

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX002012.D
 Acq On : 26 May 2018 07:41
 Operator : JC/MD
 Sample : J3064-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

Manual Integrations
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Quant Time: May 29 02:30:04 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	286082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233073	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	269014	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
35) Dibromofluoromethane	5.51	113	208396	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
50) Toluene-d8	8.72	98	767587	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.14	95	288877	45.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.08	59	164272	163.652	ug/l	99
16) Acetone	2.45	43	30805	15.609	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	95462	7.612	ug/l	100
25) 2-Butanone	4.72	43	17302	4.783	ug/l	93
31) Cyclohexane	5.58	56	23169	3.288	ug/l	98
39) Methylcyclohexane	7.46	83	30603	4.015	ug/l	98
40) Benzene	6.15	78	7147	0.393	ug/l #	83
51) 4-Methyl-2-Pentanone	8.66	43	31270	3.849	ug/l	99
52) Toluene	8.79	92	2929	0.253	ug/l	96
67) Ethyl Benzene	10.26	91	13691	0.601	ug/l	99
69) o-Xylene	10.71	106	4052	0.466	ug/l	90
73) Isopropylbenzene	11.02	105	193137	9.786	ug/l	98
78) n-propylbenzene	11.37	91	339874	15.375	ug/l	99
83) tert-Butylbenzene	11.77	119	24003	1.450	ug/l	91
85) sec-Butylbenzene	11.95	105	102151	5.134	ug/l	85
86) p-Isopropyltoluene	12.07	119	37535	2.108	ug/l	97
89) n-Butylbenzene	12.39	91	11914m	0.790	ug/l	
95) Naphthalene	13.84	128	130053	6.178	ug/l #	94

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

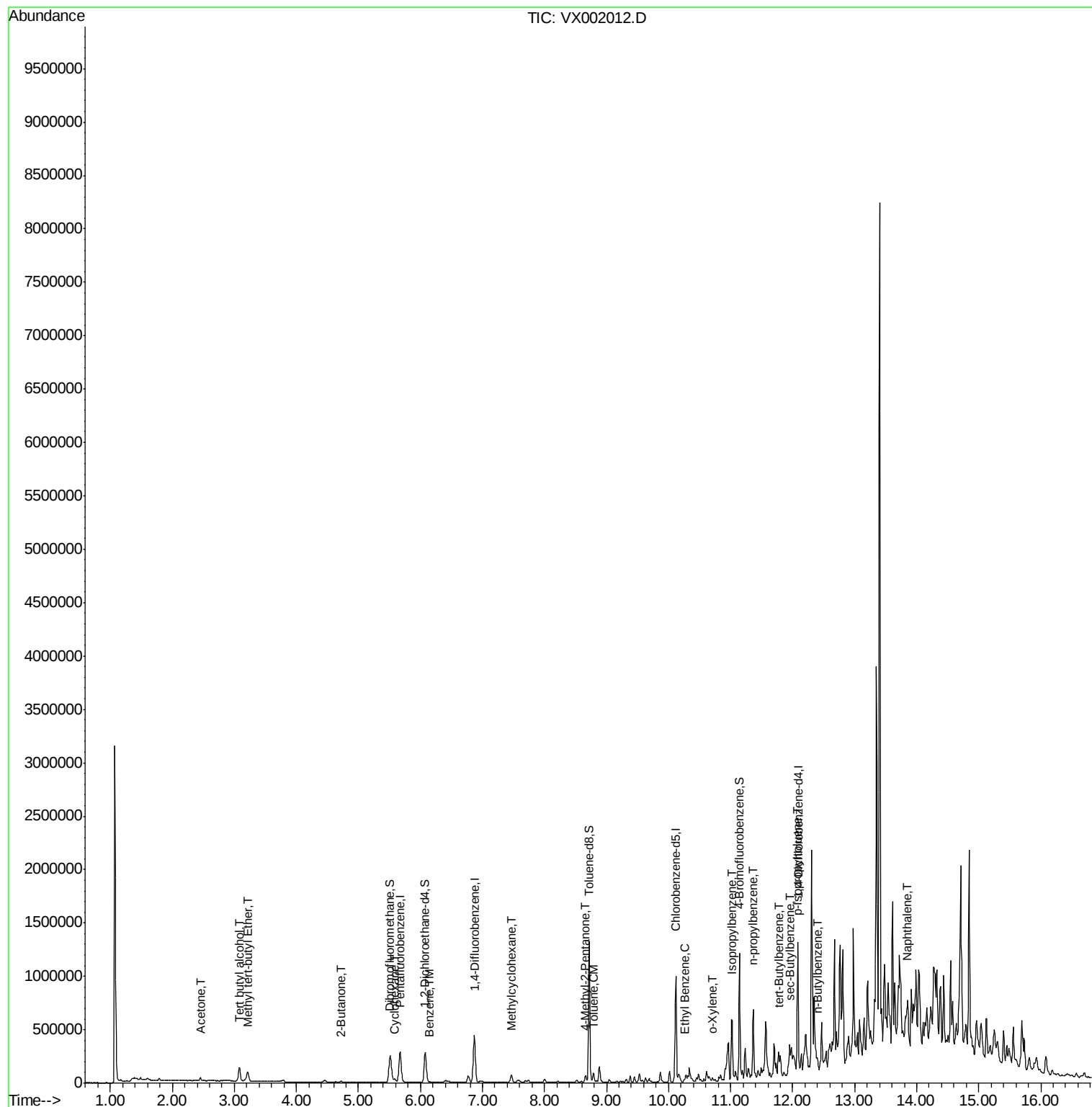
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
Data File : VX002012.D
Acq On : 26 May 2018 07:41
Operator : JC/MD
Sample : J3064-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

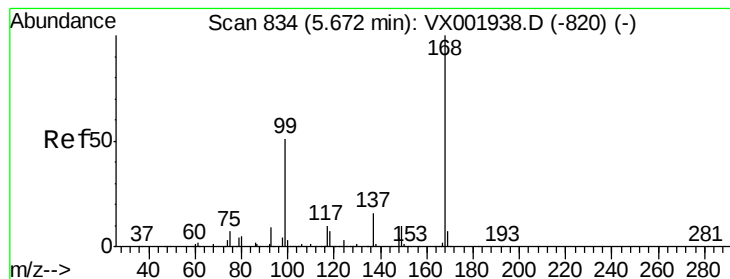
Instrument :
MSVOA_X
ClientSampleId :
MW-18

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Quant Time: May 29 02:30:04 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

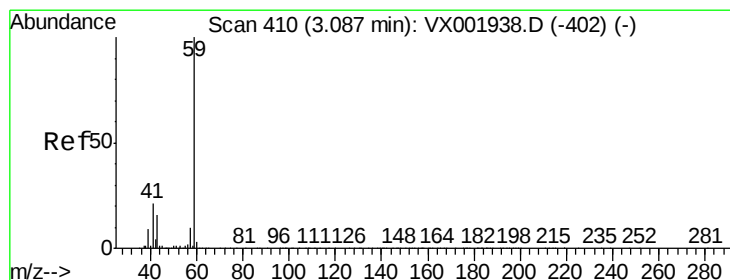
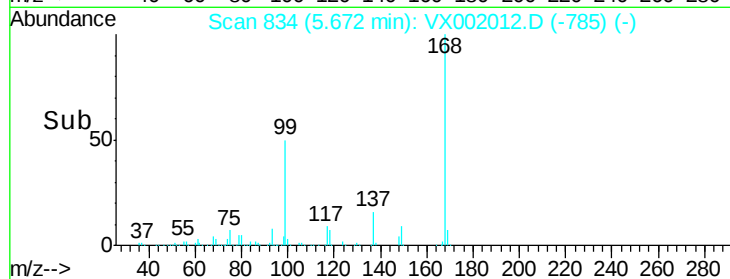
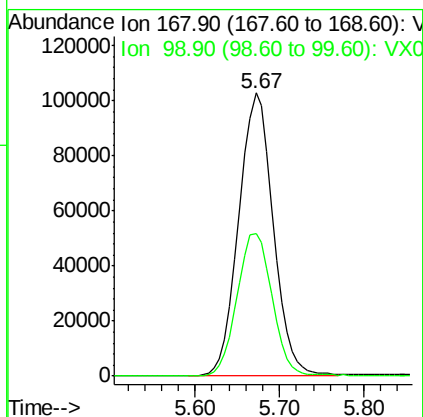
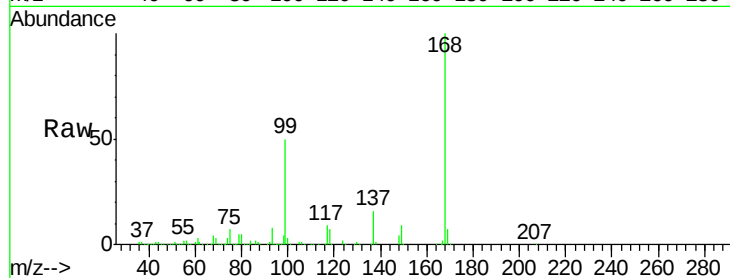
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Instrument :
 MSVOA_X
 ClientSampled :
 MW-18

