

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006708.D
 Acq On : 21 Dec 2018 06:28
 Operator : JC/MD
 Sample : J6517-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-121918-01

Manual Integrations
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MMDadoda
 12/21/2018 10:19:47 AM

Quant Time: Dec 21 08:19:54 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	5.66	168	674056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1040720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	460811	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	357241	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
35) Dibromofluoromethane	5.51	113	306727	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	1234692	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.14	95	449228	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	17370	5.204	ug/l	94
31) Cyclohexane	5.59	56	39201	3.898	ug/l	92
39) Methylcyclohexane	7.46	83	96350	8.491	ug/l	97
40) Benzene	6.14	78	8935	0.341	ug/l	92
52) Toluene	8.79	92	5628	0.332	ug/l	98
67) Ethyl Benzene	10.26	91	9082	0.277	ug/l	96
68) m/p-Xylenes	10.36	106	6750	0.521	ug/l	100
69) o-Xylene	10.70	106	3859	0.302	ug/l	98
73) Isopropylbenzene	11.02	105	588128	18.656	ug/l	99
78) n-propylbenzene	11.36	91	2014224	58.021	ug/l	99
83) tert-Butylbenzene	11.77	119	78382	3.016	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	7129m	0.261	ug/l	
85) sec-Butylbenzene	11.94	105	642426	20.162	ug/l	97
89) n-Butylbenzene	12.39	91	434458	18.226	ug/l #	83

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

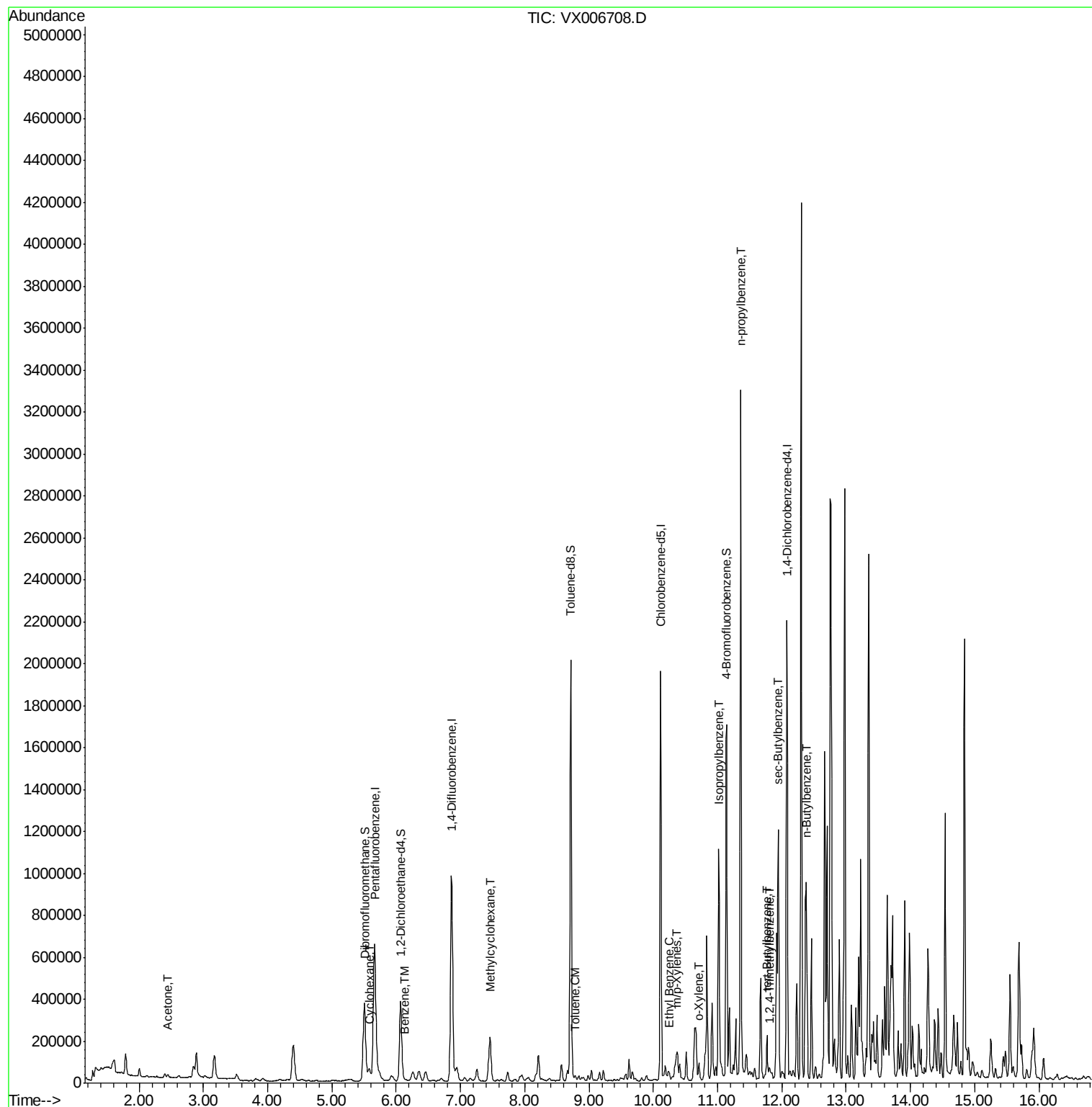
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006708.D
Acq On : 21 Dec 2018 06:28
Operator : JC/MD
Sample : J6517-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

