

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021119\
 Data File : VX007468.D
 Acq On : 11 Feb 2019 15:19
 Operator : JC/SP
 Sample : K1433-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207

Manual Integrations
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 2/12/2019 12:15:35 PM

Quant Time: Feb 12 12:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	569899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	852644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	813399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	287272	47.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.98%	
35) Dibromofluoromethane	5.51	113	266163	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1039892	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	431602	57.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	246641	197.022	ug/l #	73
19) Methyl tert-butyl Ether	3.20	73	5617064	318.634	ug/l	98
29) Tetrahydrofuran	5.15	42	17824	7.187	ug/l	94
31) Cyclohexane	5.58	56	450872	53.601	ug/l	96
39) Methylcyclohexane	7.46	83	221062	23.883	ug/l #	88
40) Benzene	6.15	78	6800272	301.760	ug/l	100
52) Toluene	8.79	92	128895	8.865	ug/l	99
67) Ethyl Benzene	10.25	91	16897874	591.163	ug/l #	50
68) m/p-Xylenes	10.36	106	780242	68.668	ug/l	96
69) o-Xylene	10.70	106	918889	84.043	ug/l	98
73) Isopropylbenzene	11.02	105	3658955	122.477	ug/l	99
78) n-propylbenzene	11.36	91	4567648	139.430	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	420780	17.216	ug/l	99
83) tert-Butylbenzene	11.77	119	33022	1.365	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	980597	39.519	ug/l	99
85) sec-Butylbenzene	11.94	105	171893	5.869	ug/l	97
86) p-Isopropyltoluene	12.06	119	28924m	1.094	ug/l	
89) n-Butylbenzene	12.38	91	113643m	4.997	ug/l	
95) Naphthalene	13.83	128	9608525	324.083	ug/l	98

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

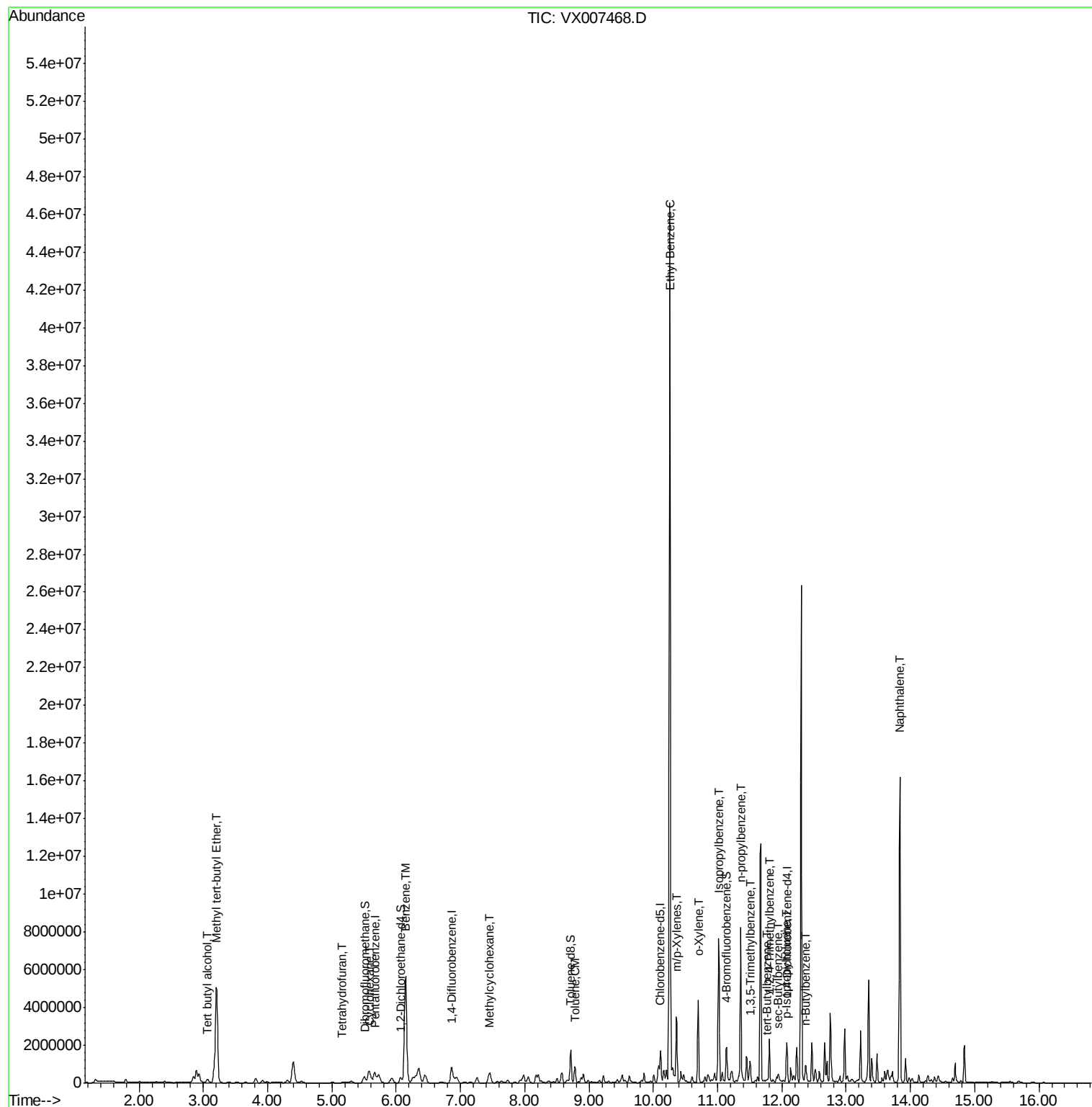
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007468.D
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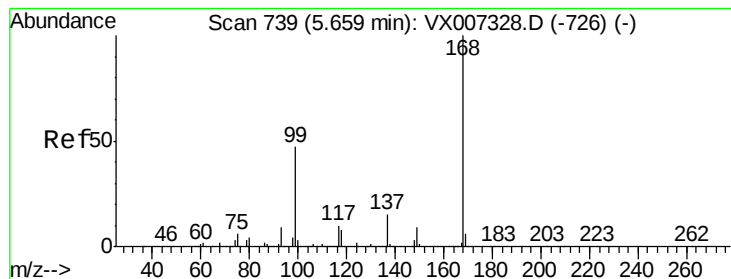
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Manual Integrations
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Quant Time: Feb 12 12:22:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





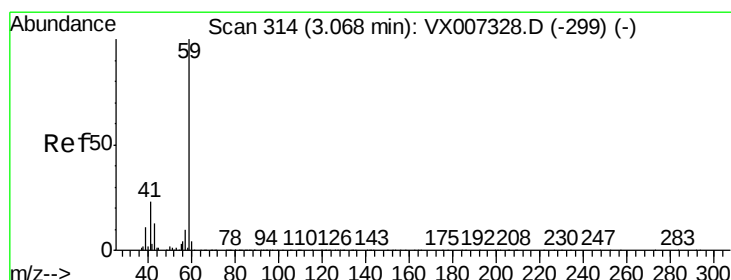
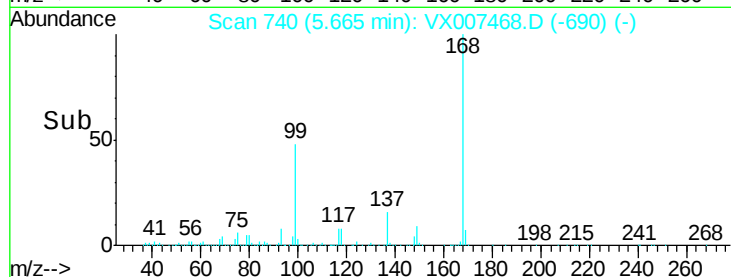
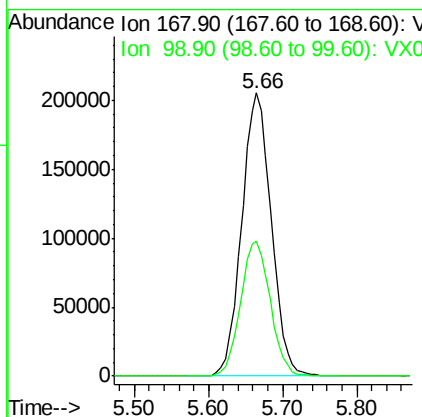
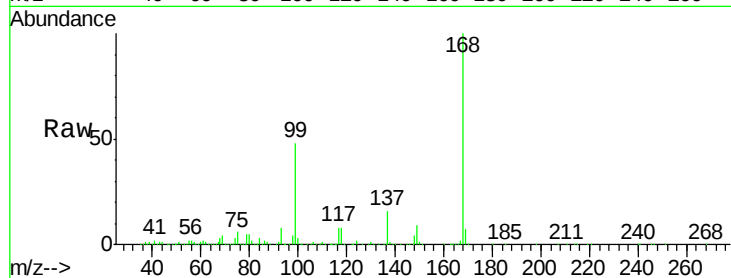
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Resp	Lower	Upper
168	100	569899		
99	47.8	37.9	56.9	