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.4	41.0	61.4

Manual Integrations
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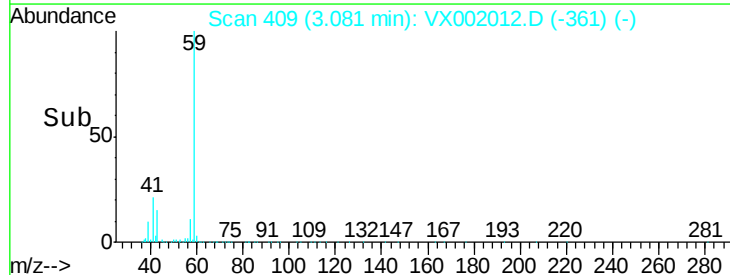
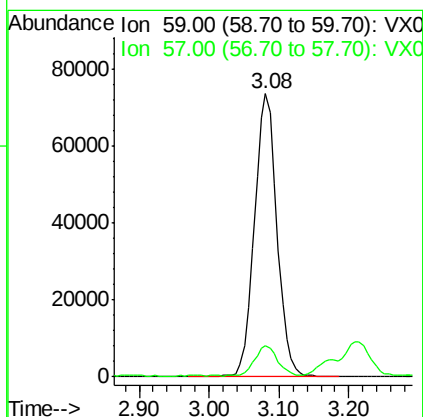
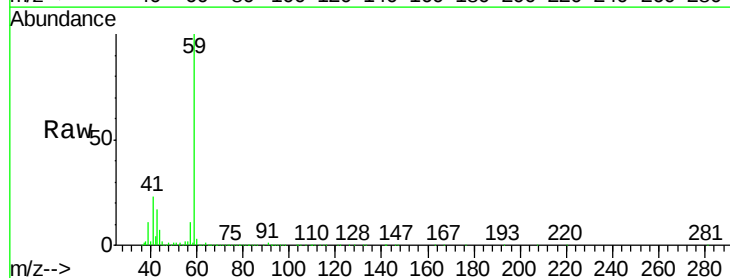
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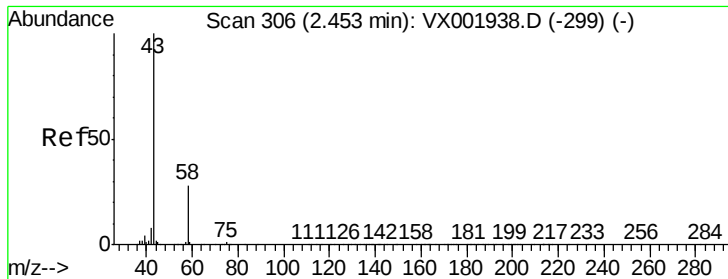


#11

Tert butyl alcohol
 Concen: 163.652 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.9	13.3





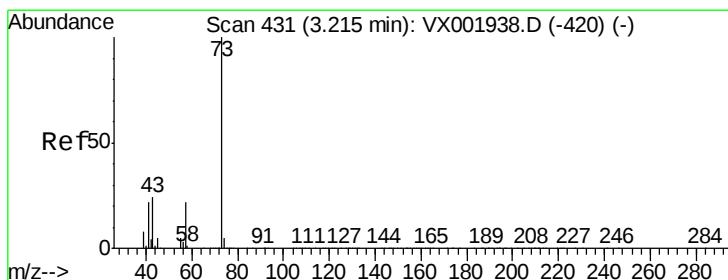
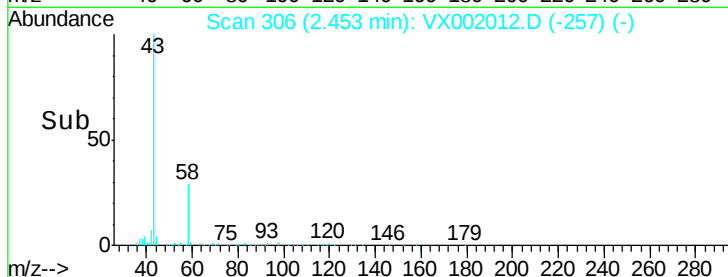
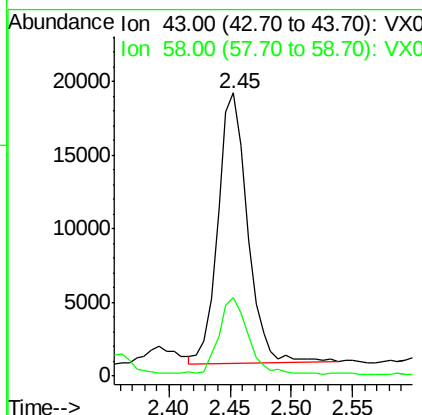
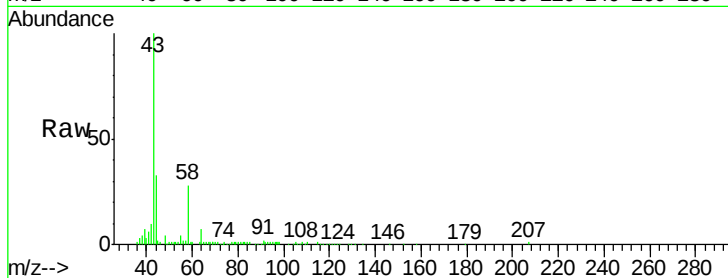
#16
Acetone
Concen: 15.609 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	28.3	22.3	33.5

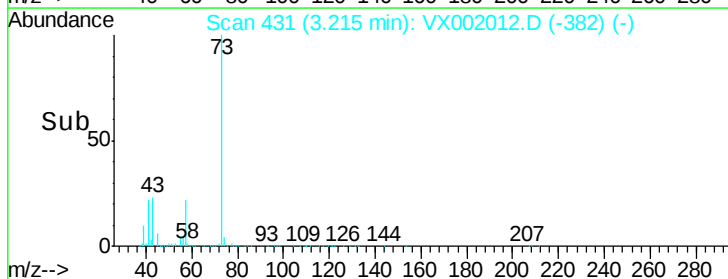
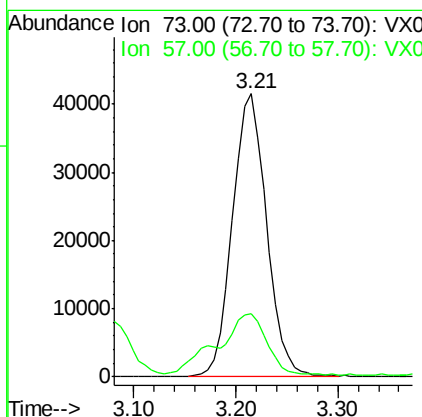
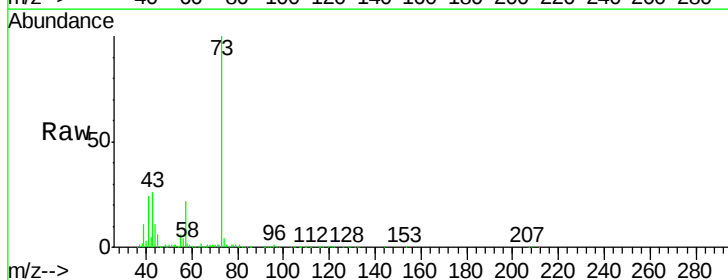
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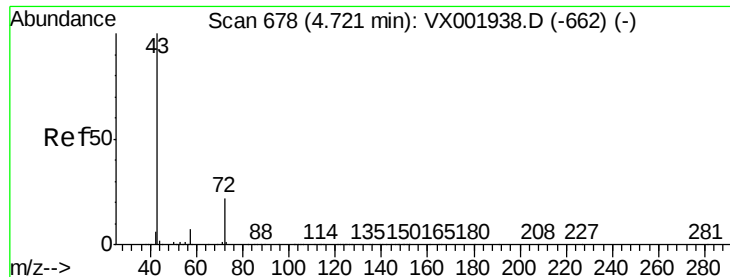
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#19
Methyl tert-butyl Ether
Concen: 7.612 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.6	17.4	26.0





#25

2-Butanone

Concen: 4.783 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Instrument :

MSVOA_X

ClientSampled :