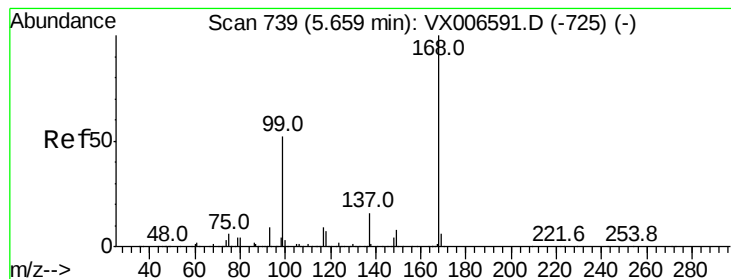
Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

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Quant Time: Dec 21 08:19:54 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

Tot Ion:168 Resp: 674056

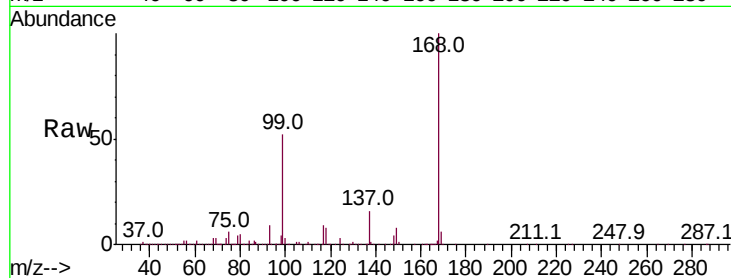
Ion Ratio Lower Upper

168 100

99 51.9 41.8 62.8

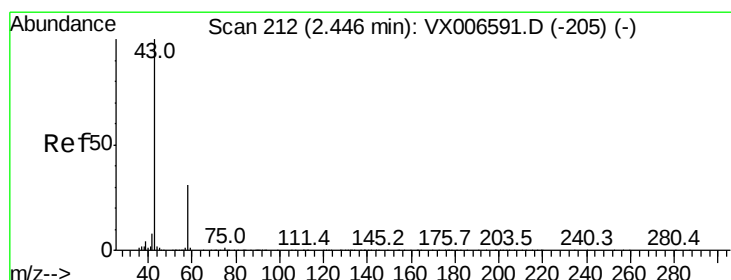
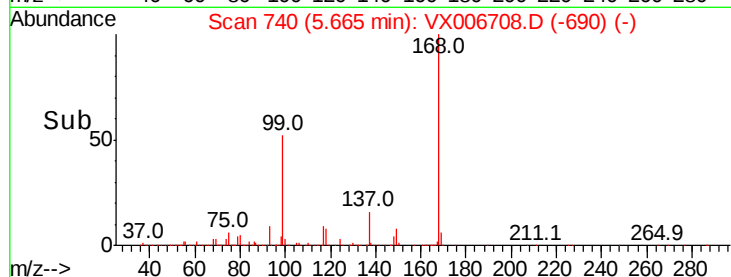
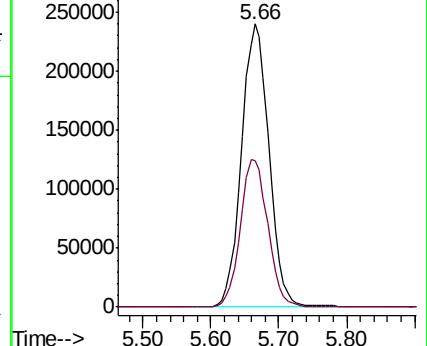
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.204 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006708.D

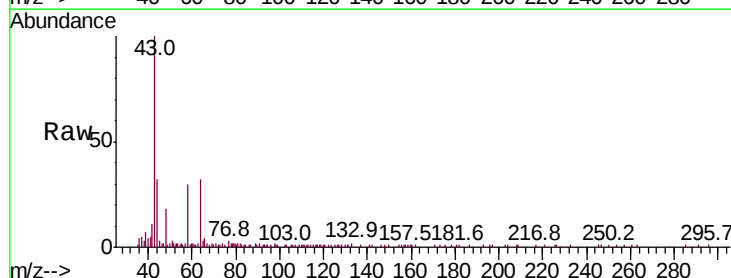
Acq: 21 Dec 2018 06:28

Tgt Ion: 43 Resp: 17370

Ion Ratio Lower Upper

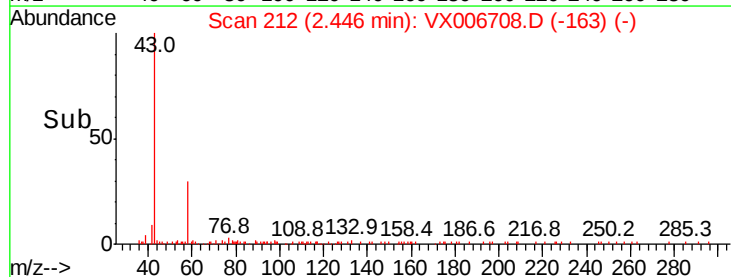
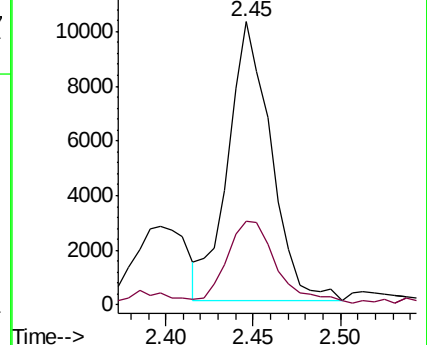
43 100

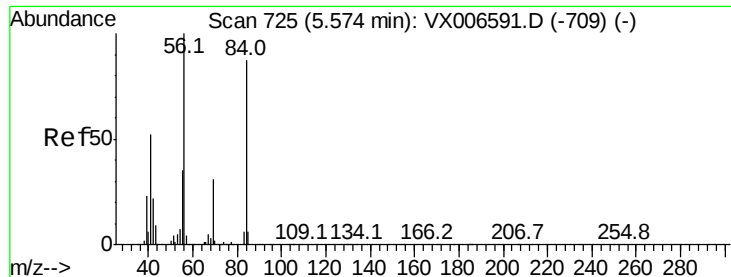
58 28.2 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





