

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
 Data File : VX006838.D
 Acq On : 27 Dec 2018 13:22
 Operator : JC/MD
 Sample : J6571-05 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50084-50085-50086

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:28:05 AM

Quant Time: Dec 28 11:01:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	701238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1024046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	953379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	490847	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	347005	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
35) Dibromofluoromethane	5.51	113	307131	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
50) Toluene-d8	8.71	98	1218380	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	446926	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	30220	8.703	ug/l	92
20) Methylene Chloride	2.86	84	48983	6.822	ug/l	98
25) 2-Butanone	4.70	43	7038	1.441	ug/l	93
31) Cyclohexane	5.58	56	31738	3.033	ug/l	98
39) Methylcyclohexane	7.46	83	35975	3.222	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	3329	0.390	ug/l	92
52) Toluene	8.78	92	37417	2.247	ug/l	100
67) Ethyl Benzene	10.25	91	570458	17.308	ug/l	99
68) m/p-Xylenes	10.36	106	635687	48.879	ug/l	100
69) o-Xylene	10.69	106	75620	5.888	ug/l	97
73) Isopropylbenzene	11.02	105	46030	1.371	ug/l	99
78) n-propylbenzene	11.36	91	206376	5.581	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	326636	11.810	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1283446	44.117	ug/l	99
85) sec-Butylbenzene	11.94	105	10858m	0.320	ug/l	
86) p-Isopropyltoluene	12.06	119	7242	0.243	ug/l #	74
95) Naphthalene	13.83	128	1303394	36.171	ug/l	99

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

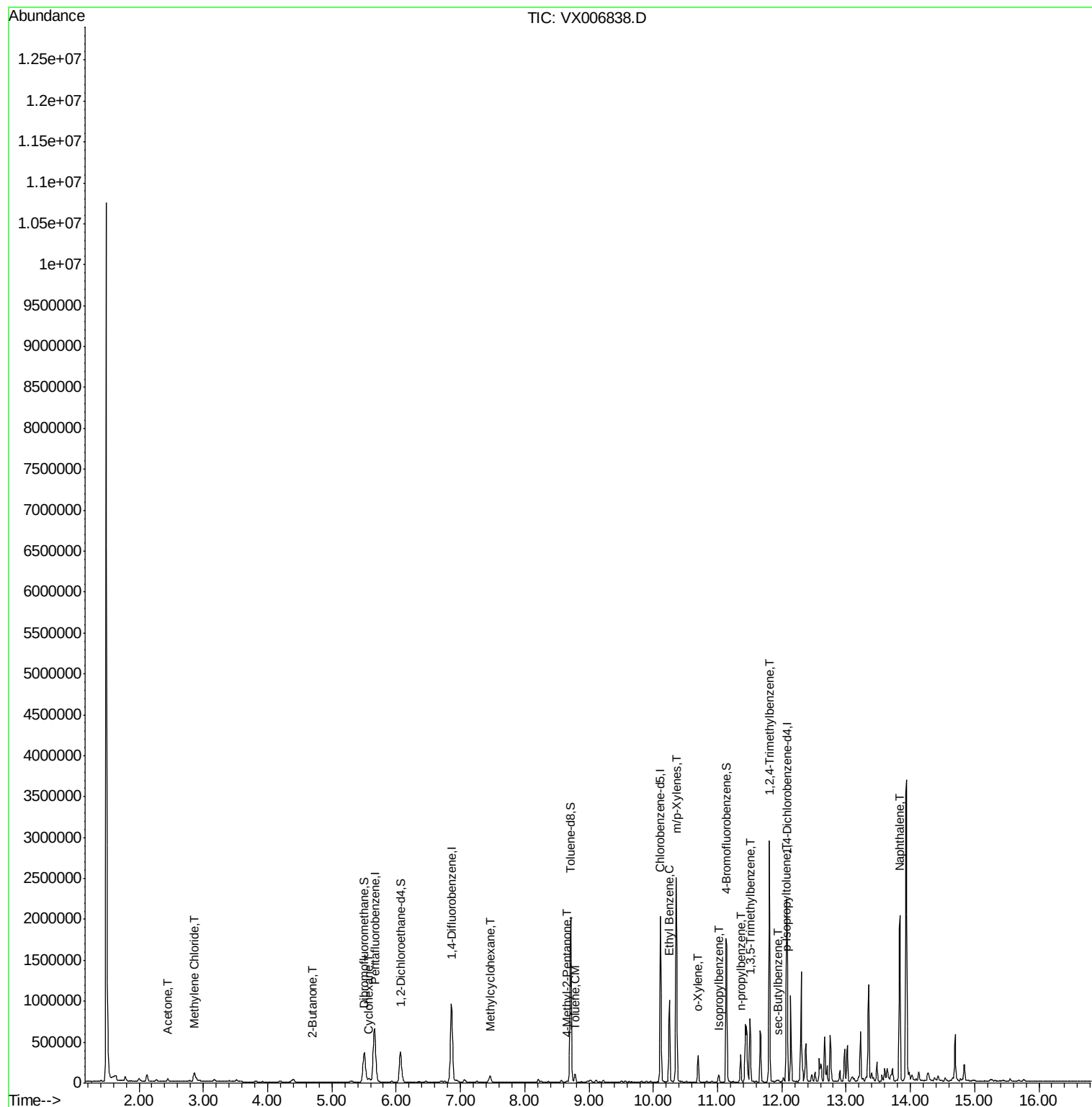
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

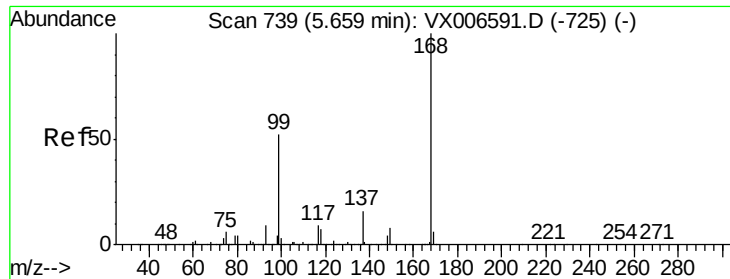
Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

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Quant Time: Dec 28 11:01:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
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: VX006838.D

