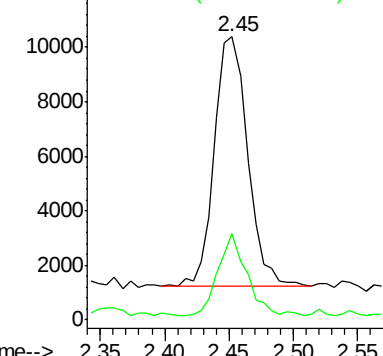
43 100

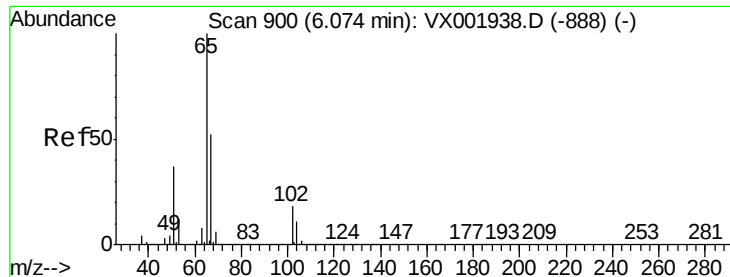
58 32.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





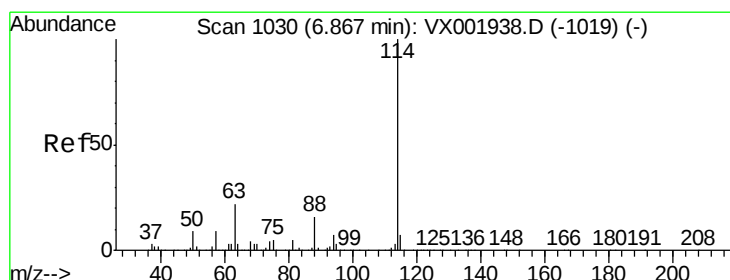
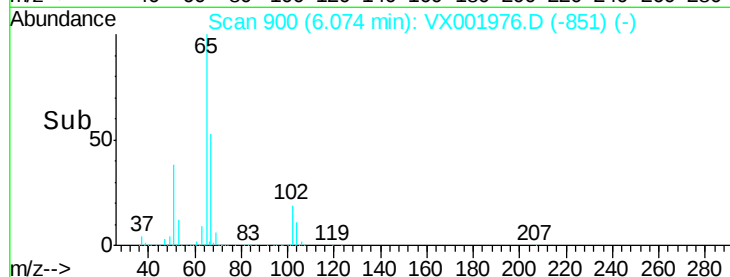
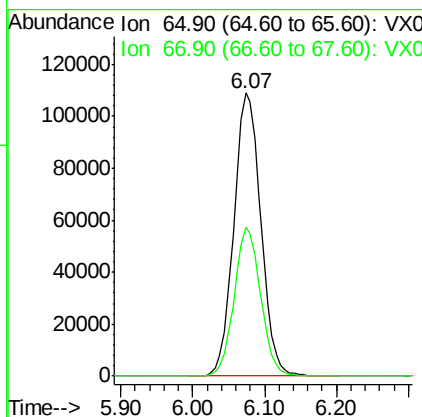
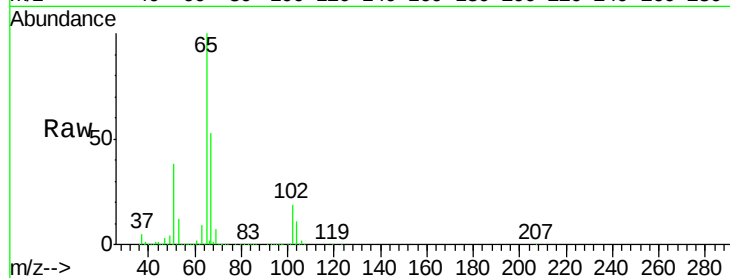
#33
 1,2-Dichloroethane-d4
 Concen: 50.890 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001976.D
 Acq: 25 May 2018 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Tot Ion	Ratio	Resp	Lower	Upper
65	100	283428		
67	51.3	0.0	104.0	

