

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007486.D
 Acq On : 12 Feb 2019 14:10
 Operator : JC/SP
 Sample : K1433-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-190207DL

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:00:45 PM

Quant Time: Feb 13 12:09:34 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	472684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	736874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	675241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	343572	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	251867	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
35) Dibromofluoromethane	5.50	113	234888	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
50) Toluene-d8	8.71	98	878207	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	310229	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.10	59	11328	10.910	ug/l	98
16) Acetone	2.46	43	3867	1.683	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	85913	5.876	ug/l	99
31) Cyclohexane	5.57	56	63483	9.099	ug/l	99
39) Methylcyclohexane	7.46	83	59175	7.398	ug/l	95
40) Benzene	6.14	78	831381	42.688	ug/l	100
67) Ethyl Benzene	10.25	91	173713	7.321	ug/l	99
68) m/p-Xylenes	10.36	106	47393	5.024	ug/l	95
73) Isopropylbenzene	11.02	105	308963	13.233	ug/l	98
78) n-propylbenzene	11.36	91	373288	14.580	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	35025	1.834	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	68795	3.548	ug/l	99
89) n-Butylbenzene	12.38	91	19276m	1.085	ug/l	
95) Naphthalene	13.83	128	988291	42.653	ug/l	99

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

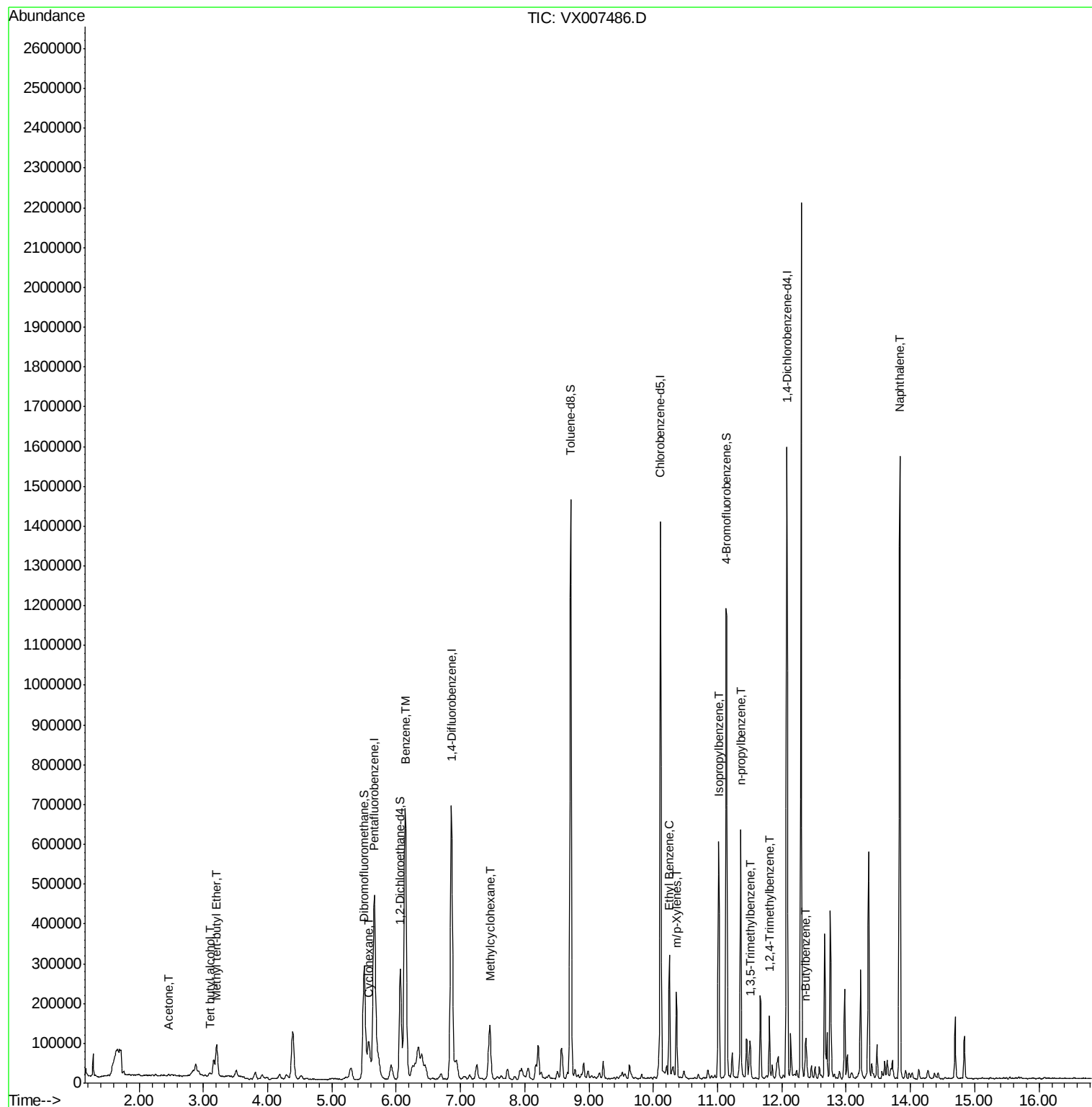
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021219\
Data File : VX007486.D
Acq On : 12 Feb 2019 14:10
Operator : JC/SP
Sample : K1433-03DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

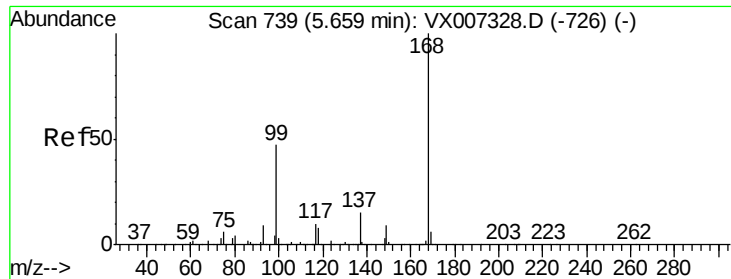
Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

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Quant Time: Feb 13 12:09:34 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# 739

Delta R.T. -0.00 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Instrument :

MSVOA_X

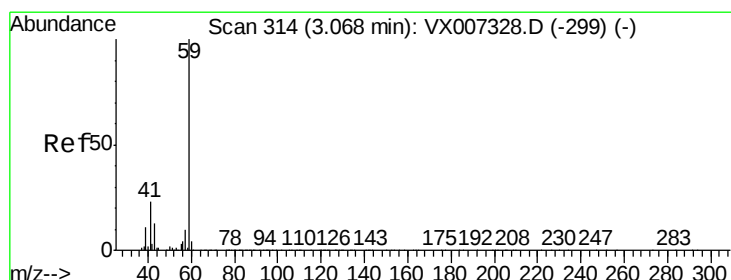
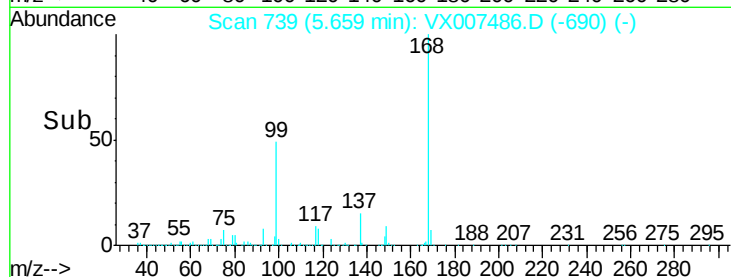
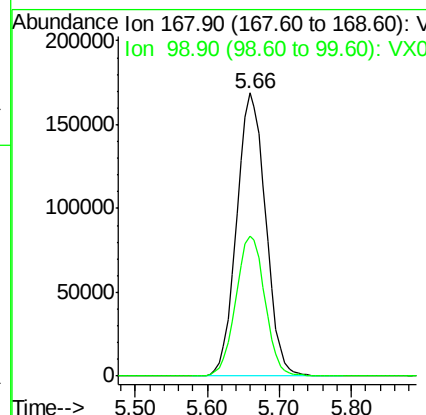
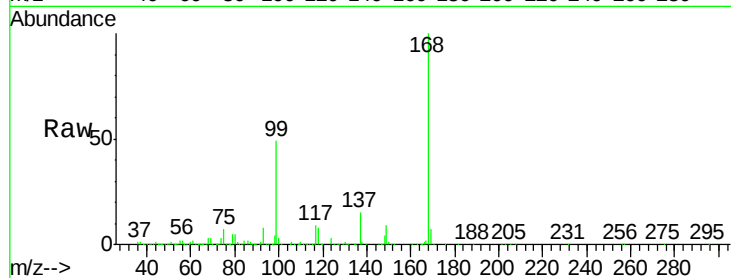
ClientSampleId :