Acq: 27 Dec 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

50084-50085-50086

Tot Ion:168 Resp: 701238

Ion Ratio Lower Upper

168 100

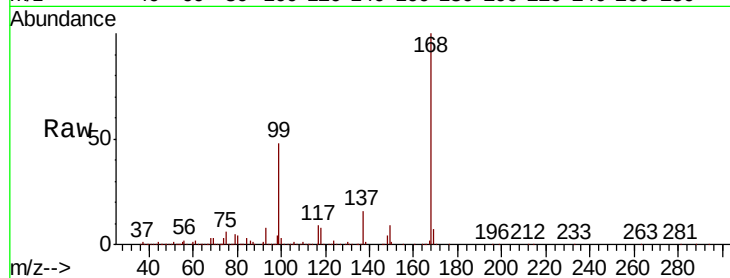
99 48.1 41.8 62.8

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

250000

200000

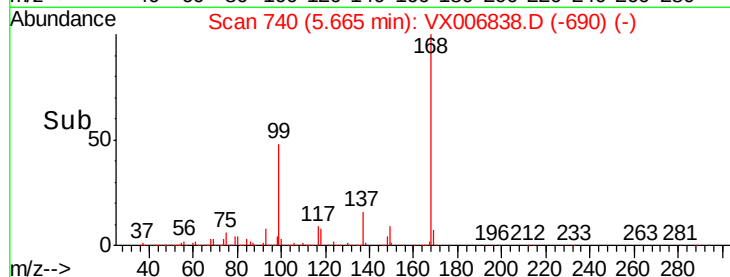
150000

100000

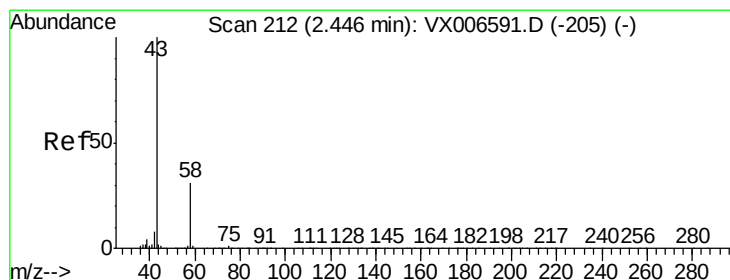
50000

0

Time-->



Time-->



#16

Acetone

Concen: 8.703 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006838.D

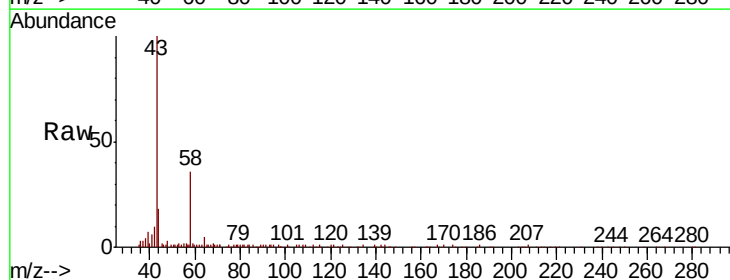
Acq: 27 Dec 2018 13:22

Tgt Ion: 43 Resp: 30220

Ion Ratio Lower Upper

43 100

58 35.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

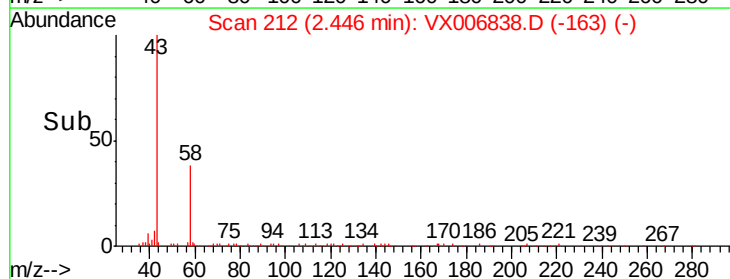
15000

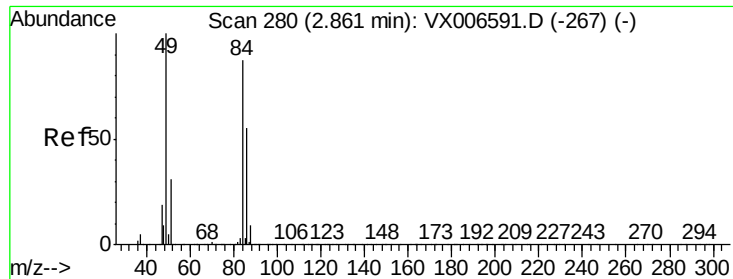
10000

5000

0

Time-->





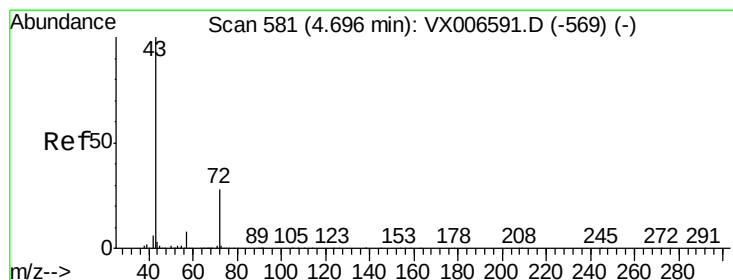
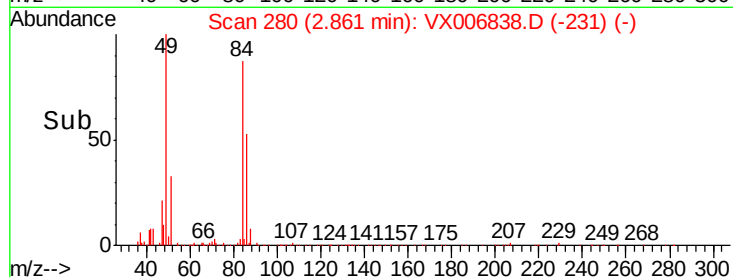
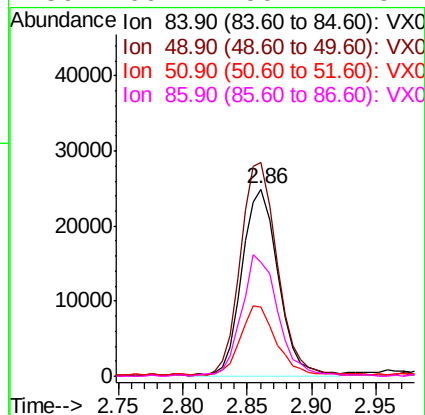
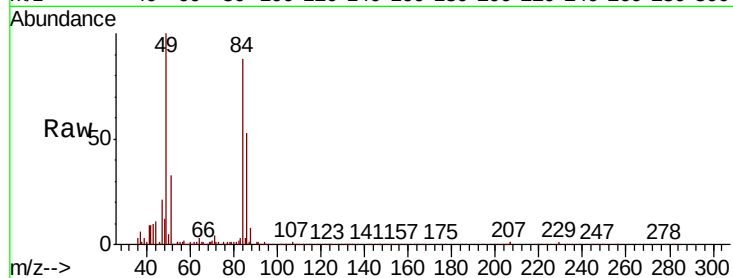
#20
Methylene Chloride
Concen: 6.822 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion:	84	Resp:	48983
Ion Ratio	Lower	Upper	
84	100		
49	113.4	91.8	137.6
51	36.3	28.5	42.7
86	60.7	50.2	75.2

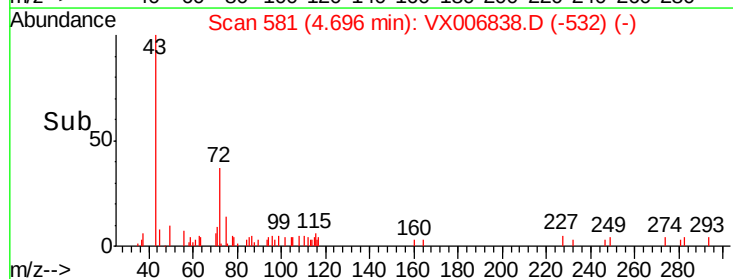
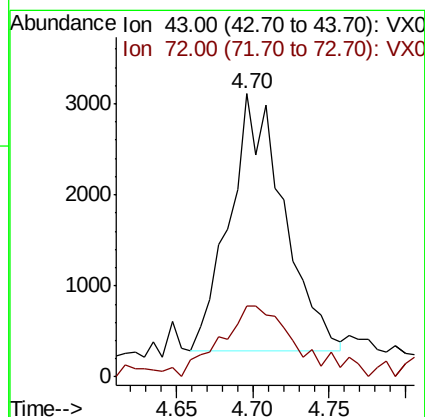
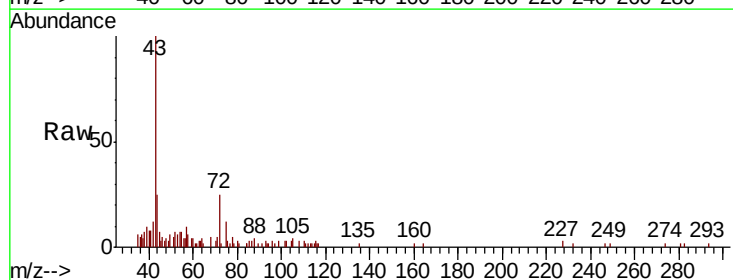
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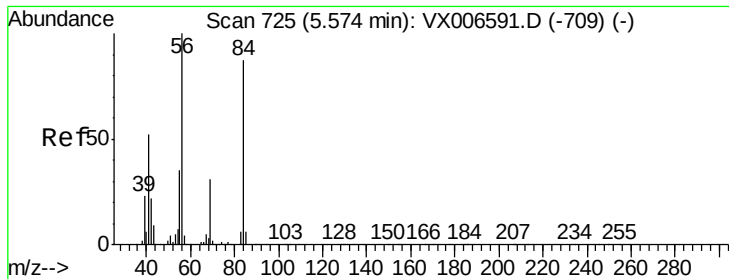
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#25
2-Butanone
Concen: 1.441 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion:	43	Resp:	7038
Ion Ratio	Lower	Upper	
43	100		
72	24.2	22.4	33.6





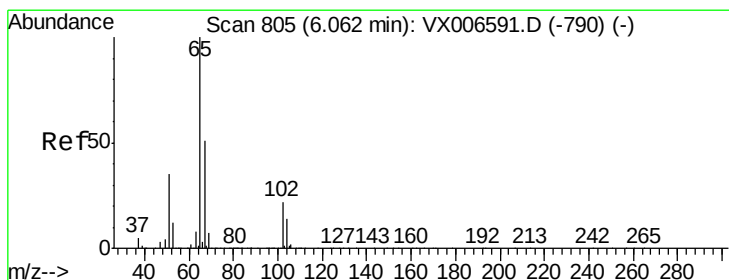
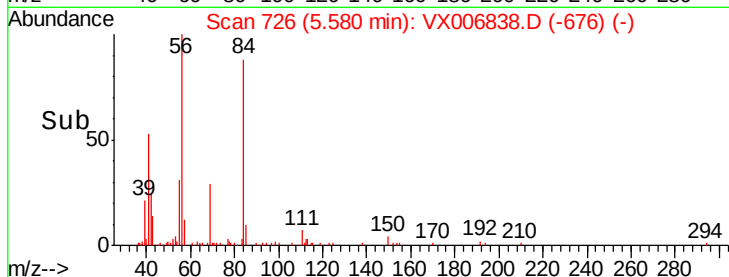
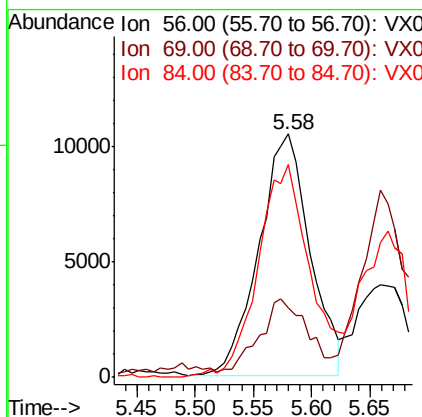
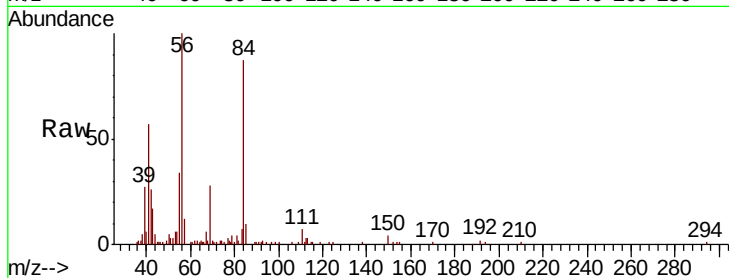
#31
Cyclohexane
Concen: 3.033 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.6	24.4	36.6
84	87.4	70.0	105.0