MW-18

Tot Ion: 43 Resp: 17302

Ion Ratio Lower Upper

43 100

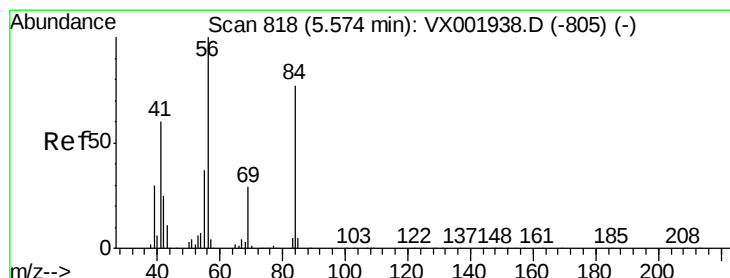
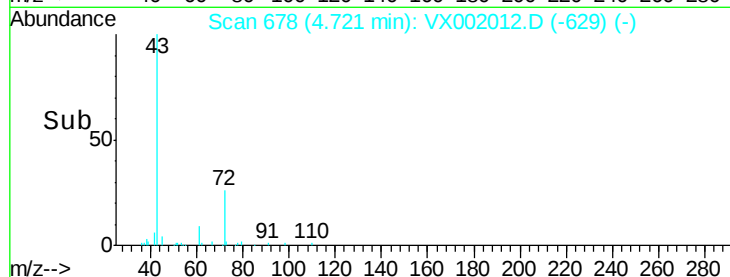
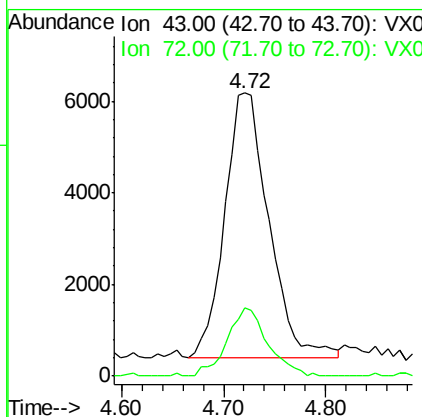
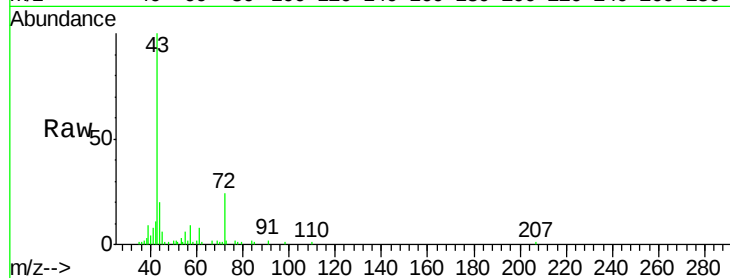
72 25.8 17.9 26.9

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#31

Cyclohexane

Concen: 3.288 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

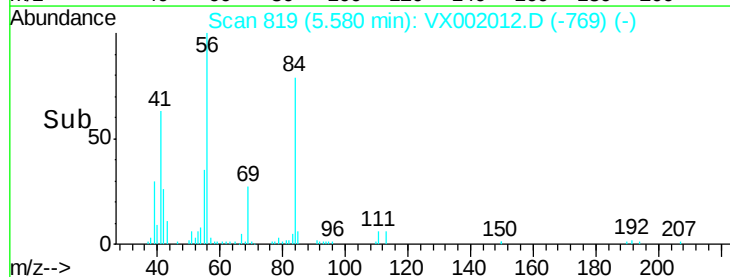
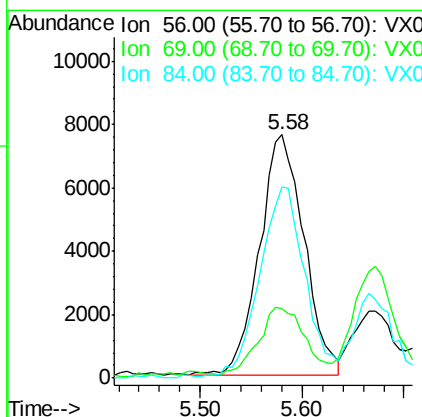
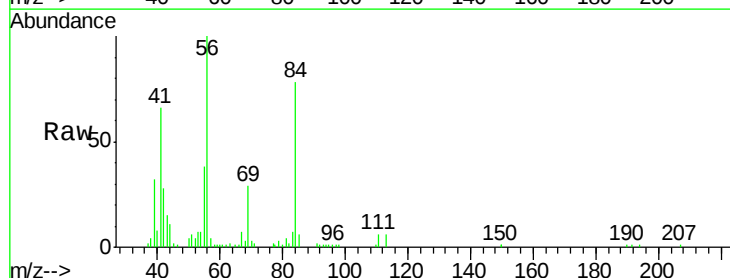
Tgt Ion: 56 Resp: 23169

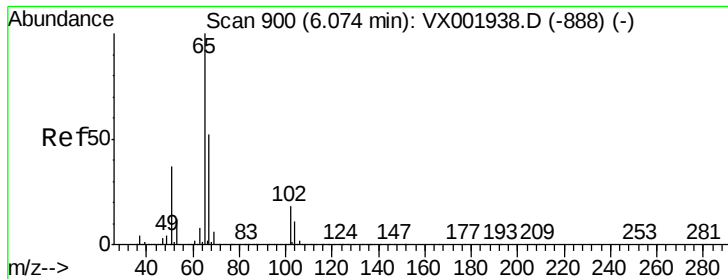
Ion Ratio Lower Upper

56 100

69 25.9 23.1 34.7

84 77.9 62.0 93.0





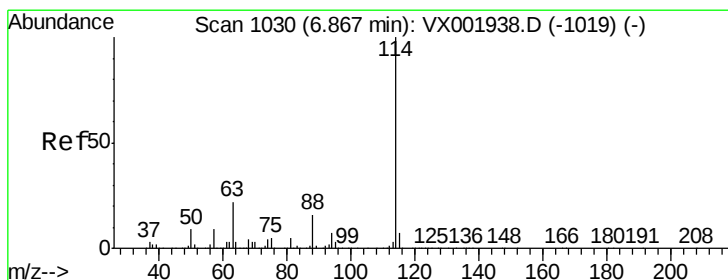
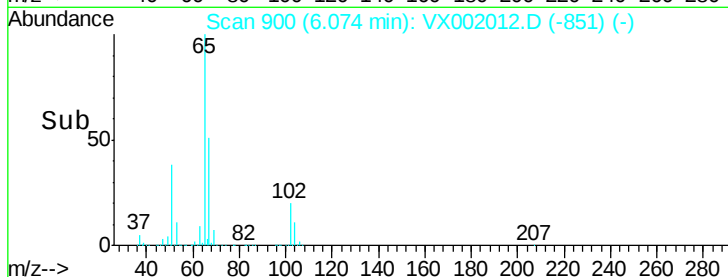
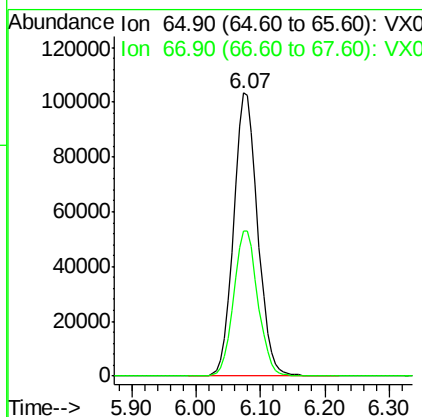
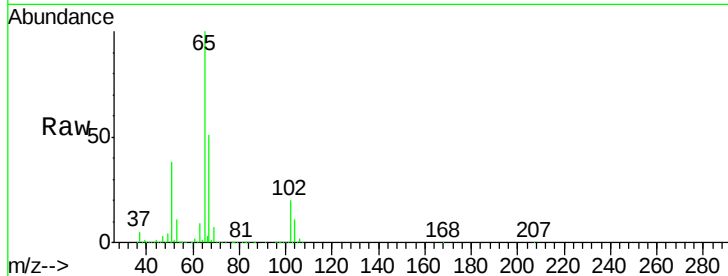
#33
 1,2-Dichloroethane-d4
 Concen: 52.606 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269014		
67	52.0	0.0	104.0	

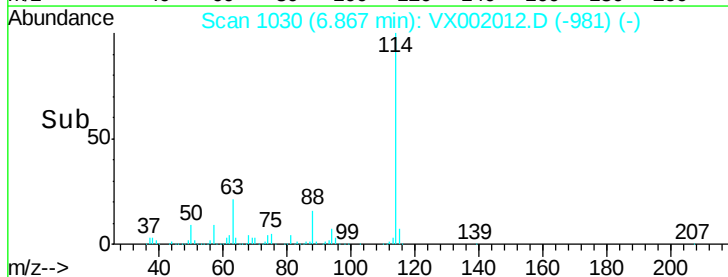
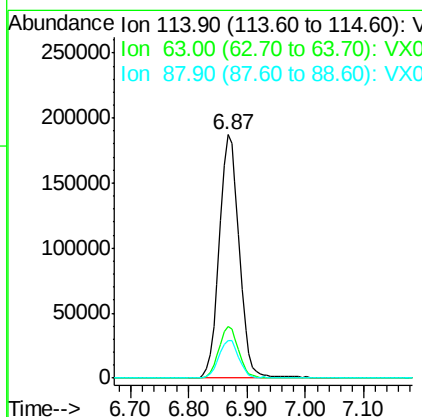
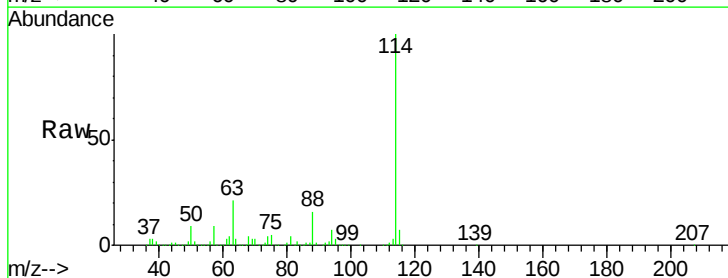
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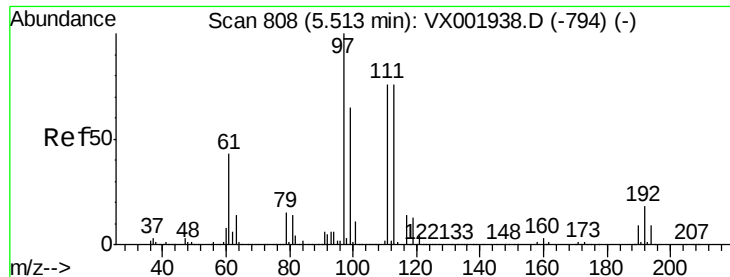
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446043		
63	21.1	0.0	43.2	
88	15.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 46.721 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Instrument :