KY001MW038-190207DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.3	37.9	56.9

Manual Integrations
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#11

Tert butyl alcohol

Concen: 10.910 ug/l

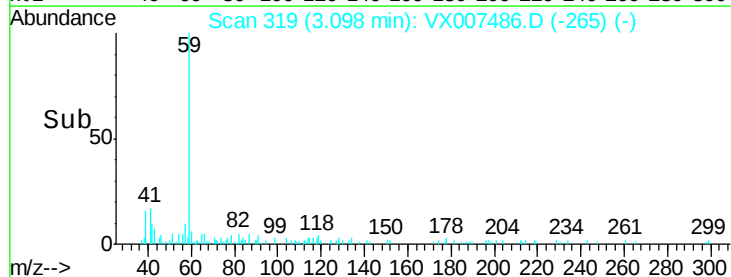
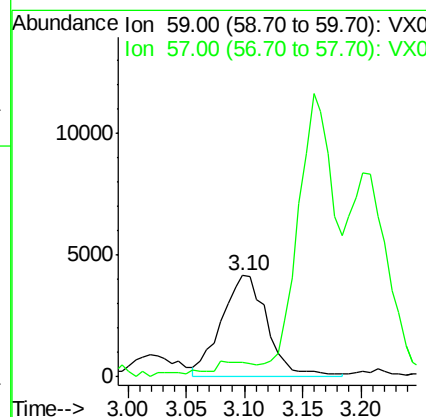
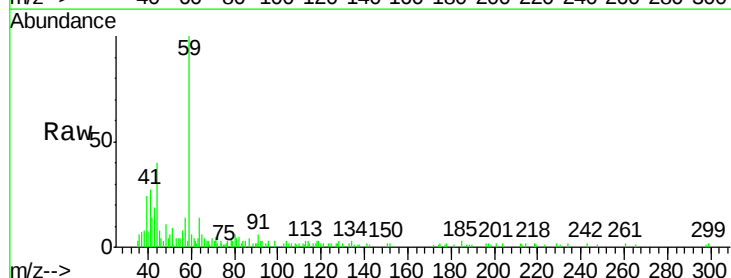
RT: 3.10 min Scan# 319

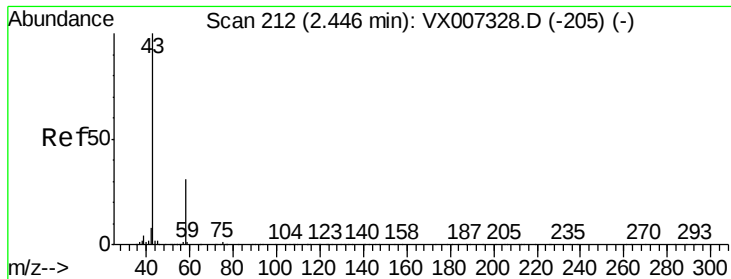
Delta R.T. 0.03 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1





#16

Acetone

Concen: 1.683 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-190207DL

Tot Ion: 43 Resp: 3867

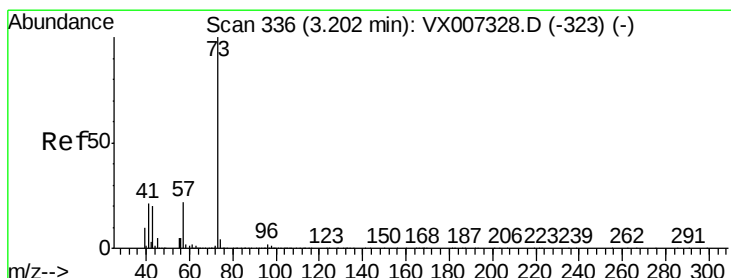
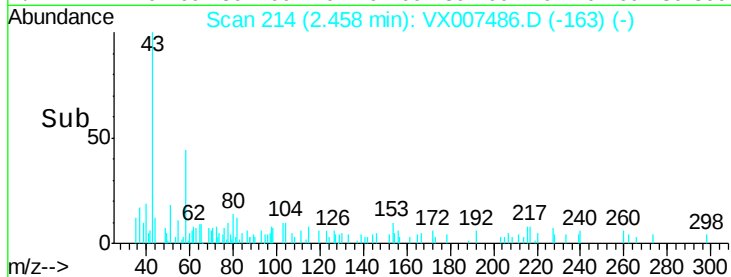
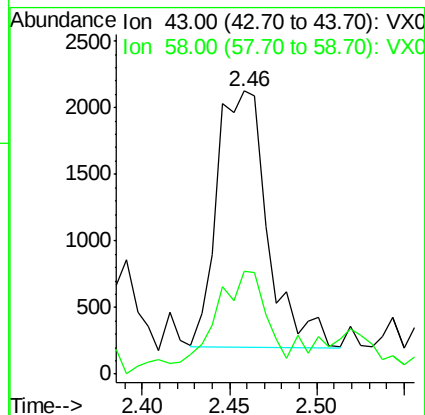
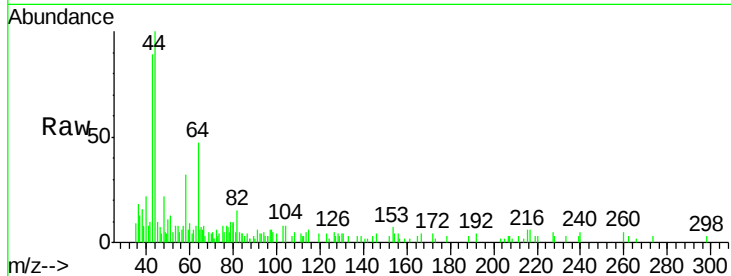
Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3

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#19

Methyl tert-butyl Ether

Concen: 5.876 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007486.D

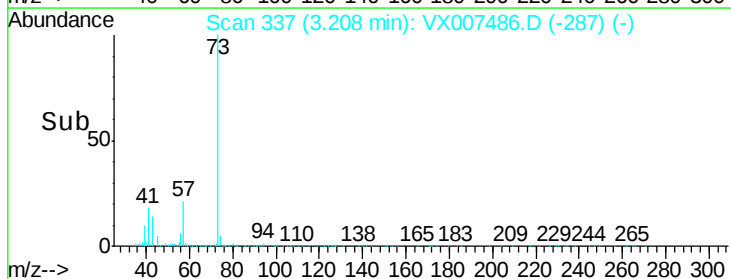
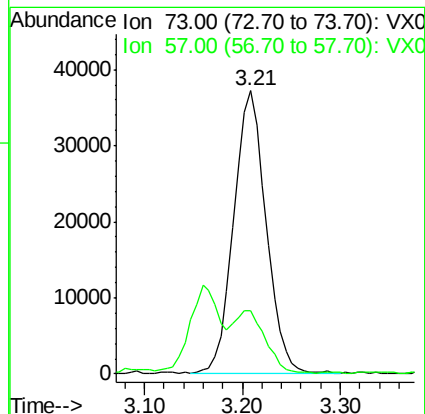
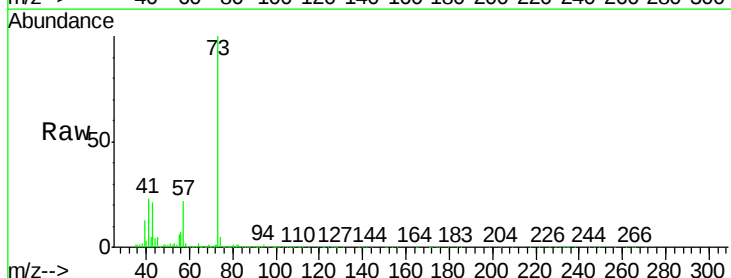
Acq: 12 Feb 2019 14:10

