

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
 Data File : VX007554.D
 Acq On : 14 Feb 2019 19:01
 Operator : JC/SP
 Sample : K1474-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001IW089-190211

Manual Integrations
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MMDadoda
 2/15/2019 10:10:26 AM

Quant Time: Feb 15 09:53:47 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	5.67	168	537597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	814765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	788247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	443430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	281499	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	259132	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	8.71	98	984207	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	427073	59.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.94%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	15640	5.984	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	5116823	307.698	ug/l	100
25) 2-Butanone	4.70	43	6026	1.620	ug/l	94
29) Tetrahydrofuran	5.15	42	11469	4.902	ug/l	92
31) Cyclohexane	5.58	56	396637	49.987	ug/l	95
39) Methylcyclohexane	7.46	83	361874	40.914	ug/l	92
40) Benzene	6.14	78	31279720m	1452.559	ug/l	
51) 4-Methyl-2-Pentanone	8.65	43	51916	6.914	ug/l	90
52) Toluene	8.79	92	7666	0.552	ug/l	94
67) Ethyl Benzene	10.25	91	19544998	705.590	ug/l #	31
68) m/p-Xylenes	10.36	106	1935426	175.769	ug/l	97
69) o-Xylene	10.70	106	102826	9.705	ug/l	94
73) Isopropylbenzene	11.02	105	6609920	219.355	ug/l	99
78) n-propylbenzene	11.36	91	7954192	240.721	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	7326241	297.177	ug/l	99
83) tert-Butylbenzene	11.77	119	49191	2.015	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	4532399	181.090	ug/l	100
85) sec-Butylbenzene	11.94	105	375359	12.706	ug/l	95
86) p-Isopropyltoluene	12.06	119	204728	7.677	ug/l	98
95) Naphthalene	13.83	128	3267028	109.246	ug/l	100

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

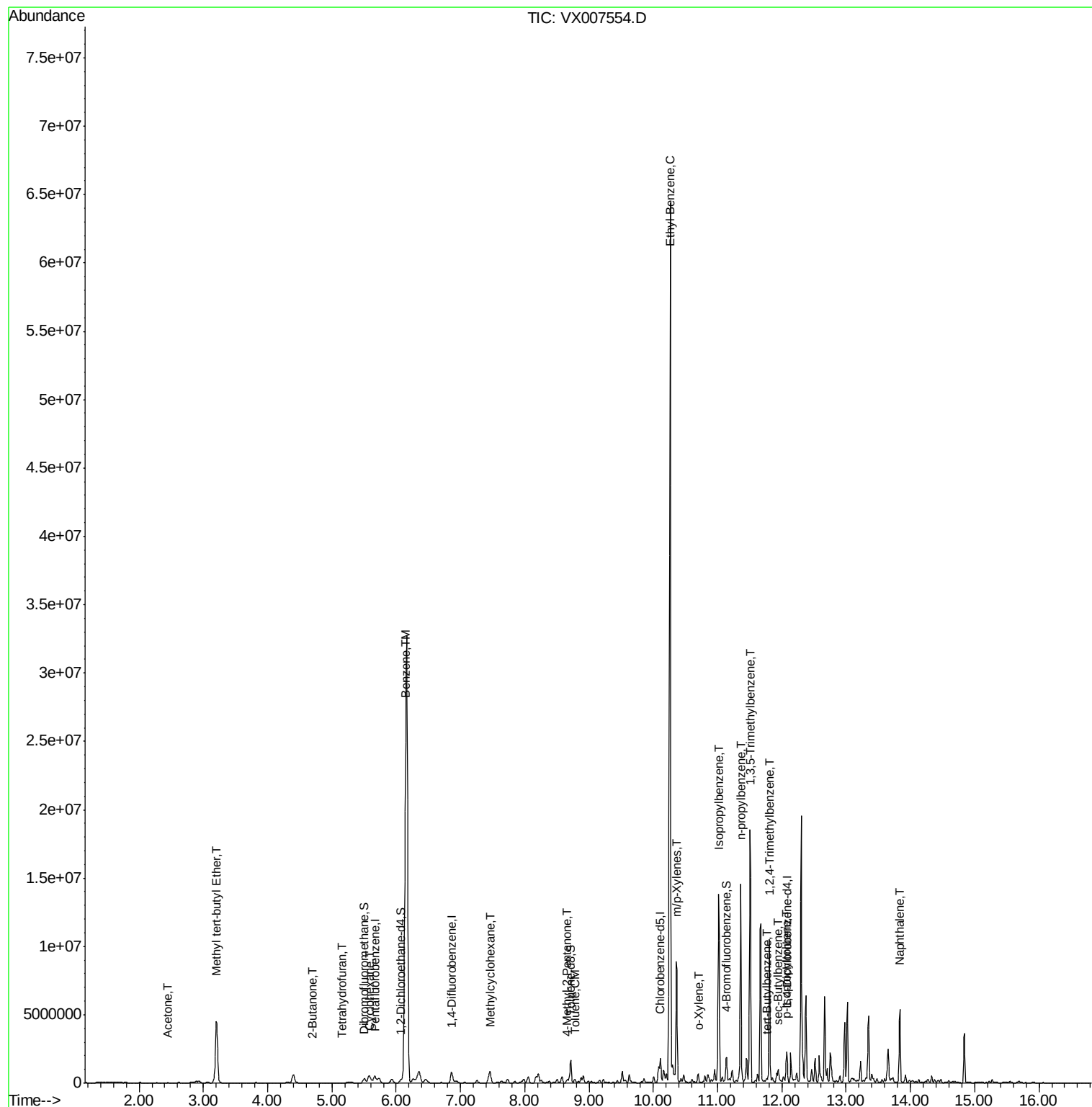
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021519\
Data File : VX007554.D
Acq On : 14 Feb 2019 19:01
Operator : JC/SP
Sample : K1474-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

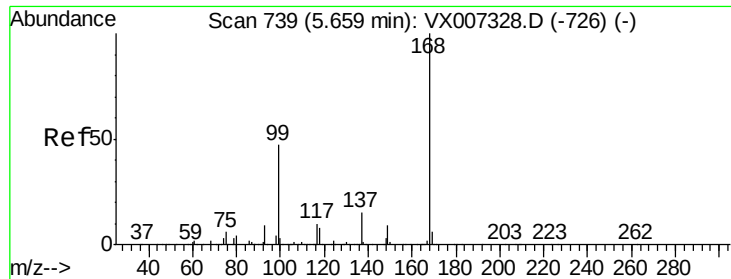
Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

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Quant Time: Feb 15 09:53:47 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

KY001IW089-190211

Tot Ion:168 Resp: 537597

Ion Ratio Lower Upper

168 100

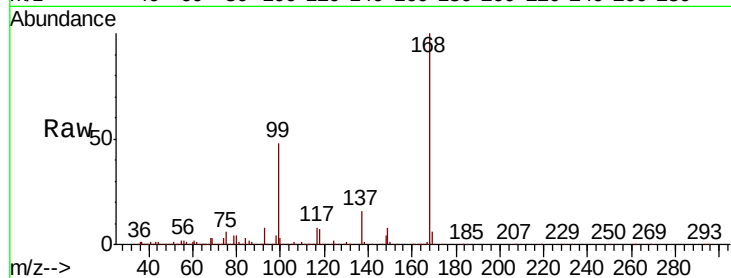
99 48.1 37.9 56.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

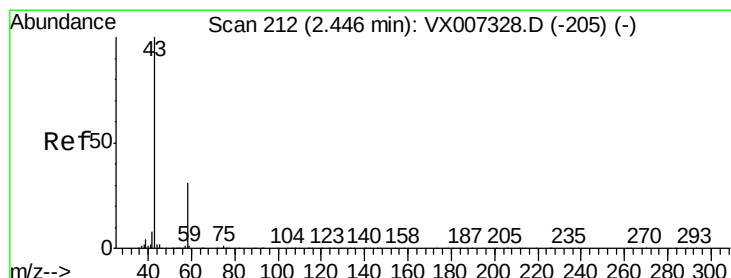
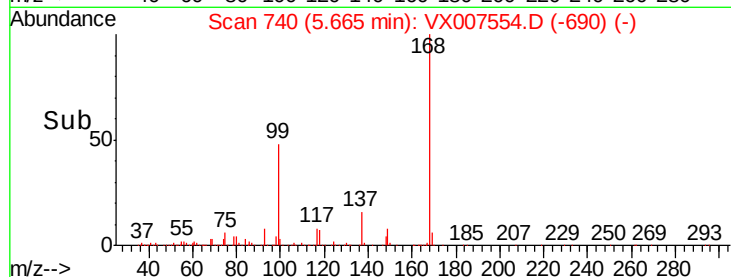
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 5.984 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007554.D

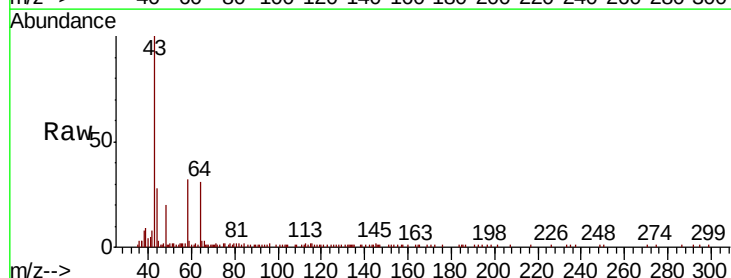
Acq: 14 Feb 2019 19:01

Tgt Ion: 43 Resp: 15640

Ion Ratio Lower Upper

43 100

58 30.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

6000

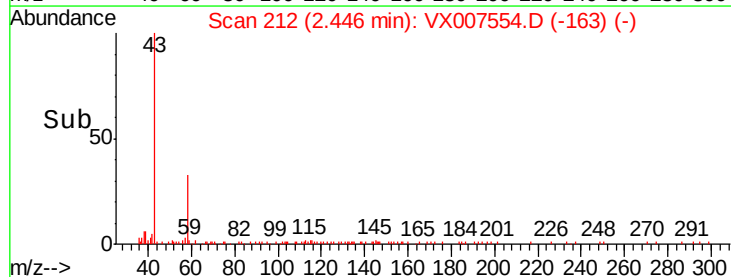
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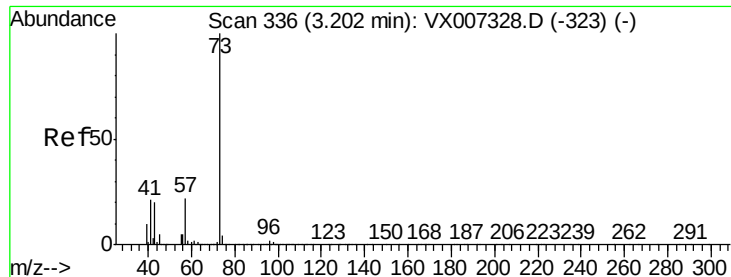
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Time-->