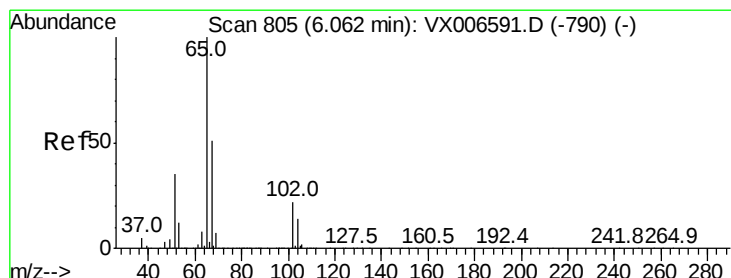
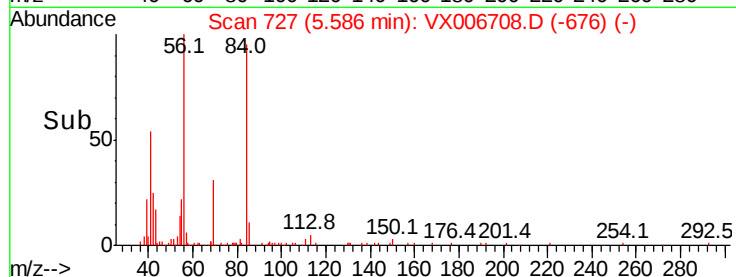
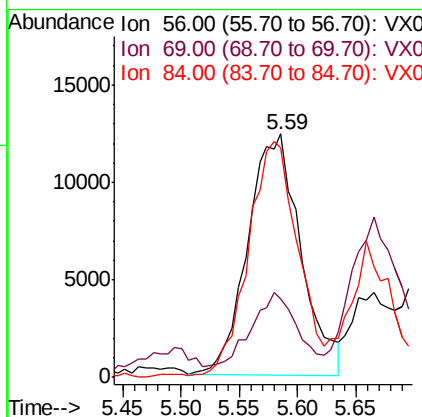
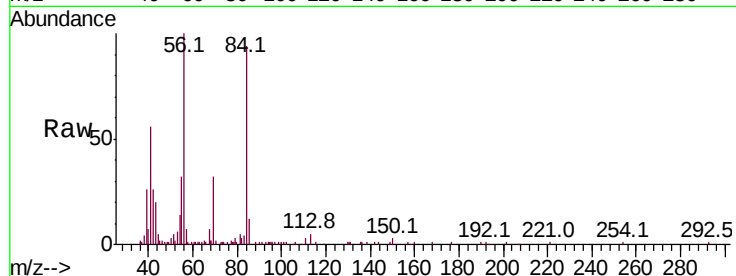
#31
Cyclohexane
Concen: 3.898 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.6	24.4	36.6
84	94.4	70.0	105.0

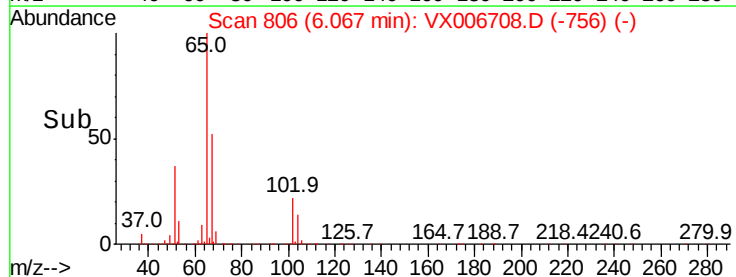
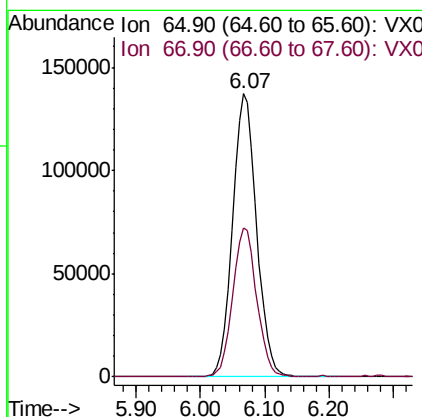
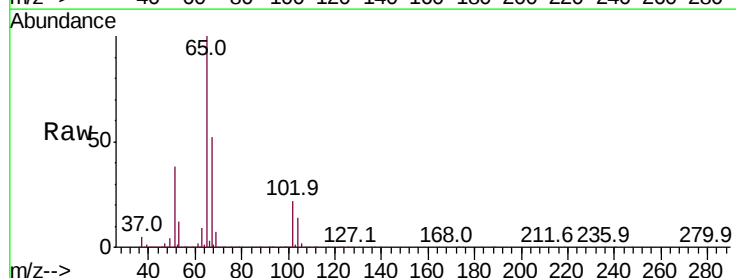
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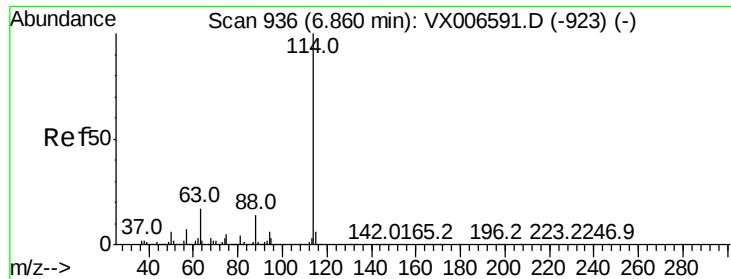
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#33
1,2-Dichloroethane-d4
Concen: 49.175 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	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: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