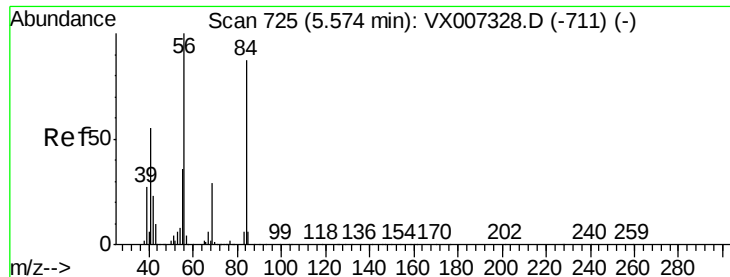
Tgt Ion: 73 Resp: 85913

Ion Ratio Lower Upper

73 100

57 21.9 17.8 26.8





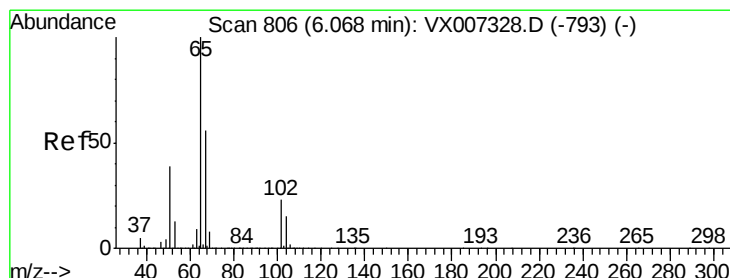
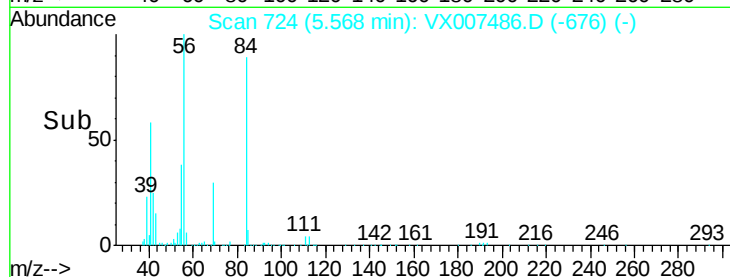
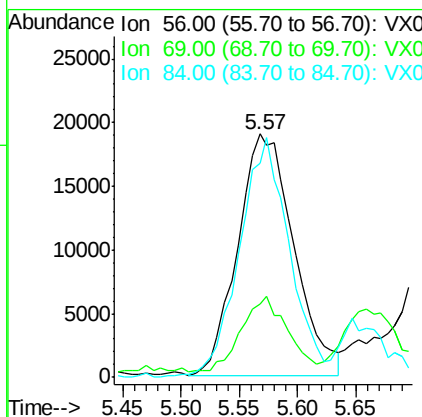
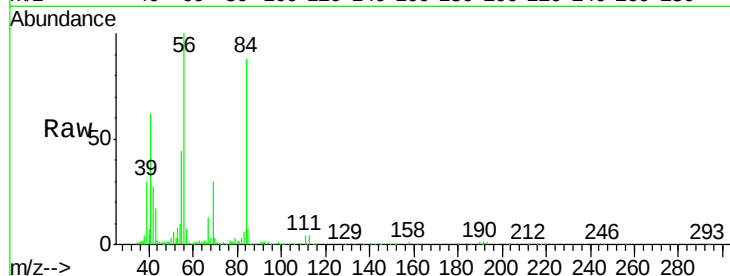
#31
Cyclohexane
Concen: 9.099 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.0	34.6
84	87.6	69.8	104.6

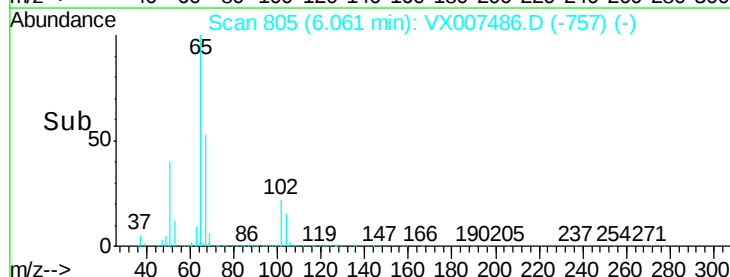
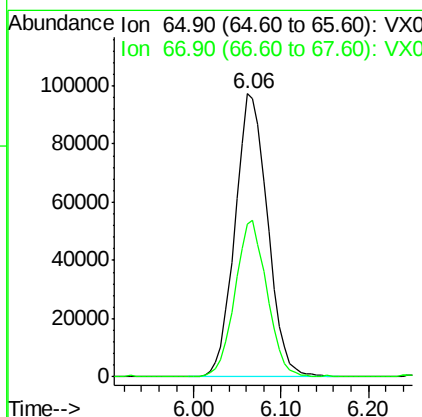
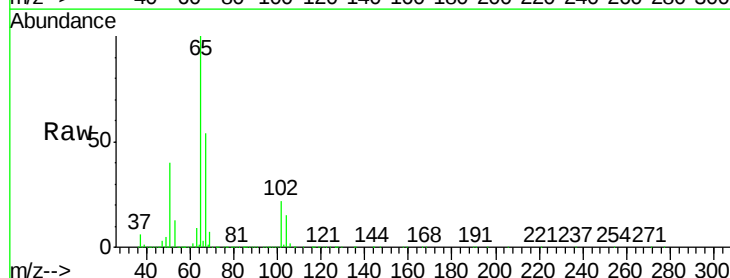
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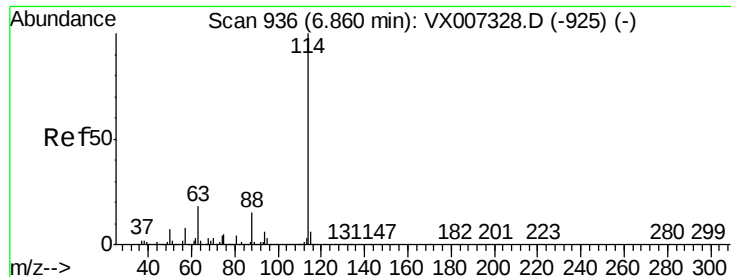
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#33
1,2-Dichloroethane-d4
Concen: 50.201 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	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: VX007486.D

Acq: 12 Feb 2019 14:10

Instrument :

MSVOA_X

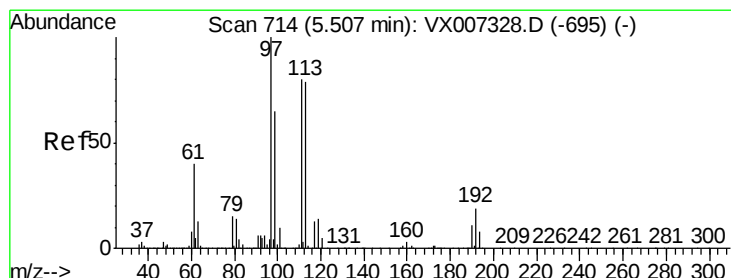
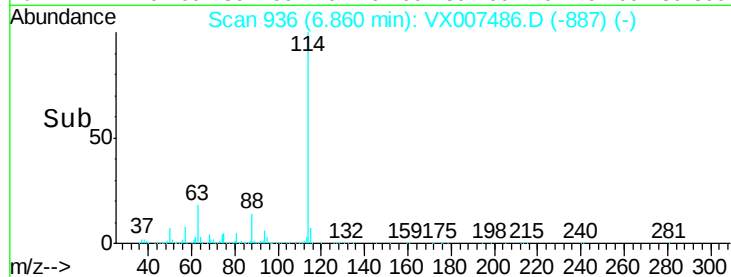
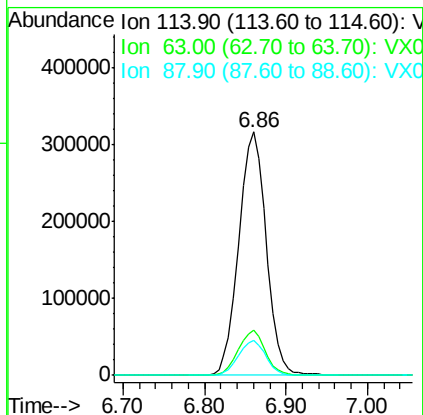
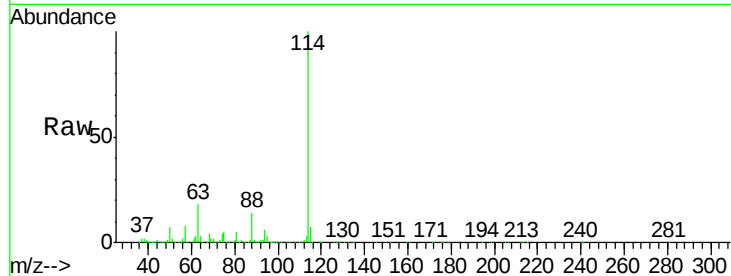
ClientSampleId :