2.40 2.45 2.50





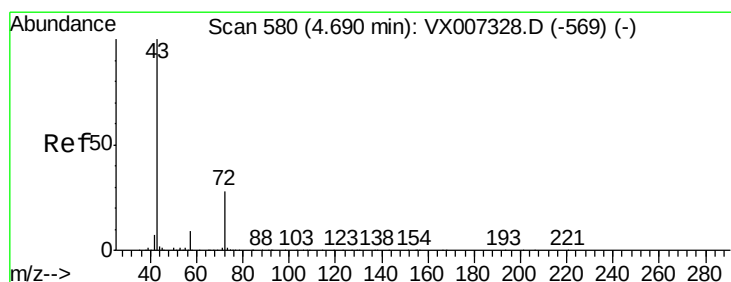
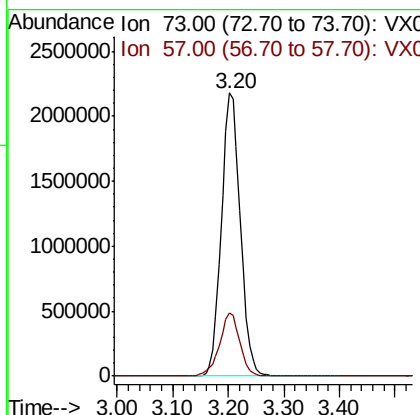
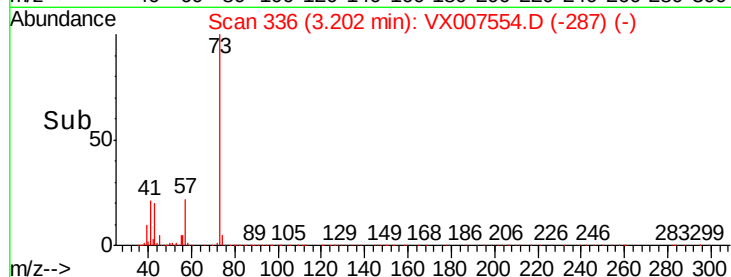
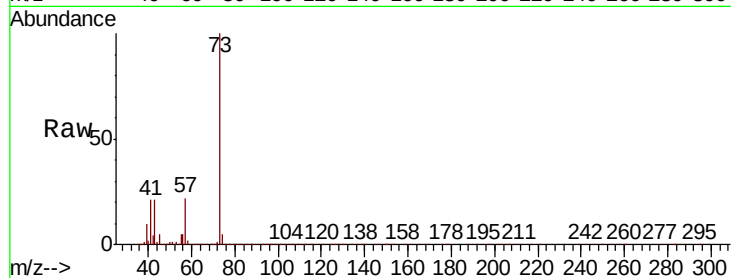
#19
Methyl tert-butyl Ether
Concen: 307.698 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion: 73 Resp: 5116823
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

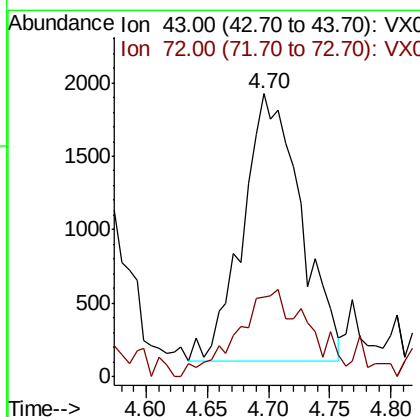
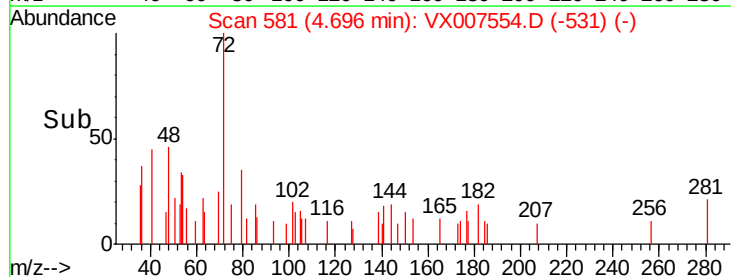
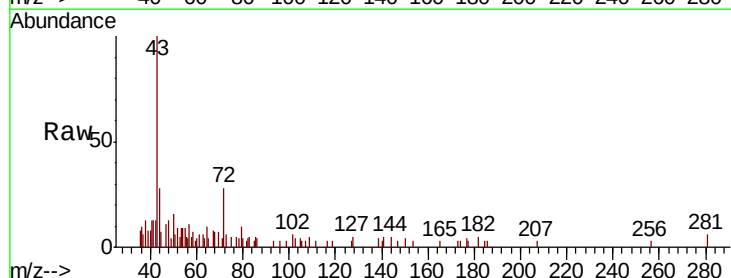
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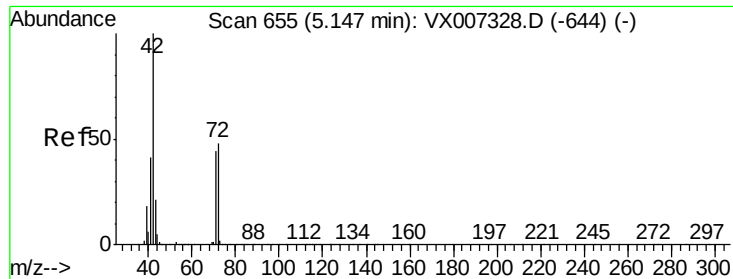
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#25
2-Butanone
Concen: 1.620 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion: 43 Resp: 6026
Ion Ratio Lower Upper
43 100
72 24.7 22.2 33.2





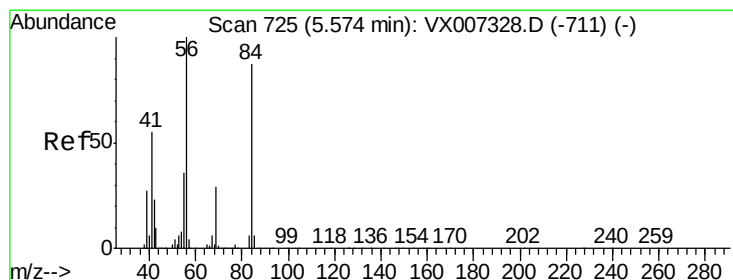
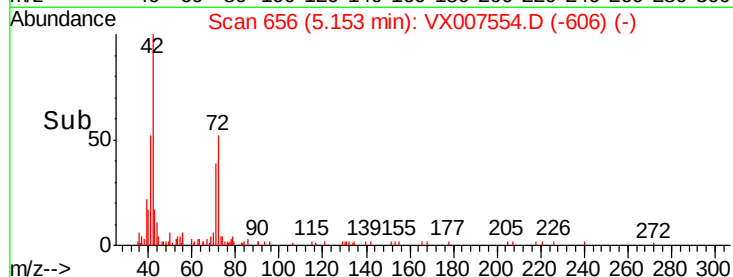
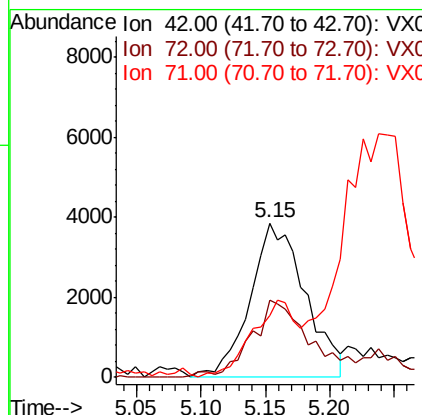
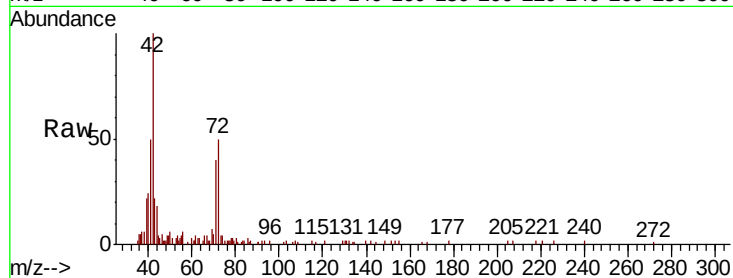
#29
Tetrahydrofuran
Concen: 4.902 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion:	42	Resp:	11469
Ion	Ratio	Lower	Upper
42	100		
72	53.8	37.6	56.4
71	40.1	34.6	51.8