Tot Ion:114 Resp: 1040720

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

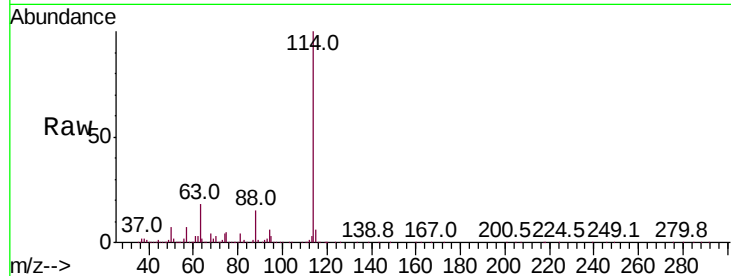
88 15.1 0.0 28.8

Manual Integrations

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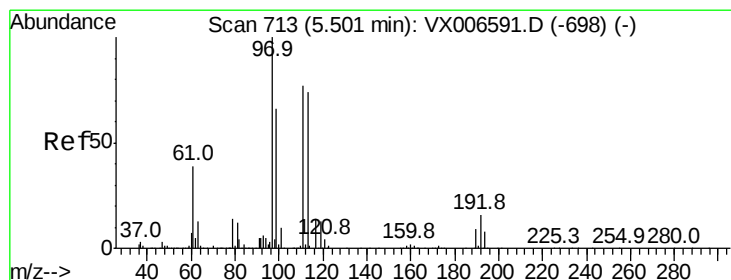
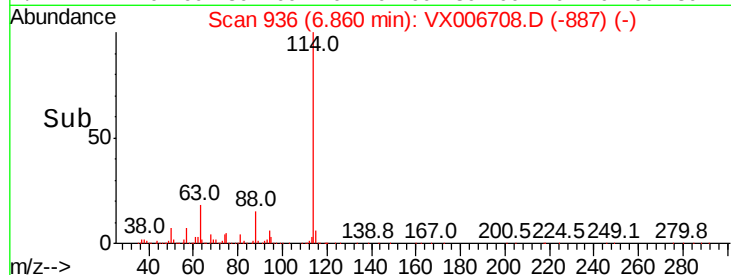
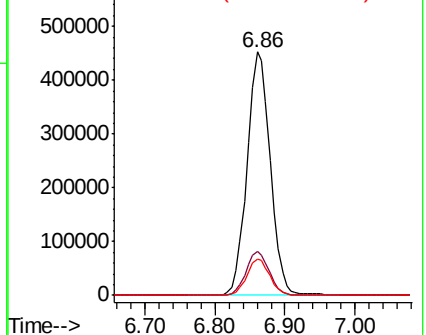
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.606 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

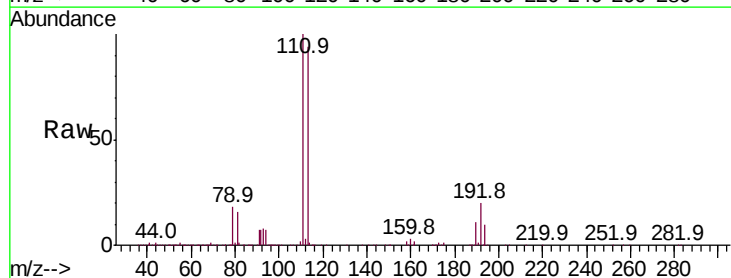
Tgt Ion:113 Resp: 306727

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

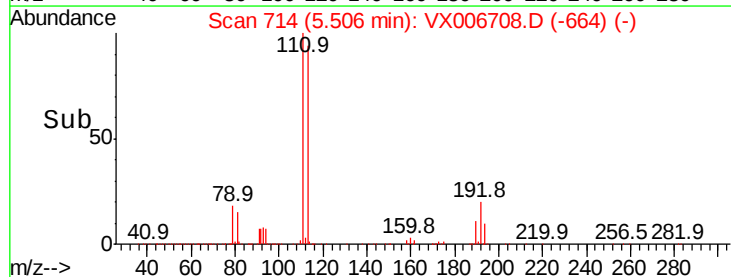
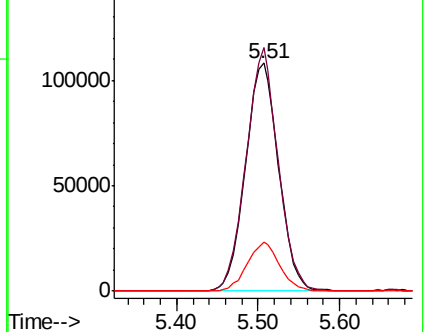
192 21.0 16.7 25.1