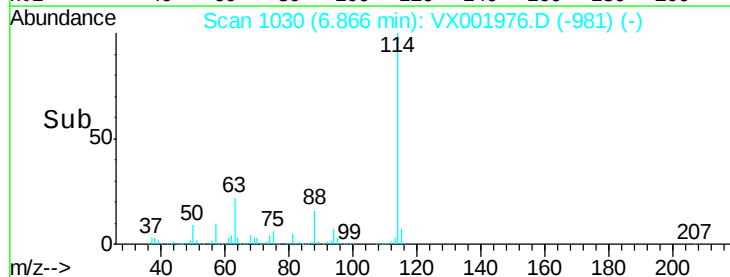
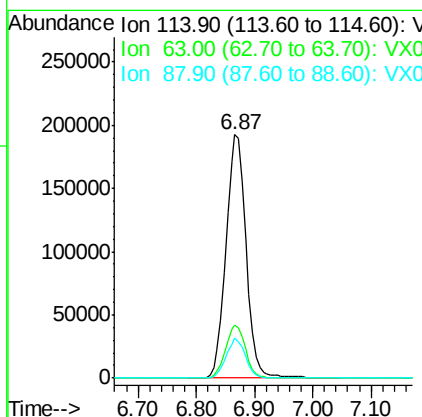
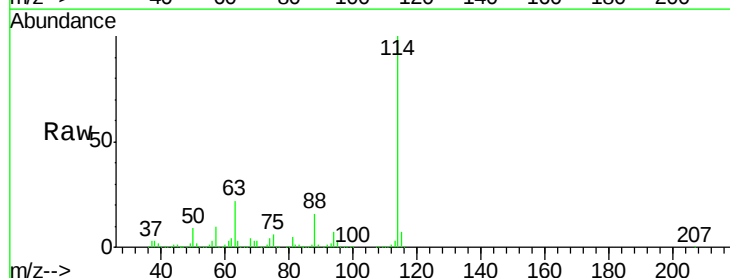
Manual Integrations
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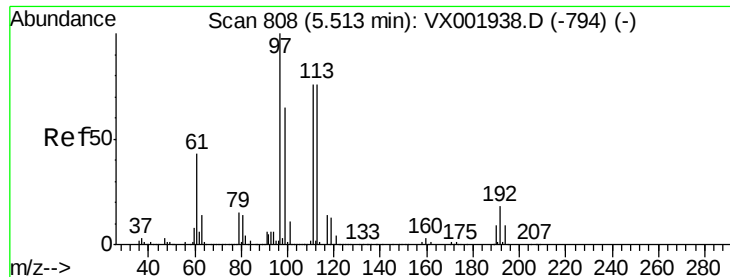
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001976.D
 Acq: 25 May 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	463514		
63	21.8	0.0	43.2	
88	16.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 47.477 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

Instrument :

MSVOA_X

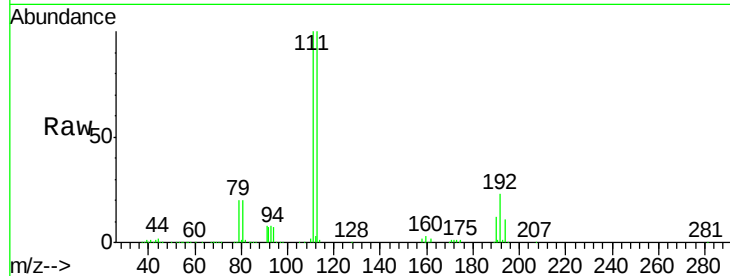
ClientSampleId :

72-12013

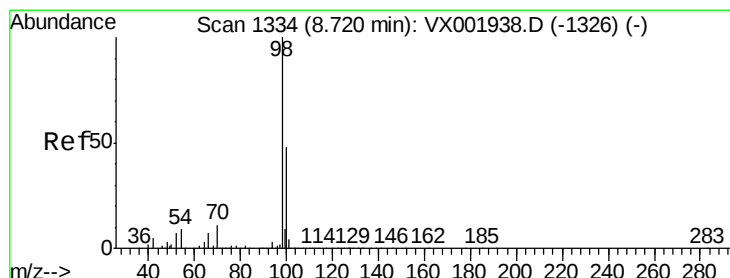
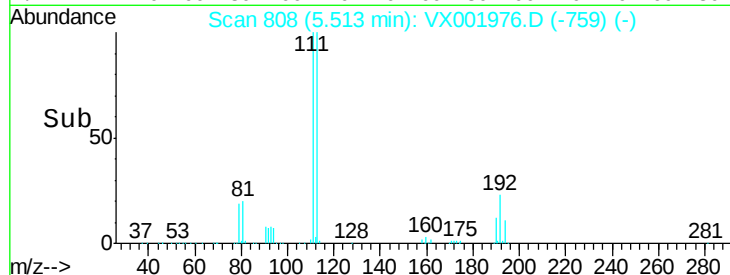
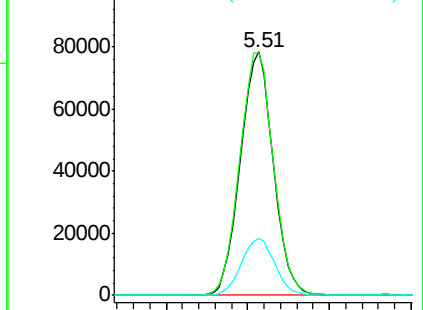
Tot Ion:	113	Resp:	220065
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.0	123.0
192	23.7	18.9	28.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 47.631 ug/l

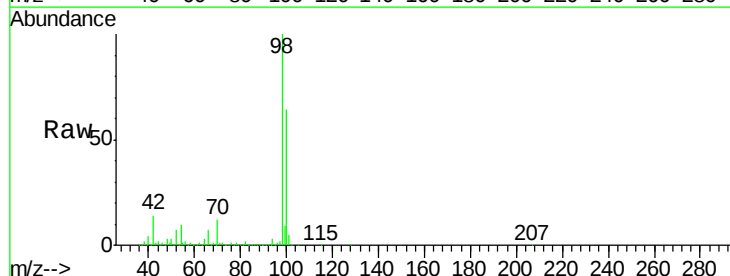
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