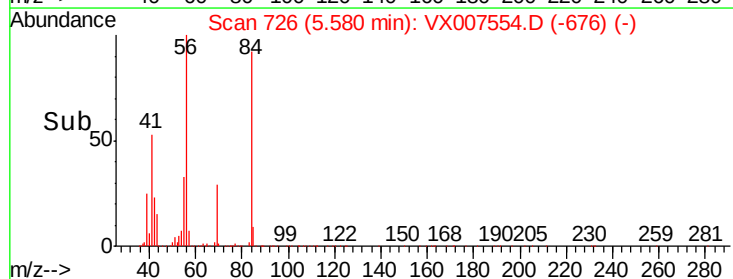
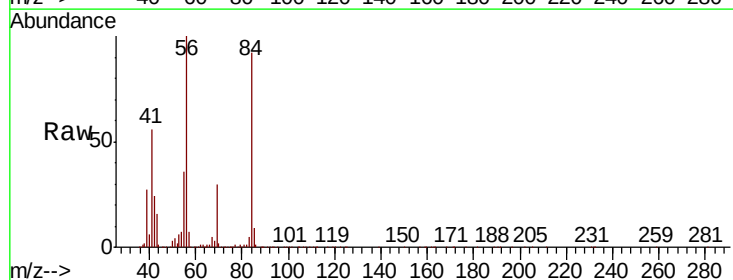
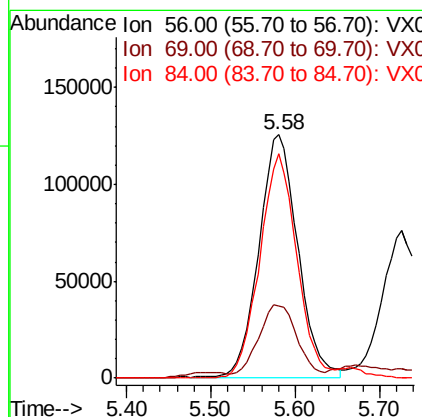
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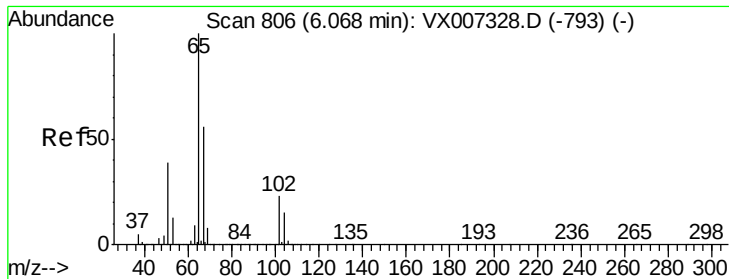
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#31
Cyclohexane
Concen: 49.987 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion:	56	Resp:	396637
Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.0	34.6
84	92.3	69.8	104.6





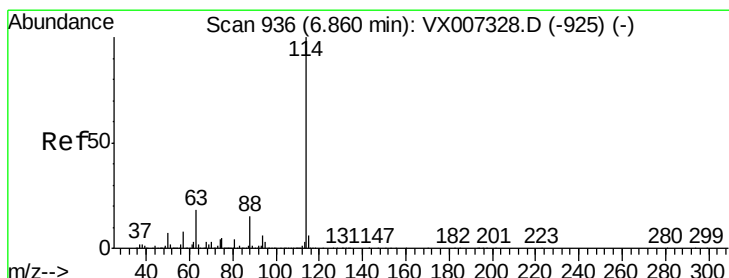
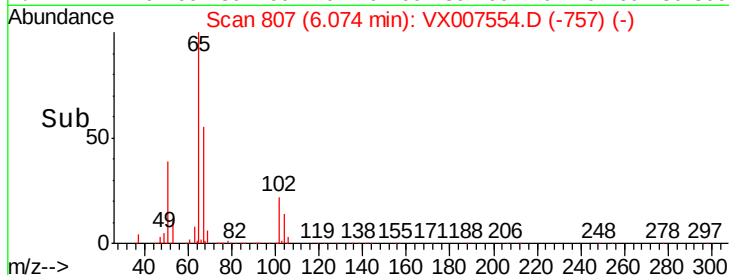
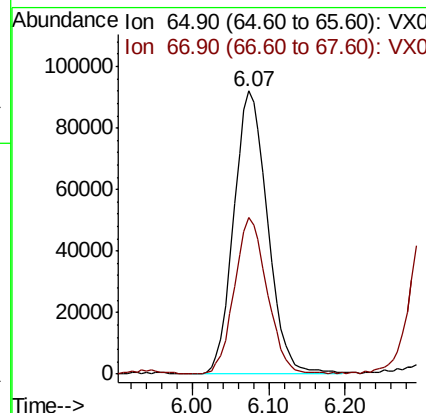
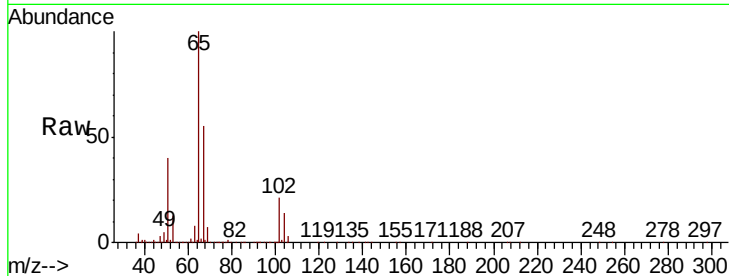
#33
 1,2-Dichloroethane-d4
 Concen: 49.332 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX007554.D
 Acq: 14 Feb 2019 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001IW089-190211

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281499		
67	53.1	0.0	108.8	

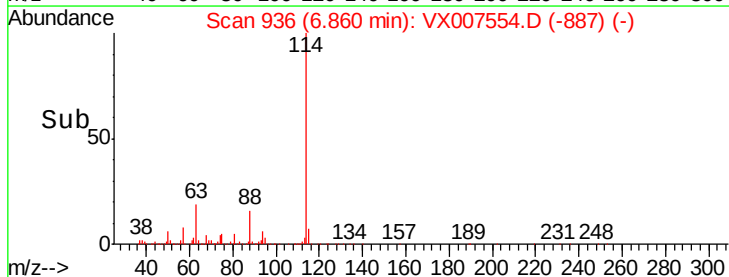
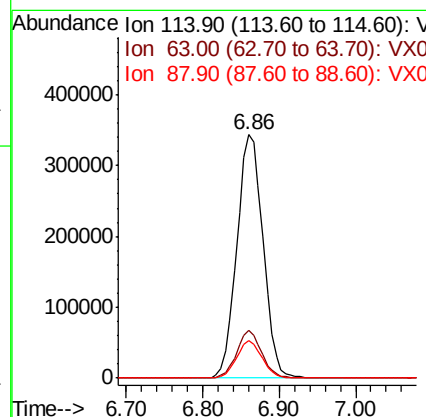
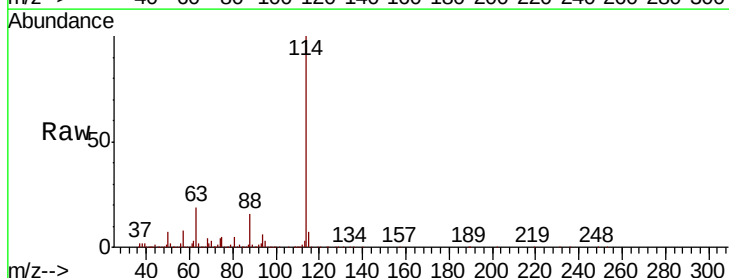
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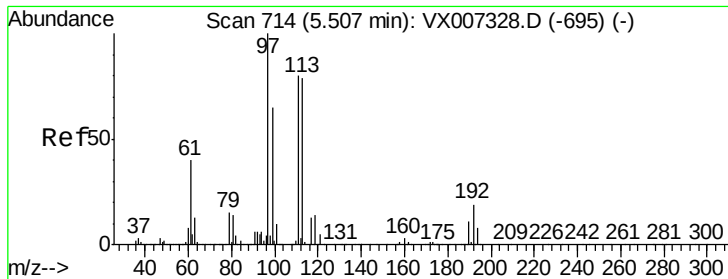
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007554.D
 Acq: 14 Feb 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	814765		
63	19.4	0.0	35.6	
88	15.6	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.880 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Instrument :

MSVOA_X

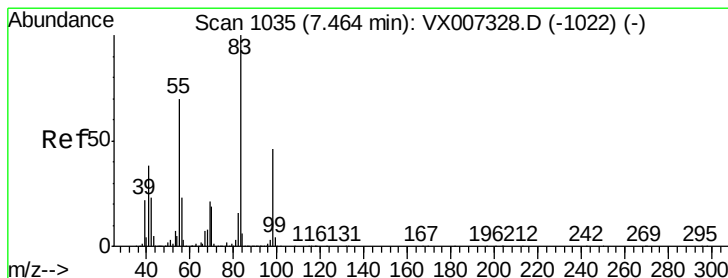
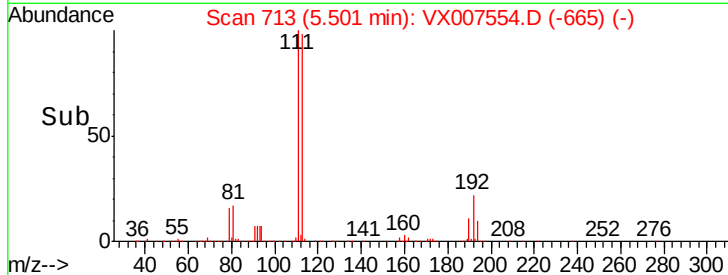
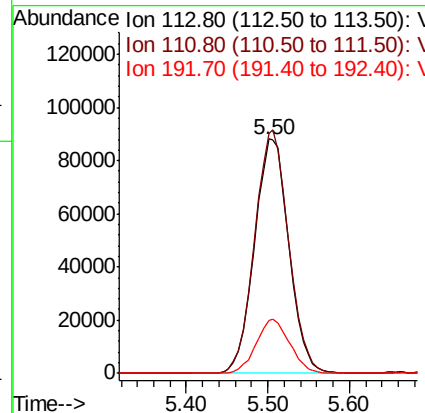
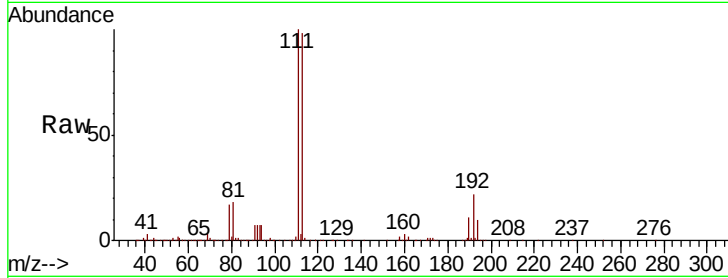
ClientSampleId :

KY001IW089-190211

Tot Ion:	113	Resp:	259132
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.8	122.8
192	22.5	18.5	27.7