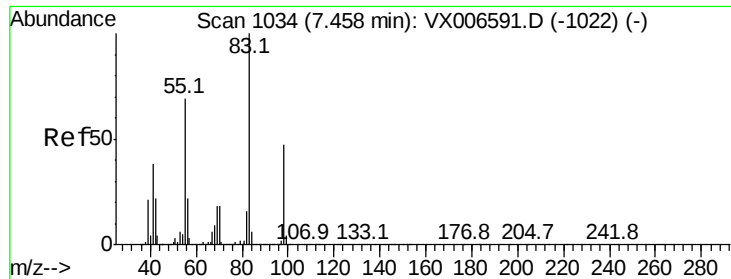


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





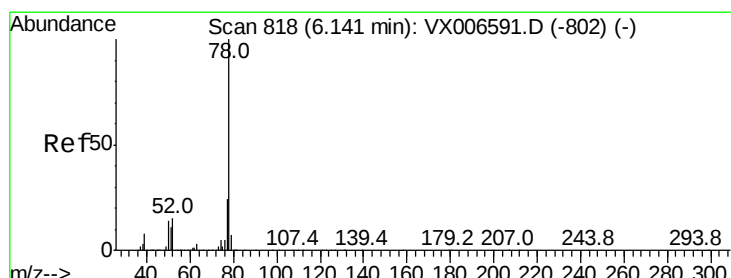
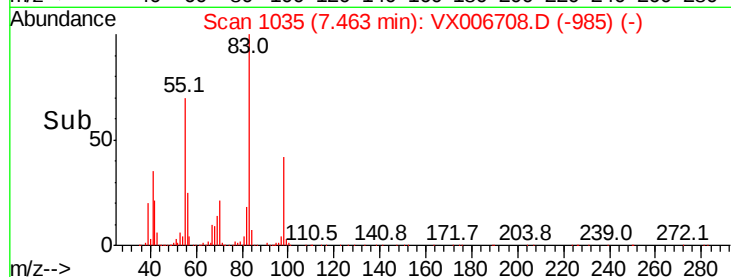
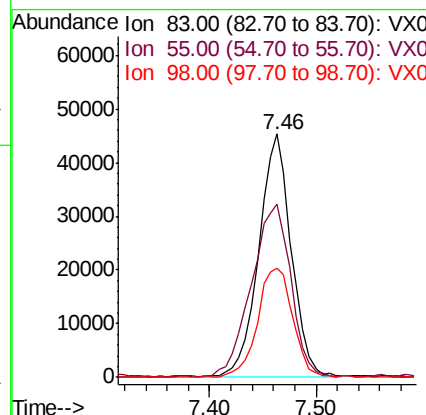
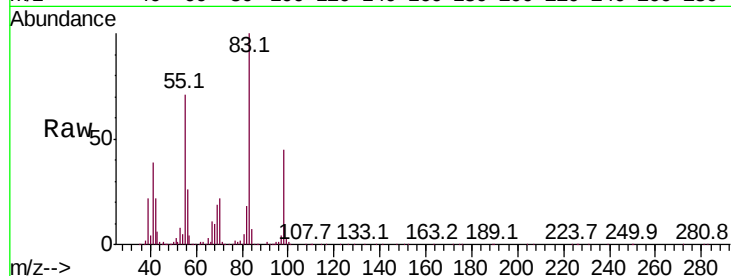
#39
Methvlcvclohexane
Concen: 8.491 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.8	54.9	82.3
98	44.9	37.9	56.9

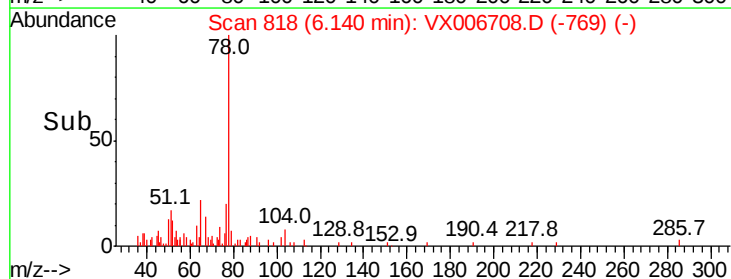
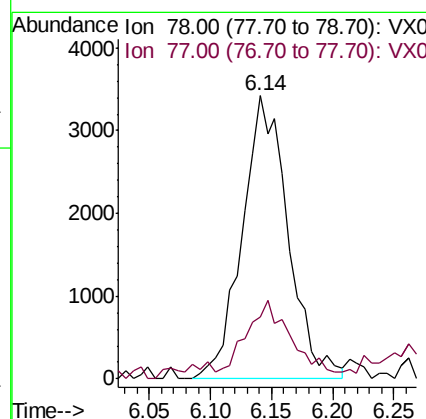
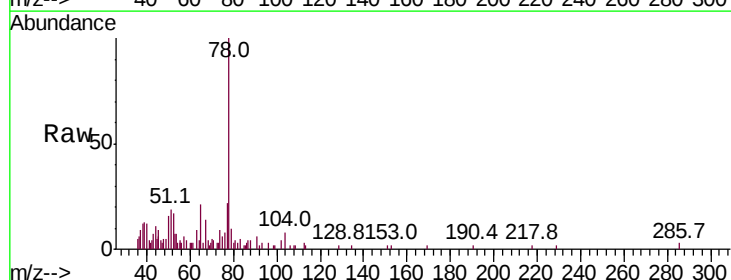
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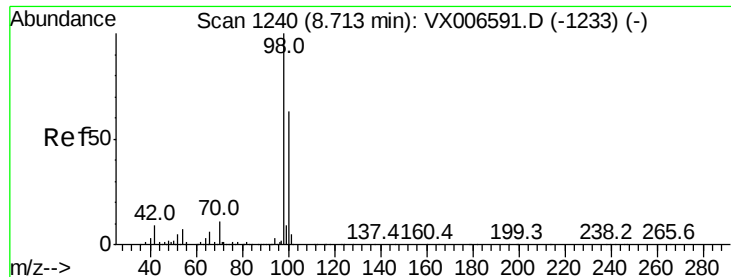
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#40
Benzene
Concen: 0.341 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.2	28.8