MSVOA_X

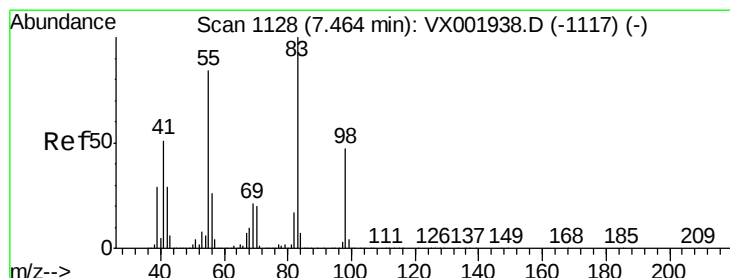
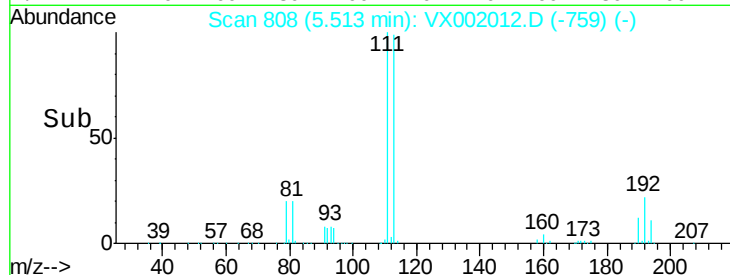
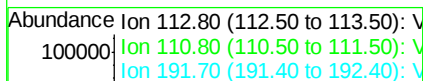
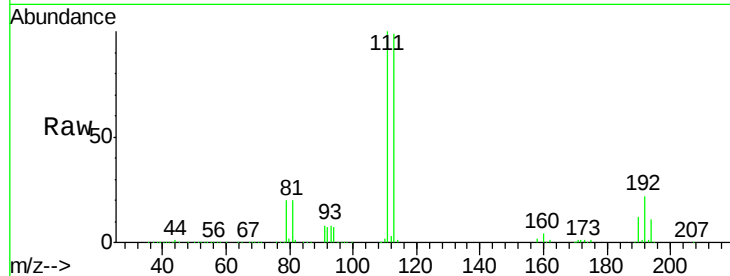
ClientSampled :

MW-18

Tot Ion:	113	Resp:	208396
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.0	123.0
192	23.7	18.9	28.3

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#39

Methylcyclohexane

Concen: 4.015 ug/l

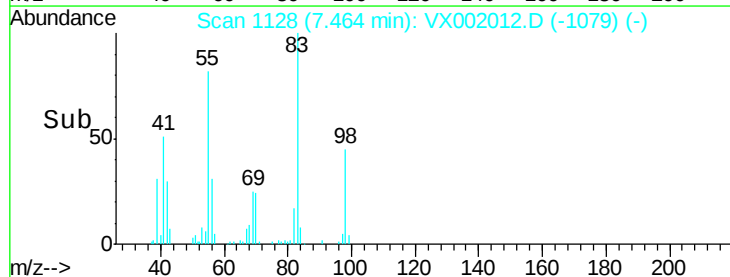
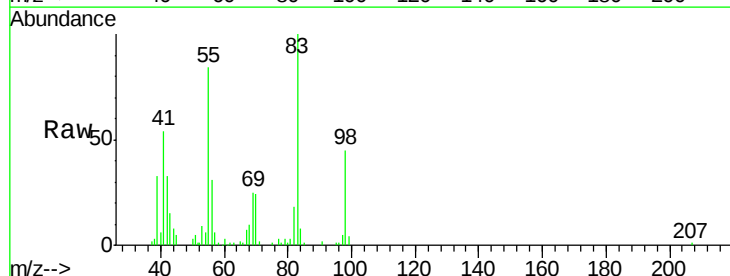
RT: 7.46 min Scan# 1128

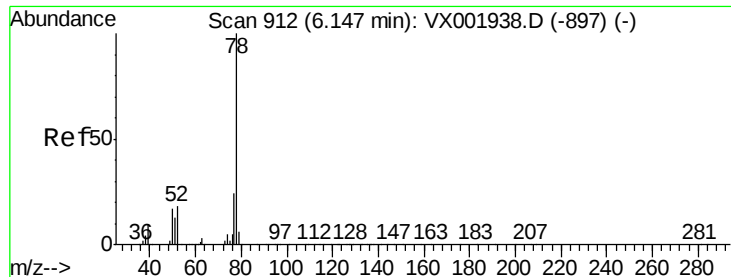
Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Tgt Ion:	83	Resp:	30603
Ion Ratio	Lower	Upper	
83	100		
55	82.5	67.3	100.9
98	44.5	37.5	56.3





#40

Benzene

Concen: 0.393 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Instrument :

MSVOA_X

ClientSampled :

MW-18

Tot Ion: 78 Resp: 7147

Ion Ratio Lower Upper

78 100

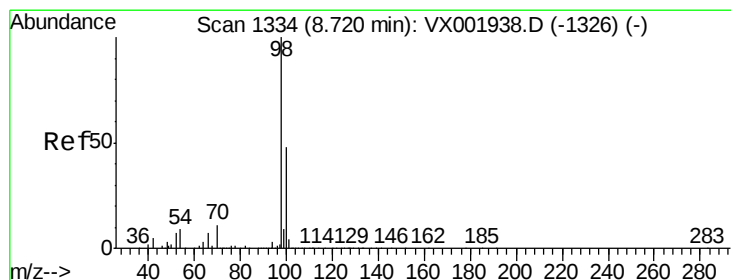
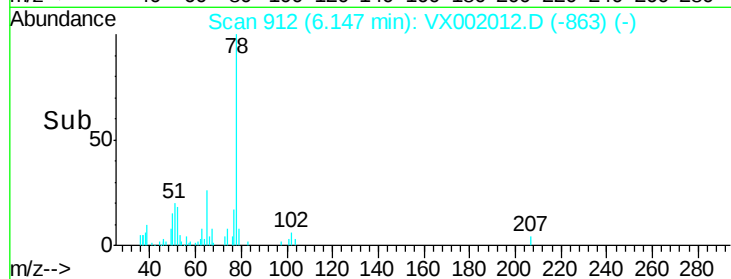
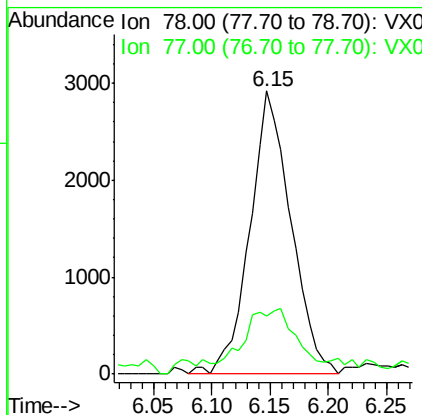
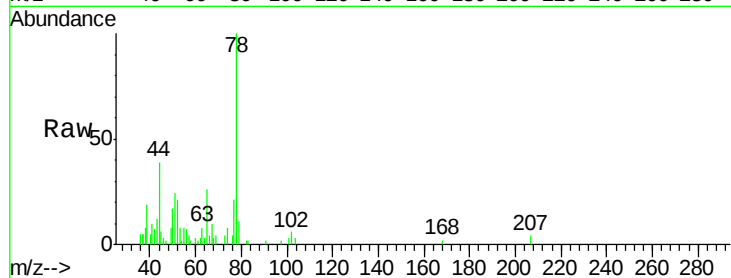
77 15.8 19.1 28.7#

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#50

Toluene-d8

Concen: 47.533 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002012.D

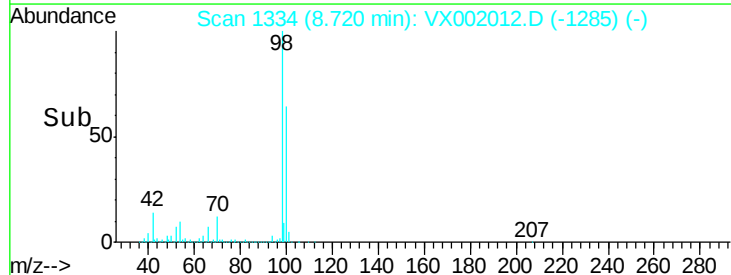
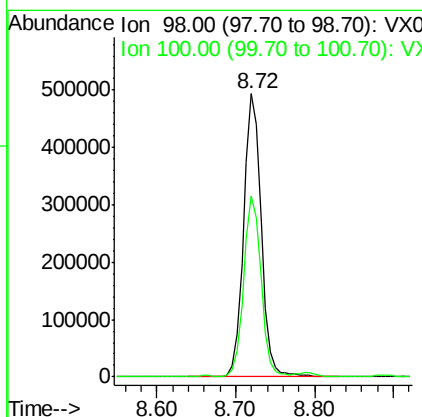
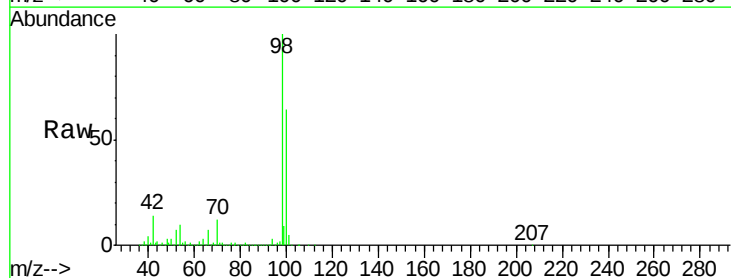
Acq: 26 May 2018 07:41