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#39

Methylcyclohexane

Concen: 40.914 ug/l

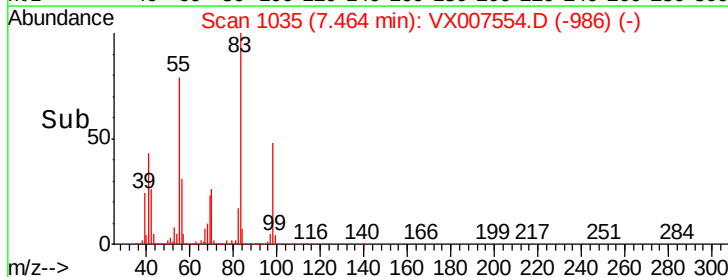
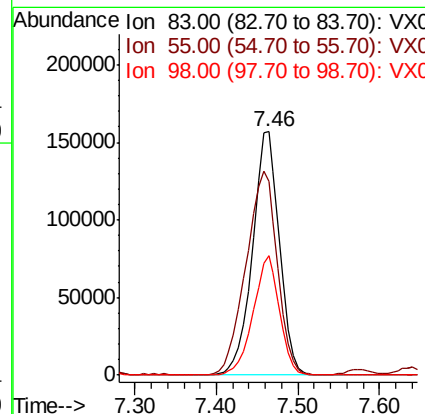
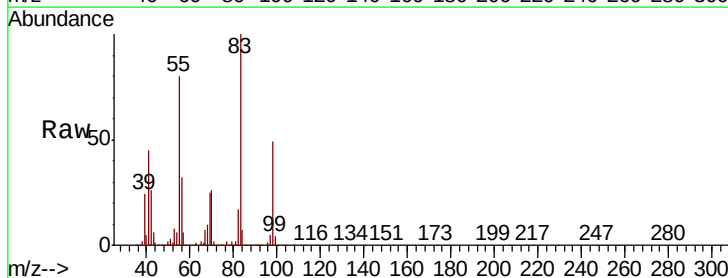
RT: 7.46 min Scan# 1035

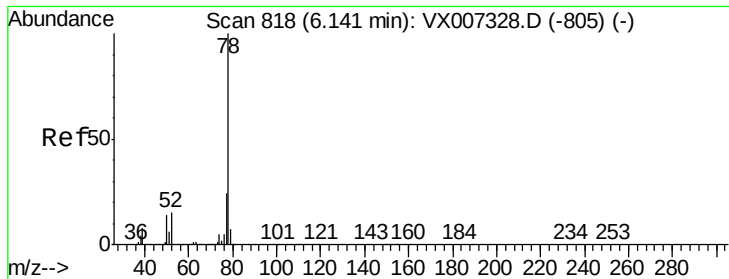
Delta R.T. 0.00 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Tgt Ion:	83	Resp:	361874
Ion Ratio	Lower	Upper	
83	100		
55	79.4	56.2	84.2
98	48.8	36.8	55.2





#40

Benzene

Concen: 1452.559 ug/l m

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

KY001IW089-190211

Tot Ion: 78 Resp: 31279720

Ion Ratio Lower Upper

78 100

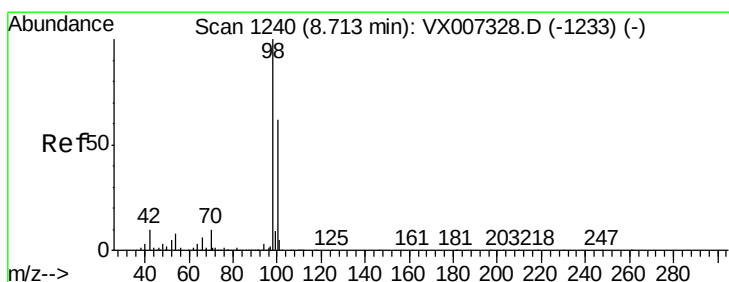
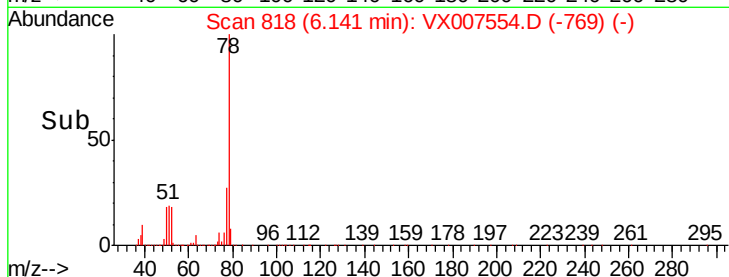
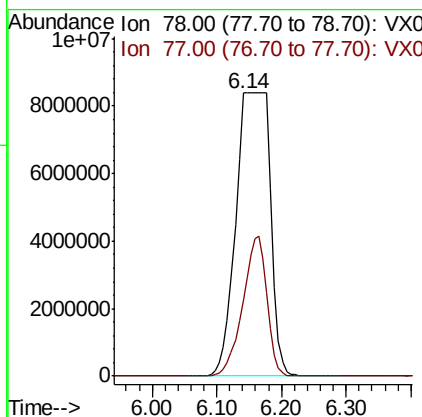
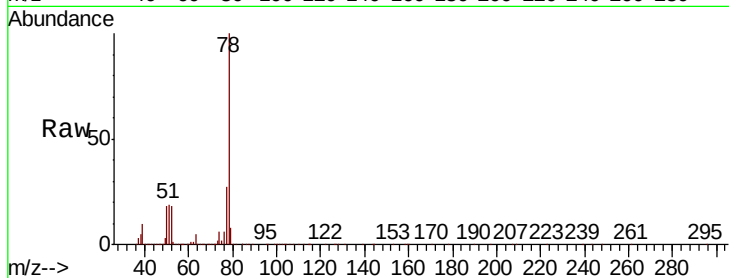
77 27.0 19.3 28.9

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#50

Toluene-d8

Concen: 50.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007554.D

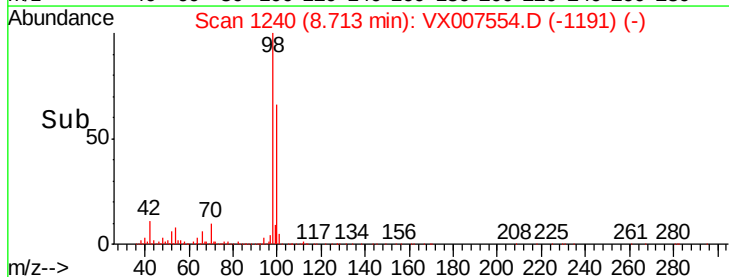
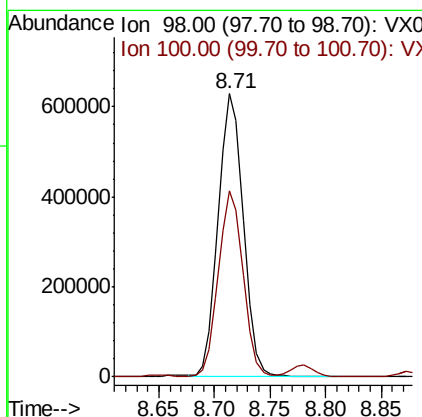
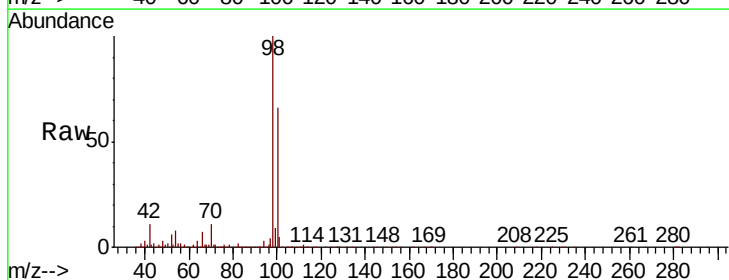
Acq: 14 Feb 2019 19:01

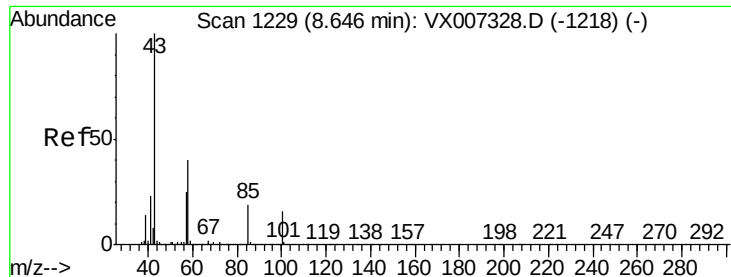
Tgt Ion: 98 Resp: 984207

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





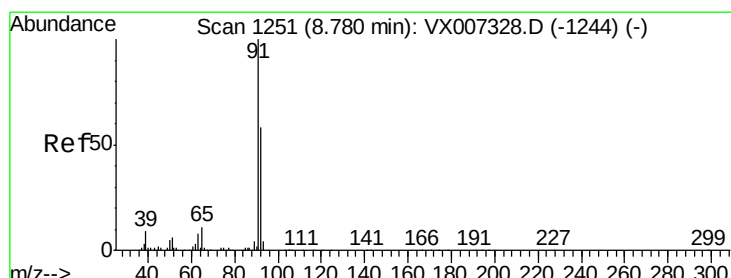
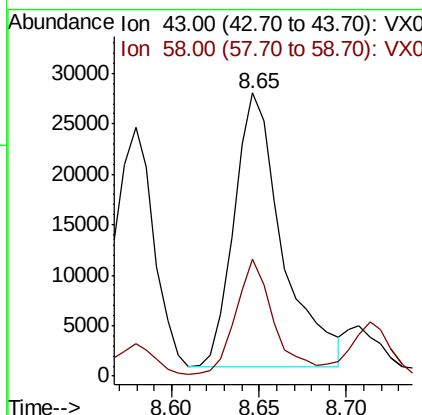
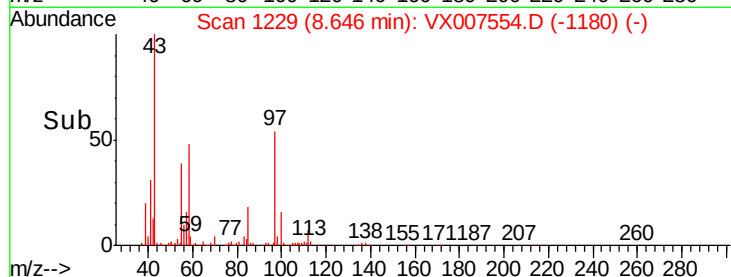
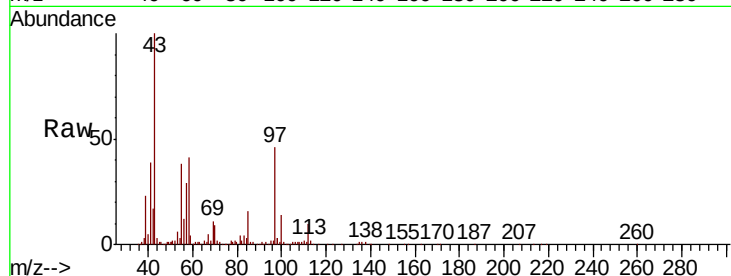
#51
4-Methyl-2-Pentanone
Concen: 6.914 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.9	31.2	46.8