#50

Toluene-d8

Concen: 49.762 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

Tot Ion: 98 Resp: 1234692

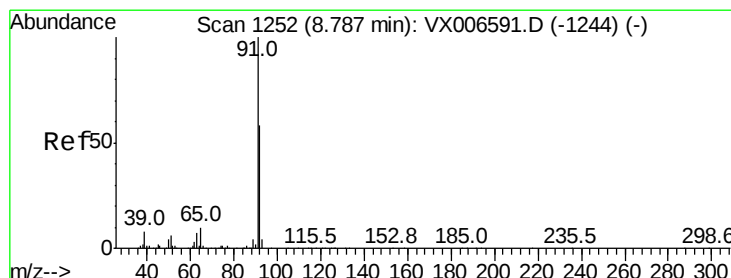
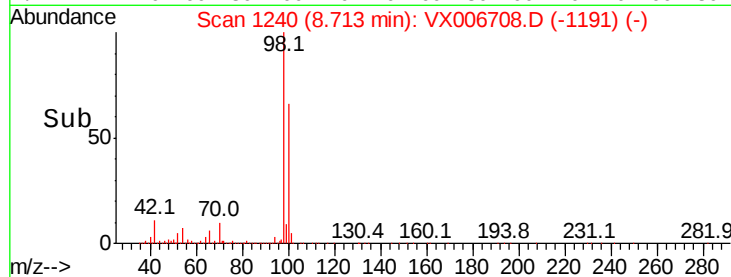
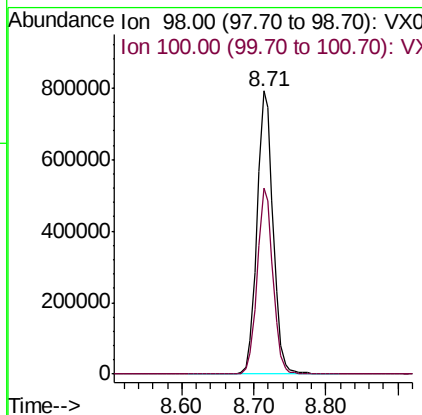
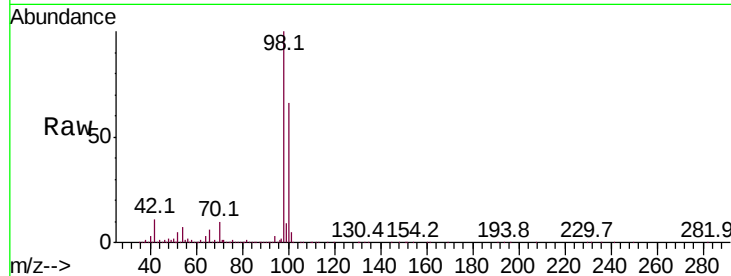
Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

Manual Integrations
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#52

Toluene

Concen: 0.332 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006708.D

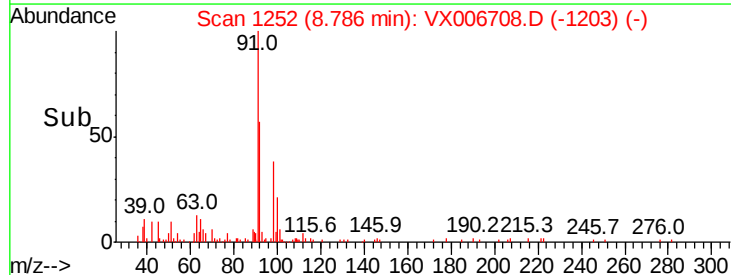
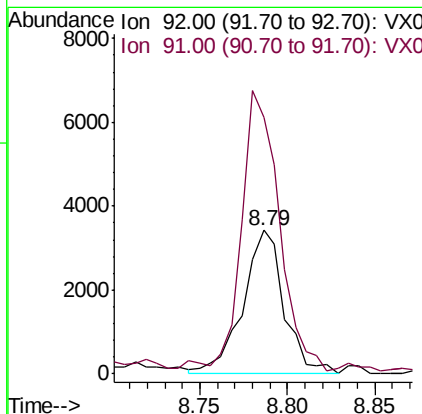
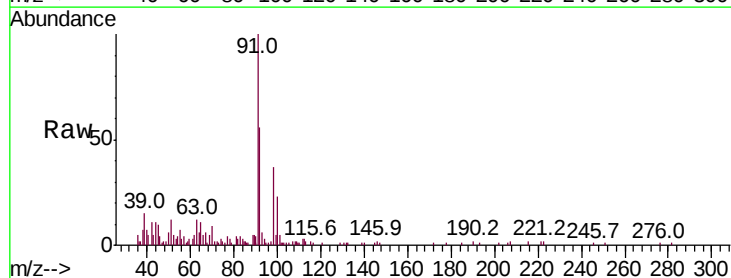
Acq: 21 Dec 2018 06:28

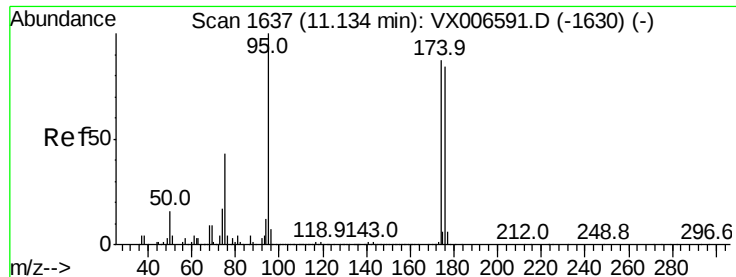
Tgt Ion: 92 Resp: 5628

Ion Ratio Lower Upper

92 100

91 175.2 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 49.436 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