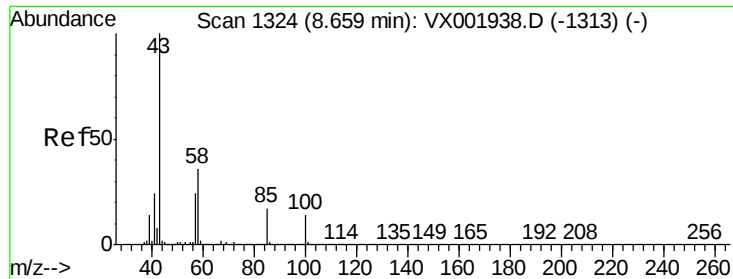
Tgt Ion: 98 Resp: 767587

Ion Ratio Lower Upper

98 100

100 62.4 51.5 77.3





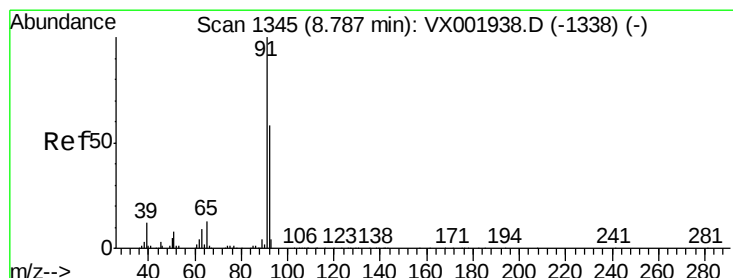
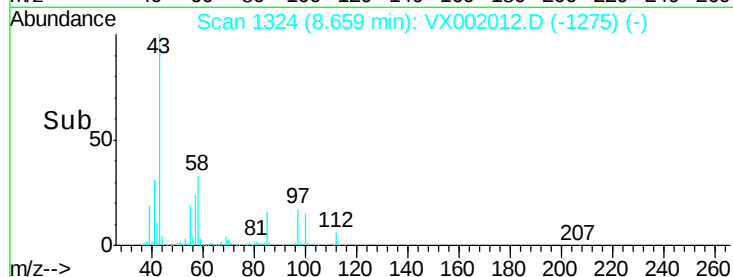
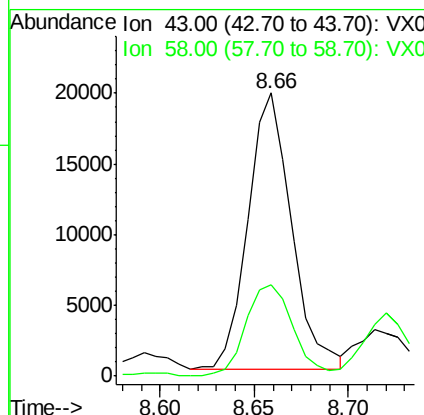
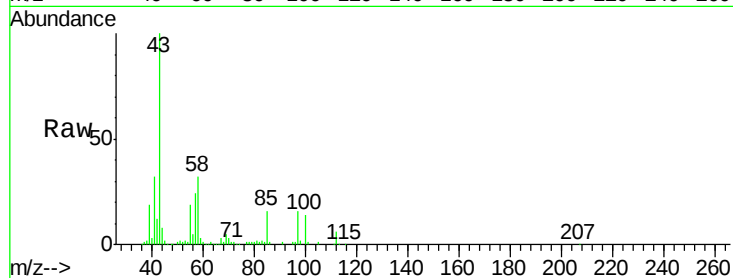
#51
4-Methyl-2-Pentanone
Concen: 3.849 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion: 43 Resp: 31270
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7

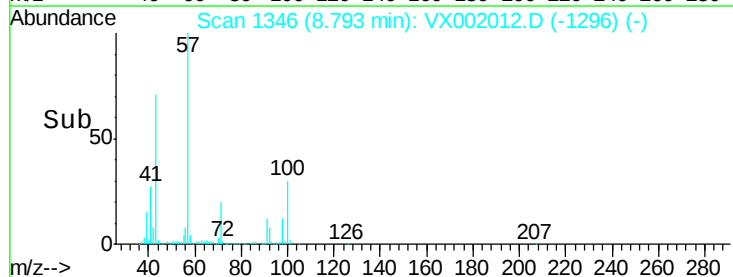
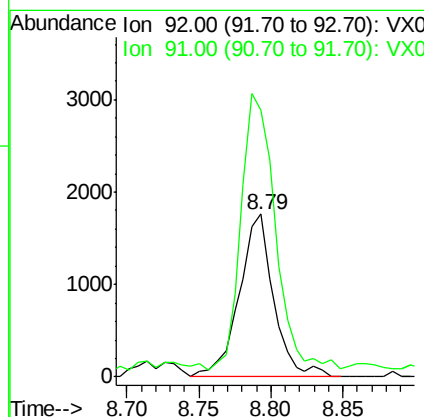
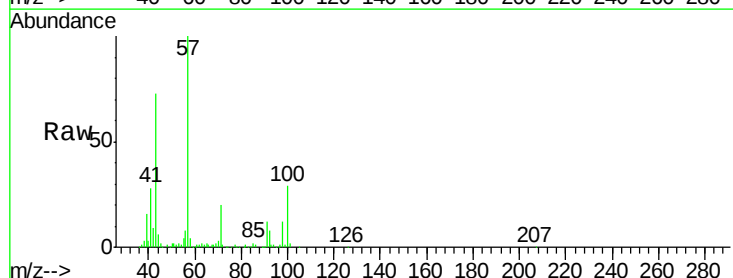
Manual Integrations
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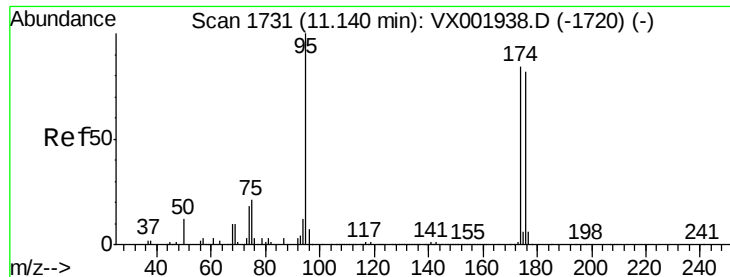
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#52
Toluene
Concen: 0.253 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Tgt Ion: 92 Resp: 2929
Ion Ratio Lower Upper
92 100
91 168.5 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 45.722 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Instrument :

MSVOA_X

ClientSampleId :

MW-18

Tot Ion: 95 Resp: 288877

Ion Ratio Lower Upper

95 100

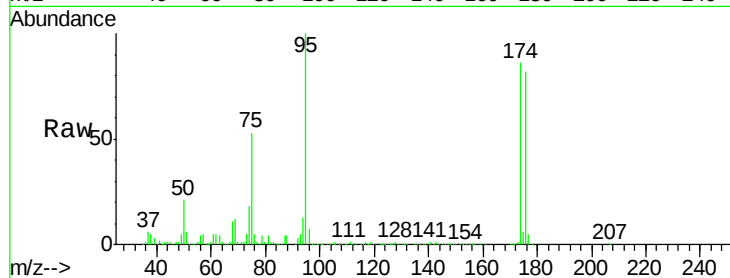
174 91.0 0.0 178.8

176 88.4 0.0 175.6

Manual Integrations
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apatel

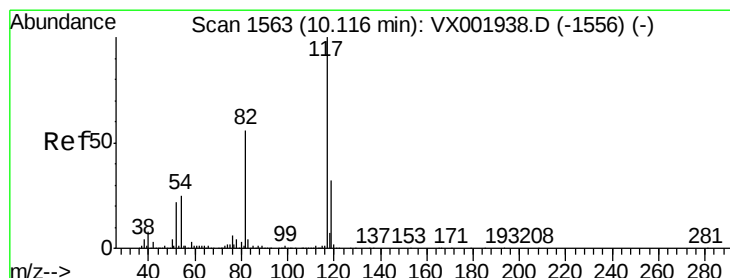
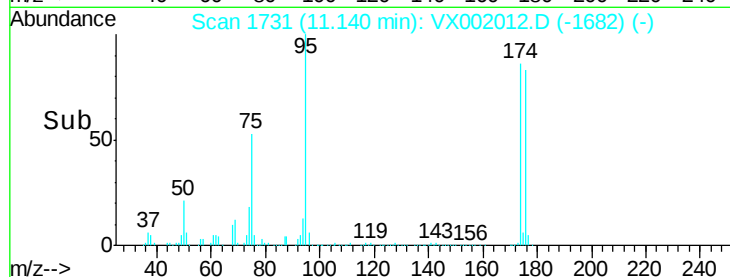
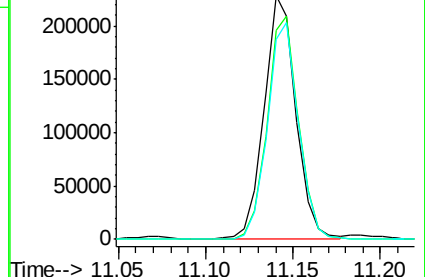
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Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