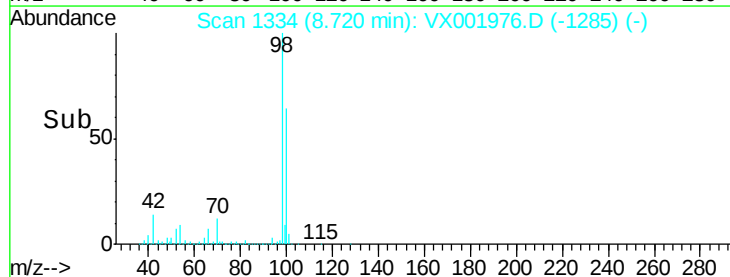
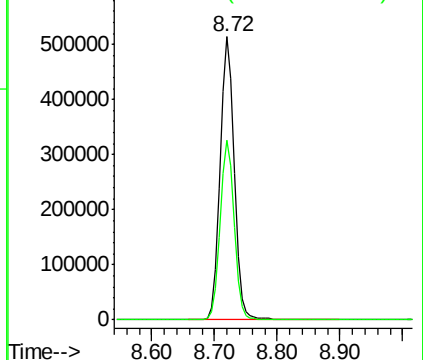
Lab File: VX001976.D

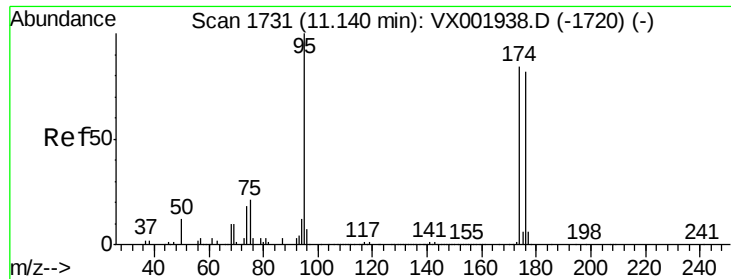
Acq: 25 May 2018 14:50

Tgt Ion:	98	Resp:	799285
Ion Ratio	Lower	Upper	
98	100		
100	63.5	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.442 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

72-12013

Tot Ion: 95 Resp: 291789

Ion Ratio Lower Upper

95 100

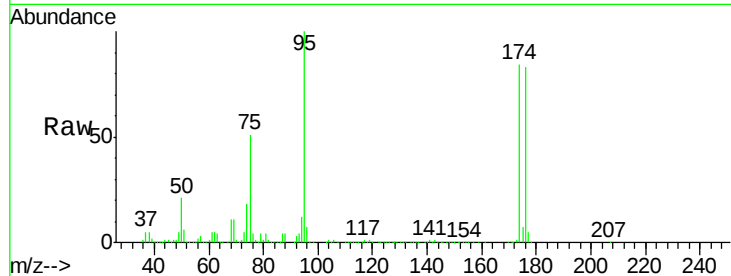
174 89.4 0.0 178.8

176 88.6 0.0 175.6

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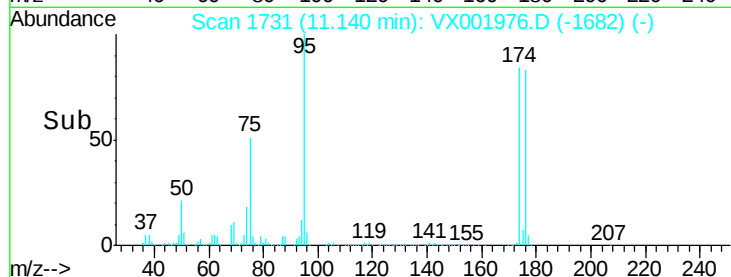


Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

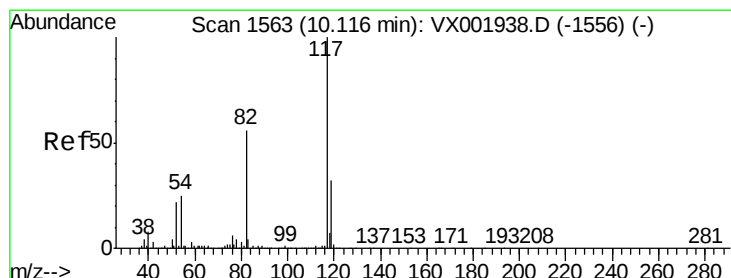
Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

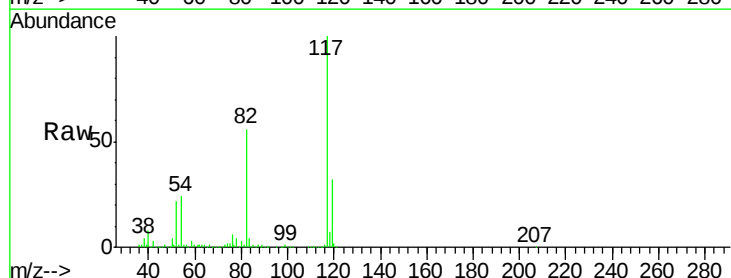
Tgt Ion: 117 Resp: 422460

Ion Ratio Lower Upper

117 100

82 55.6 44.8 67.2

119 32.0 25.5 38.3

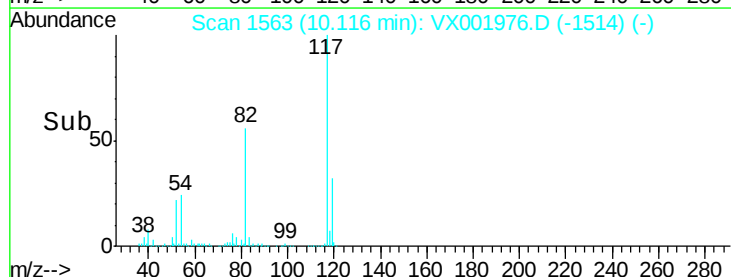


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

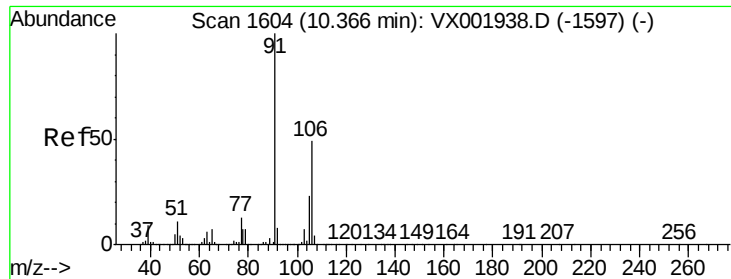
Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)