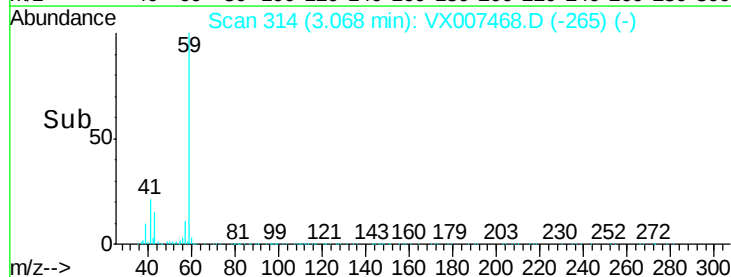
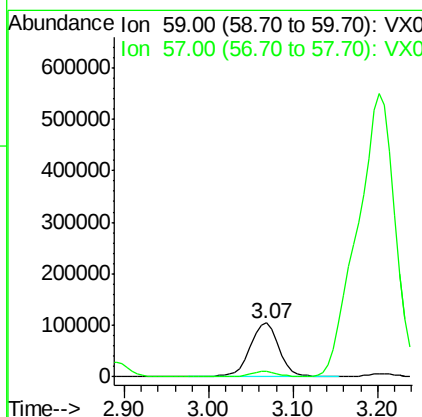
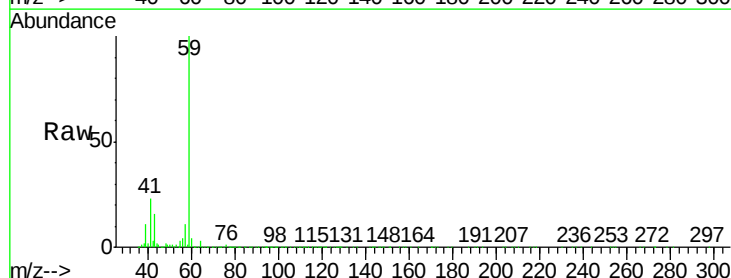
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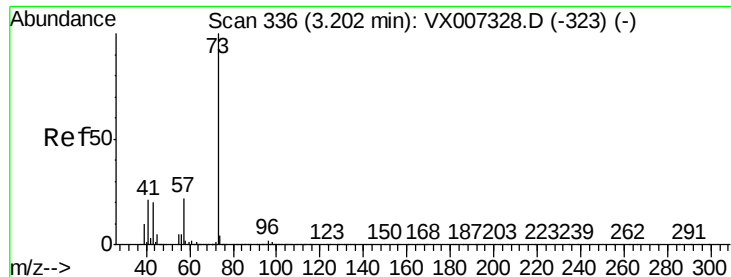
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#11
Tert butyl alcohol
Concen: 197.022 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	246641		
57	0.0	8.1	12.1	#





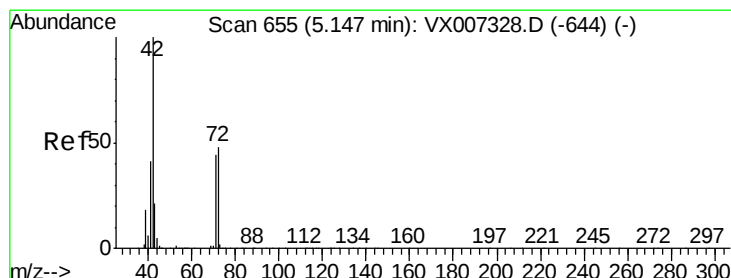
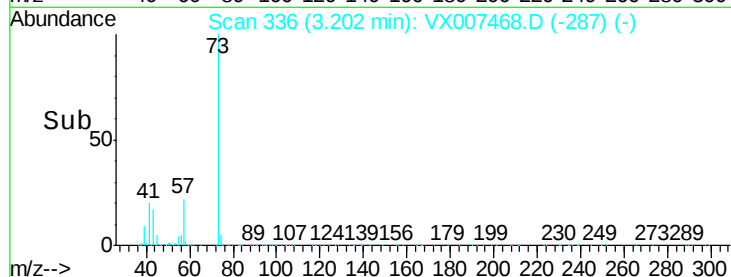
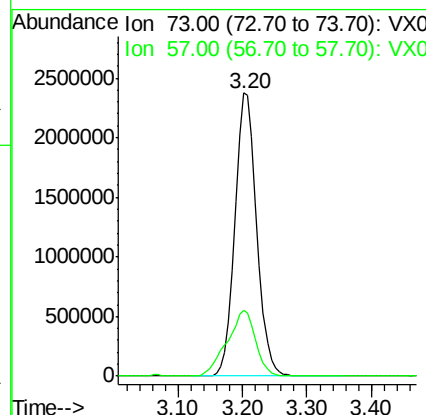
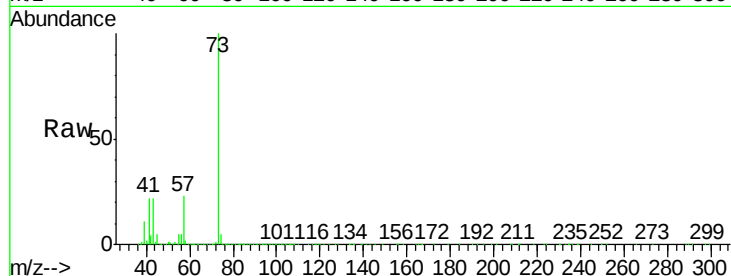
#19
Methvl tert-butvl Ether
Concen: 318.634 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion: 73 Resp: 5617064
Ion Ratio Lower Upper
73 100
57 23.1 17.8 26.8

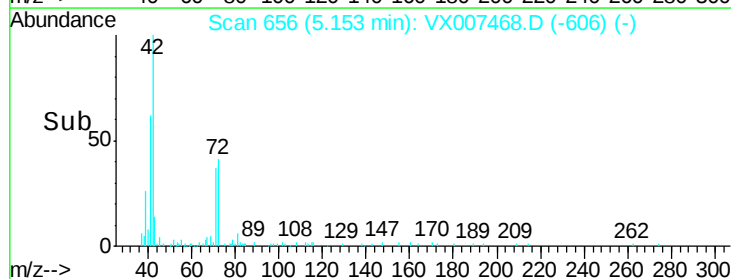
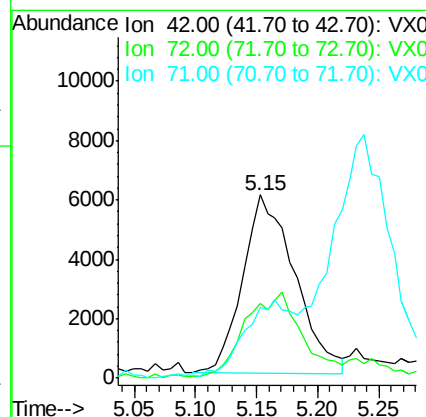
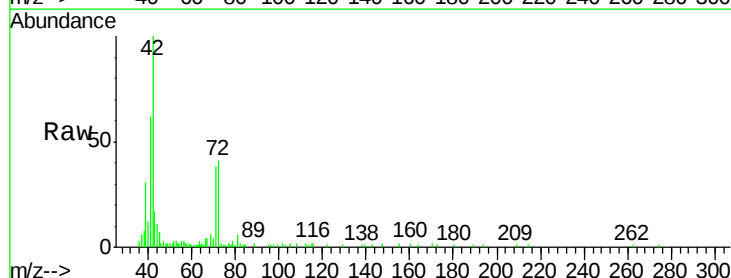
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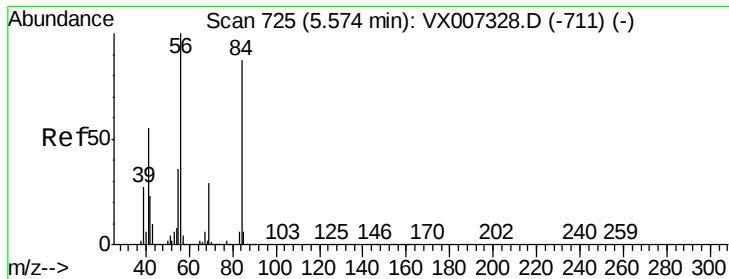
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#29
Tetrahydrofuran
Concen: 7.187 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 42 Resp: 17824
Ion Ratio Lower Upper
42 100
72 50.8 37.6 56.4
71 39.5 34.6 51.8





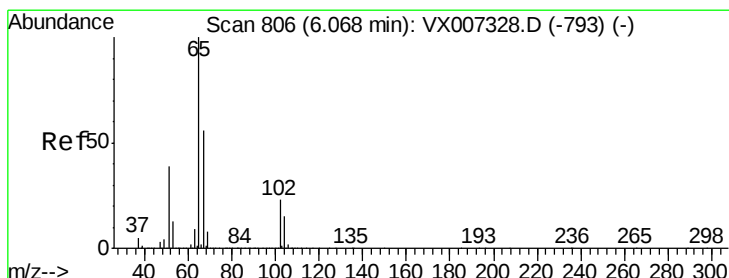
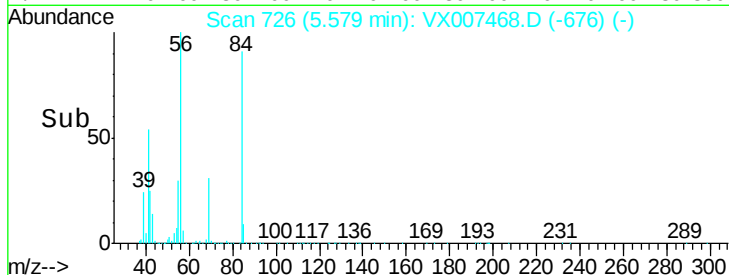
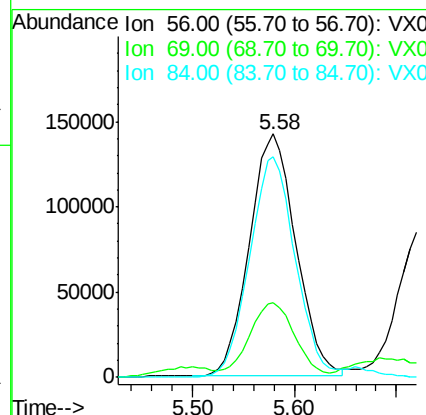
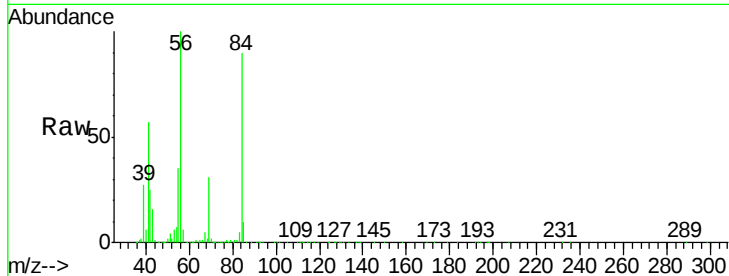
#31
Cyclohexane
Concen: 53.601 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	23.0	34.6
84	90.7	69.8	104.6