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

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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

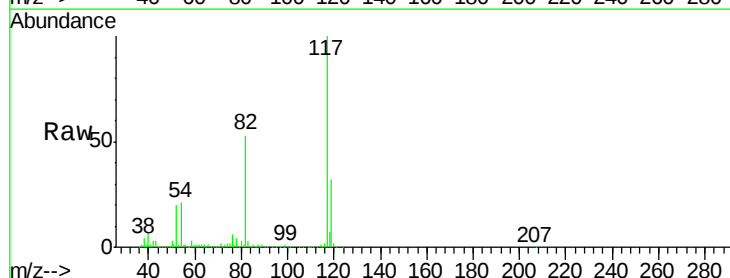
Tgt Ion: 117 Resp: 413557

Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

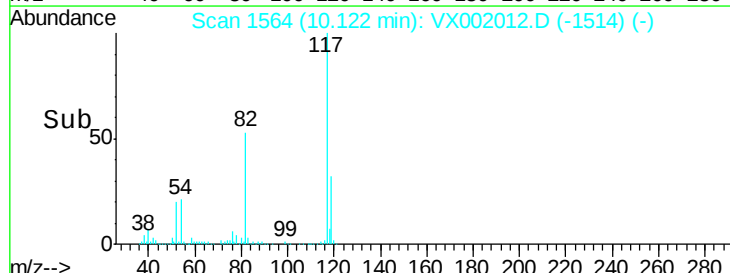
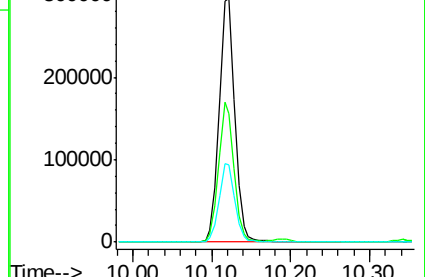
119 31.8 25.5 38.3

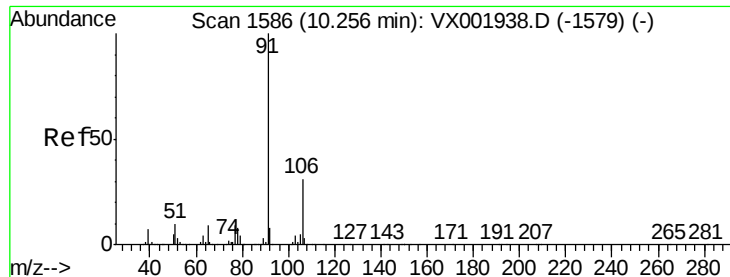


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

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

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





#67

Ethyl Benzene

Concen: 0.601 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002012.D

Acq: 26 May 2018 07:41

Instrument :

MSVOA_X

ClientSampled :

MW-18

Tot Ion: 91 Resp: 13691

Ion Ratio Lower Upper

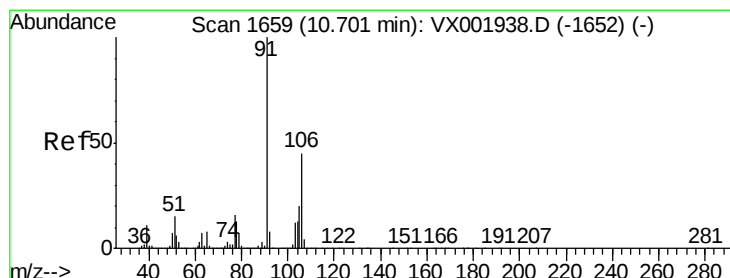
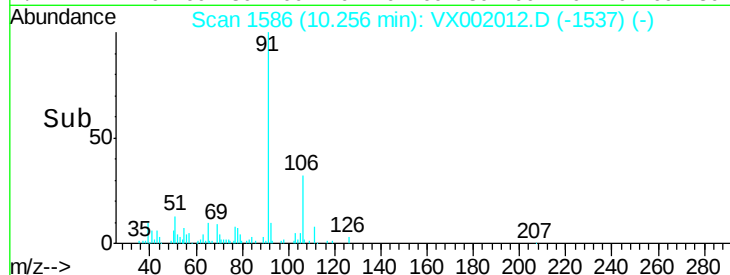
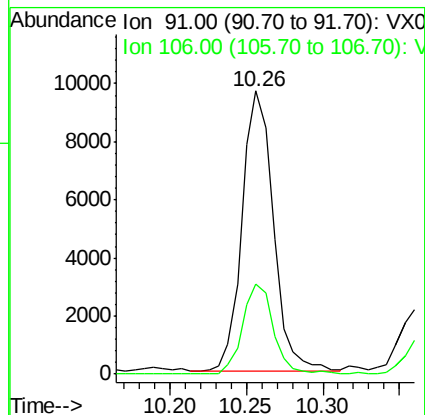
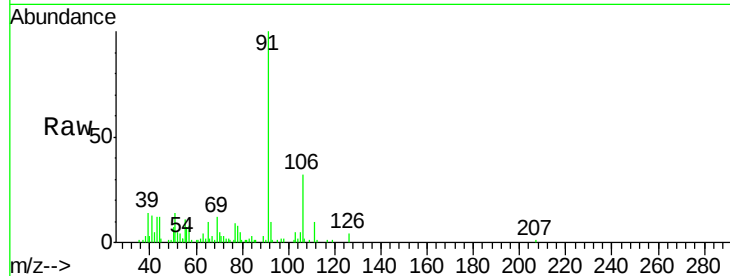
91 100

106 32.1 25.0 37.6

Manual Integrations
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#69

o-Xylene

Concen: 0.466 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX002012.D

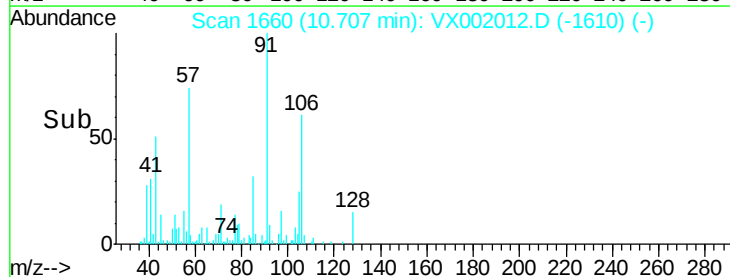
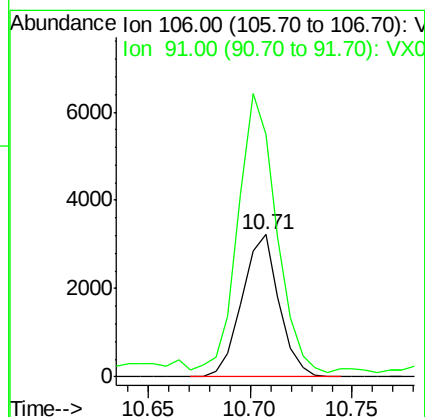
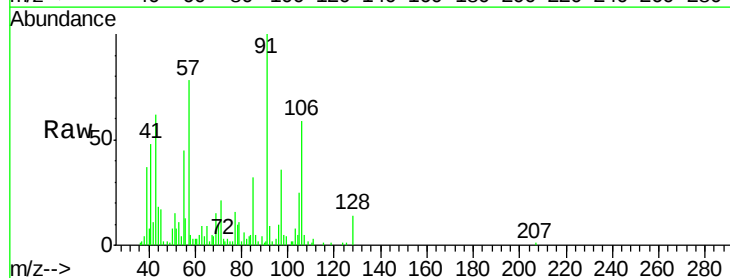
Acq: 26 May 2018 07:41