Time-->



Time-->



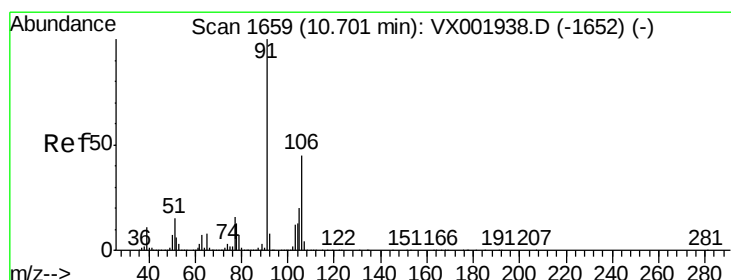
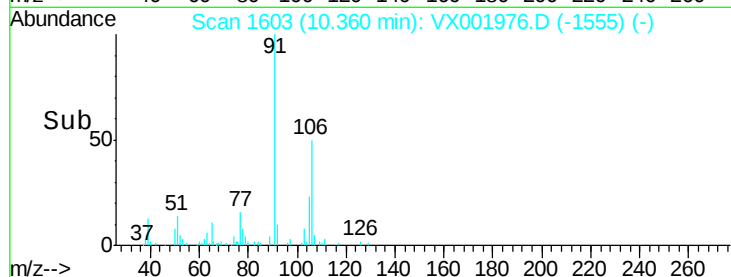
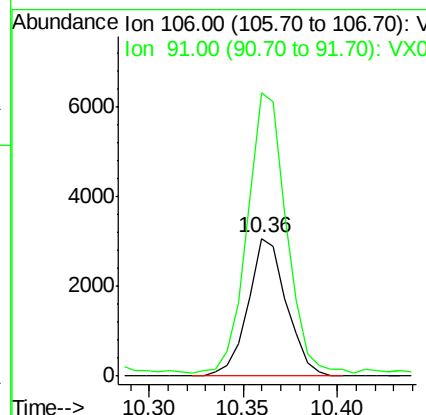
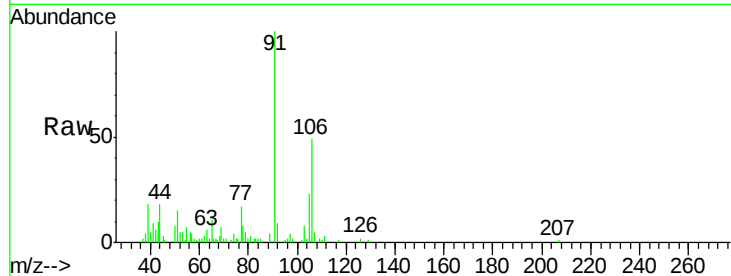
#68
m/p-Xvlenes
Concen: 0.486 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001976.D
Acq: 25 May 2018 14:50

Instrument :
MSVOA_X
ClientSampleId :
72-12013

Tot Ion:106 Resp: 4324
Ion Ratio Lower Upper
106 100
91 204.7 165.0 247.6

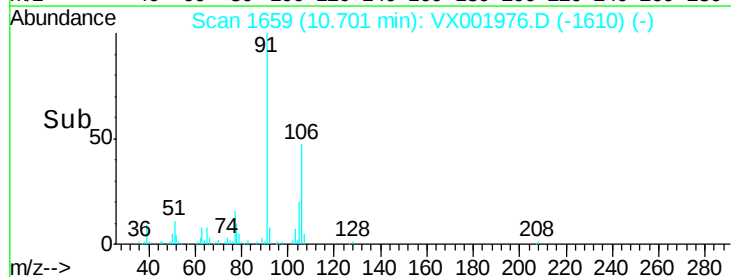
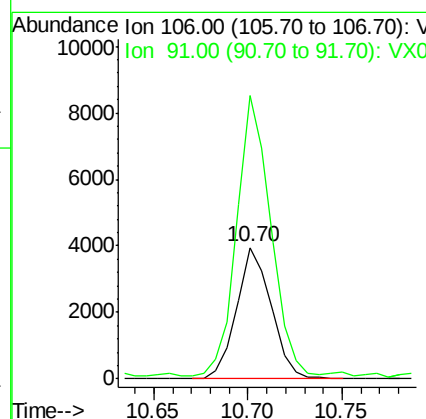
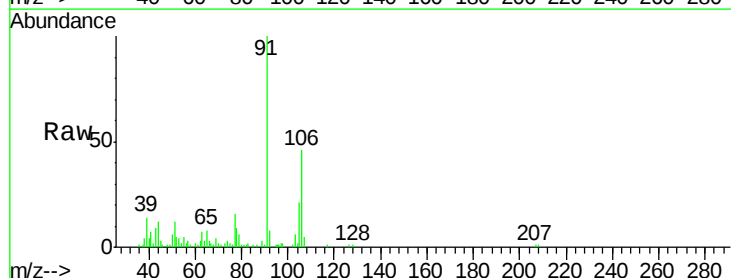
Manual Integrations
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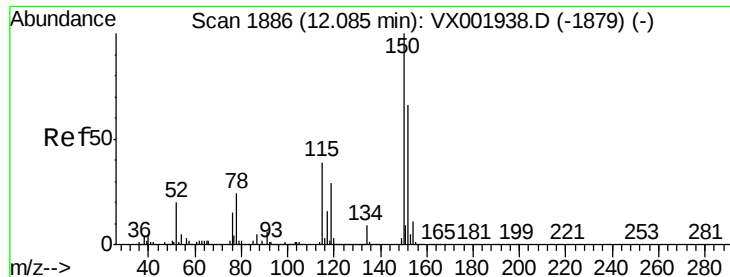
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#69
o-Xylene
Concen: 0.570 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX001976.D
Acq: 25 May 2018 14:50