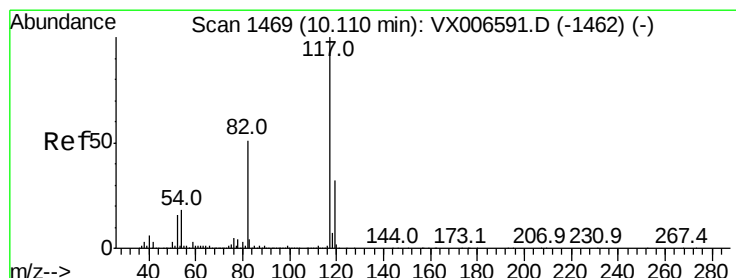
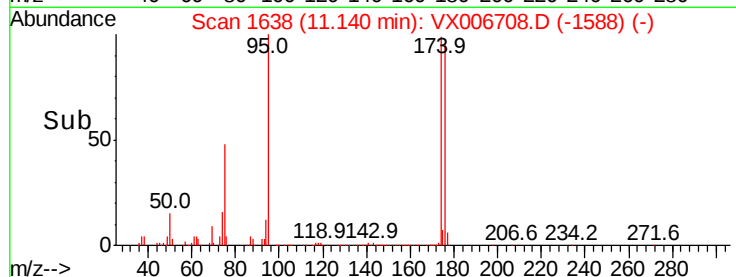
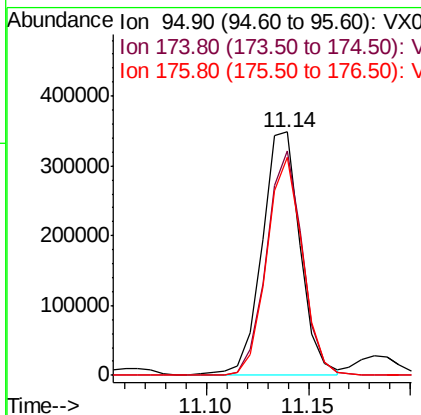
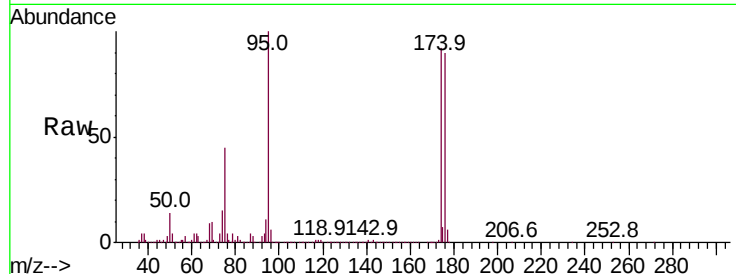
ClientSampleId :

DUP-121918-01

Tot Ion:	95	Resp:	449228
Ion Ratio	Lower	Upper	
95	100		
174	87.4	0.0	182.2
176	85.2	0.0	178.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

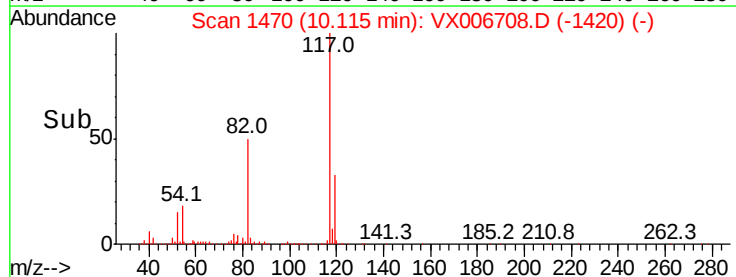
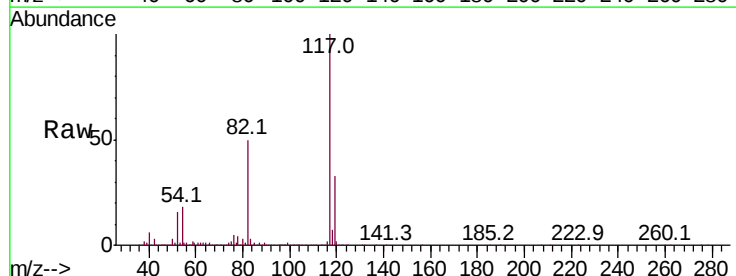
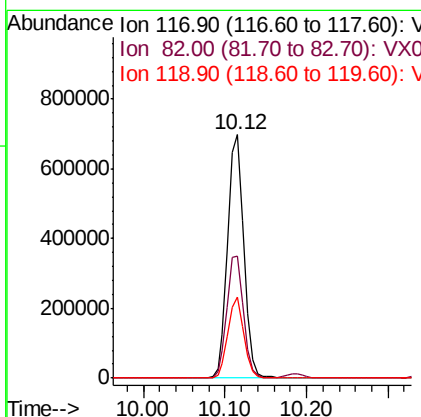
RT: 10.12 min Scan# 1470

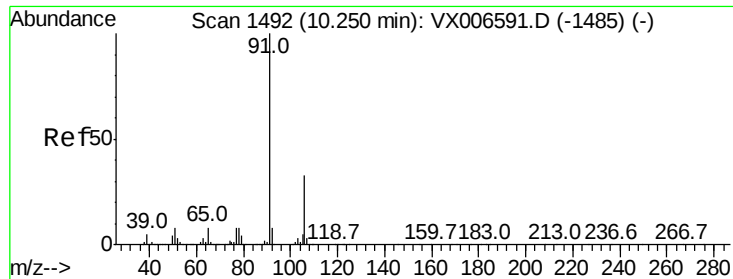
Delta R.T. 0.01 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Tgt Ion:	117	Resp:	949081
Ion Ratio	Lower	Upper	
117	100		
82	50.1	41.0	61.6
119	33.1	25.4	38.0