KY001MW038-190207DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		736874		
63	18.4		0.0	35.6	
88	14.5		0.0	29.6	

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.990 ug/l

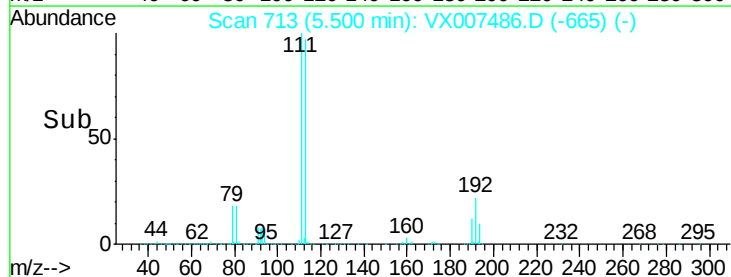
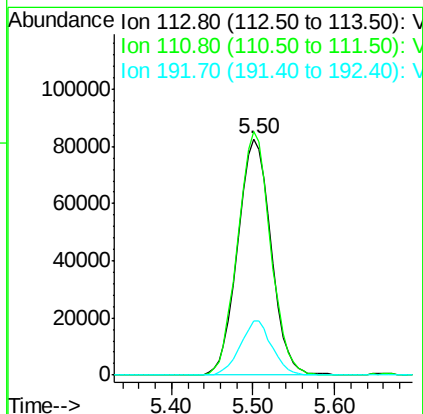
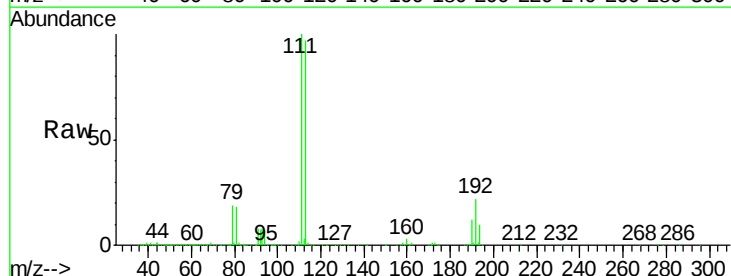
RT: 5.50 min Scan# 713

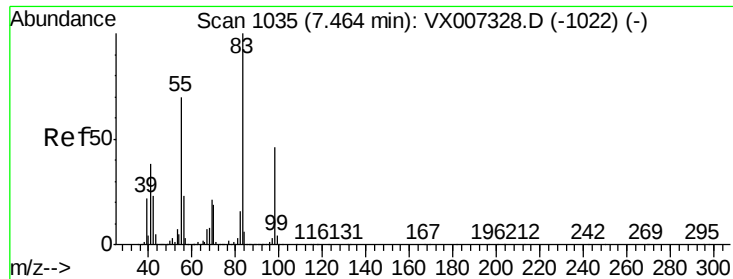
Delta R.T. -0.01 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		234888		
111	101.6		81.8	122.8	
192	22.0		18.5	27.7	





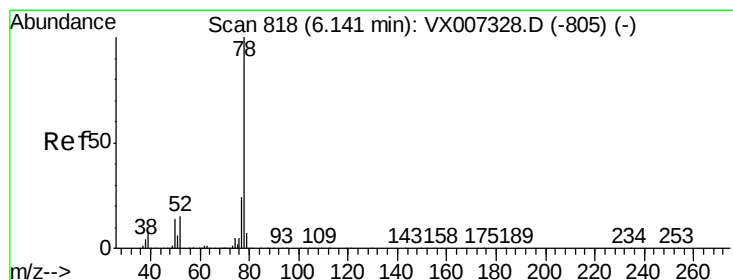
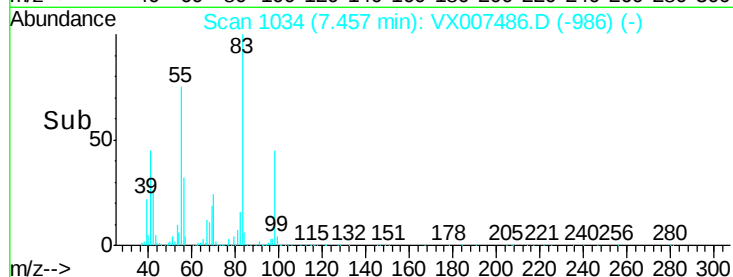
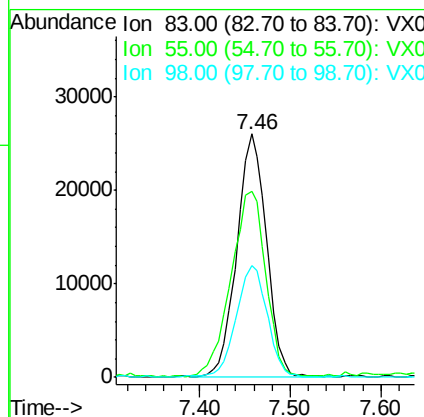
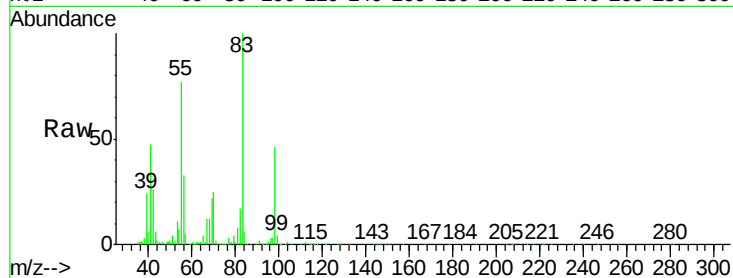
#39
Methvlcvclohexane
Concen: 7.398 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	59175		
55	75.9		56.2	84.2
98	45.2		36.8	55.2