Tgt Ion:106 Resp: 5062
Ion Ratio Lower Upper
106 100
91 208.3 108.7 325.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

Instrument :

MSVOA_X

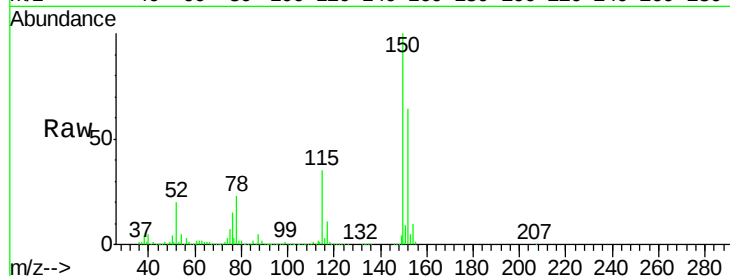
ClientSampleId :

72-12013

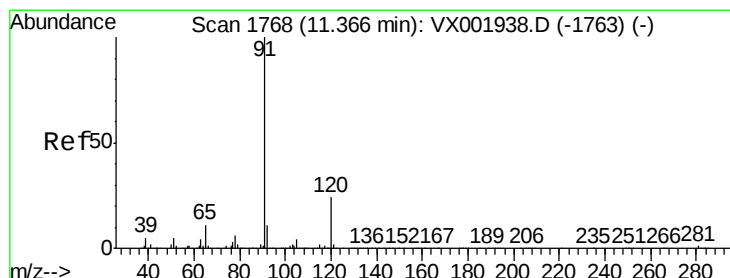
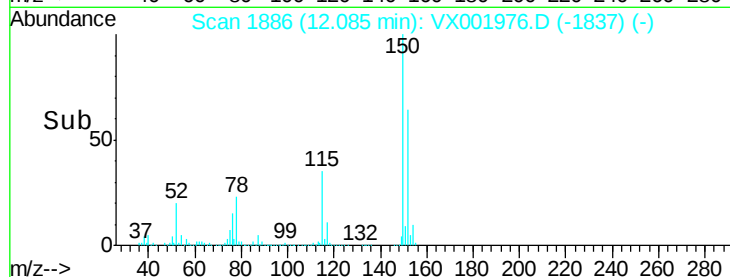
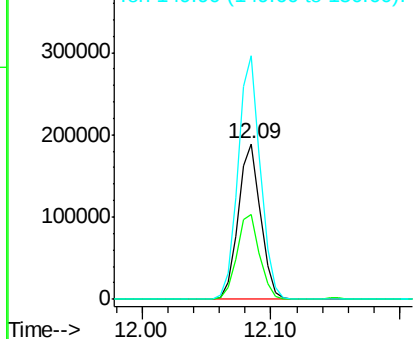
Tot Ion:	152	Resp:	227592
Ion Ratio	Lower	Upper	
152	100		
115	55.5	42.3	126.8
150	156.7	0.0	351.0

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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



#78

n-propylbenzene

Concen: 0.421 ug/l

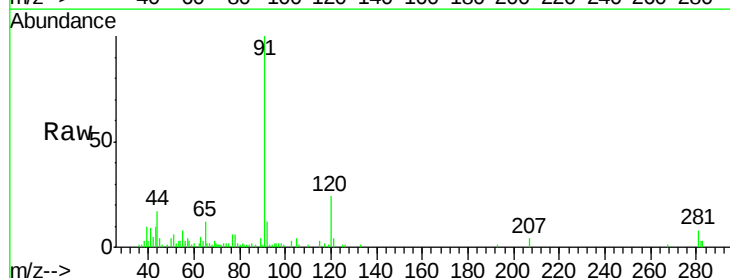
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