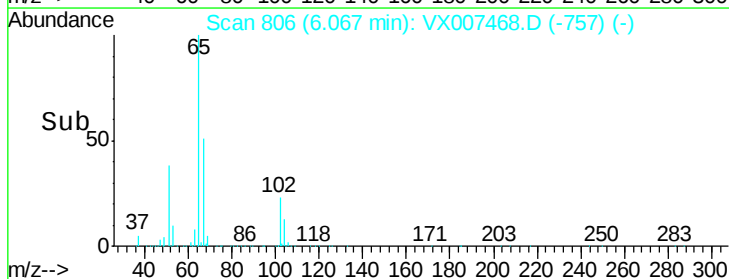
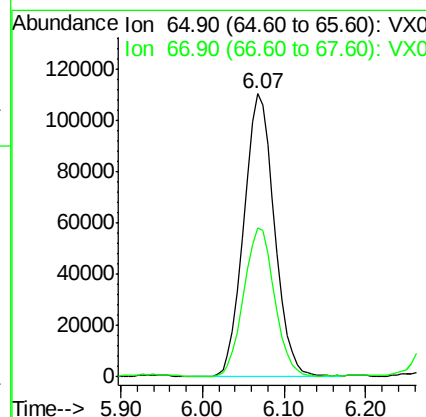
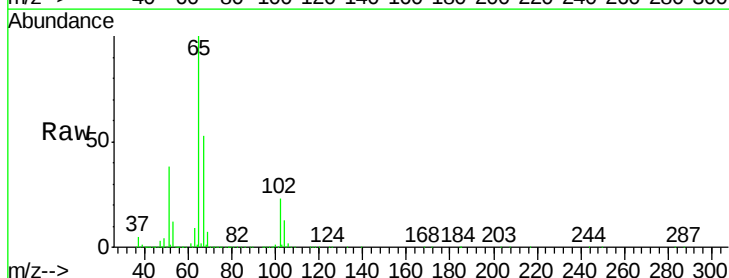
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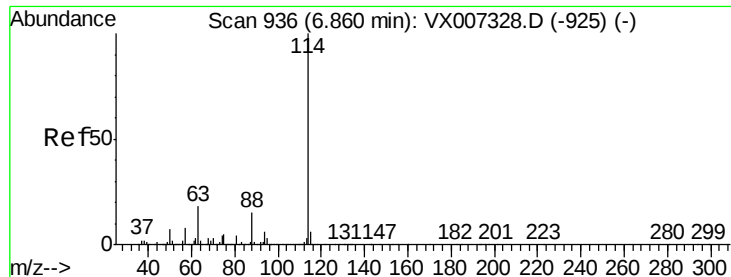
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#33
1,2-Dichloroethane-d4
Concen: 47.491 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

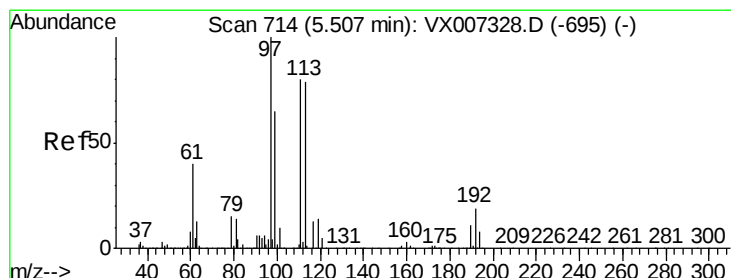
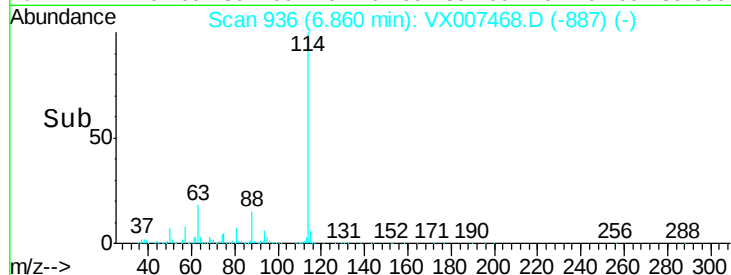
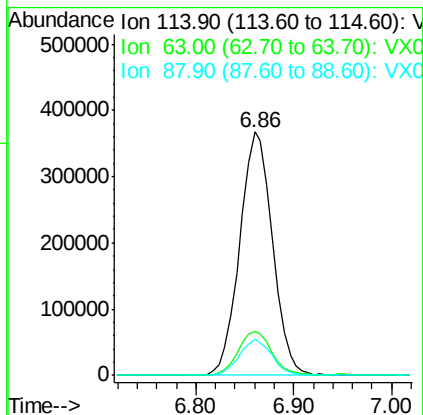
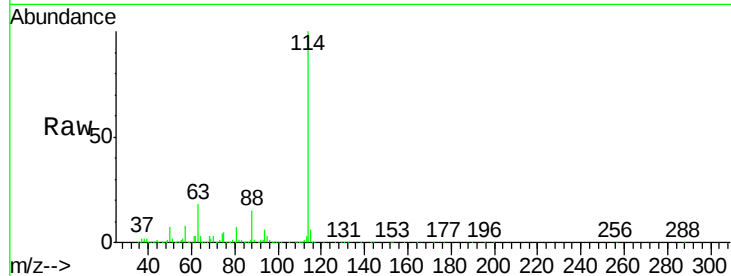
ClientSampleId :

KY001MW031-190207

Tot Ion:	114	Resp:	852644
Ion Ratio		Lower	Upper
114	100		
63	18.1	0.0	35.6
88	14.7	0.0	29.6

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#35

Dibromofluoromethane

Concen: 47.976 ug/l

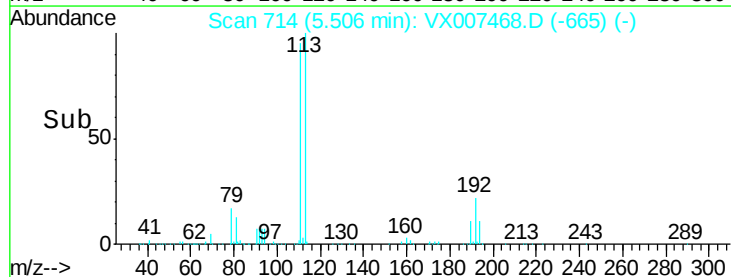
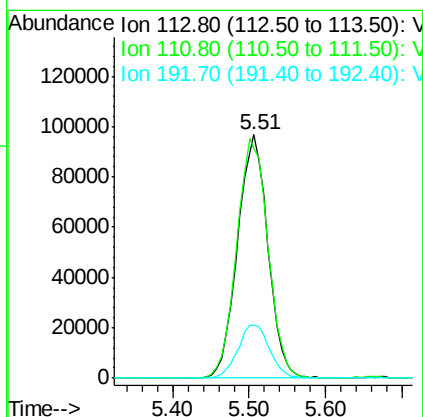
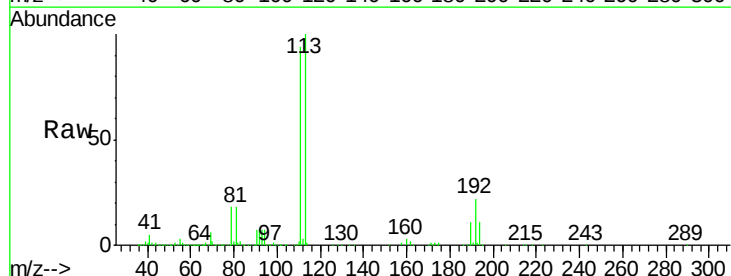
RT: 5.51 min Scan# 714

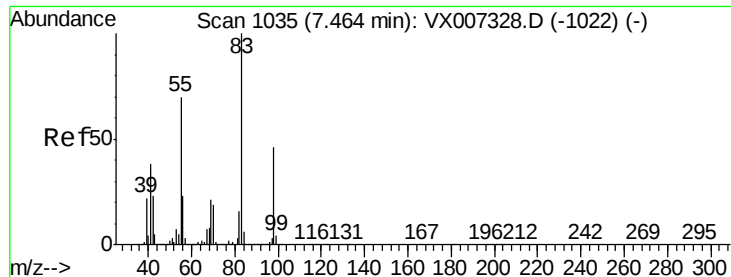
Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Tgt Ion:	113	Resp:	266163
Ion Ratio		Lower	Upper
113	100		
111	101.4	81.8	122.8
192	23.0	18.5	27.7