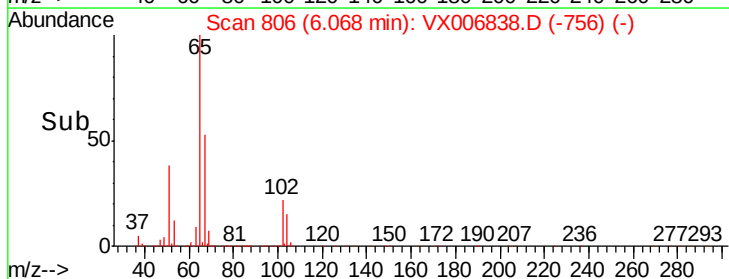
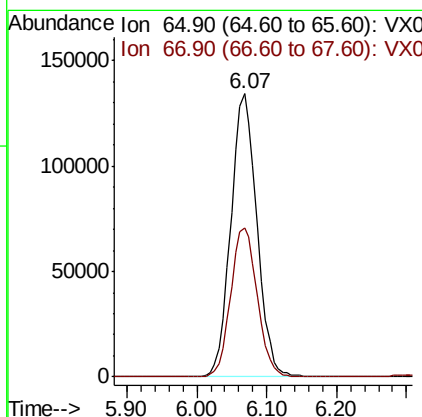
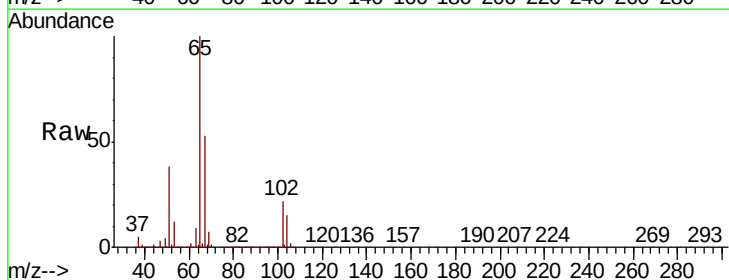
Manual Integrations
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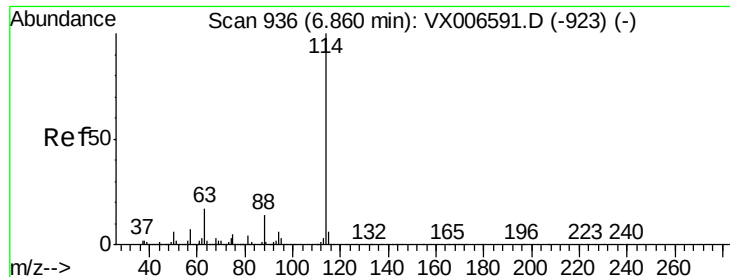
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12/28/2018 10:28:05 AM



#33
1,2-Dichloroethane-d4
Concen: 45.914 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006838.D

Acq: 27 Dec 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

50084-50085-50086

Tot Ion:114 Resp: 1024046

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

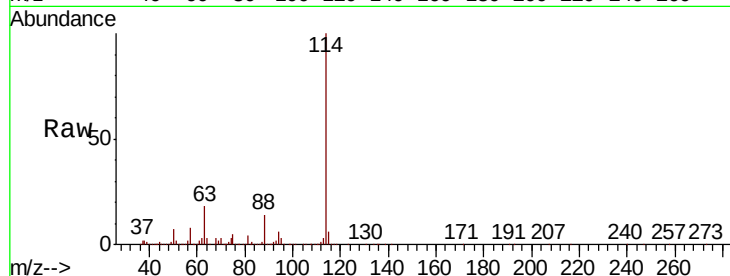
88 14.2 0.0 28.8

Manual Integrations

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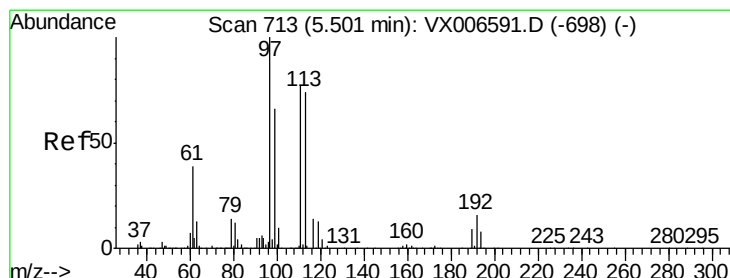
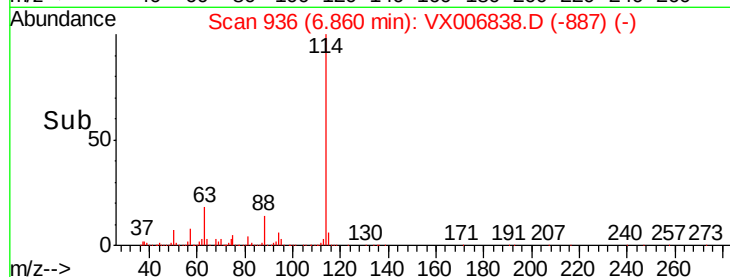
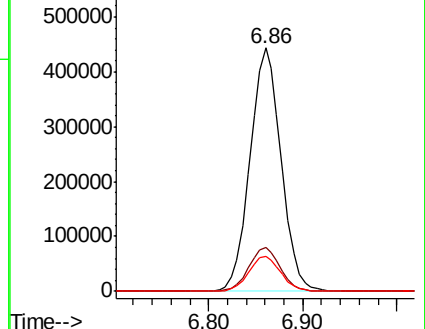
12/28/2018 10:28:05 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.427 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006838.D

Acq: 27 Dec 2018 13:22

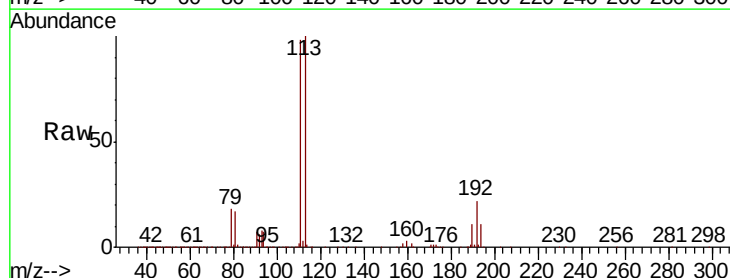
Tgt Ion:113 Resp: 307131

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

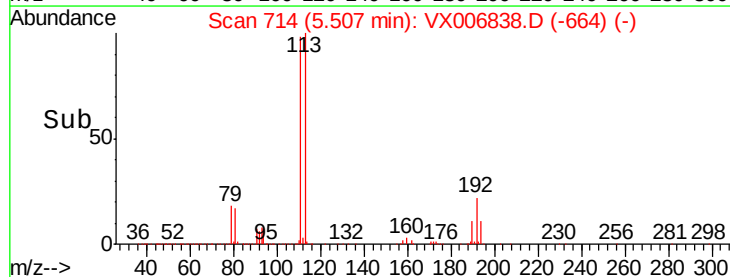
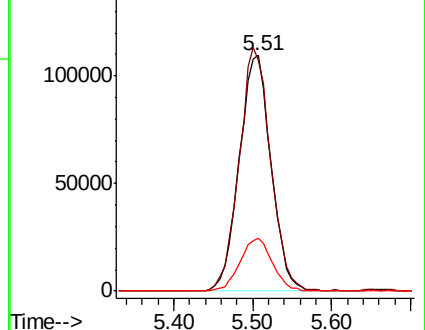
192 22.9 16.7 25.1