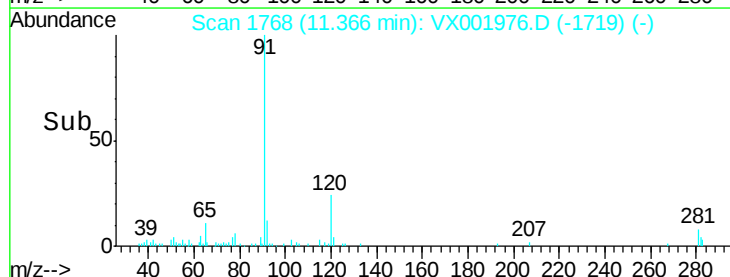
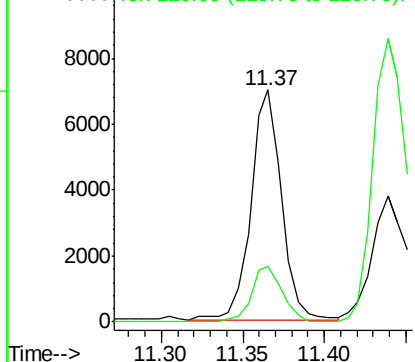
Lab File: VX001976.D

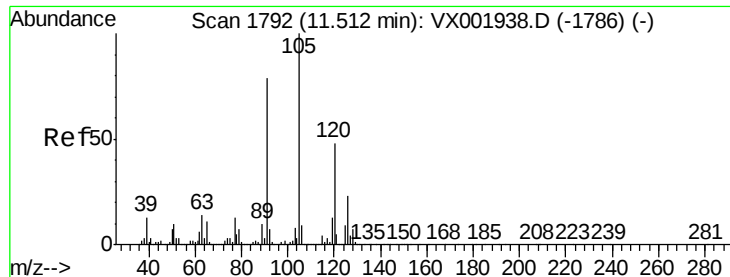
Acq: 25 May 2018 14:50

Tgt Ion:	91	Resp:	9081
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.677 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001976.D

Acq: 25 May 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

72-12013

Tot Ion:105 Resp: 27616

Ion Ratio Lower Upper

105 100

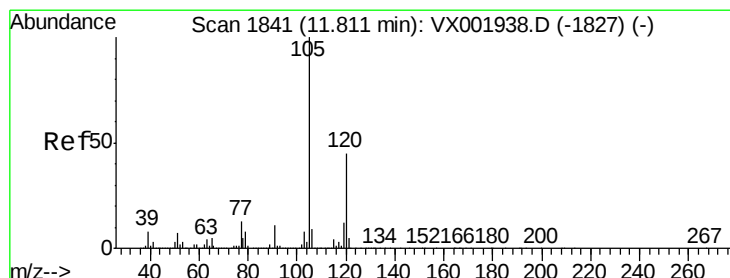
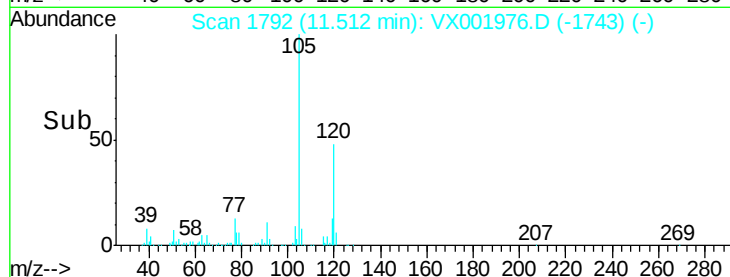
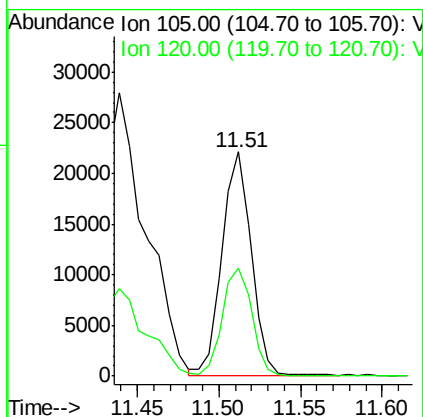
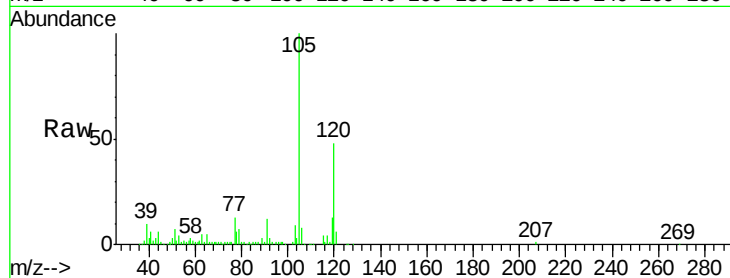
120 47.8 24.1 72.4