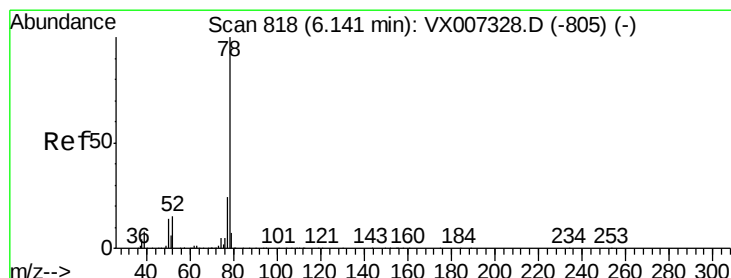
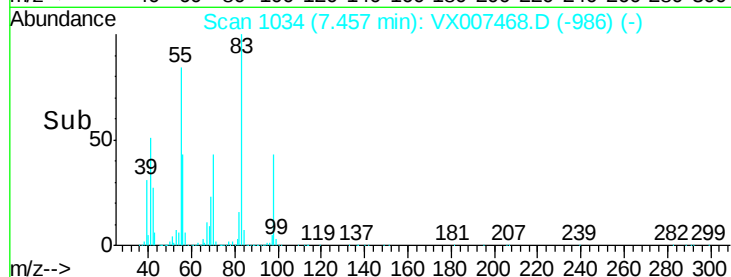
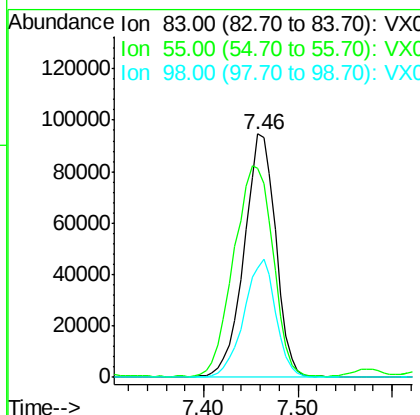
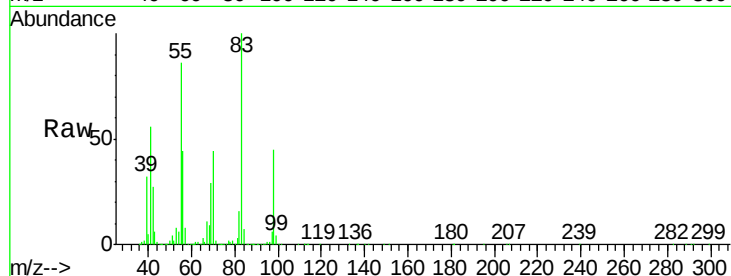
#39
Methvlcvclohexane
Concen: 23.883 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	56.2	84.2#
98	44.6	36.8	55.2

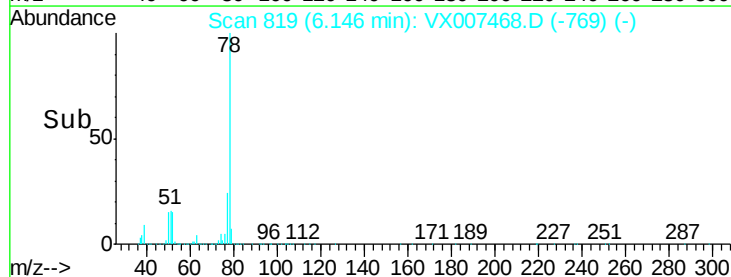
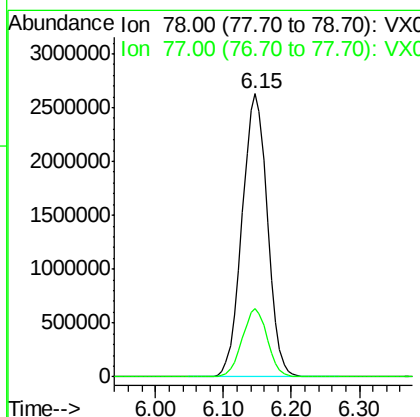
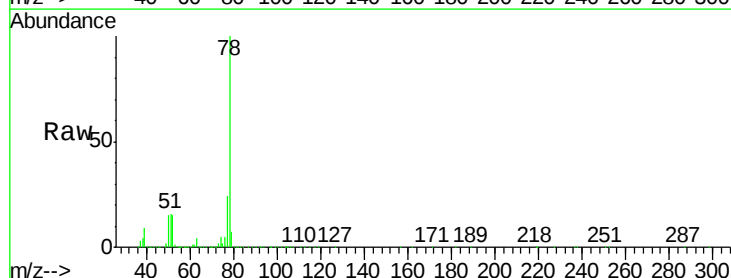
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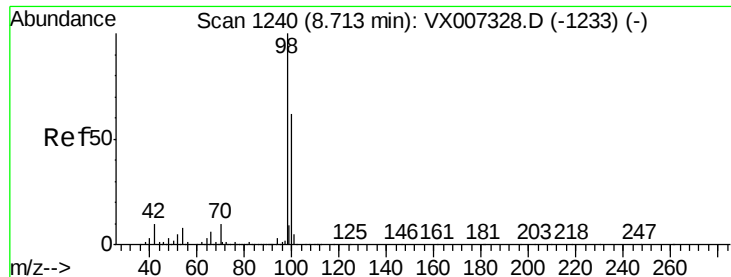
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#40
Benzene
Concen: 301.760 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





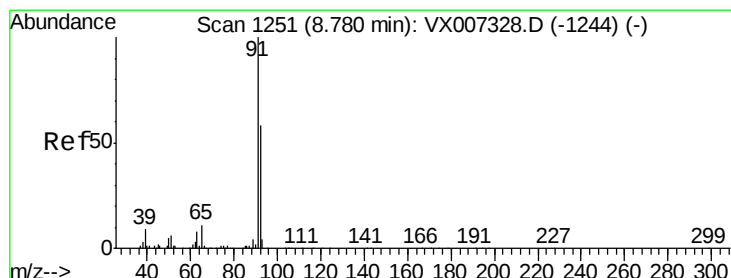
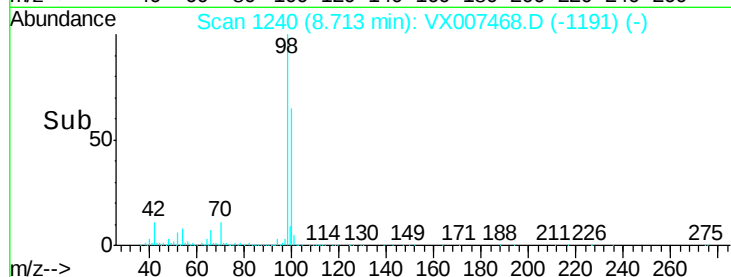
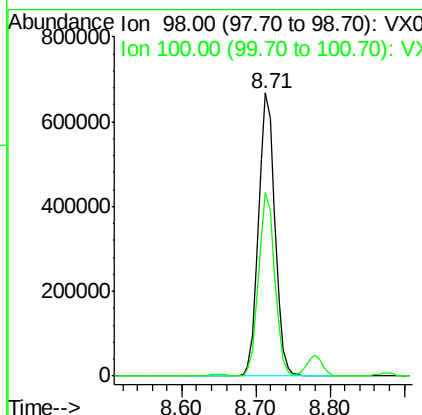
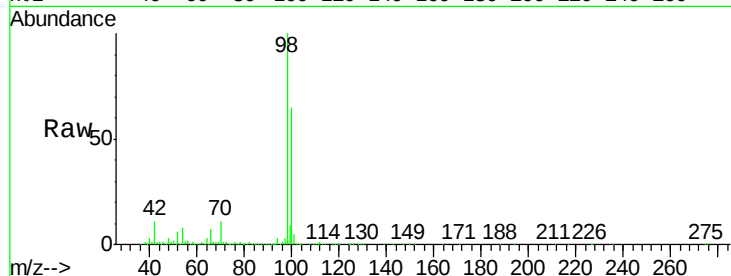
#50
Toluene-d8
Concen: 50.521 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion: 98 Resp: 1039892
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4

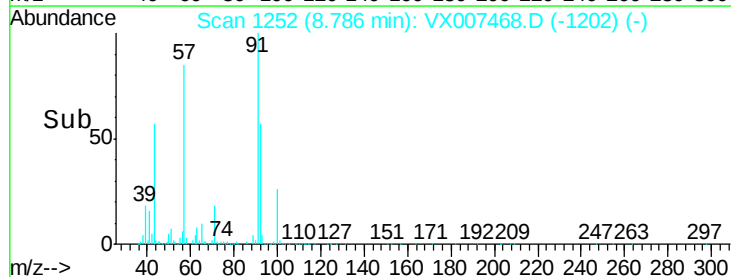
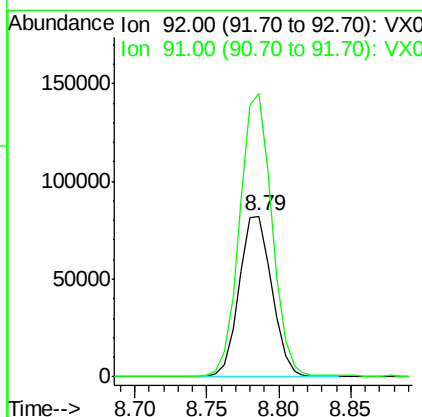
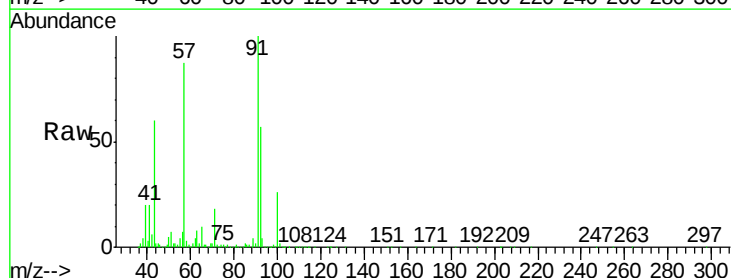
Manual Integrations
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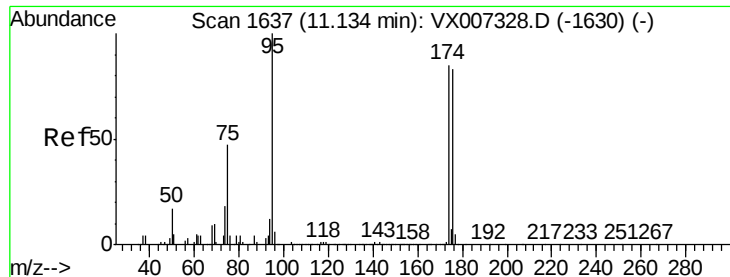
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#52
Toluene
Concen: 8.865 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 92 Resp: 128895
Ion Ratio Lower Upper
92 100
91 175.1 139.1 208.7