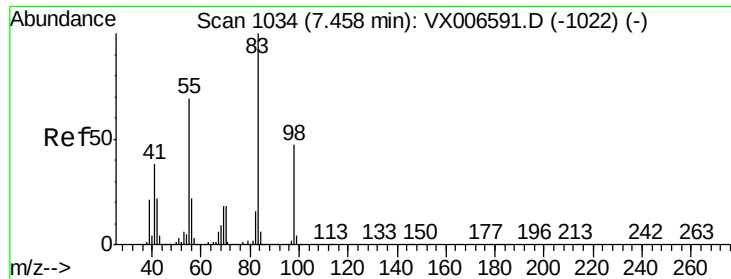


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





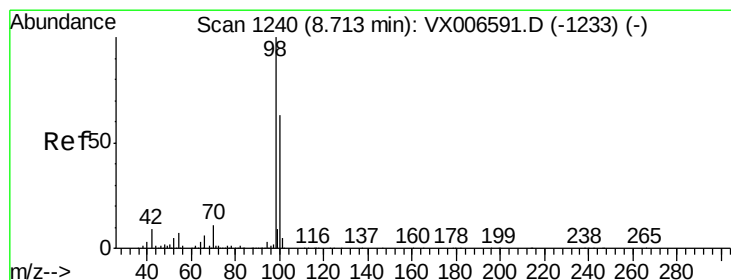
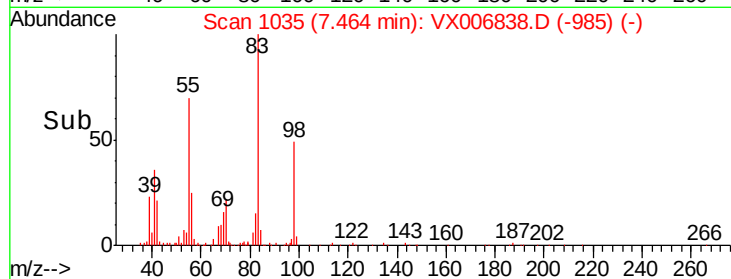
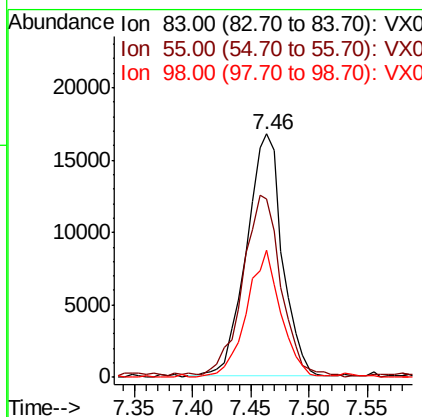
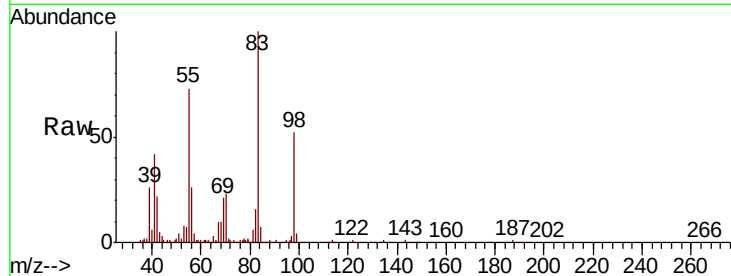
#39
Methylvlcyclohexane
Concen: 3.222 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	54.9	82.3
98	52.0	37.9	56.9

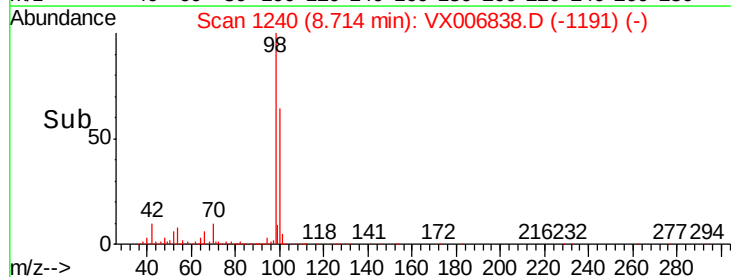
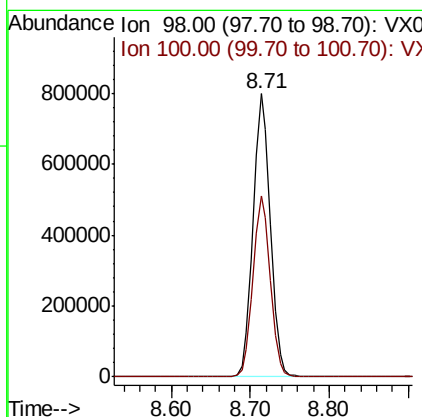
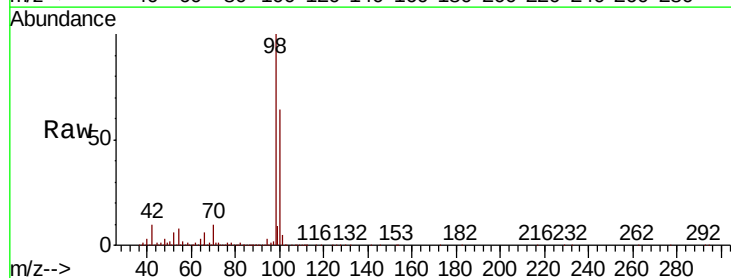
Manual Integrations
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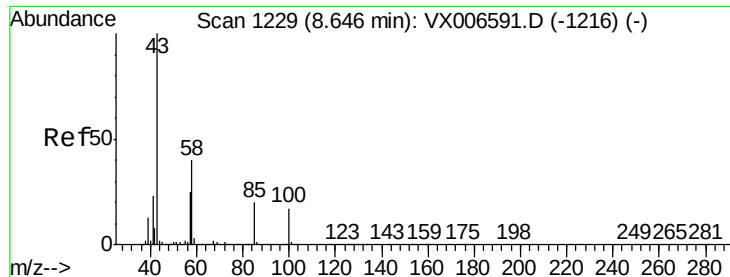
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12/28/2018 10:28:05 AM



#50
Toluene-d8
Concen: 49.904 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006838.D

Acq: 27 Dec 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

50084-50085-50086

Tot Ion: 43 Resp: 3329

Ion Ratio Lower Upper

43 100

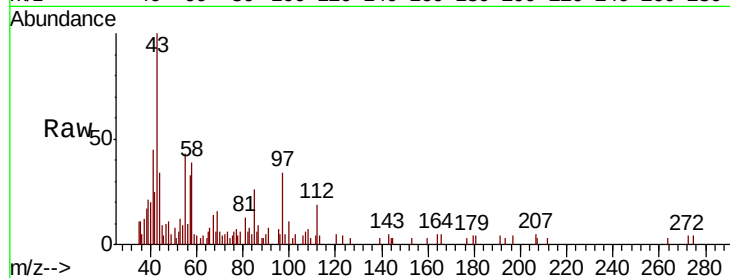
58 44.8 31.8 47.6

Manual Integrations

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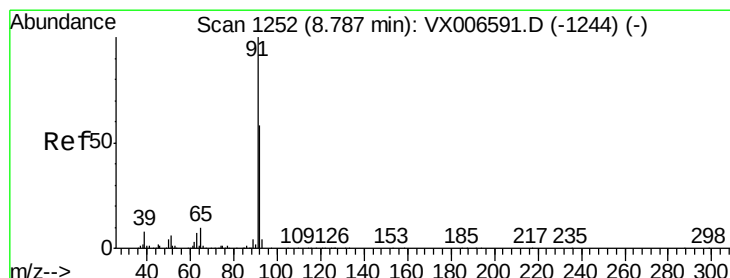
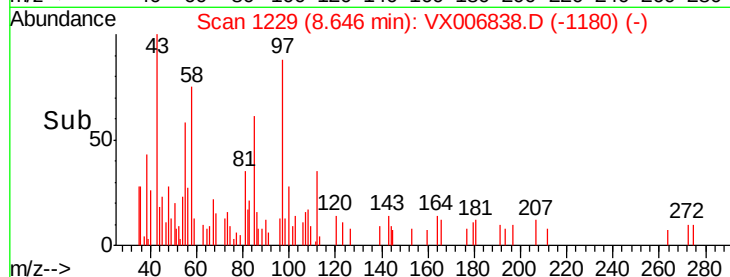
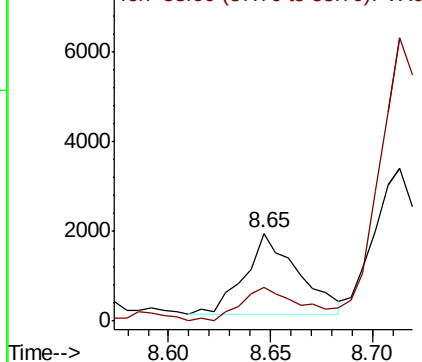
MMDadoda

12/28/2018 10:28:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.247 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006838.D