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#84

1,2,4-Trimethylbenzene

Concen: 6.267 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001976.D

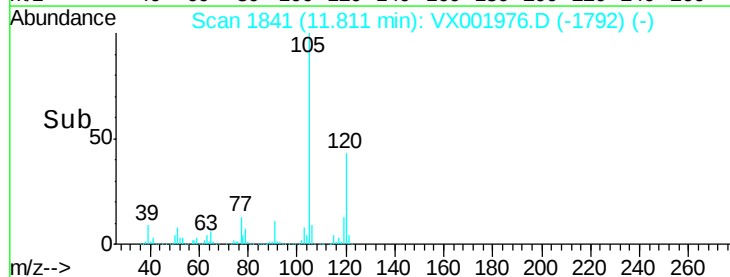
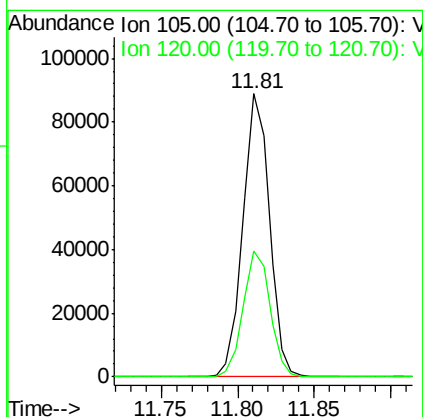
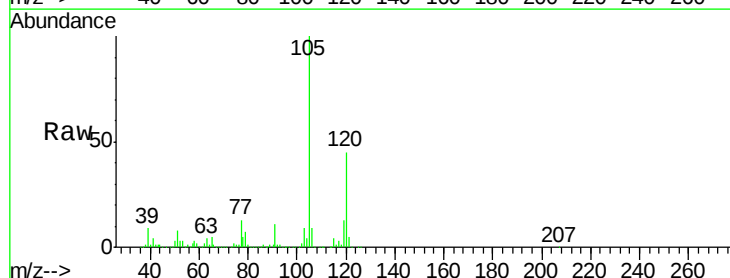
Acq: 25 May 2018 14:50

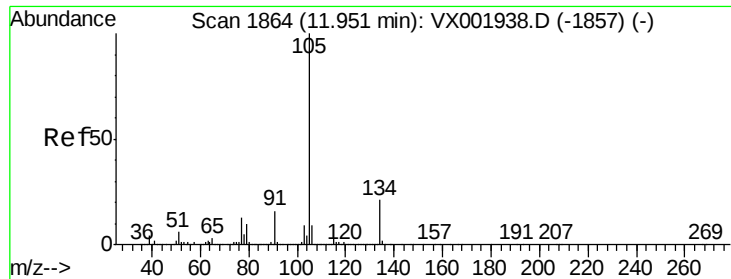
Tgt Ion:105 Resp: 106670

Ion Ratio Lower Upper

105 100

120 45.6 22.1 66.5





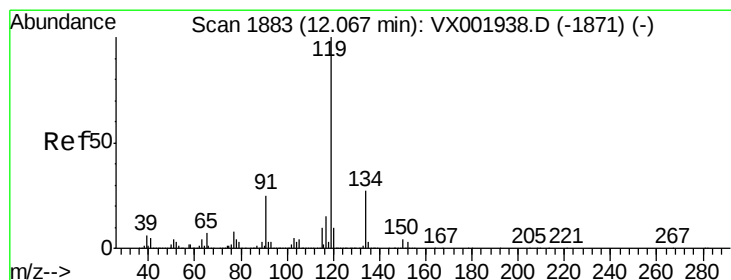
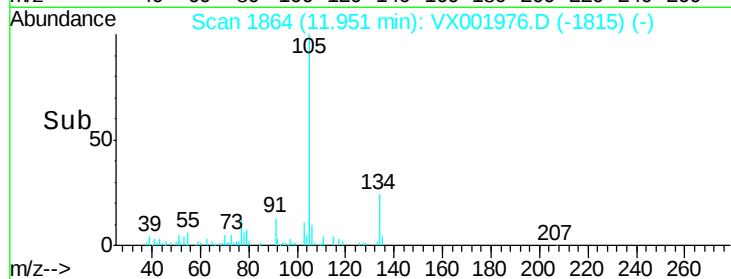
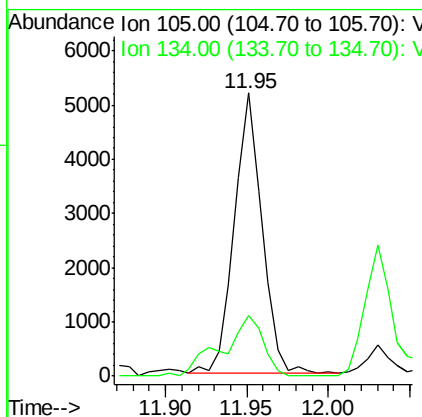
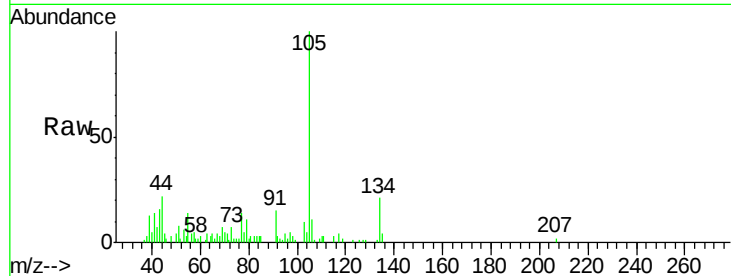
#85
 sec-Butylbenzene
 Concen: 0.312 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001976.D
 Acq: 25 May 2018 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Tot Ion	Ratio	Lower	Upper
105	100		
134	32.0	10.4	31.4#