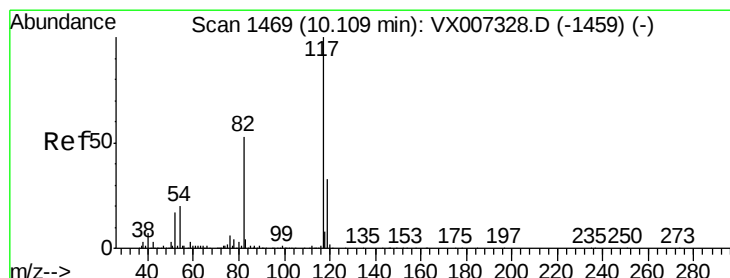
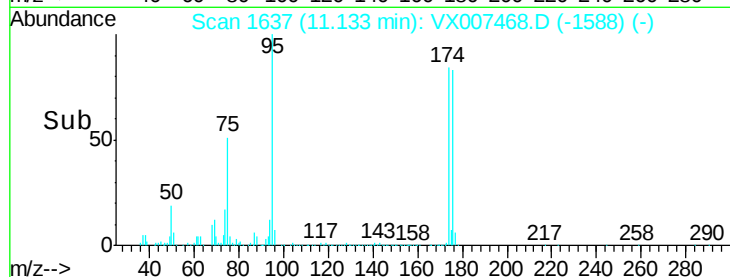
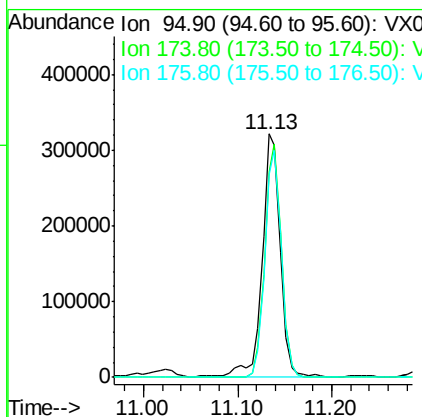
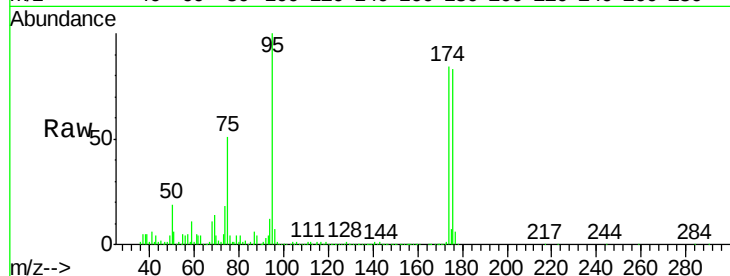
#62
4-Bromofluorobenzene
Concen: 57.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Resp	Lower	Upper
95	100	431602		
174	88.6	0.0	189.2	
176	86.7	0.0	186.2	

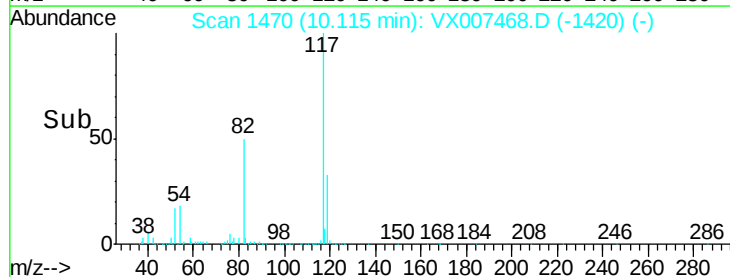
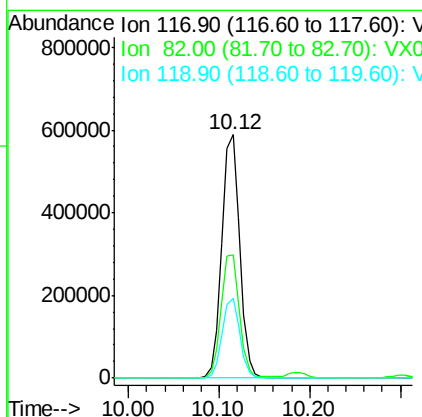
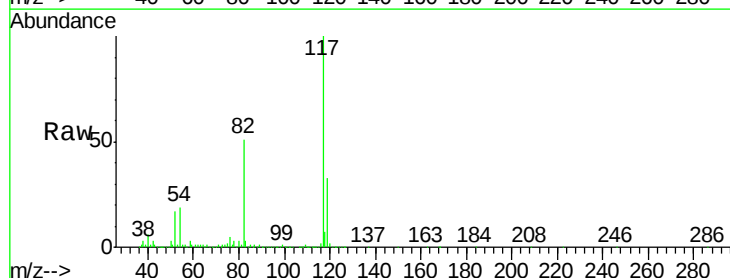
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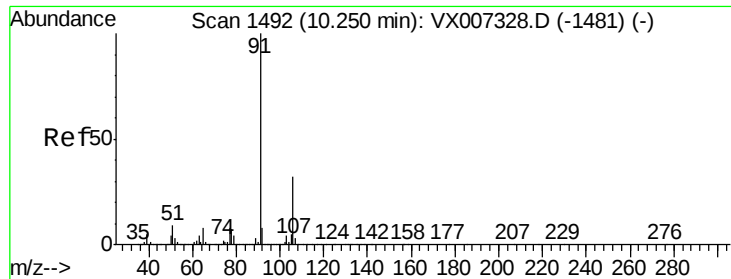
MMDadoda
2/12/2019 12:15:35 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	813399		
82	50.6	42.1	63.1	
119	32.7	26.5	39.7	





#67

Ethyl Benzene

Concen: 591.163 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

Tot Ion: 91 Resp: 16897874

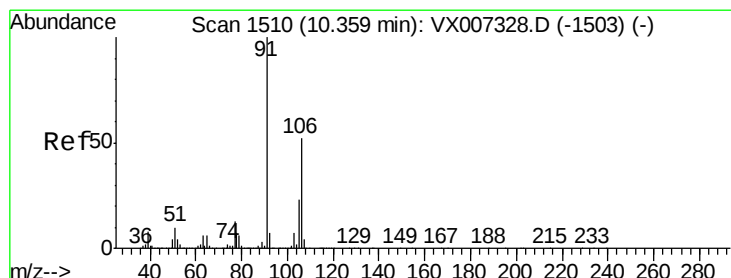
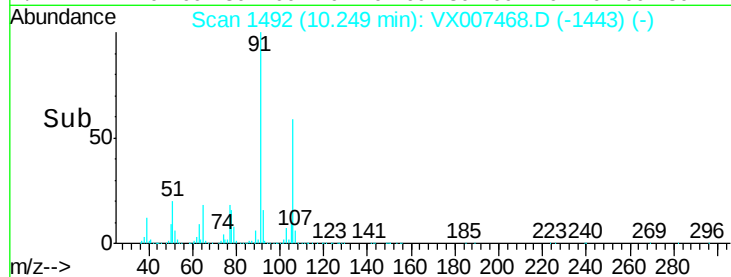
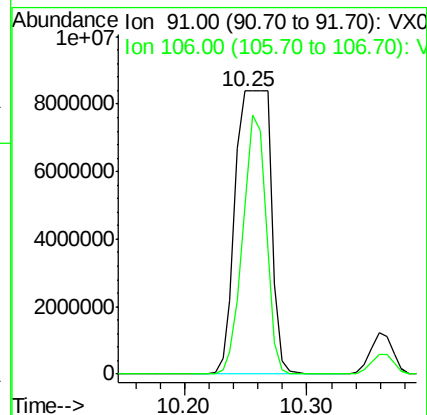
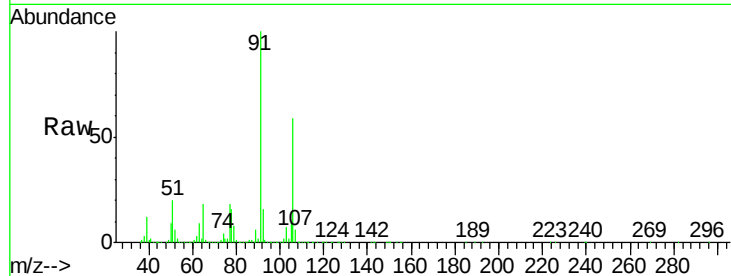
Ion Ratio Lower Upper

91 100

106 59.4 25.4 38.0#

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#68

m/p-Xylenes

Concen: 68.668 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007468.D

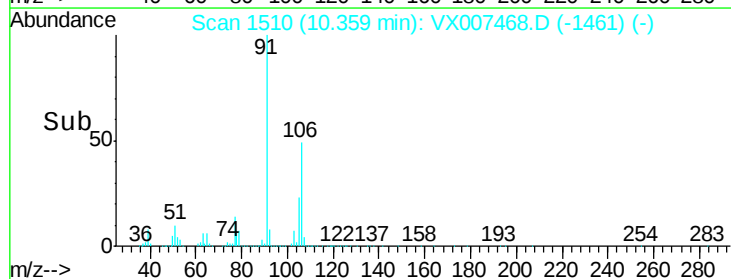
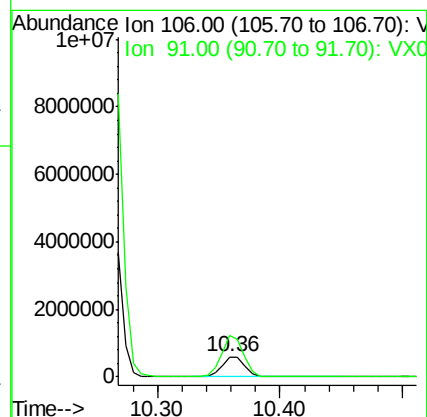
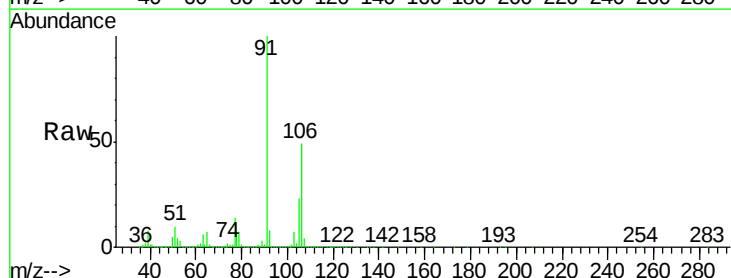
Acq: 11 Feb 2019 15:19