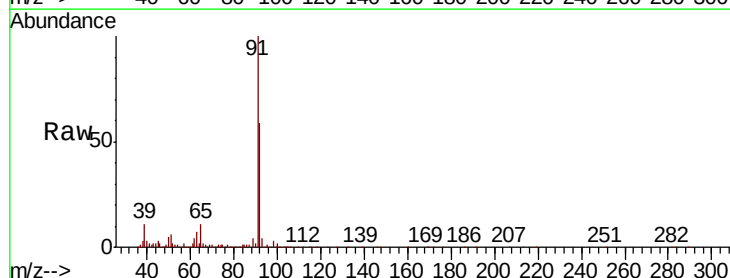
Acq: 27 Dec 2018 13:22

Tgt Ion: 92 Resp: 37417

Ion Ratio Lower Upper

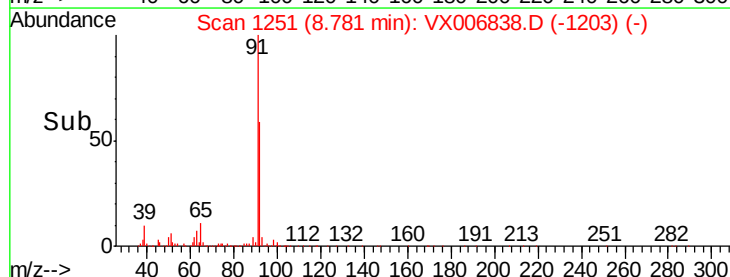
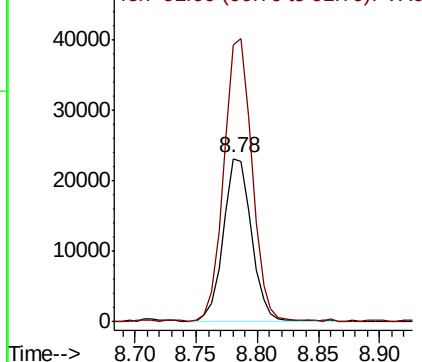
92 100

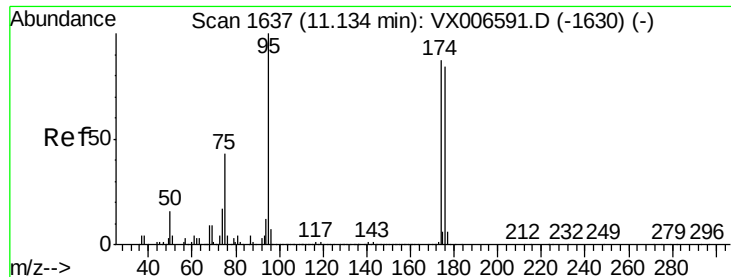
91 171.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





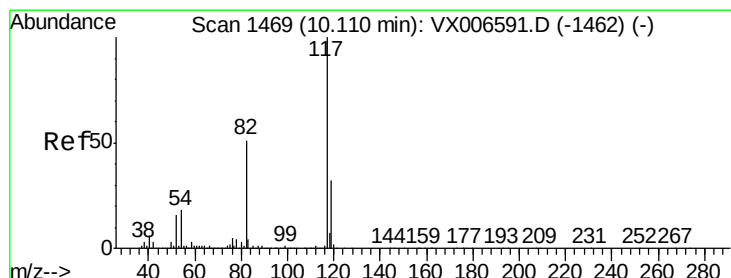
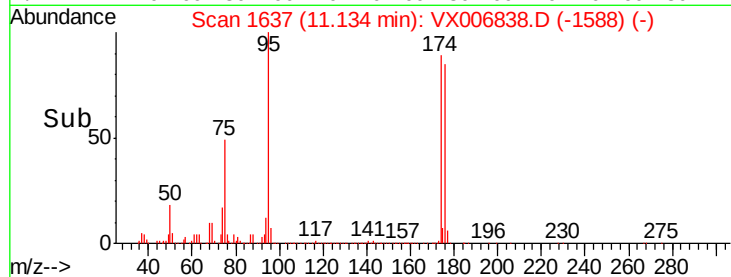
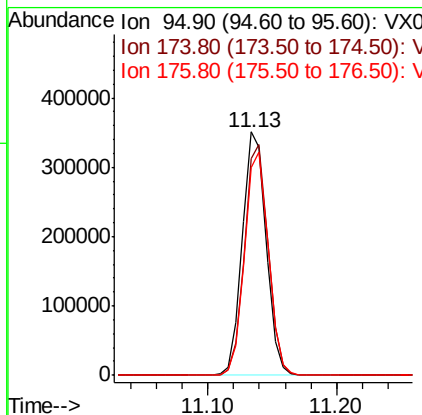
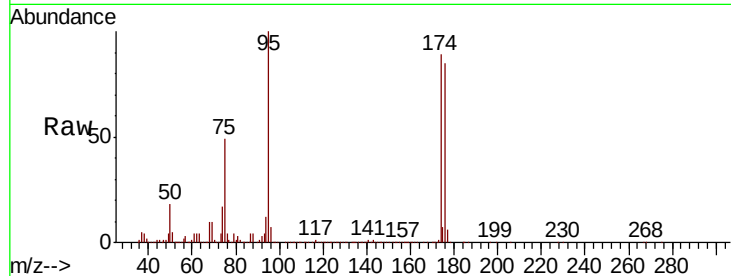
#62
4-Bromofluorobenzene
Concen: 49.983 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion	Ratio	Resp	Lower	Upper
95	100	446926		
174	94.0	0.0	182.2	
176	91.3	0.0	178.8	

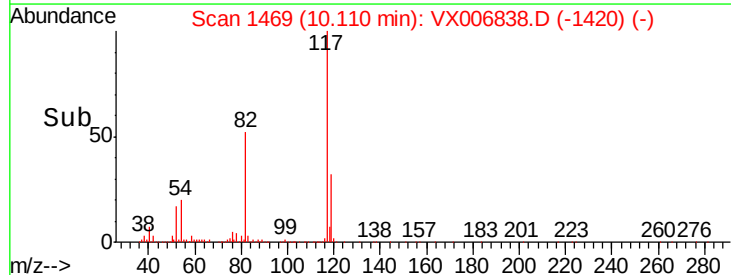
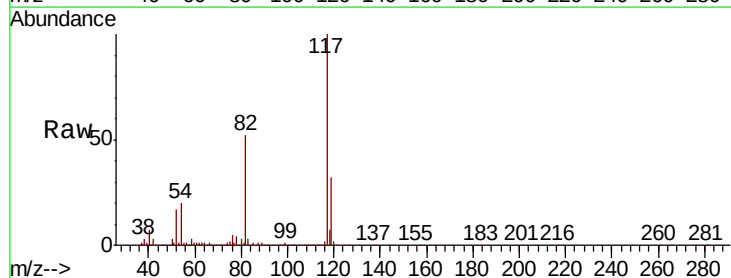
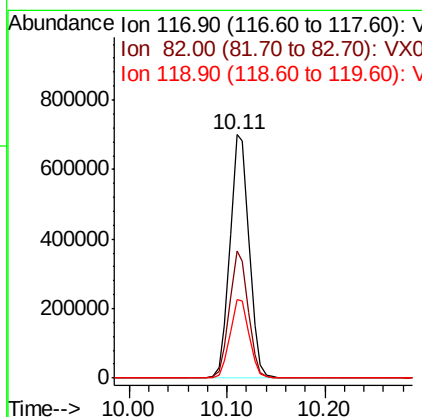
Manual Integrations
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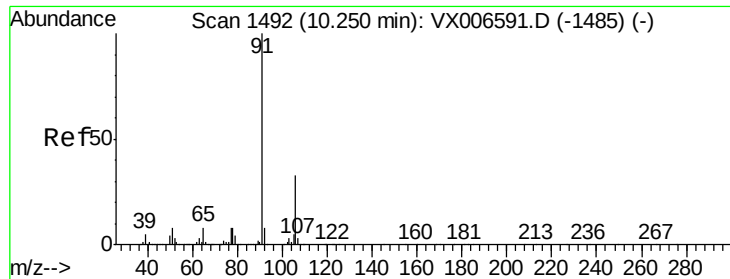
MMDadoda
12/28/2018 10:28:05 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	953379		
82	52.5	41.0	61.6	
119	32.5	25.4	38.0	