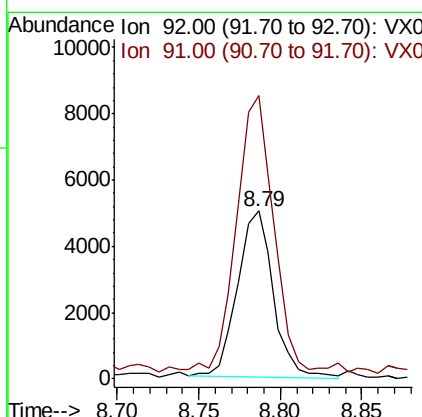
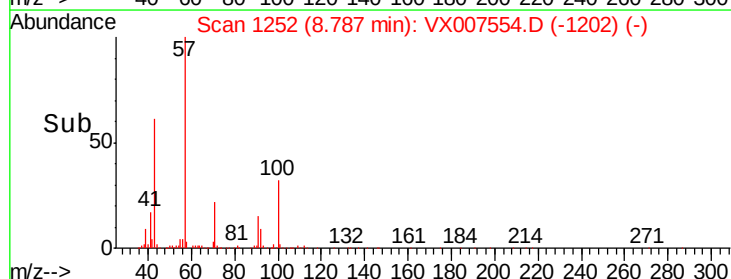
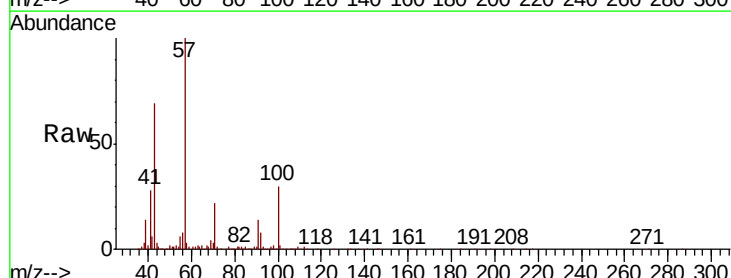
Manual Integrations
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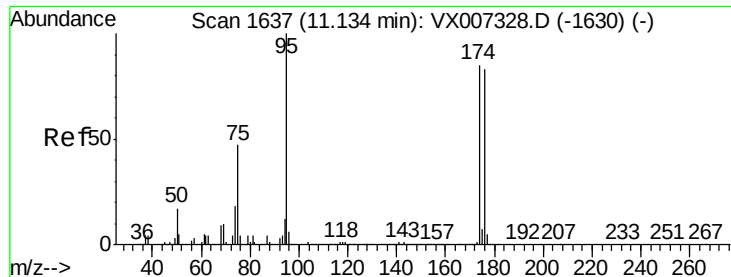
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#52
Toluene
Concen: 0.552 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.6	139.1	208.7





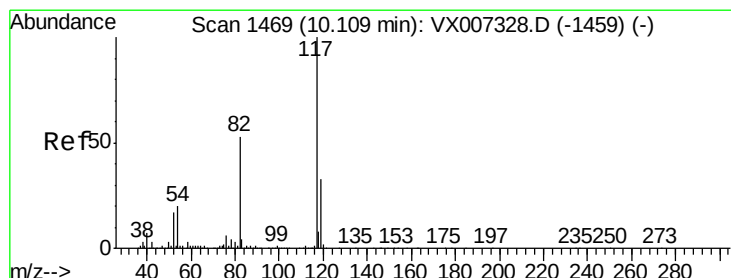
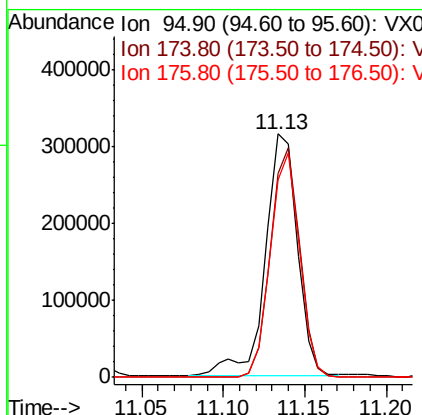
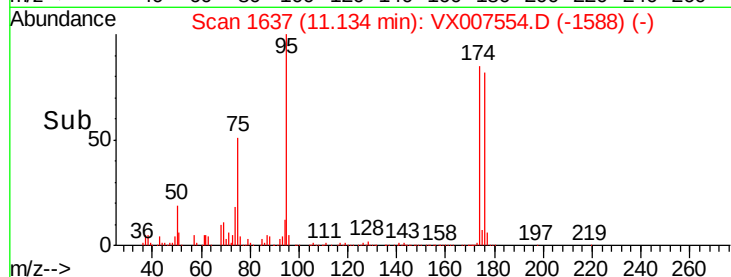
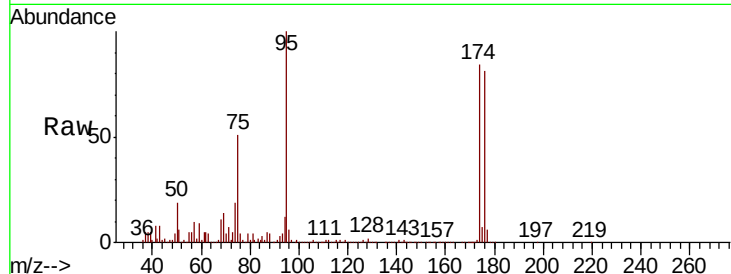
#62
4-Bromofluorobenzene
Concen: 59.471 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion	Ratio	Resp	Lower	Upper
95	100	427073		
174	86.5	0.0	189.2	
176	84.3	0.0	186.2	

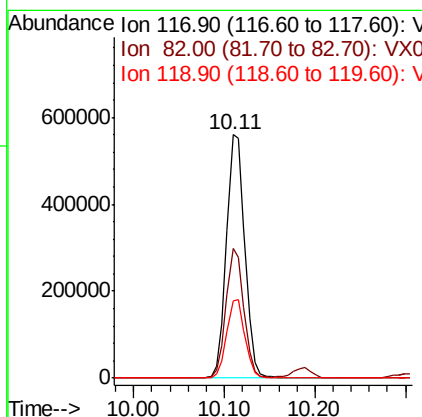
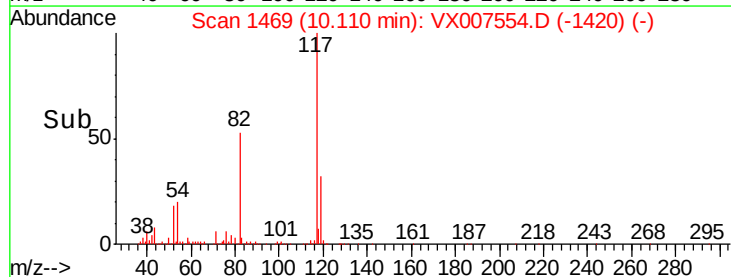
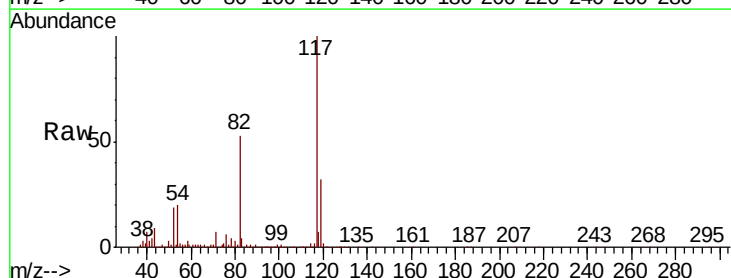
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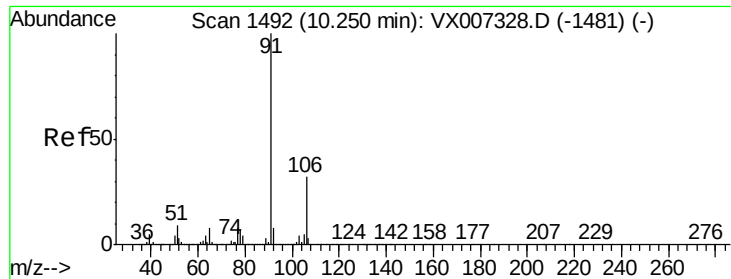
MMDadoda
2/15/2019 10:10:26 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	788247		
82	53.2	42.1	63.1	
119	31.7	26.5	39.7	