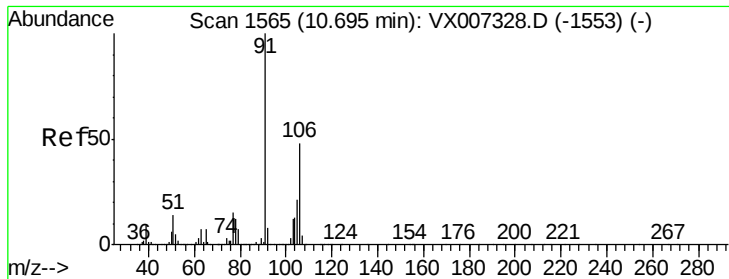
Tgt Ion: 106 Resp: 780242

Ion Ratio Lower Upper

106 100

91 201.5 156.6 234.8





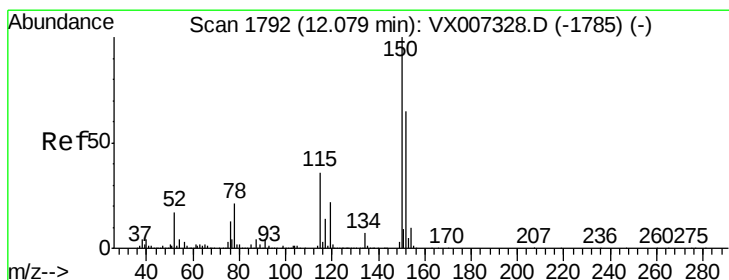
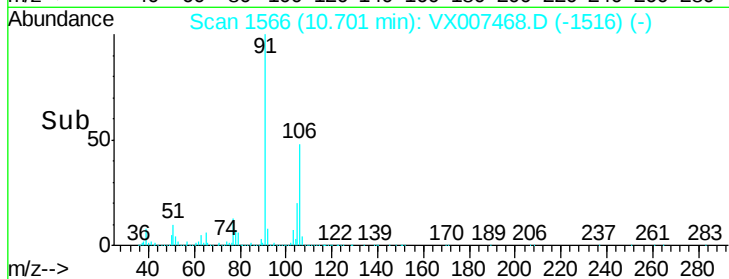
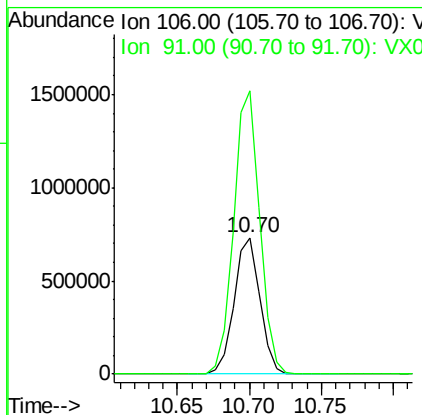
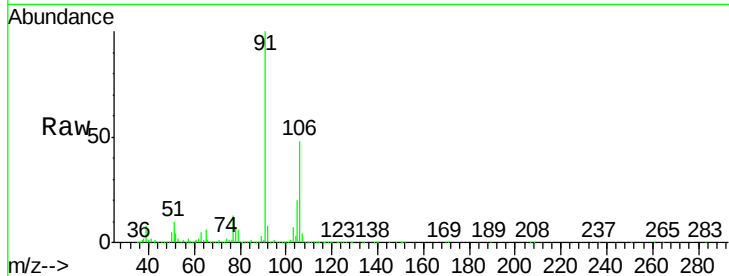
#69
o-Xylene
Concen: 84.043 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	102.9	308.7

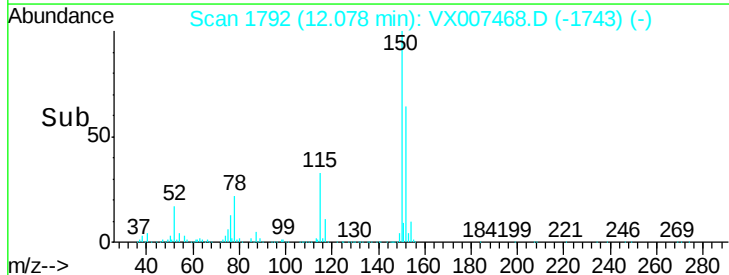
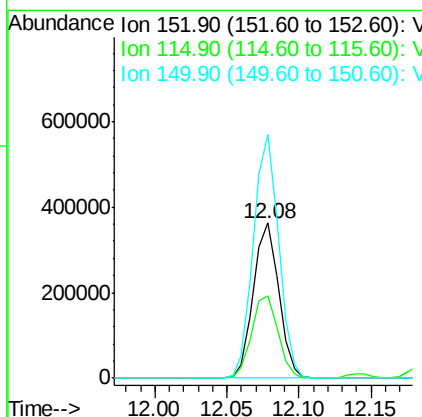
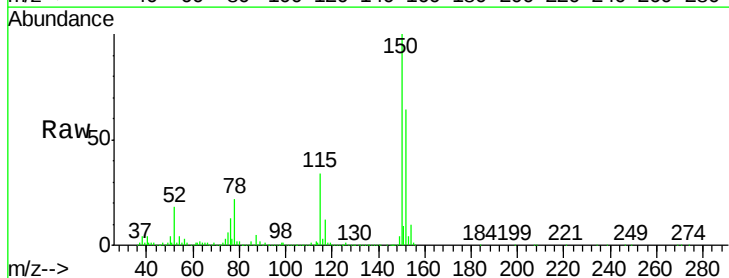
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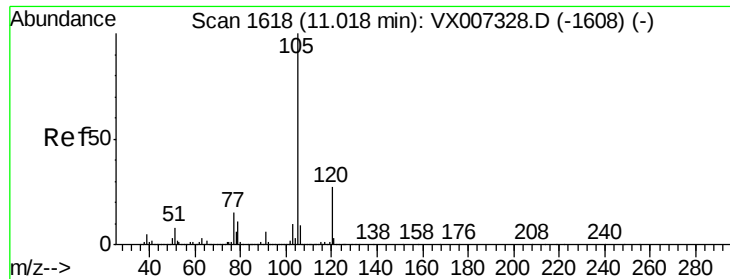
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	38.0	114.0
150	156.9	0.0	346.4





#73

Isopropylbenzene

Concen: 122.477 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

Tot Ion:105 Resp: 3658955

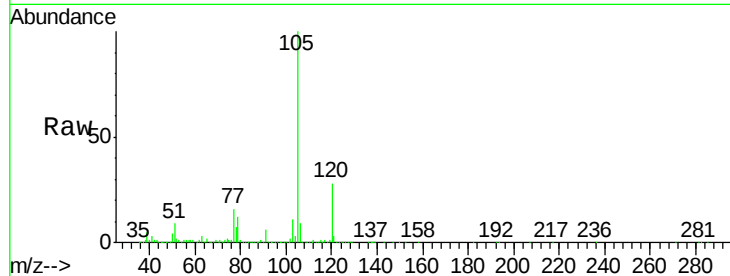
Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7

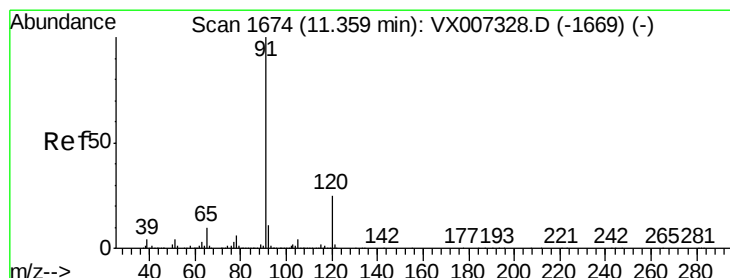
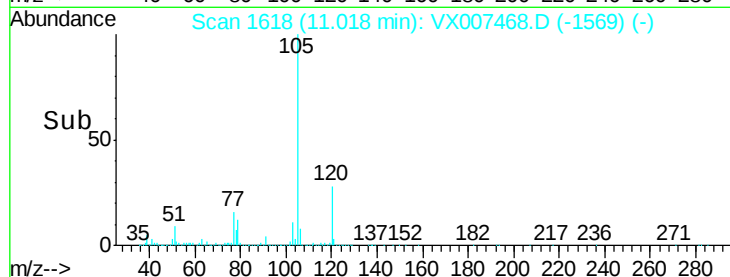
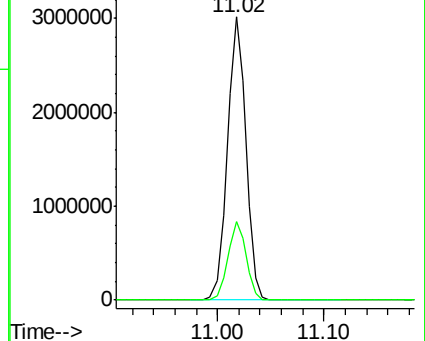
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 139.430 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007468.D