#67

Ethyl Benzene

Concen: 17.308 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006838.D

Acq: 27 Dec 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

50084-50085-50086

Tot Ion: 91 Resp: 570458

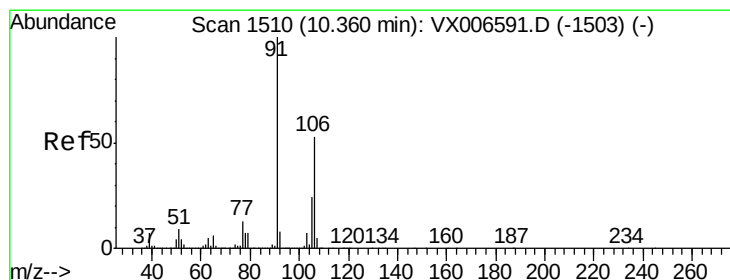
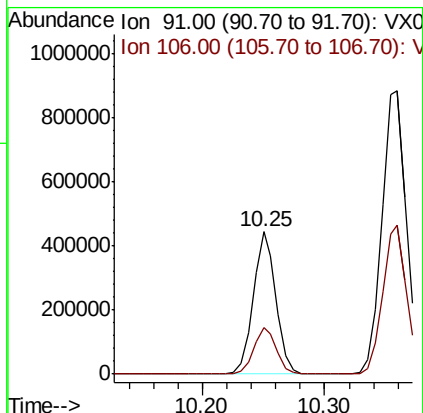
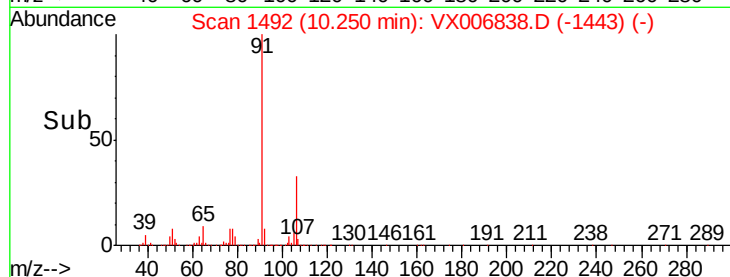
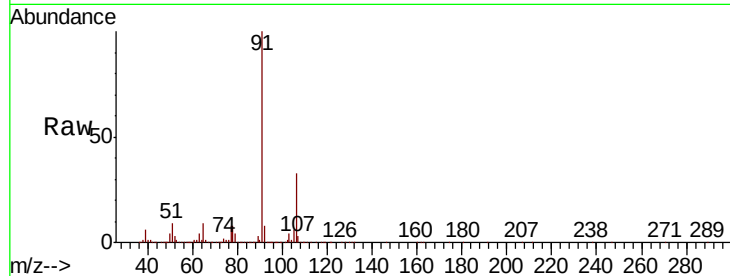
Ion Ratio Lower Upper

91 100

106 32.7 26.4 39.6

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#68

m/p-Xylenes

Concen: 48.879 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006838.D

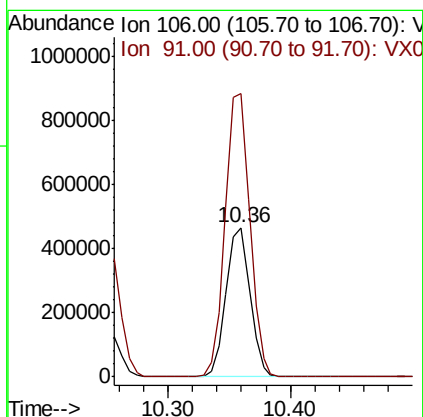
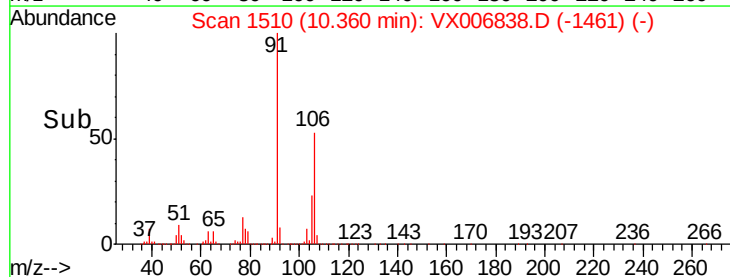
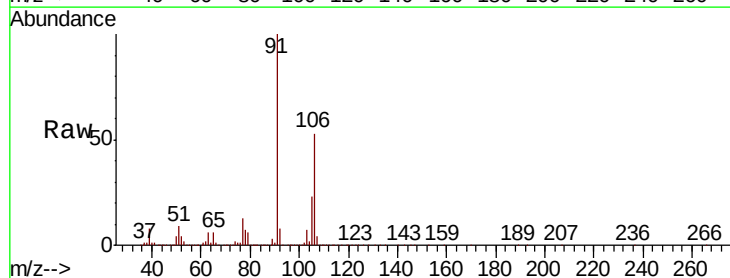
Acq: 27 Dec 2018 13:22

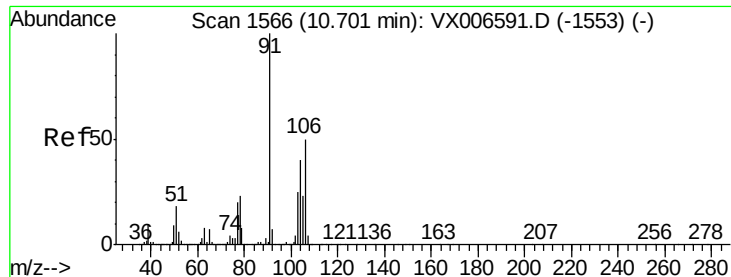
Tgt Ion: 106 Resp: 635687

Ion Ratio Lower Upper

106 100

91 195.1 155.8 233.6





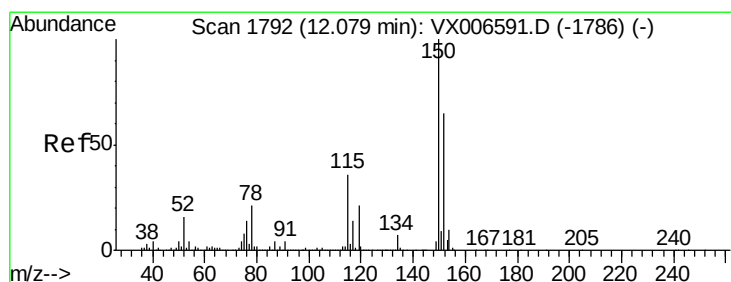
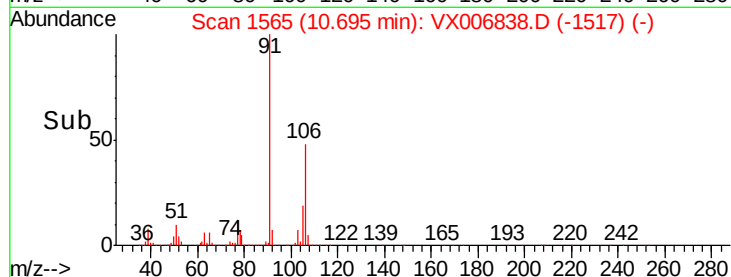
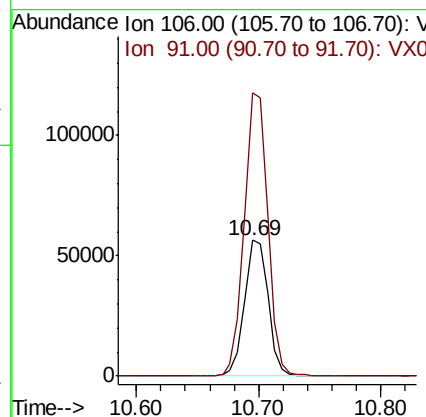
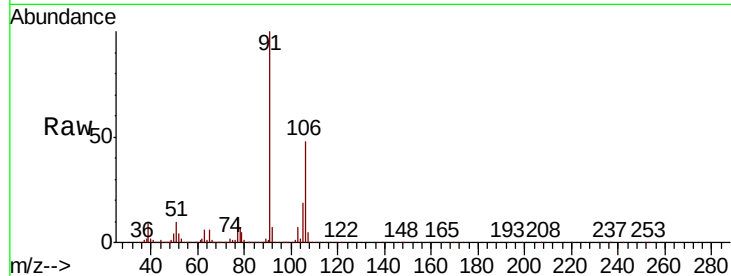
#69
o-Xylene
Concen: 5.888 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion:106 Resp: 75620
Ion Ratio Lower Upper
106 100
91 206.6 101.3 303.7

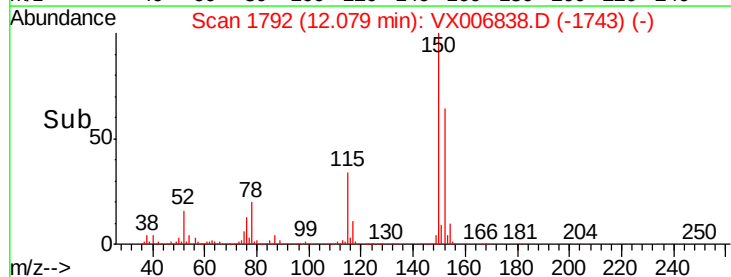
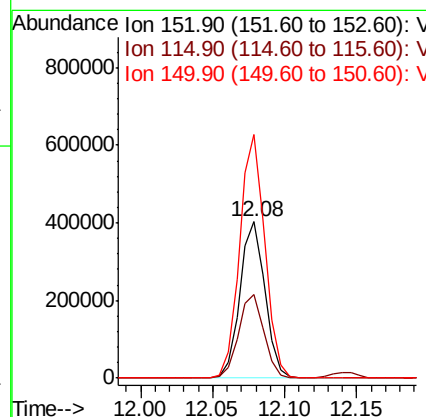
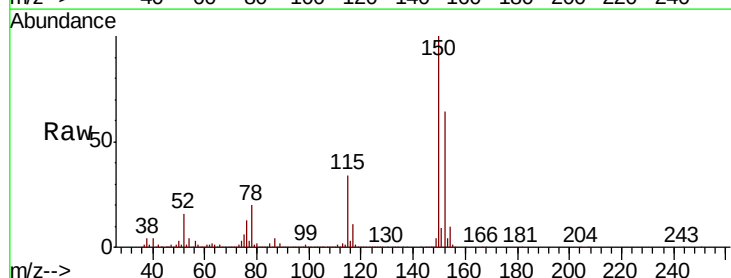
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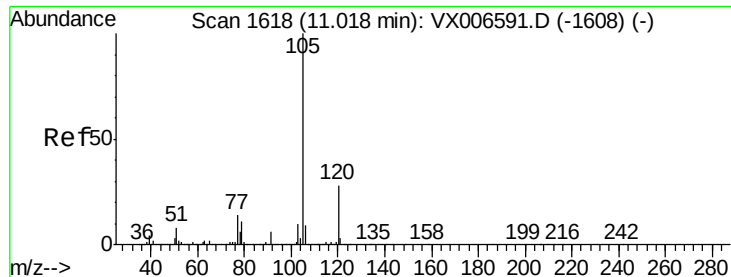
MMDadoda
12/28/2018 10:28:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion:152 Resp: 490847
Ion Ratio Lower Upper
152 100
115 53.8 39.1 117.2
150 155.7 0.0 344.8