#67

Ethyl Benzene

Concen: 705.590 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

KY001W089-190211

Tot Ion: 91 Resp:19544998

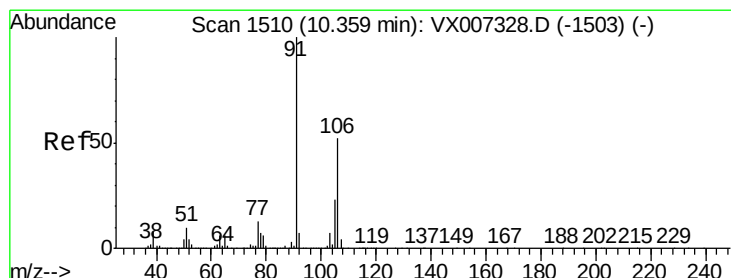
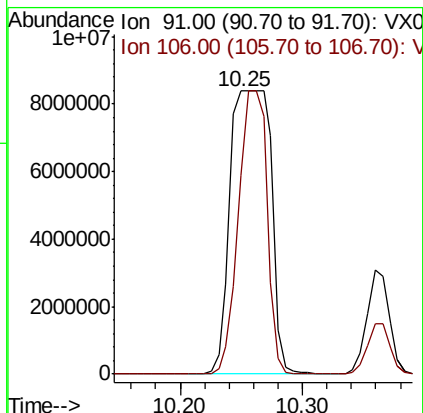
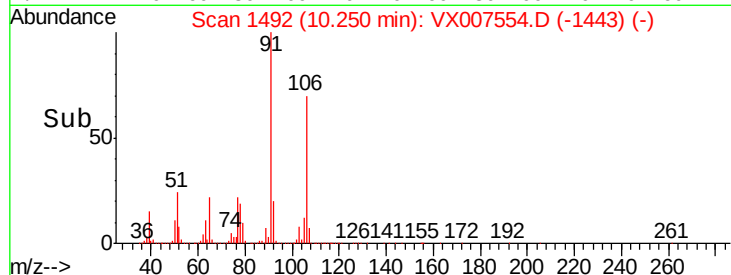
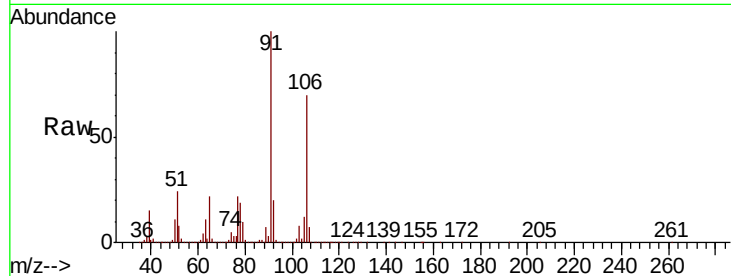
Ion Ratio Lower Upper

91 100

106 70.2 25.4 38.0#

Manual Integrations
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2/15/2019 10:10:26 AM



#68

m/p-Xylenes

Concen: 175.769 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007554.D

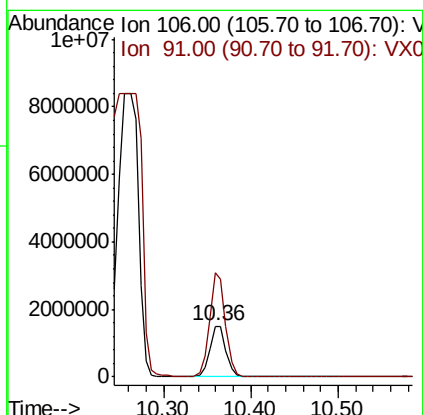
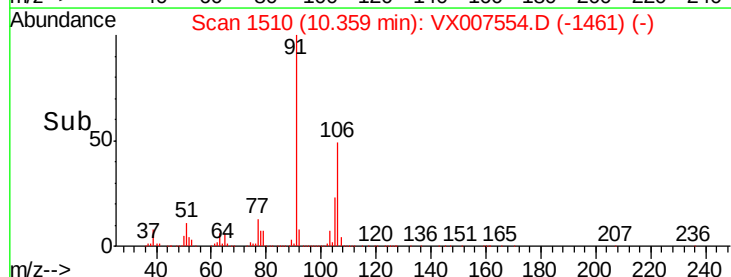
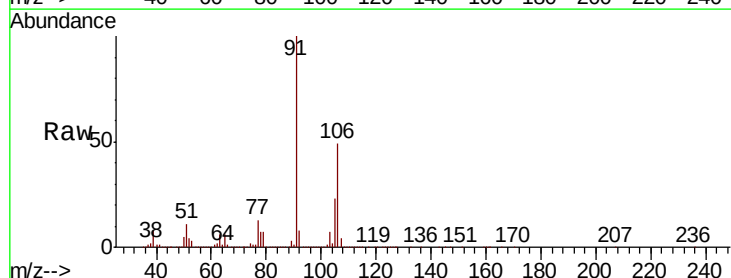
Acq: 14 Feb 2019 19:01

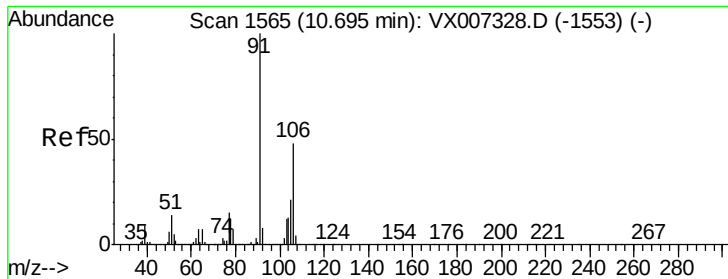
Tgt Ion:106 Resp: 1935426

Ion Ratio Lower Upper

106 100

91 200.3 156.6 234.8





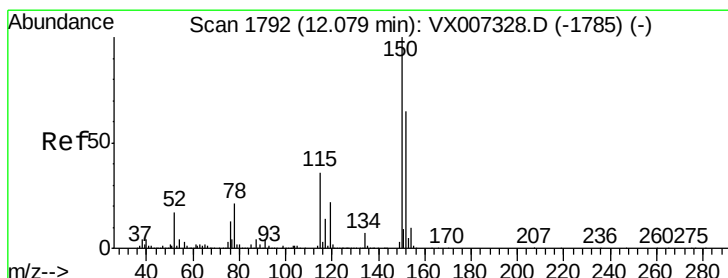
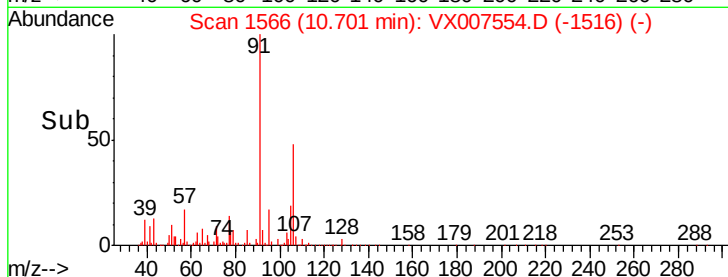
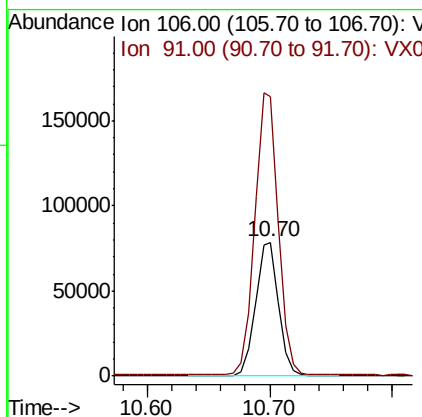
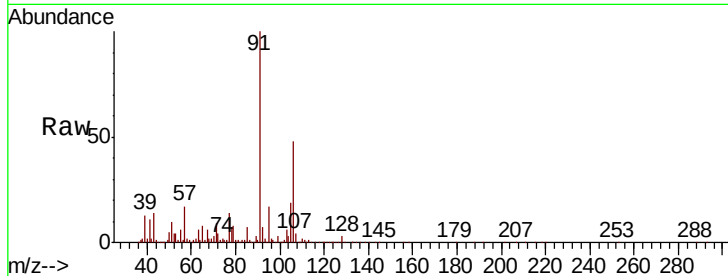
#69
o-Xylene
Concen: 9.705 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.7	102.9	308.7

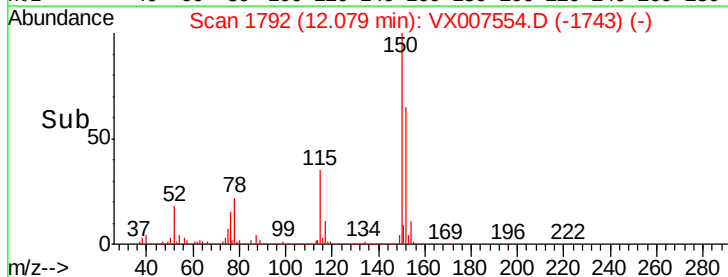
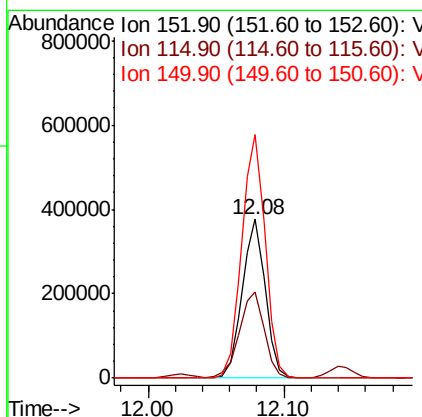
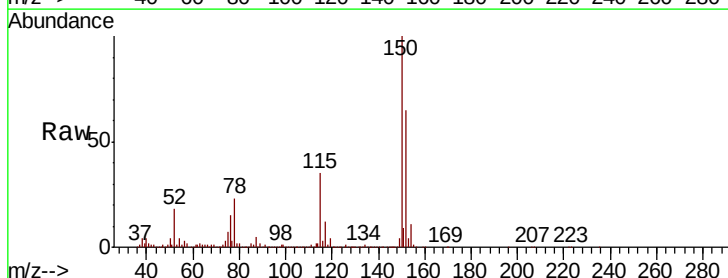
Manual Integrations
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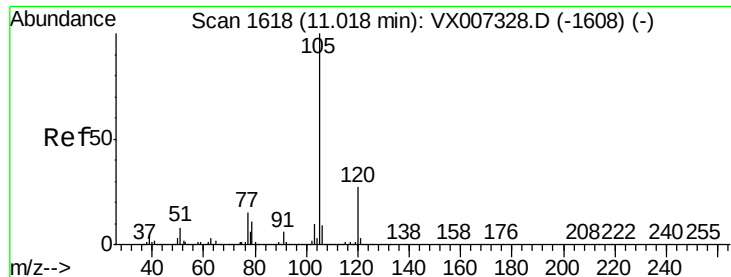
MMDadoda
2/15/2019 10:10:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	38.0	114.0
150	156.5	0.0	346.4