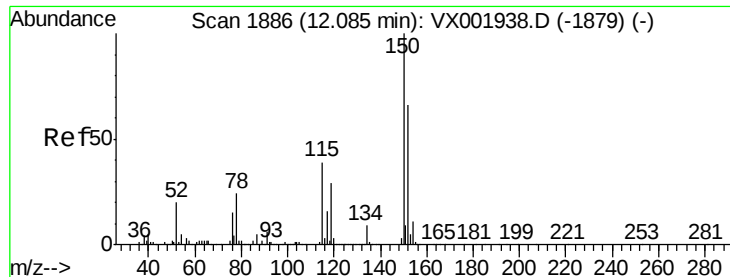
Tgt Ion: 106 Resp: 4052

Ion Ratio Lower Upper

106 100

91 201.2 108.7 325.9





#72

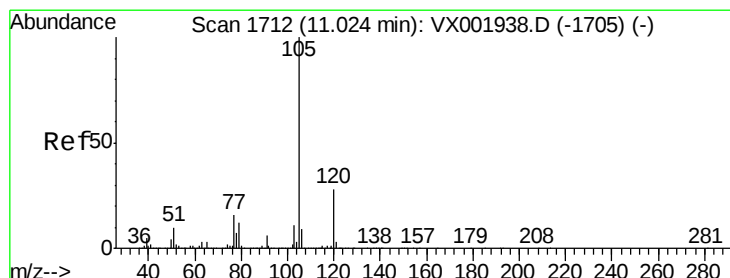
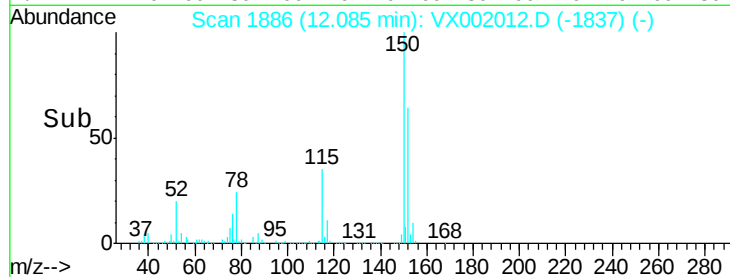
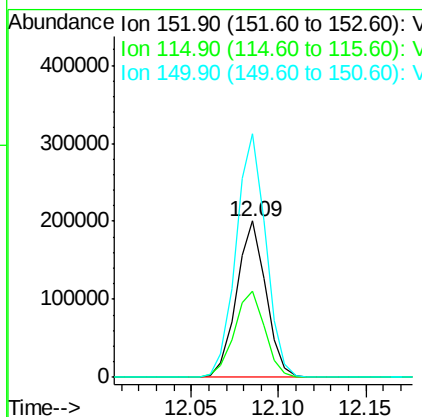
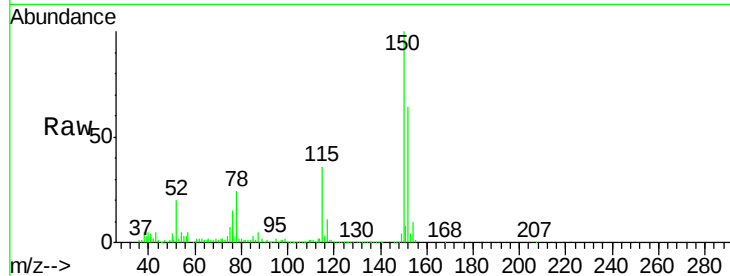
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion	Ratio	Resp	Lower	Upper
152	100	233073		
115	58.3	42.3	126.8	
150	158.8	0.0	351.0	

Manual Integrations
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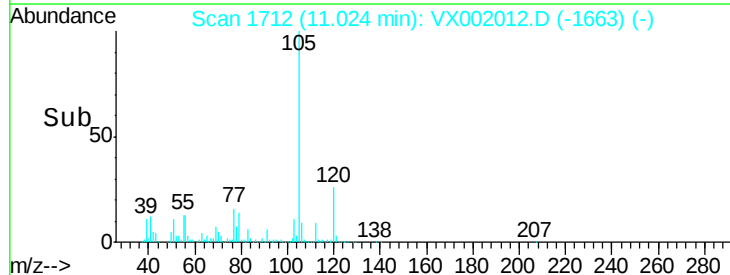
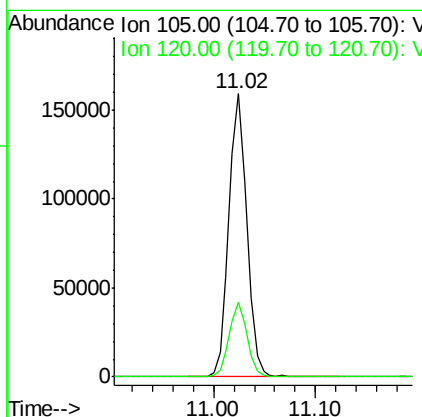
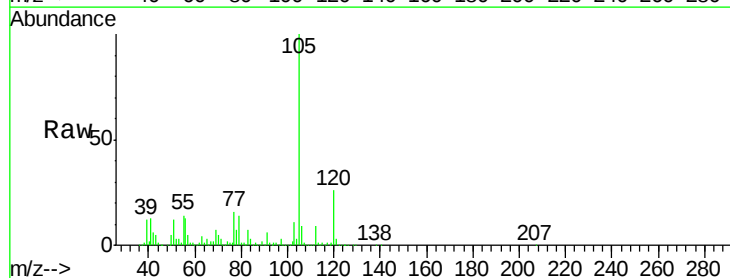
apatel
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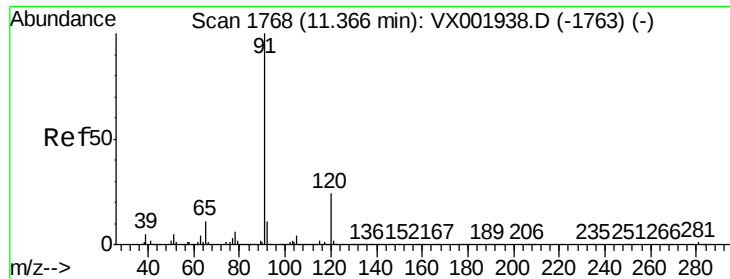


#73

Isopropylbenzene
Concen: 9.786 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193137		
120	26.3	13.6	40.7	





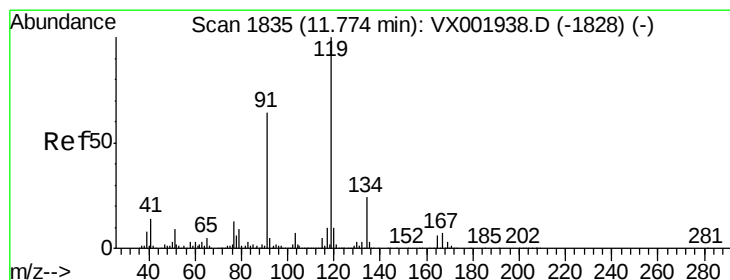
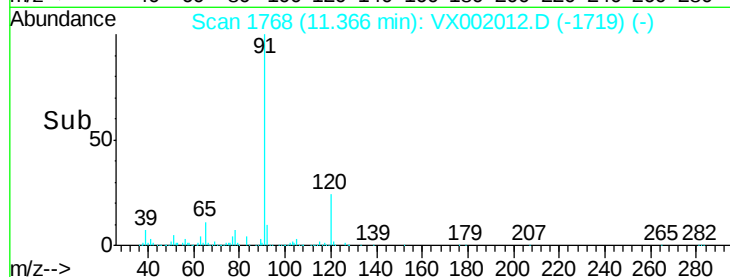
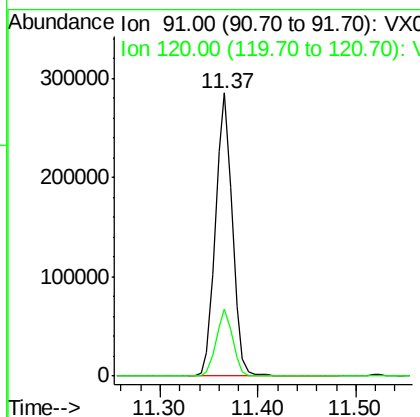
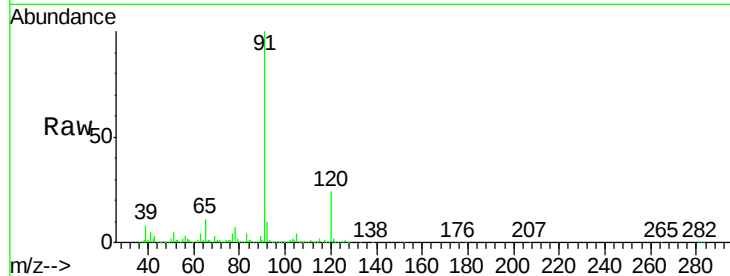
#78
n-propylbenzene
Concen: 15.375 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.7

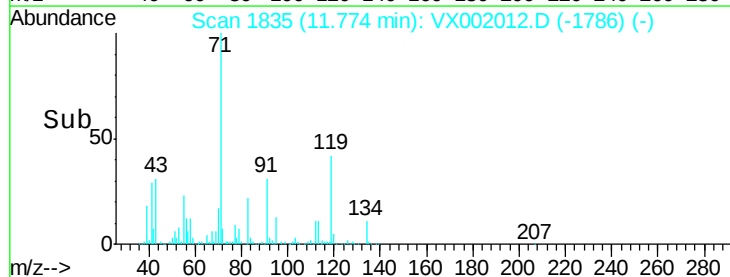
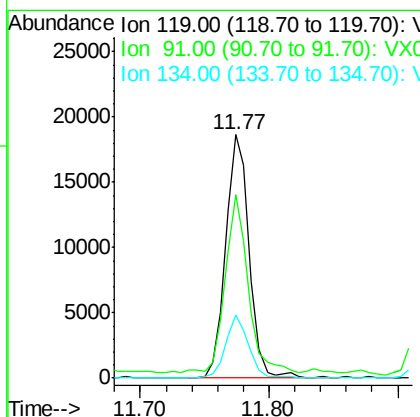
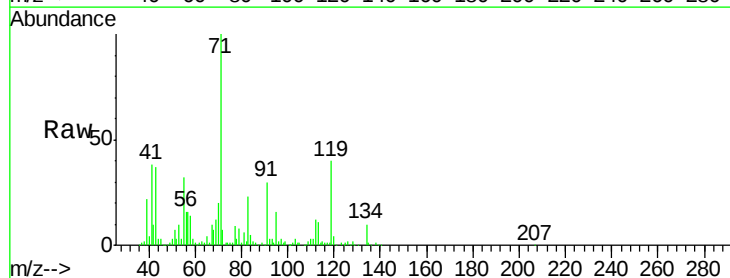
Manual Integrations
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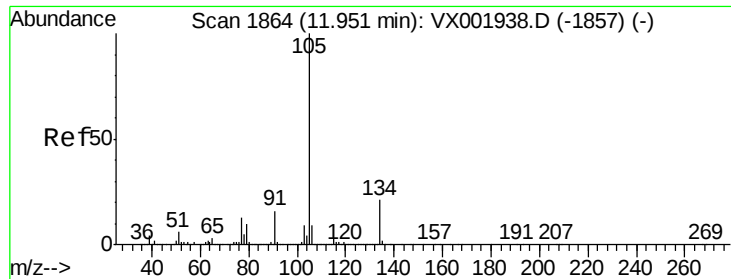
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#83
tert-Butylbenzene
Concen: 1.450 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.6	30.6	91.8
134	25.1	11.7	35.0