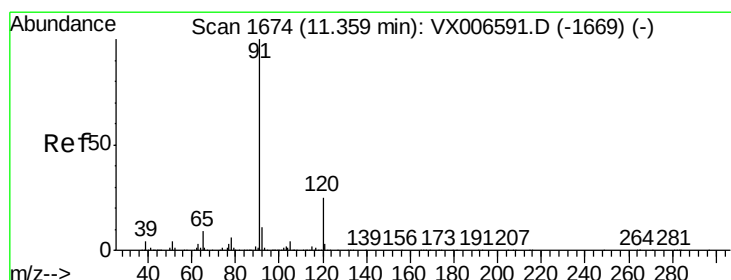
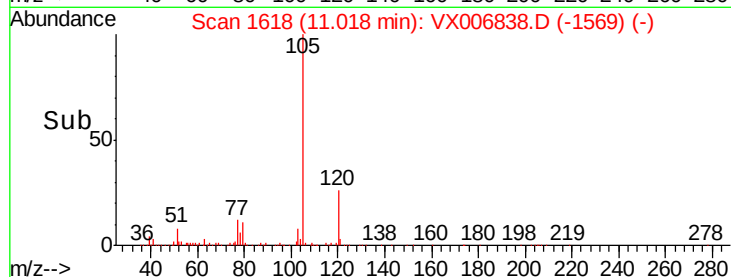
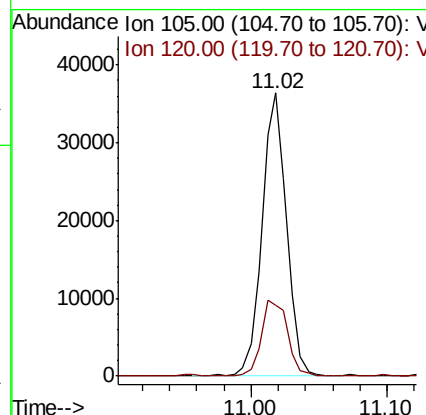
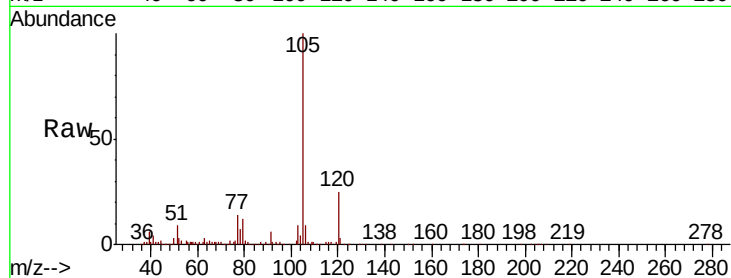
#73
Isopropylbenzene
Concen: 1.371 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	28.6	14.1	42.4

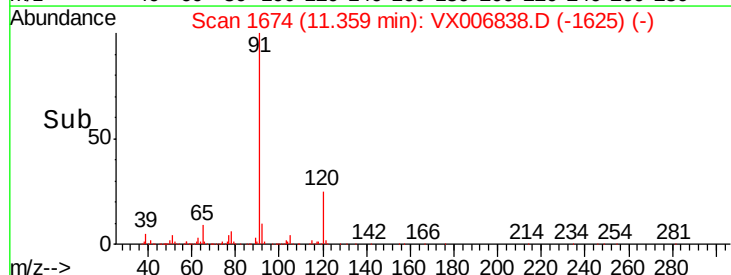
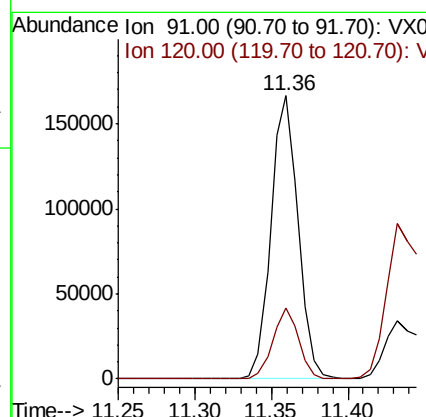
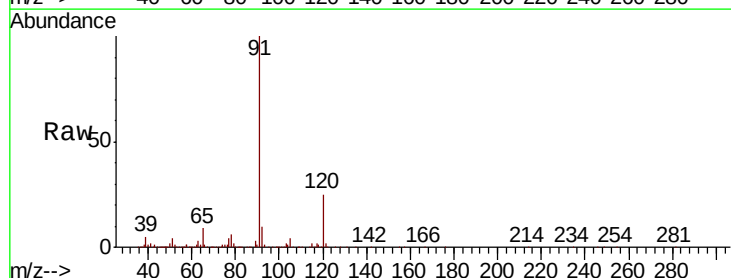
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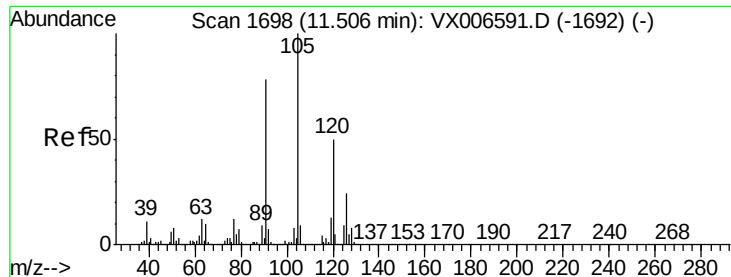
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#78
n-propylbenzene
Concen: 5.581 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	91	100		
120	120	23.8	12.7	38.0





#80

1,3,5-Trimethylbenzene

Concen: 11.810 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006838.D

Acq: 27 Dec 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

50084-50085-50086

Tot Ion:105 Resp: 326636

Ion Ratio Lower Upper

105 100

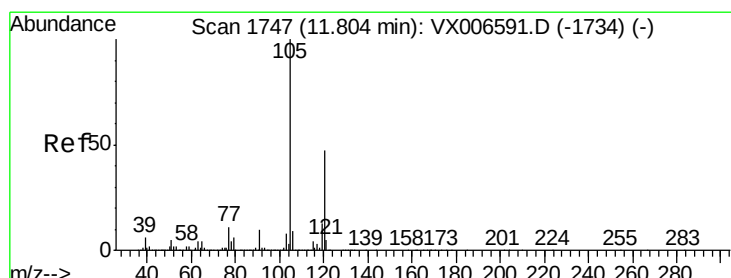
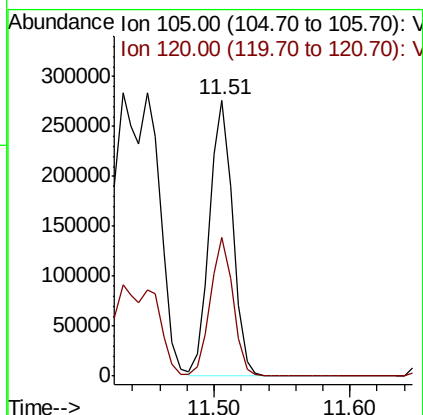
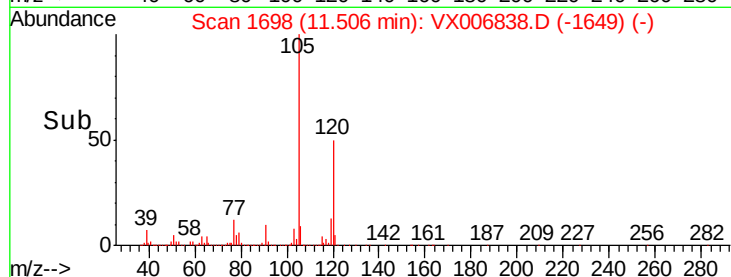
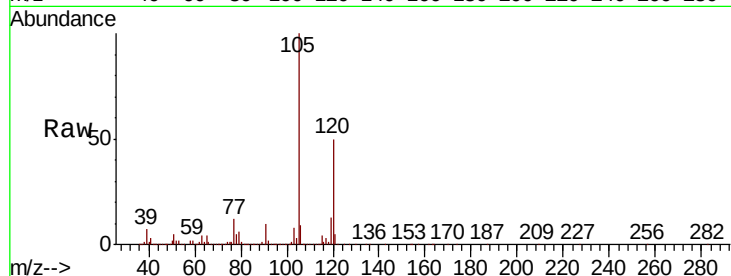
120 49.0 25.1 75.3