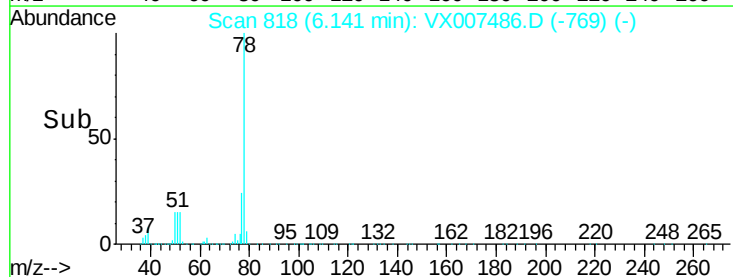
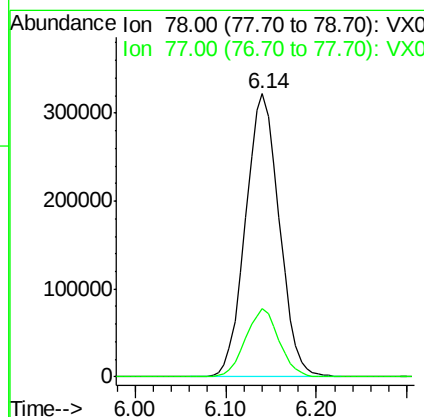
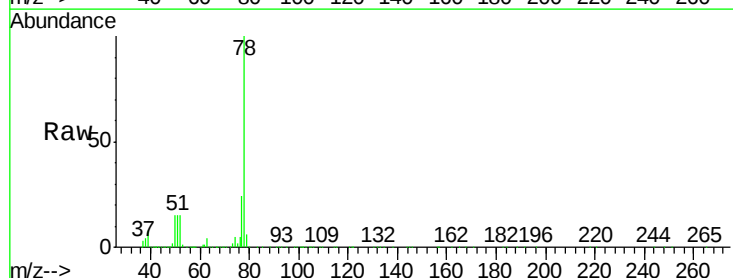
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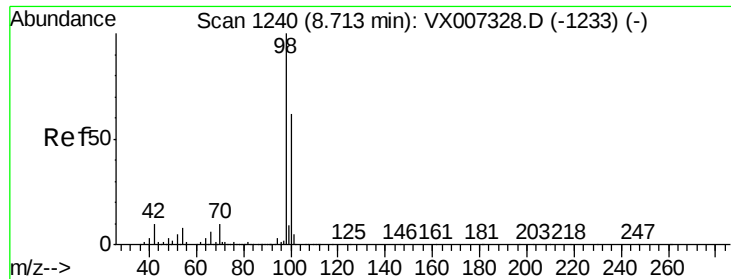
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#40
Benzene
Concen: 42.688 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	831381		
77	24.1		19.3	28.9





#50

Toluene-d8

Concen: 49.369 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-190207DL

Tot Ion: 98 Resp: 878207

Ion Ratio Lower Upper

98 100

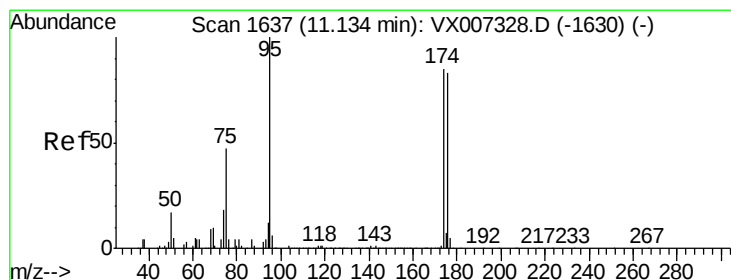
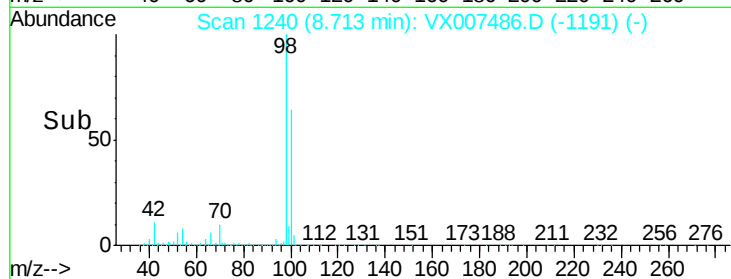
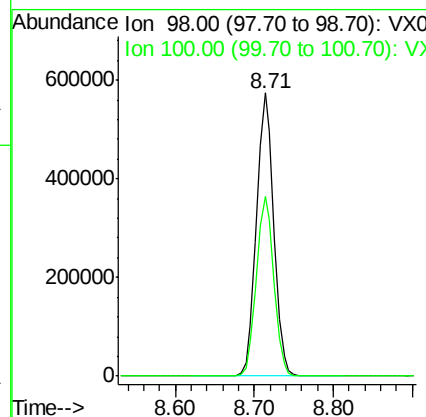
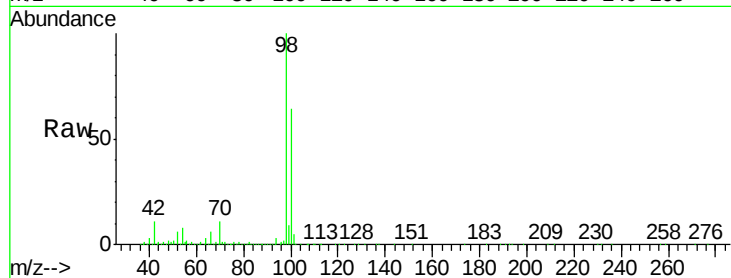
100 64.2 51.6 77.4

Manual Integrations

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2/13/2019 12:00:45 PM



#62

4-Bromofluorobenzene

Concen: 47.767 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

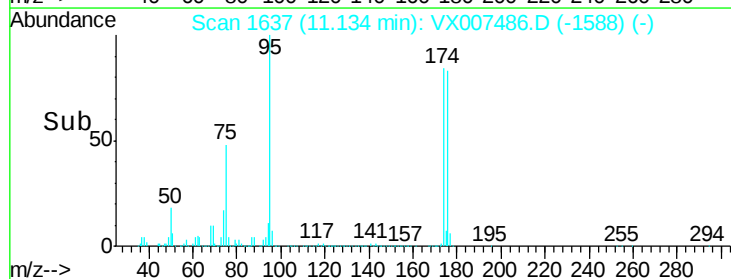
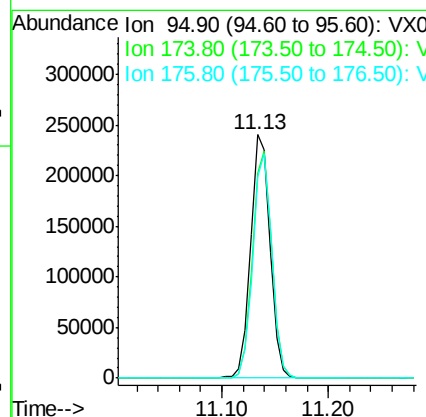
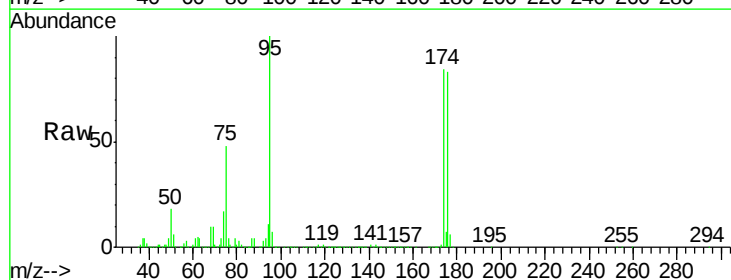
Tgt Ion: 95 Resp: 310229