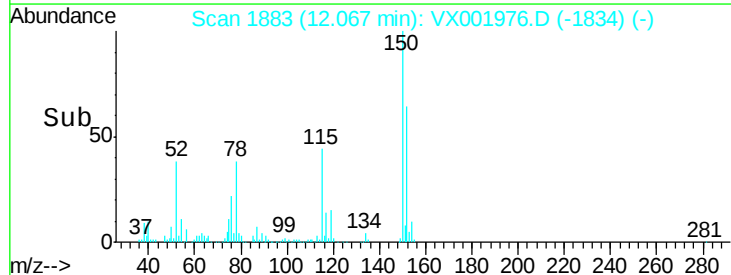
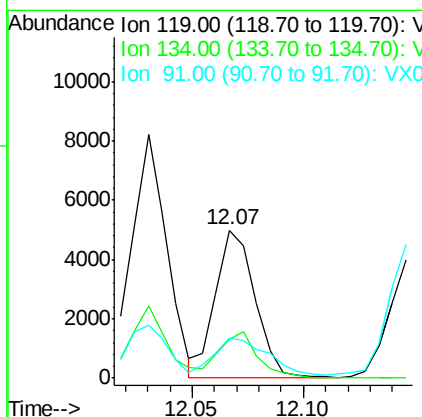
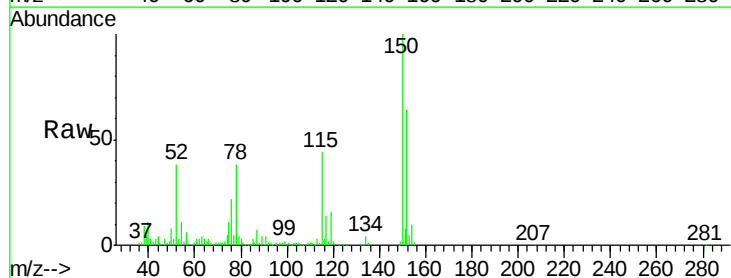
Manual Integrations
 APPROVED

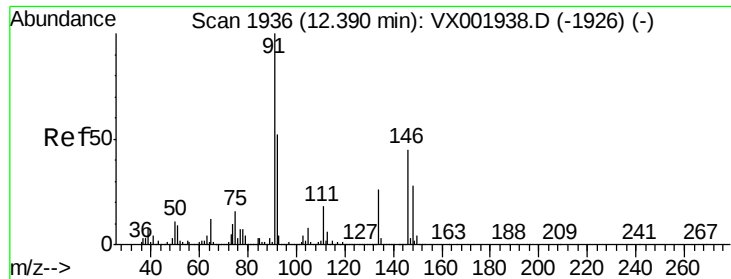
MMDadoda
 5/29/2018 4:39:19 PM



#86
 p-Isopropyltoluene
 Concen: 0.356 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX001976.D
 Acq: 25 May 2018 14:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.6	13.6	40.8
91	33.1	12.2	36.4





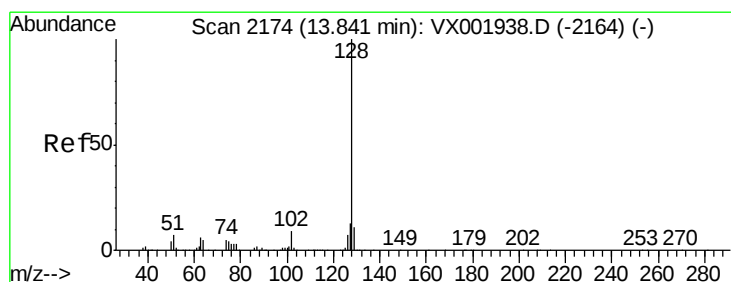
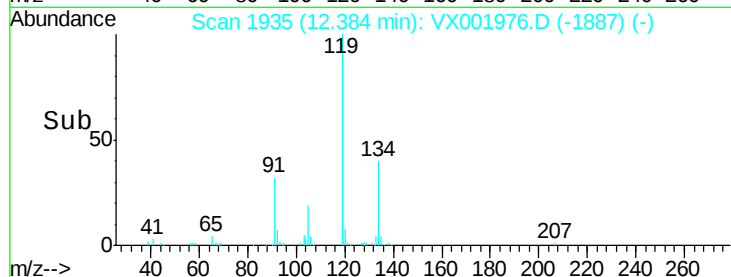
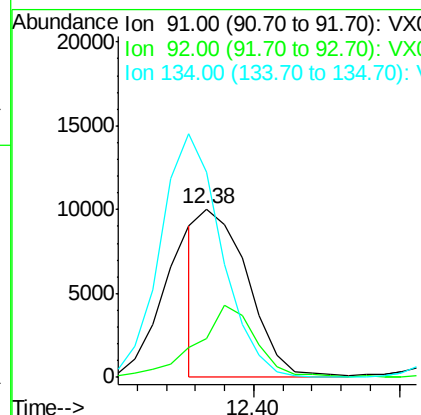
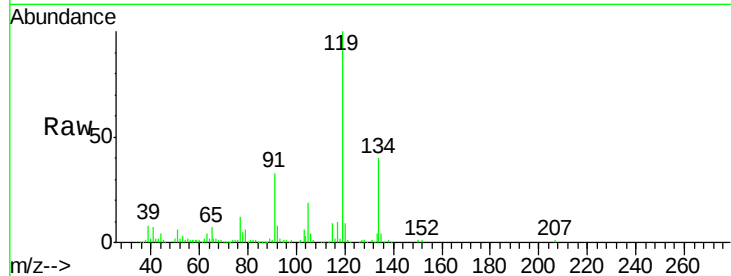
#89
n-Butylbenzene
Concen: 0.800 ug/l m
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX001976.D
Acq: 25 May 2018 14:50

Instrument :
MSVOA_X
ClientSampled :
72-12013

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	178.0	13.6	40.7#

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:19 PM



#95
Naphthalene
Concen: 6.146 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001976.D
Acq: 25 May 2018 14:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	12.4	8.8	13.2