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#84

1,2,4-Trimethylbenzene

Concen: 44.117 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006838.D

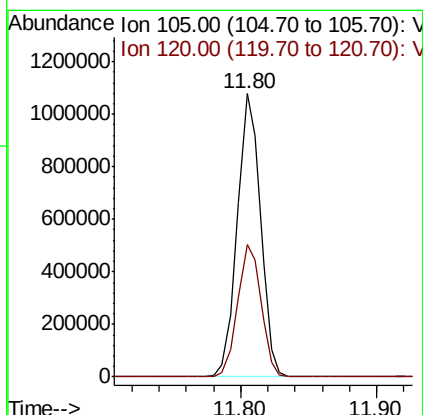
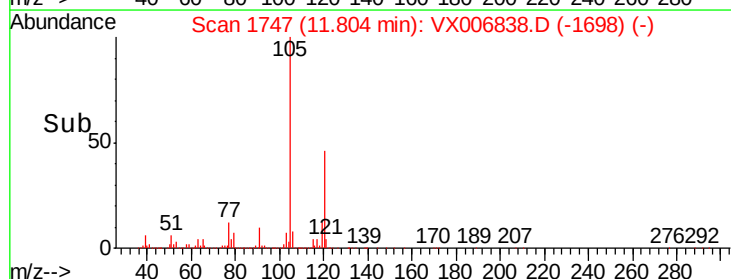
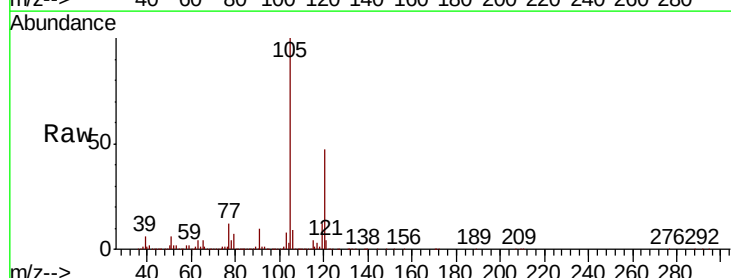
Acq: 27 Dec 2018 13:22

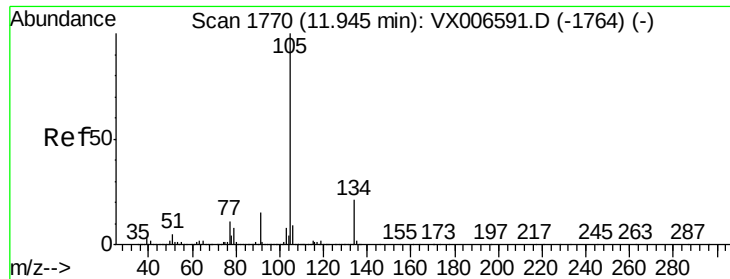
Tgt Ion:105 Resp: 1283446

Ion Ratio Lower Upper

105 100

120 47.3 23.2 69.6





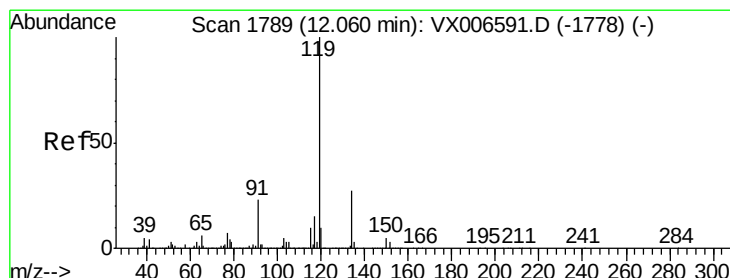
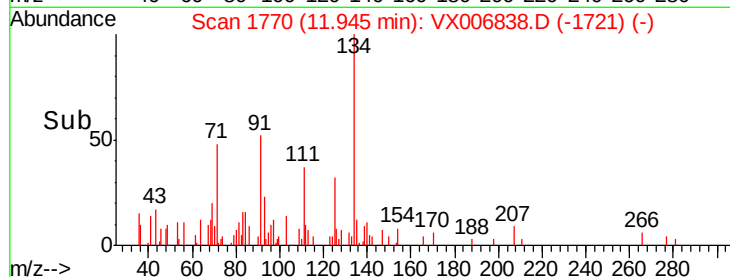
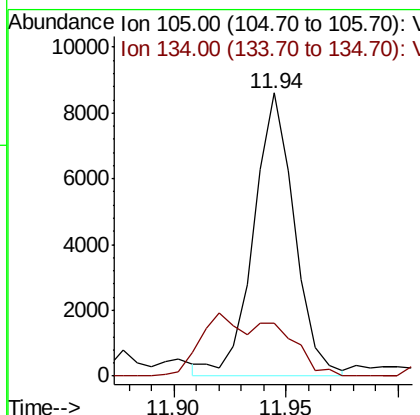
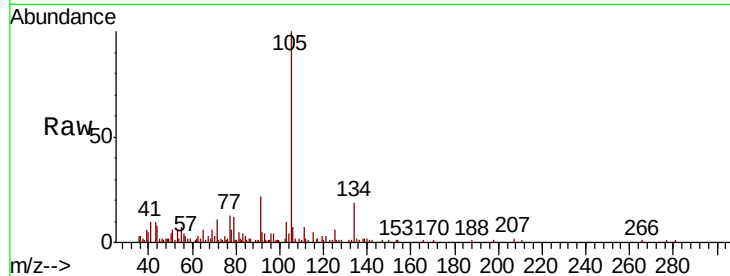
#85
 sec-Butylbenzene
 Concen: 0.320 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006838.D
 Acq: 27 Dec 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 50084-50085-50086

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.7	31.9#

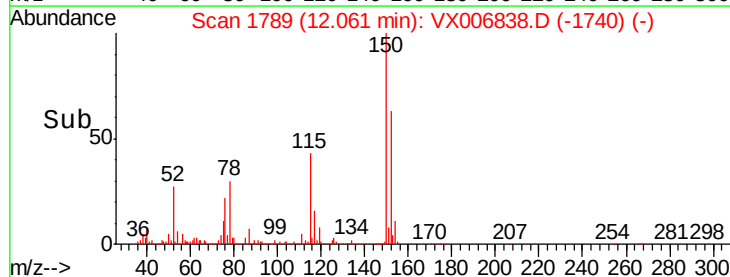
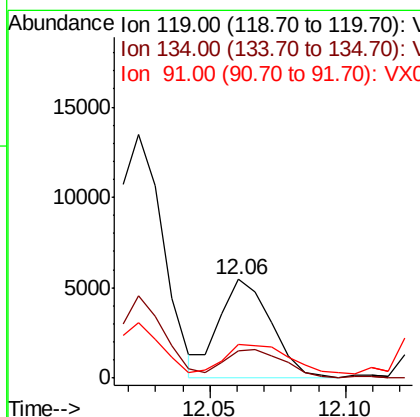
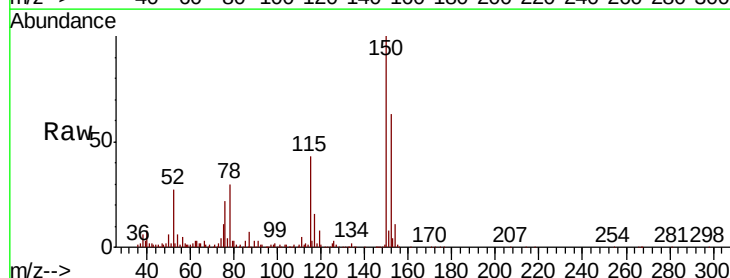
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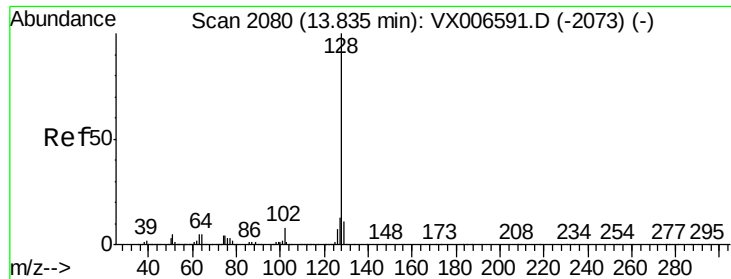
MMDadoda
 12/28/2018 10:28:05 AM



#86
 p-Isopropyltoluene
 Concen: 0.243 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX006838.D
 Acq: 27 Dec 2018 13:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	32.7	14.0	41.9
91	0.0	11.3	33.9#





#95
Naphthalene
Concen: 36.171 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006838.D
Acq: 27 Dec 2018 13:22

Instrument :
MSVOA_X
ClientSampleId :
50084-50085-50086

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.6	13.0

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12/28/2018 10:28:05 AM