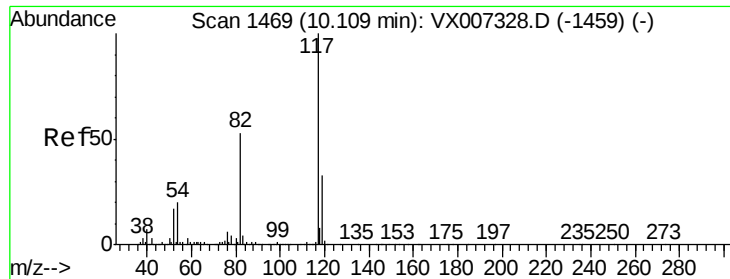
Ion Ratio Lower Upper

95 100

174 92.1 0.0 189.2

176 90.0 0.0 186.2





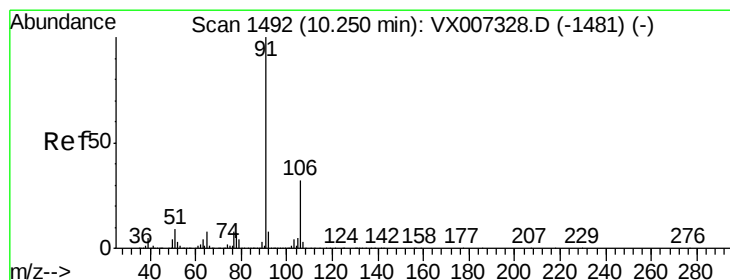
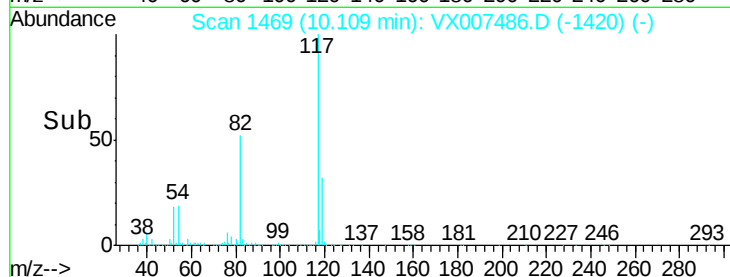
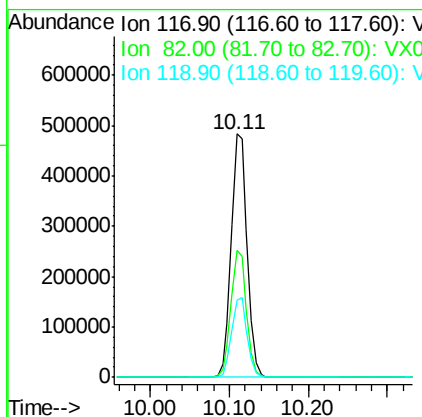
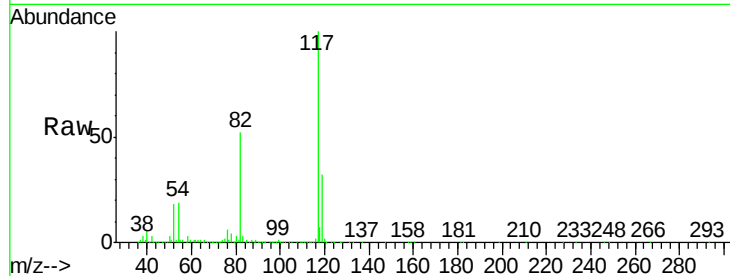
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	31.9	26.5	39.7

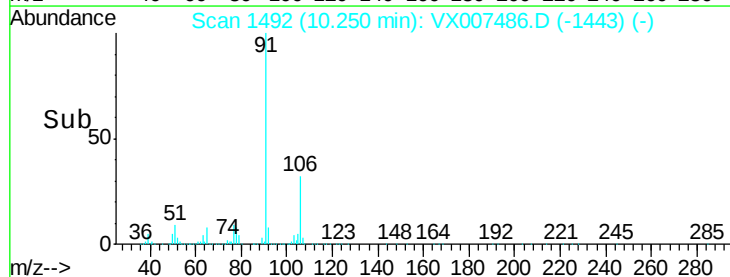
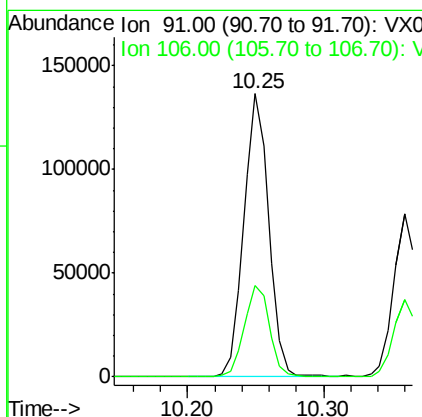
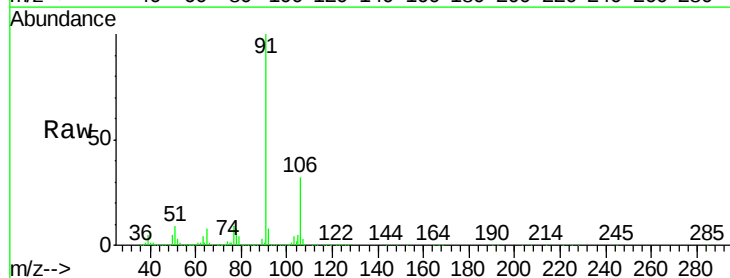
Manual Integrations
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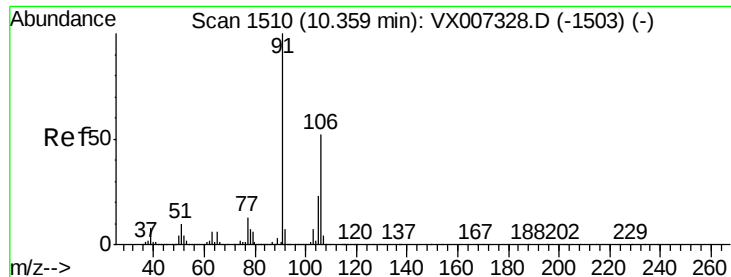
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2/13/2019 12:00:45 PM



#67
Ethyl Benzene
Concen: 7.321 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.4	38.0





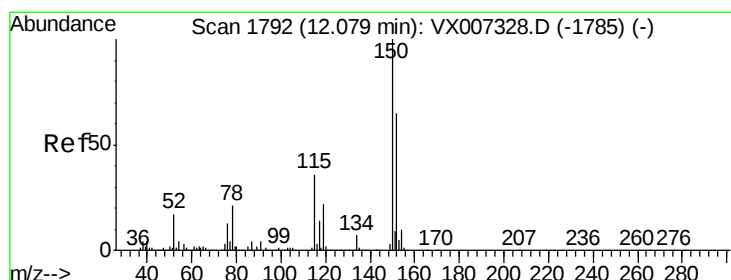
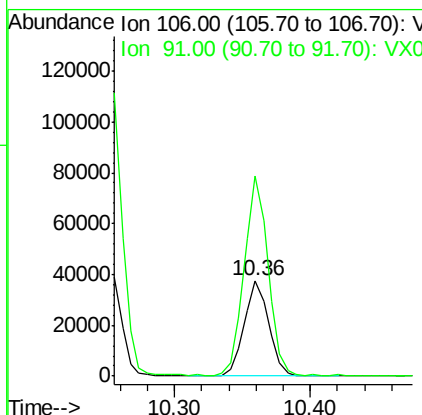
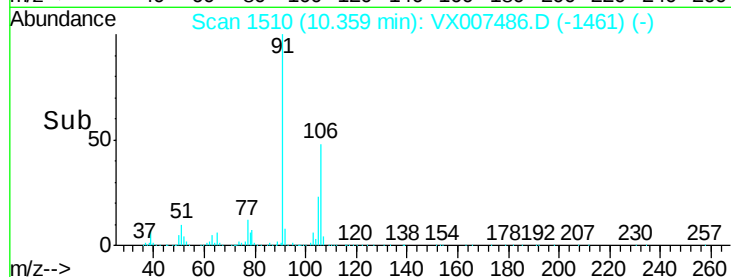
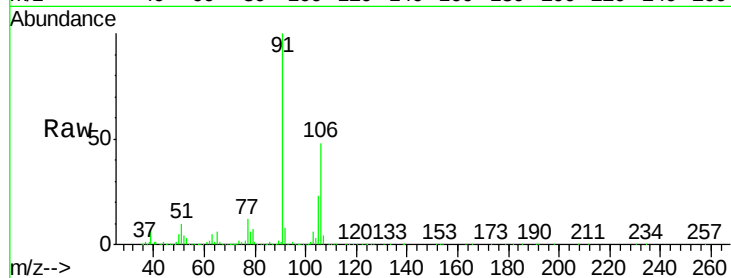
#68
m/p-Xvlenes
Concen: 5.024 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