#73

Isopropylbenzene

Concen: 219.355 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007554.D

Acq: 14 Feb 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

KY001IW089-190211

Tot Ion:105 Resp: 6609920

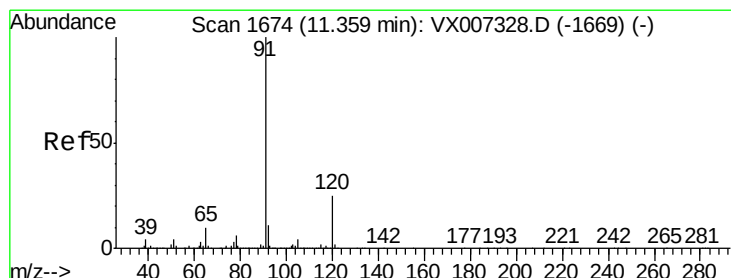
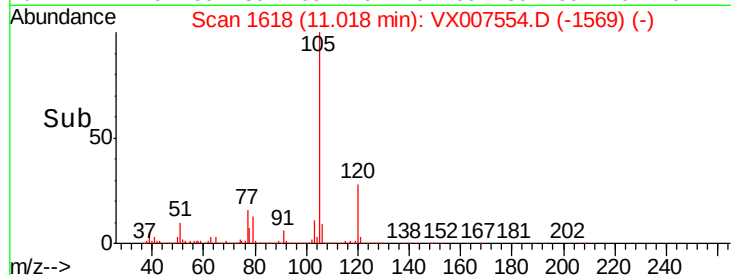
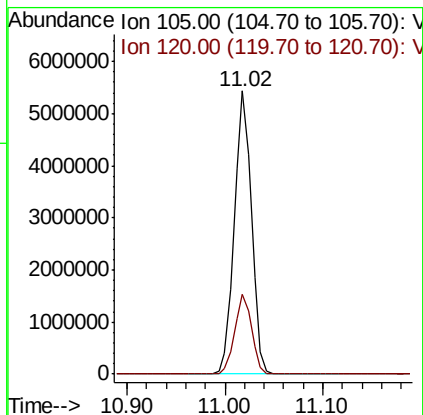
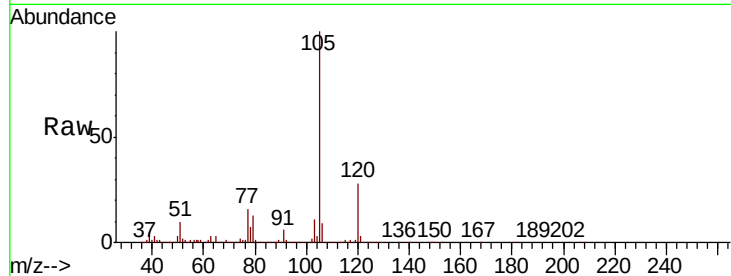
Ion Ratio Lower Upper

105 100

120 27.9 13.6 40.7

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2/15/2019 10:10:26 AM



#78

n-propylbenzene

Concen: 240.721 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007554.D

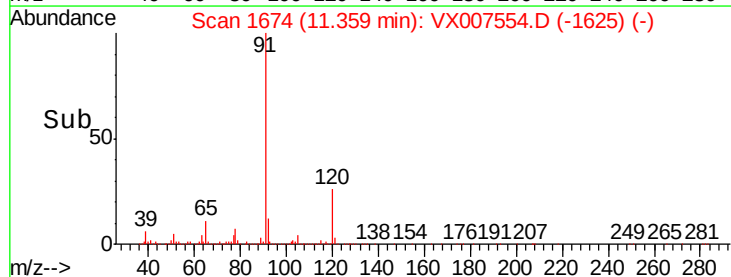
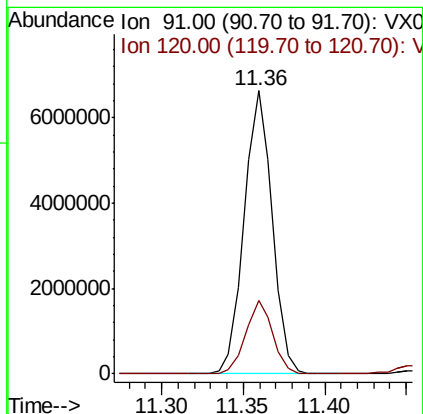
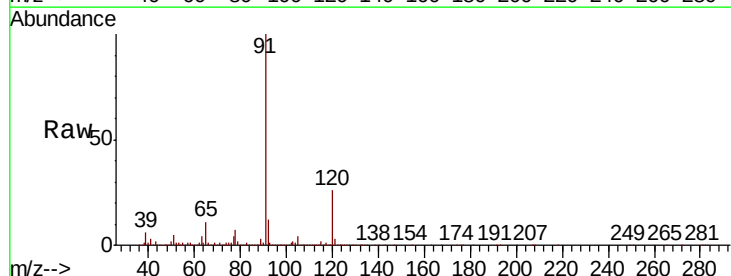
Acq: 14 Feb 2019 19:01

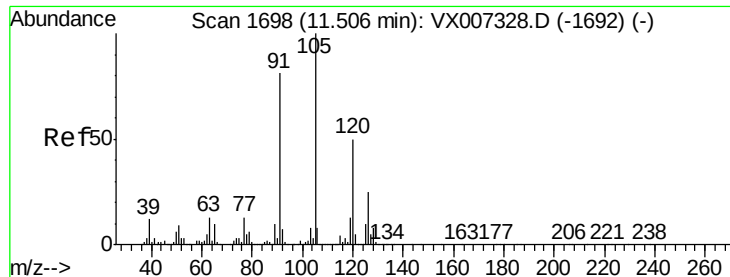
Tgt Ion: 91 Resp: 7954192

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.2





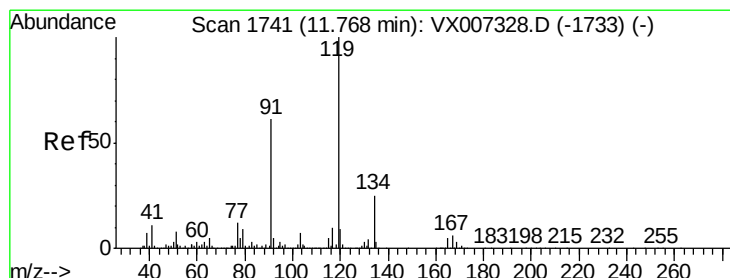
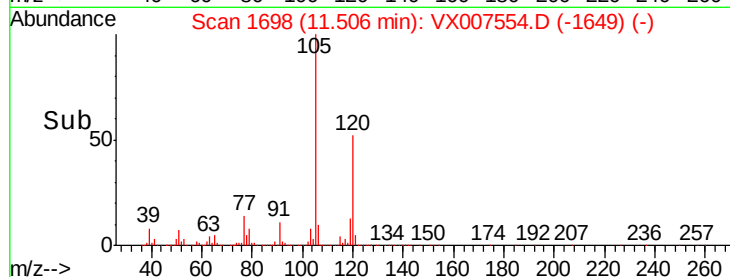
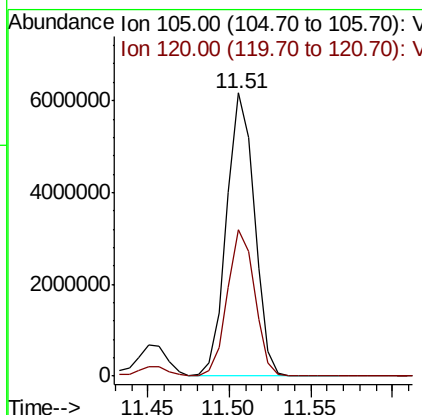
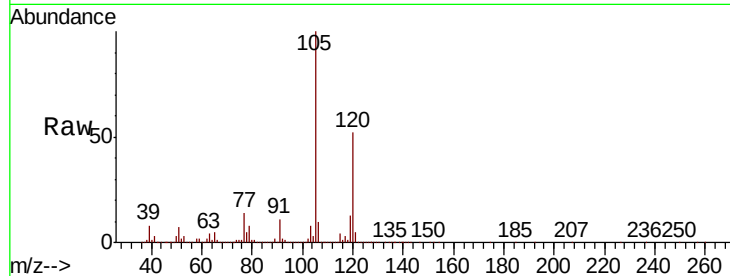
#80
 1,3,5-Trimethylbenzene
 Concen: 297.177 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007554.D
 Acq: 14 Feb 2019 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001IW089-190211

Tot Ion:105 Resp: 7326241
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.3 75.8

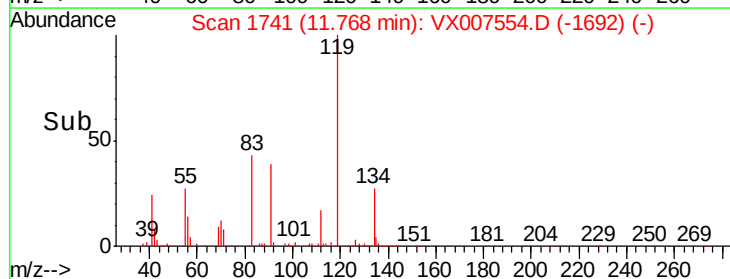
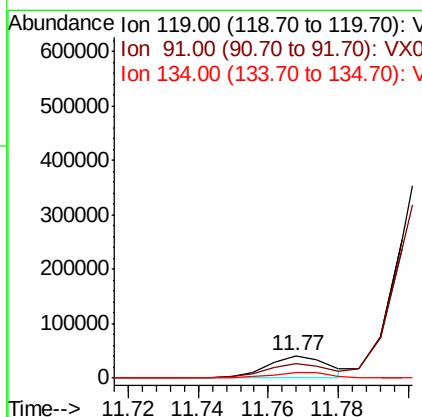
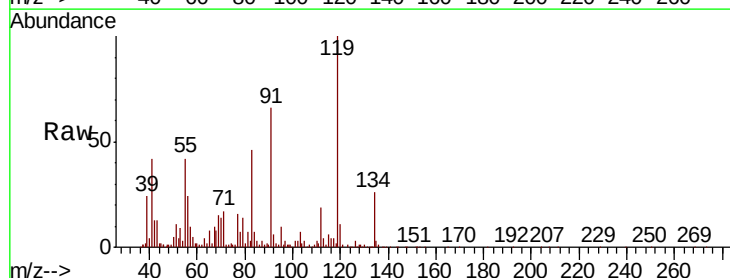
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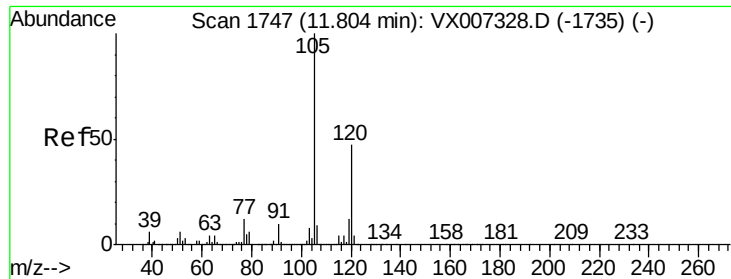
MMDadoda
 2/15/2019 10:10:26 AM