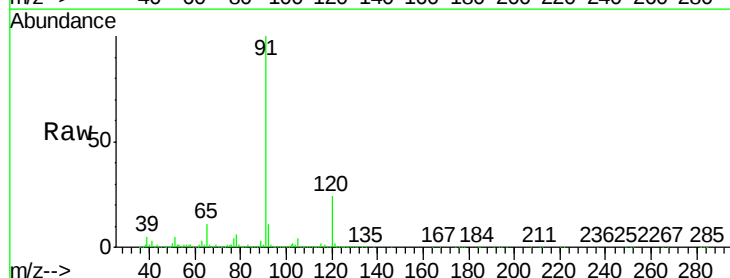
Acq: 11 Feb 2019 15:19

Tgt Ion: 91 Resp: 4567648

Ion Ratio Lower Upper

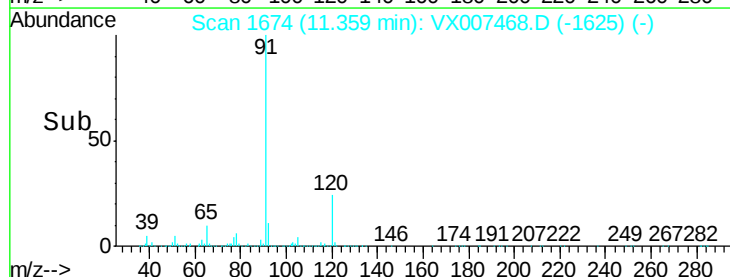
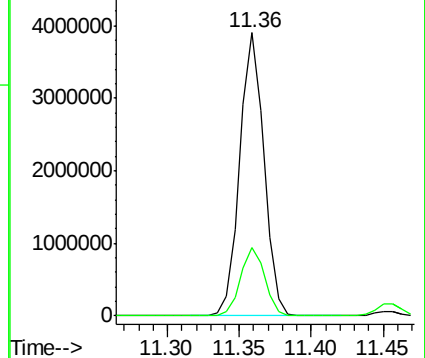
91 100

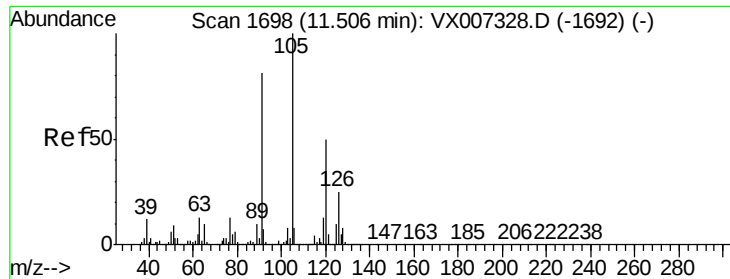
120 24.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





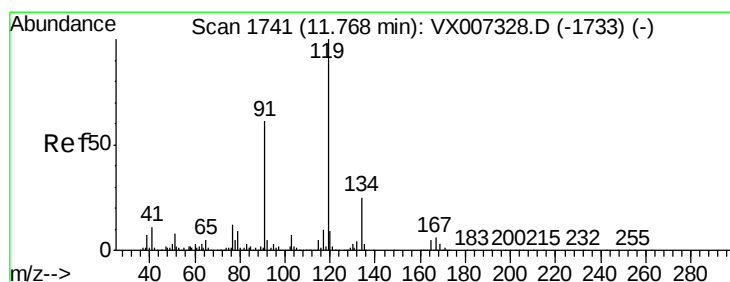
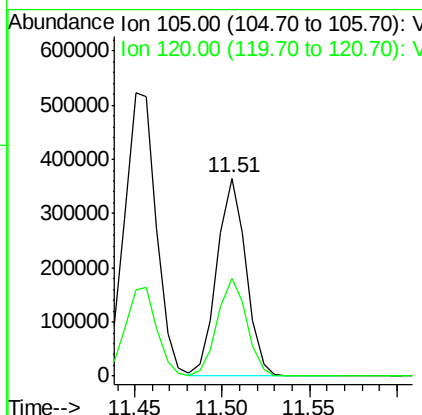
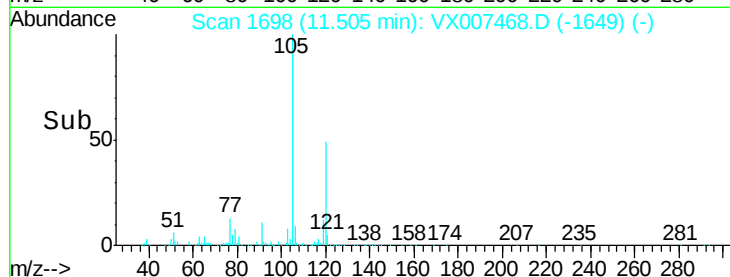
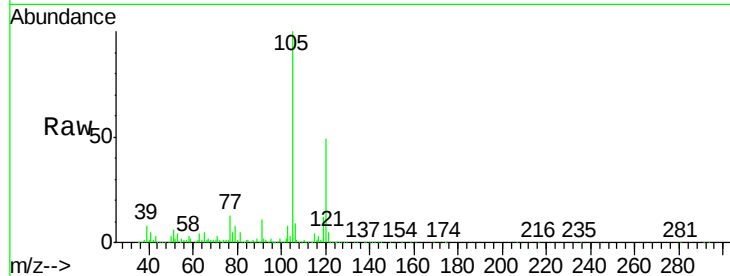
#80
1,3,5-Trimethylbenzene
Concen: 17.216 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion:105 Resp: 420780
Ion Ratio Lower Upper
105 100
120 50.1 25.3 75.8

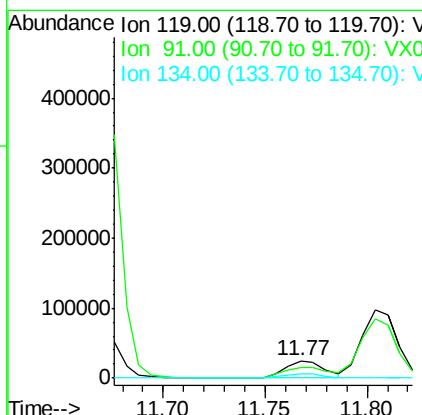
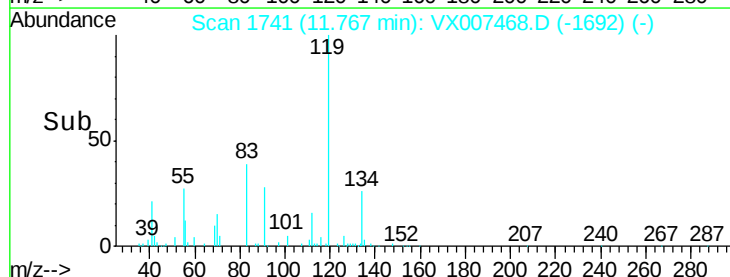
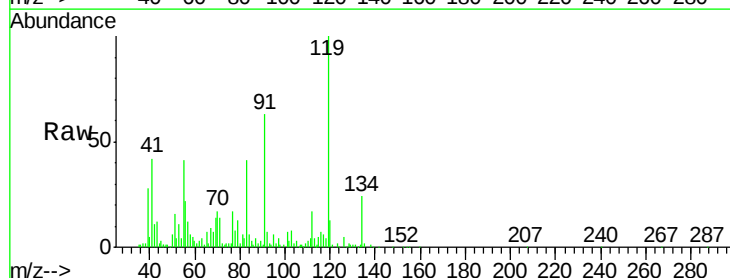
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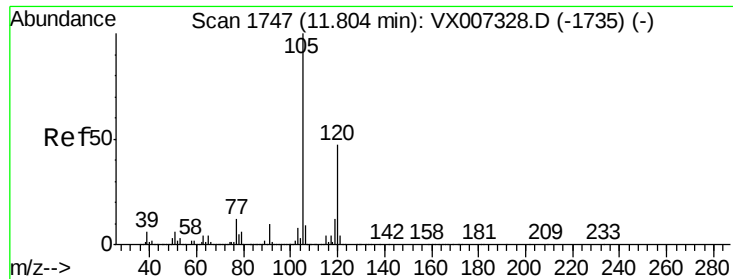
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#83
tert-Butylbenzene
Concen: 1.365 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion:119 Resp: 33022
Ion Ratio Lower Upper
119 100
91 68.7 28.5 85.6
134 24.2 12.0 36.0