Tot Ion:106 Resp: 47393
Ion Ratio Lower Upper
106 100
91 203.5 156.6 234.8

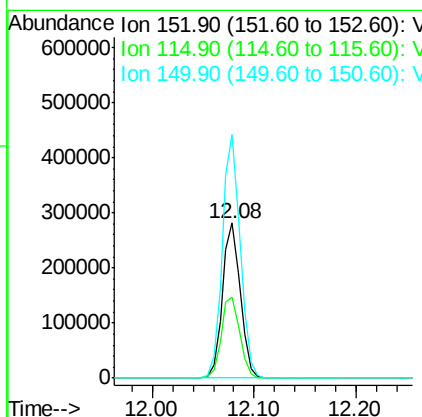
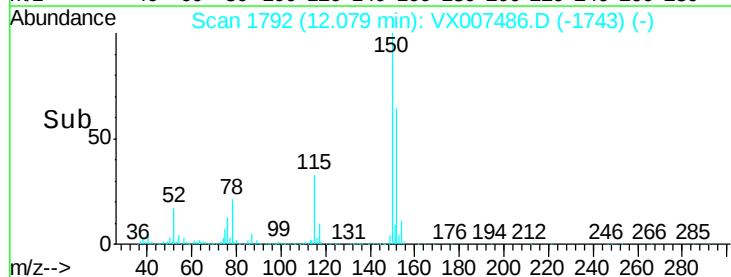
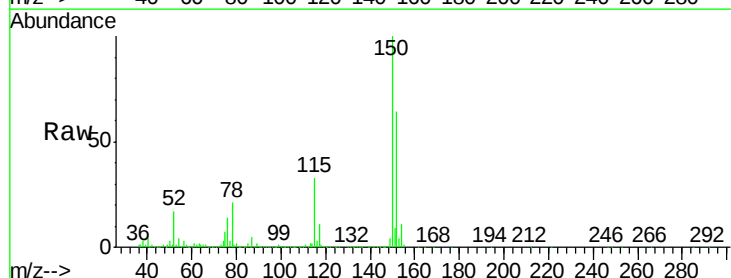
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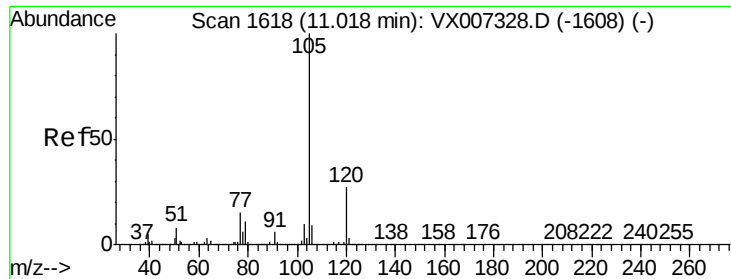
MMDadoda
2/13/2019 12:00:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Tgt Ion:152 Resp: 343572
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 156.7 0.0 346.4





#73

Isopropylbenzene

Concen: 13.233 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007486.D

Acq: 12 Feb 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-190207DL

Tot Ion: 105 Resp: 308963

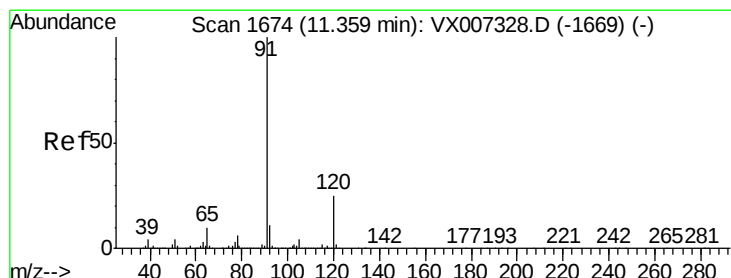
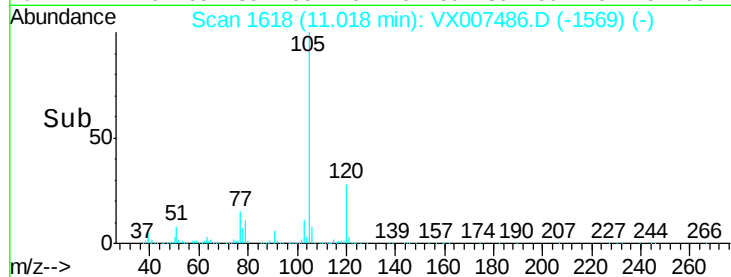
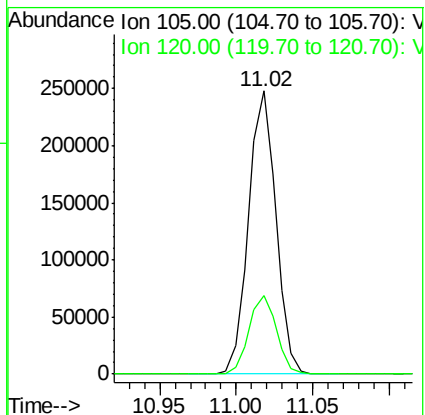
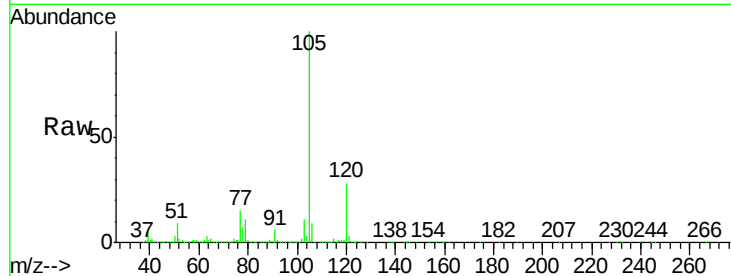
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

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2/13/2019 12:00:45 PM



#78

n-propylbenzene

Concen: 14.580 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007486.D

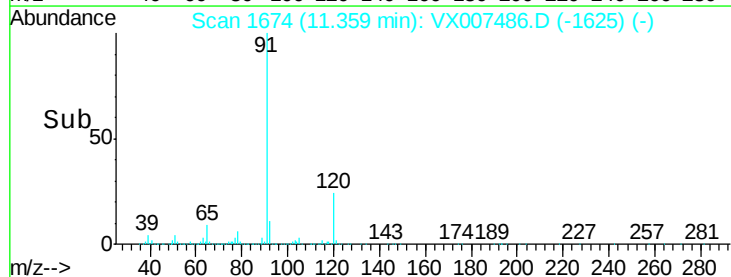
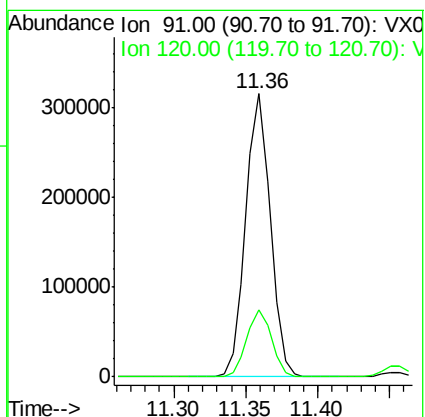
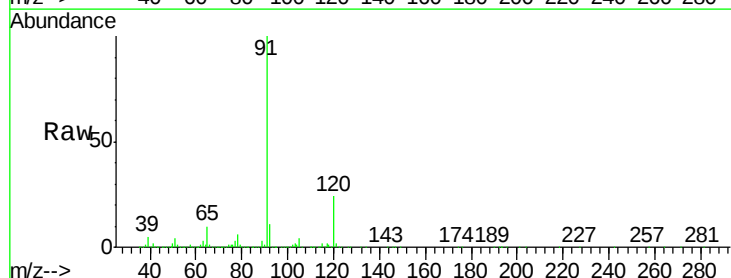
Acq: 12 Feb 2019 14:10