#83
 tert-Butylbenzene
 Concen: 2.015 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007554.D
 Acq: 14 Feb 2019 19:01

Tgt Ion:119 Resp: 49191
 Ion Ratio Lower Upper
 119 100
 91 65.3 28.5 85.6
 134 27.0 12.0 36.0





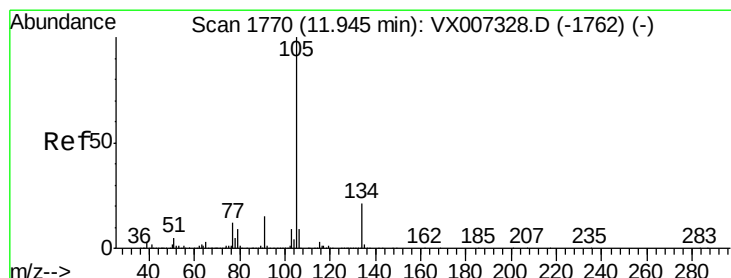
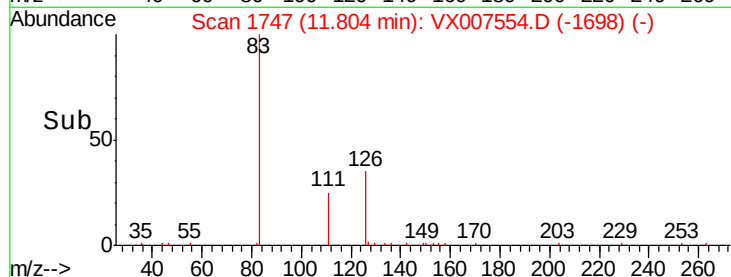
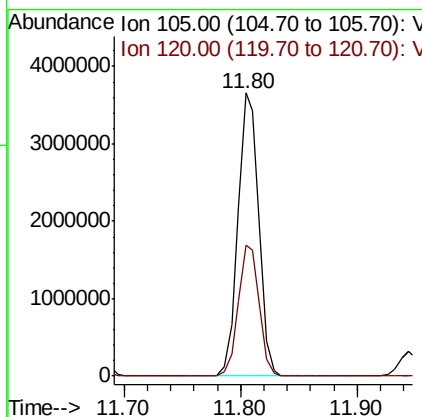
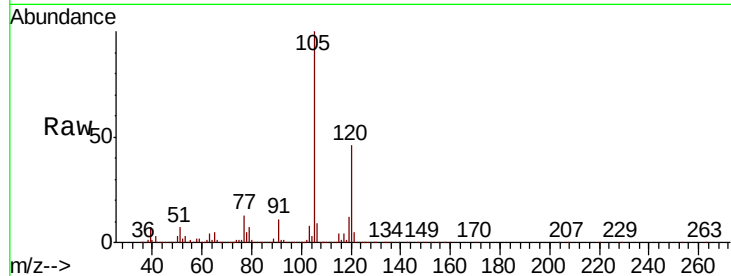
#84
1,2,4-Trimethylbenzene
Concen: 181.090 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion:105 Resp: 4532399
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3

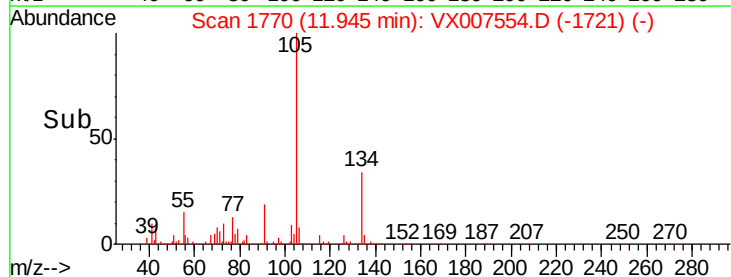
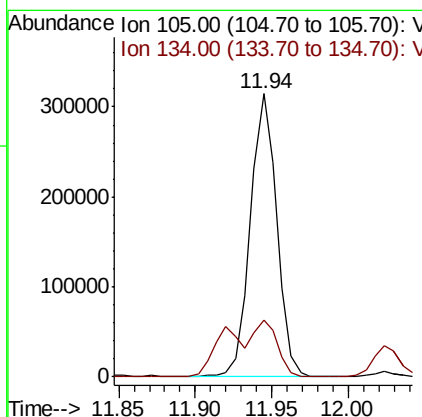
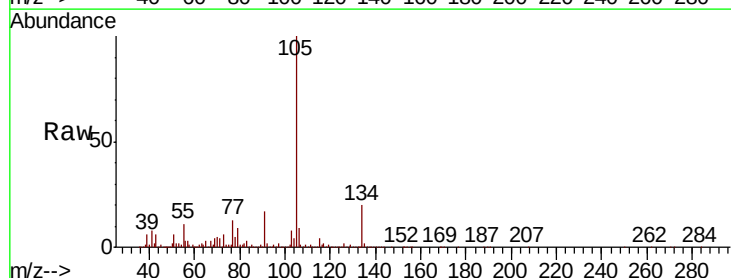
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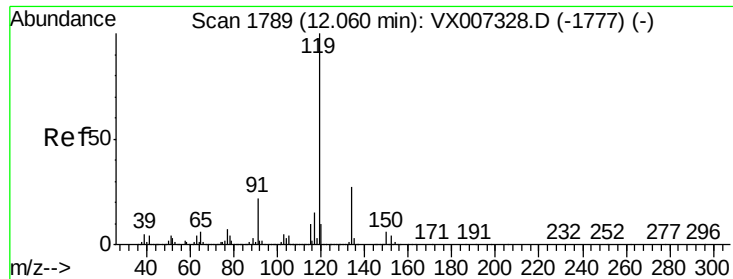
MMDadoda
2/15/2019 10:10:26 AM



#85
sec-Butylbenzene
Concen: 12.706 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion:105 Resp: 375359
Ion Ratio Lower Upper
105 100
134 18.9 10.6 31.8





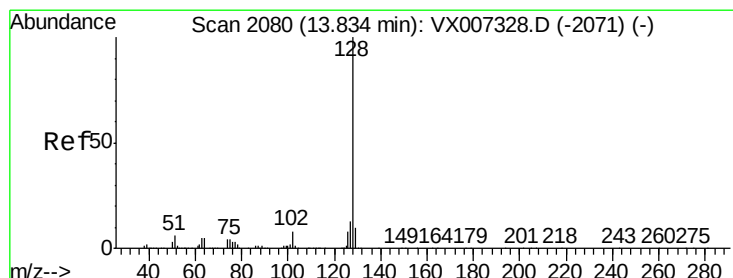
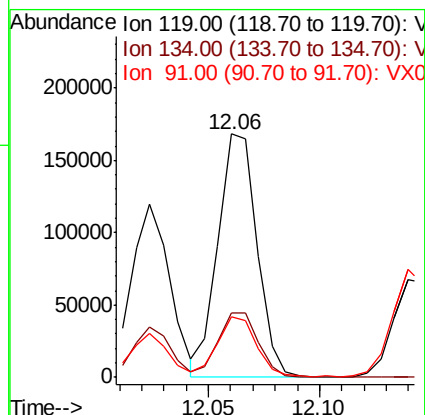
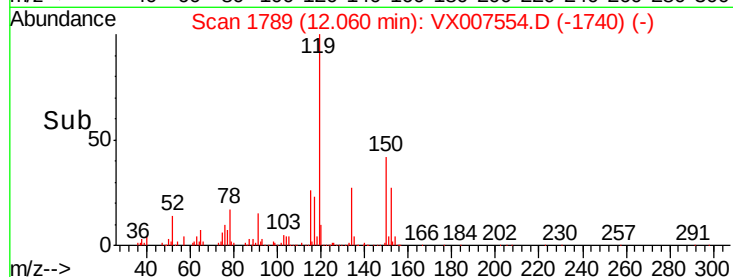
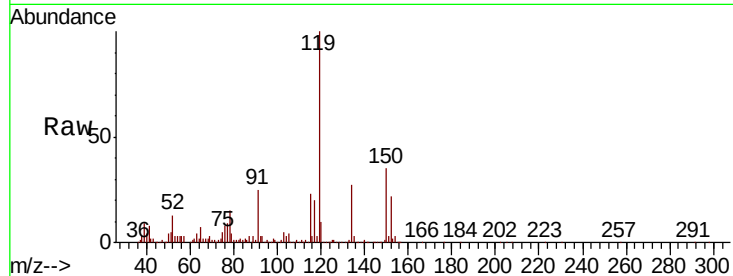
#86
p-Isopropyltoluene
Concen: 7.677 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
KY001IW089-190211

Tot Ion	Ratio	Resp	Lower	Upper
119	100	204728		
134	27.4		13.7	41.1
91	24.4		11.2	33.5

Manual Integrations
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MMDadoda
2/15/2019 10:10:26 AM



#95
Naphthalene
Concen: 109.246 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007554.D
Acq: 14 Feb 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	3267028		
127	13.0		10.5	15.7
129	11.2		8.7	13.1