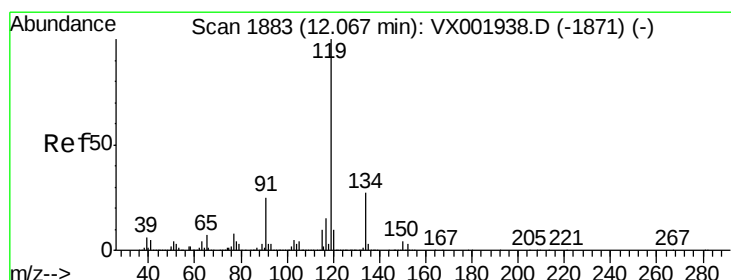
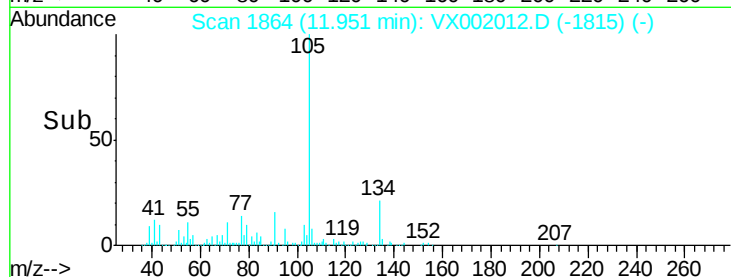
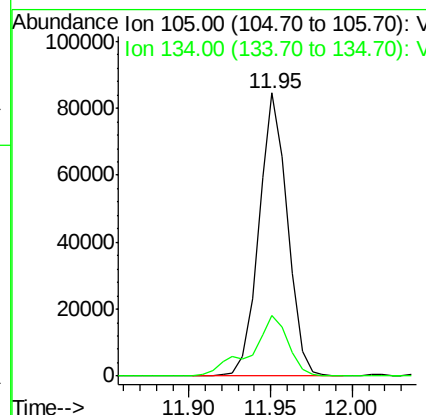
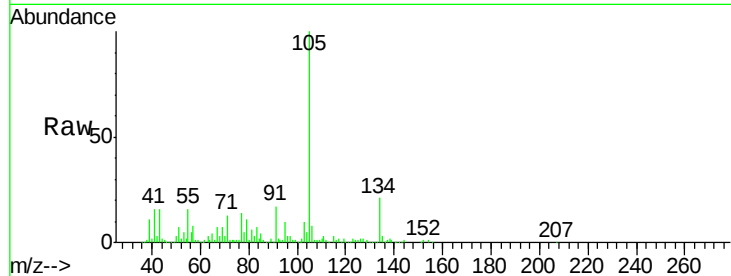
#85
 sec-Butylbenzene
 Concen: 5.134 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

Tot Ion	Ratio	Lower	Upper
105	100		
134	28.0	10.4	31.4

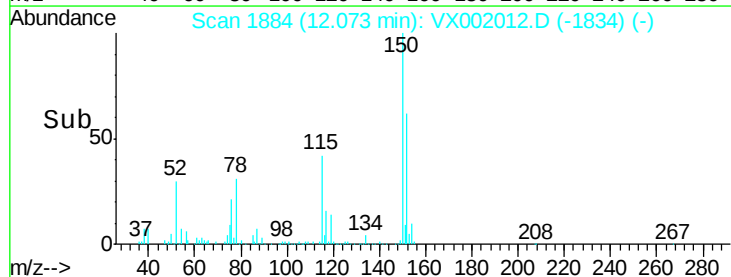
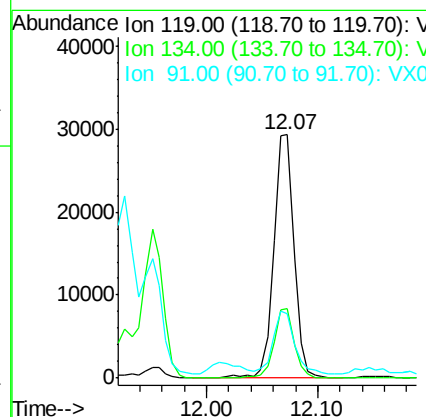
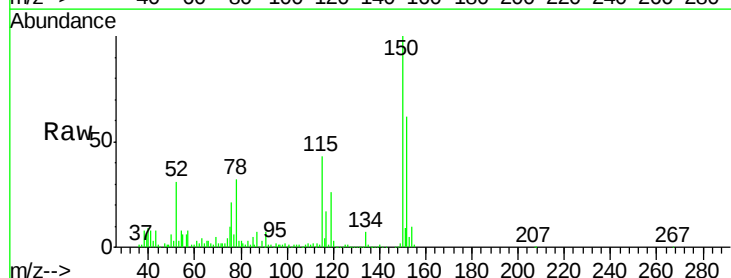
Manual Integrations
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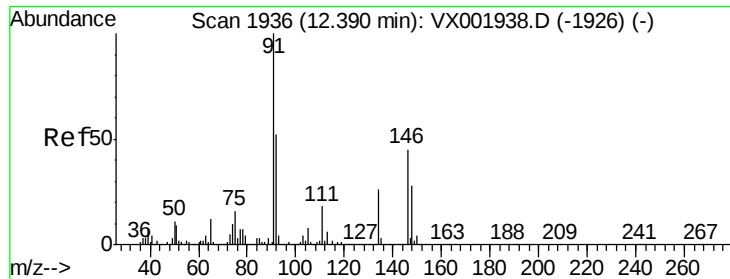
apatel
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#86
 p-Isopropyltoluene
 Concen: 2.108 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VX002012.D
 Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.6	40.8
91	26.7	12.2	36.4





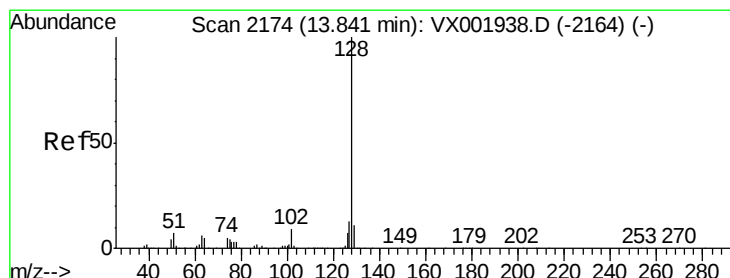
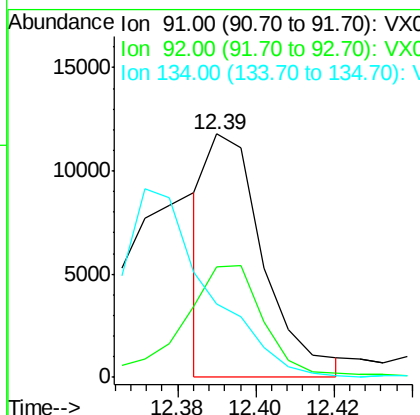
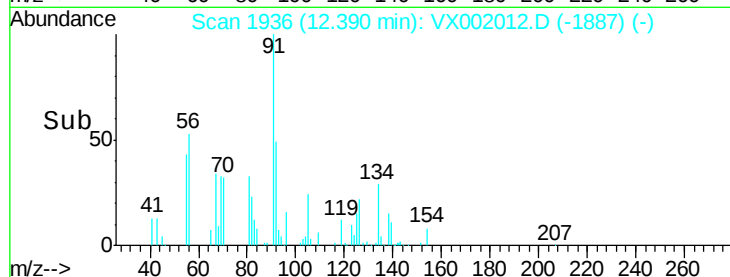
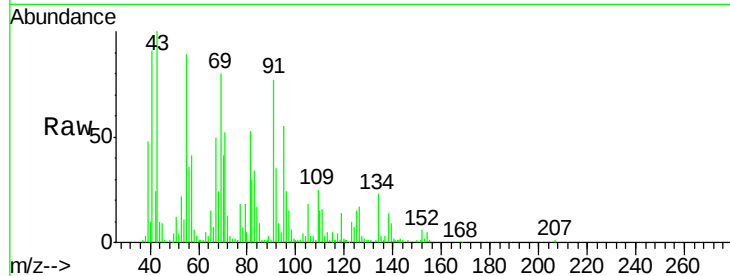
#89
n-Butylbenzene
Concen: 0.790 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.3	78.9#
134	0.0	13.6	40.7#

Manual Integrations
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5/29/2018 5:04:29 PM



#95
Naphthalene
Concen: 6.178 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002012.D
Acq: 26 May 2018 07:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.4	15.6#
129	12.7	8.8	13.2