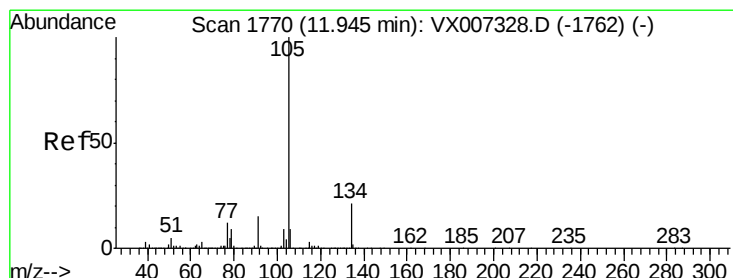
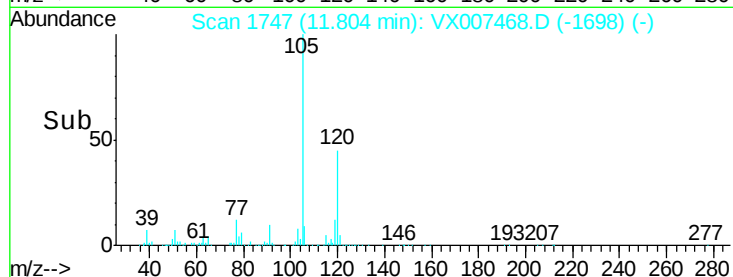
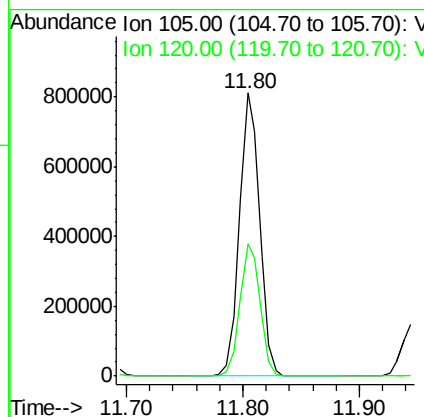
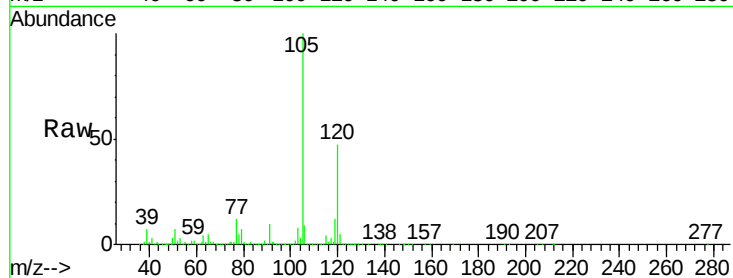
#84
1,2,4-Trimethylbenzene
Concen: 39.519 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.3

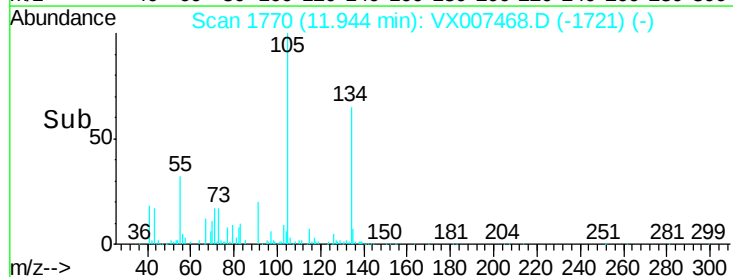
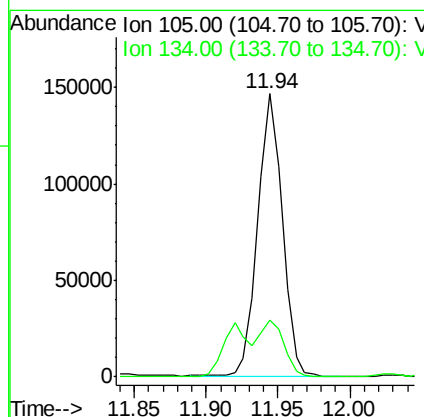
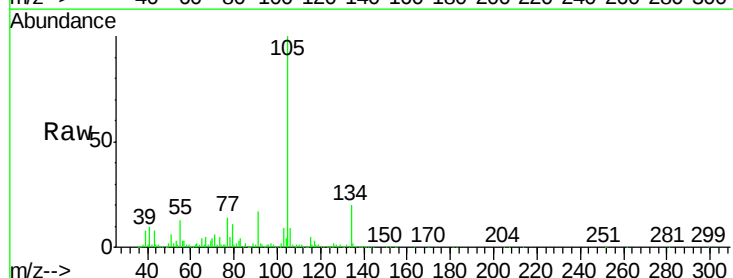
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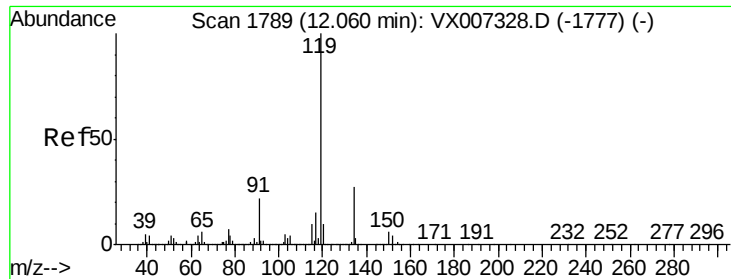
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#85
sec-Butylbenzene
Concen: 5.869 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.6	31.8





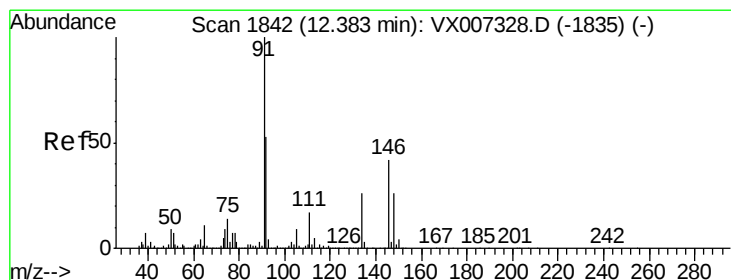
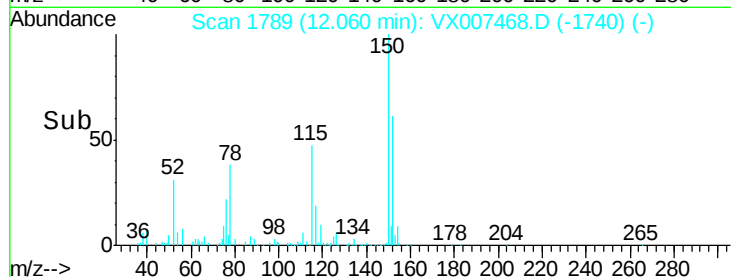
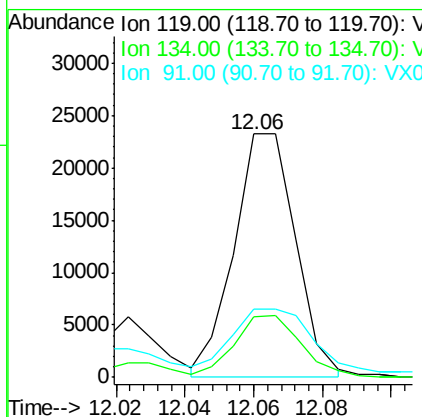
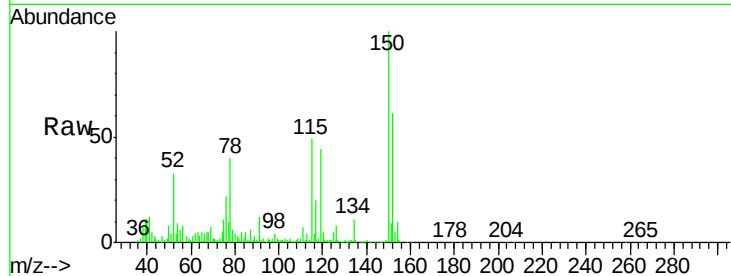
#86
p-Isopropyltoluene
Concen: 1.094 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
119	100		
134	776.4	13.7	41.1#
91	663.4	11.2	33.5#

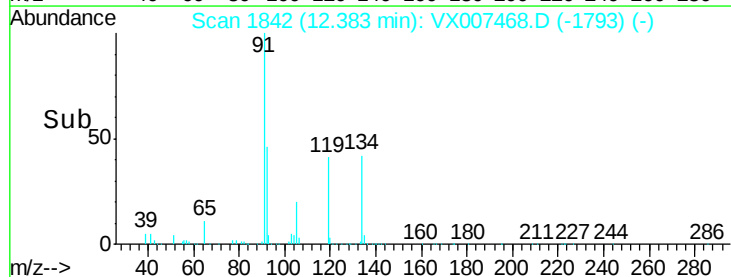
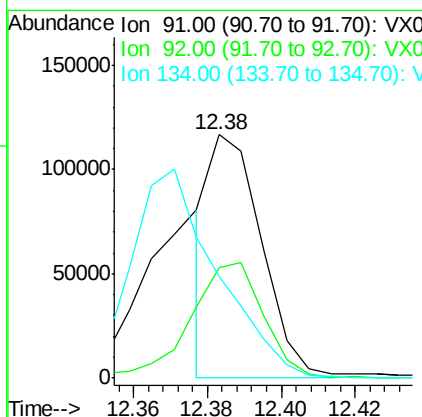
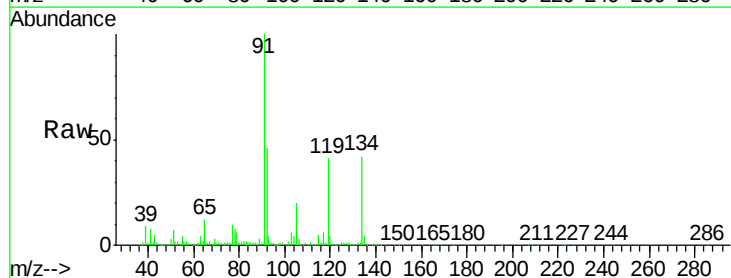
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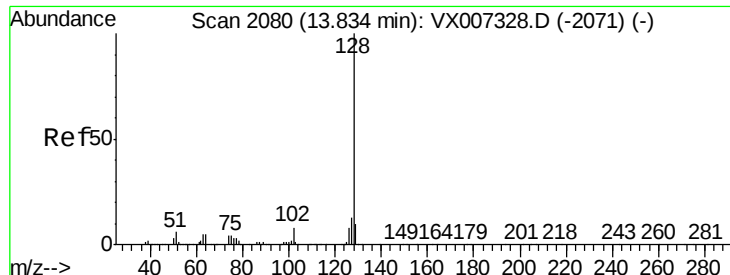
MMDadoda
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#89
n-Butylbenzene
Concen: 4.997 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.0	26.3	78.9
134	141.3	13.9	41.6#





#95
Naphthalene
Concen: 324.083 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	11.8	8.7	13.1

Manual Integrations
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