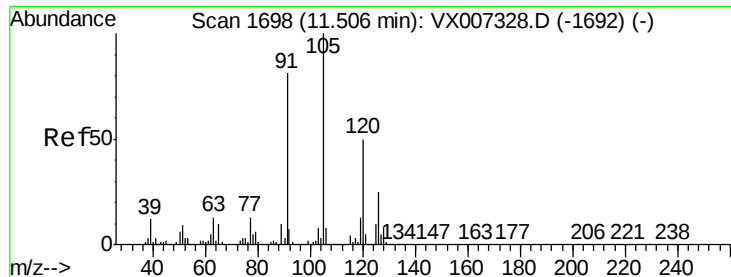
Tgt Ion: 91 Resp: 373288

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.2





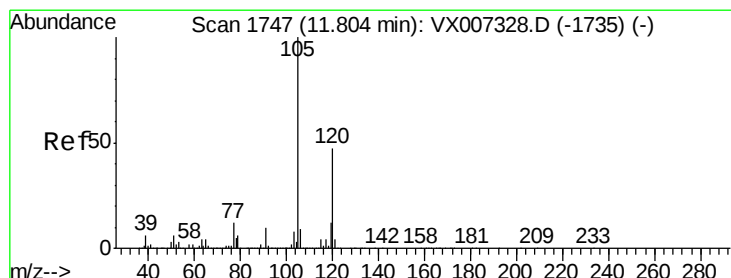
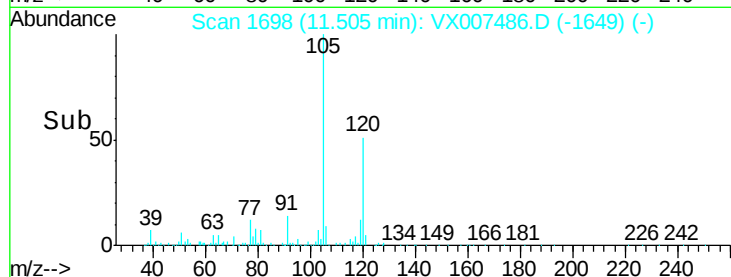
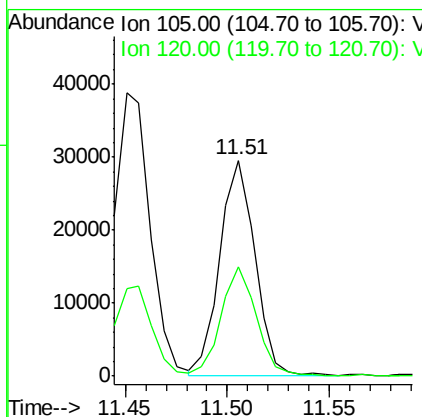
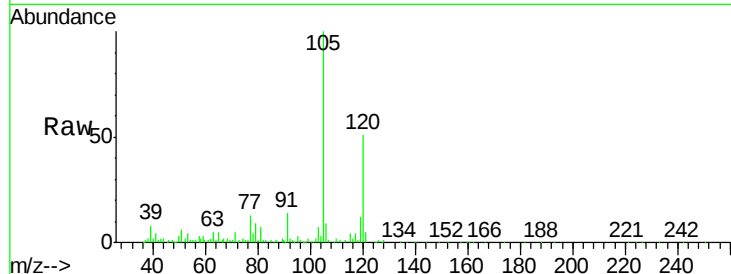
#80
 1,3,5-Trimethylbenzene
 Concen: 1.834 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007486.D
 Acq: 12 Feb 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-190207DL

Tot Ion:105 Resp: 35025
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.3 75.8

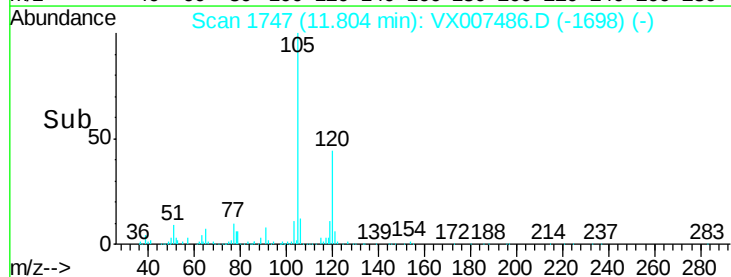
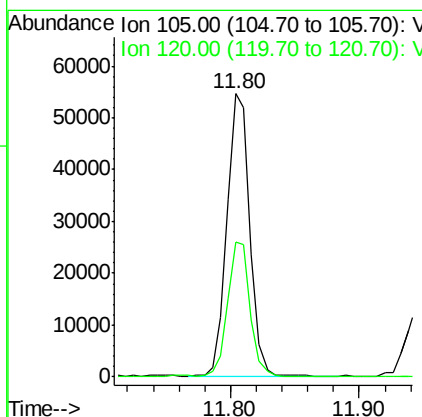
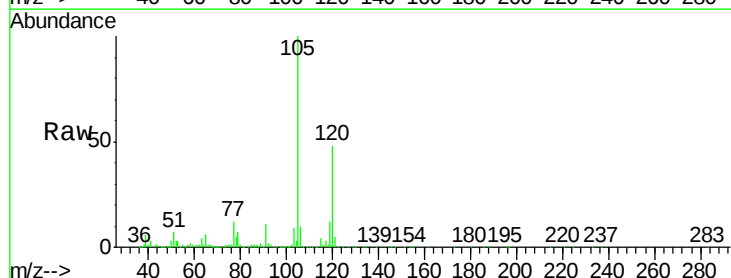
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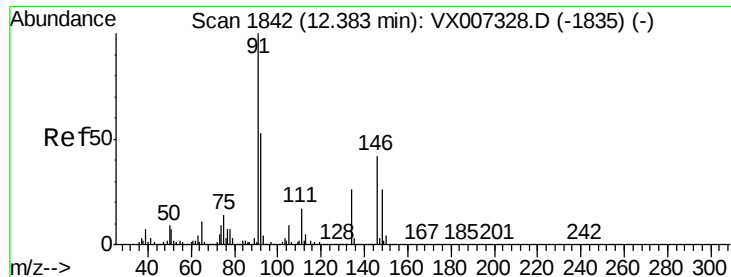
MMDadoda
 2/13/2019 12:00:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 3.548 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007486.D
 Acq: 12 Feb 2019 14:10

Tgt Ion:105 Resp: 68795
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.3





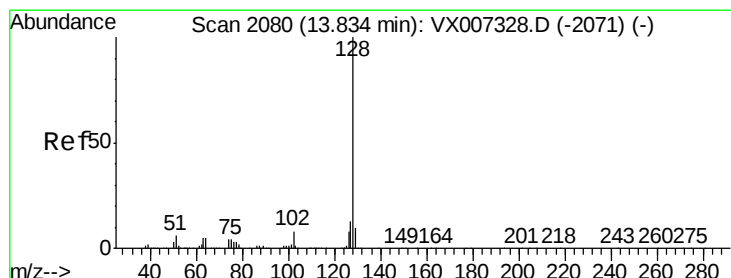
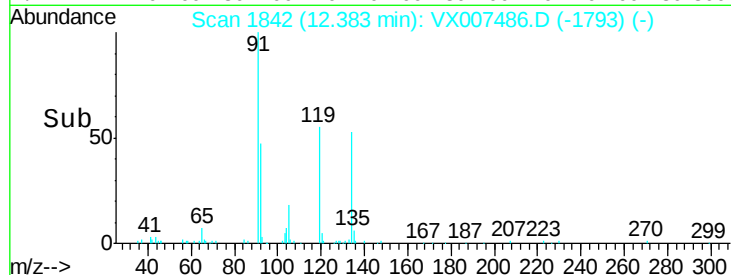
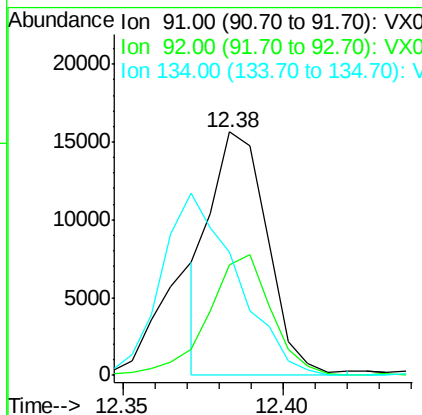
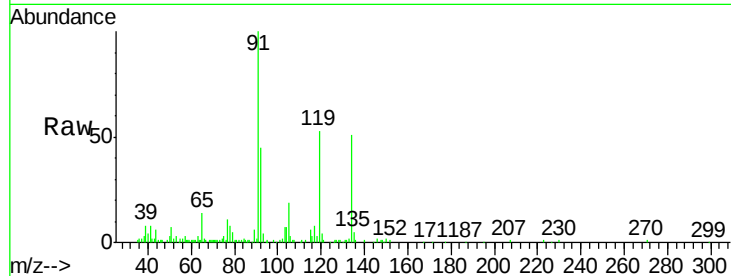
#89
n-Butylbenzene
Concen: 1.085 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.3	78.9
134	99.5	13.9	41.6#

Manual Integrations
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MMDadoda
2/13/2019 12:00:45 PM



#95
Naphthalene
Concen: 42.653 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007486.D
Acq: 12 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1