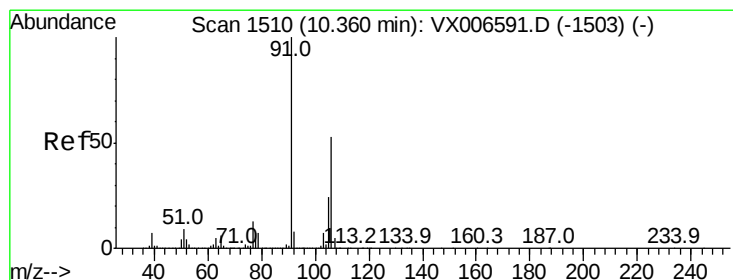
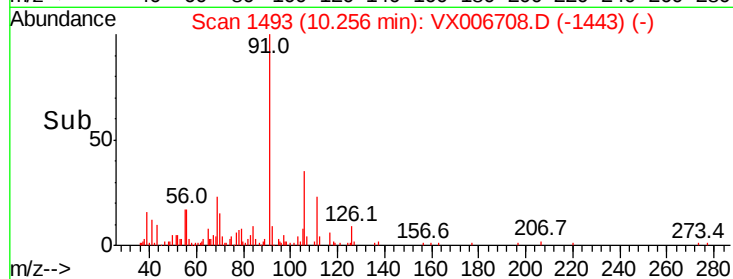
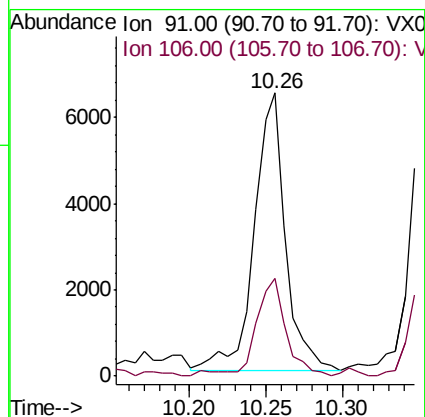
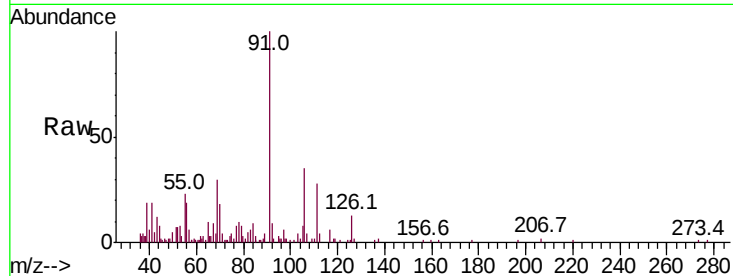
#67
Ethyl Benzene
Concen: 0.277 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

Tot Ion: 91 Resp: 9082
Ion Ratio Lower Upper
91 100
106 35.3 26.4 39.6

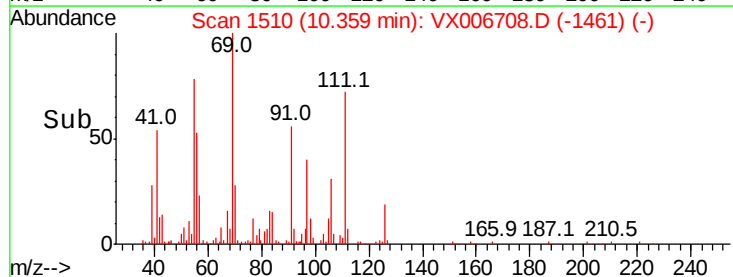
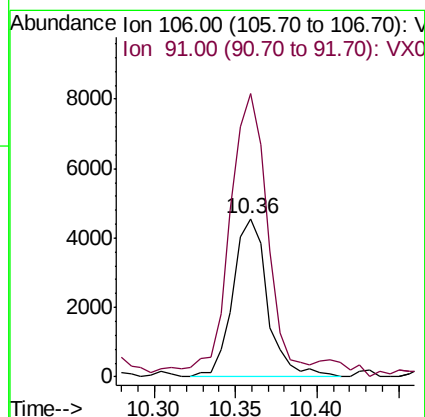
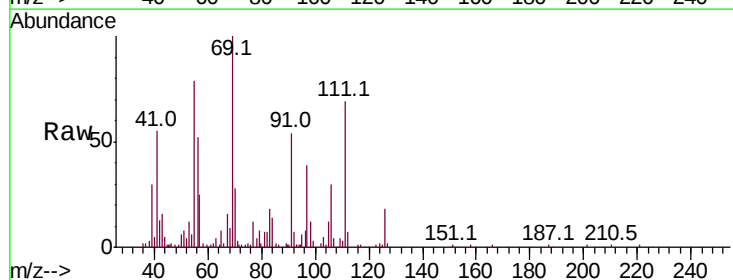
Manual Integrations
APPROVED

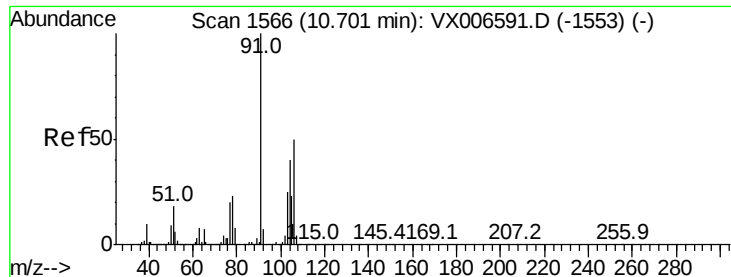
MMDadoda
12/21/2018 10:19:47 AM



#68
m/p-Xylenes
Concen: 0.521 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion: 106 Resp: 6750
Ion Ratio Lower Upper
106 100
91 195.4 155.8 233.6





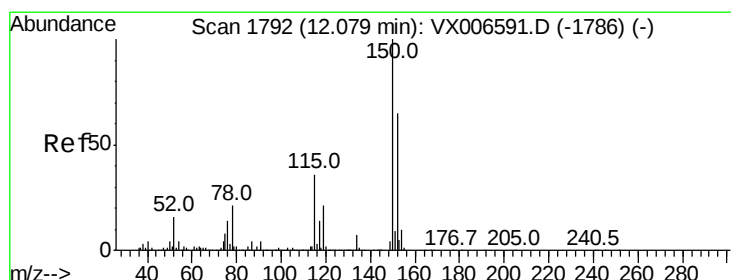
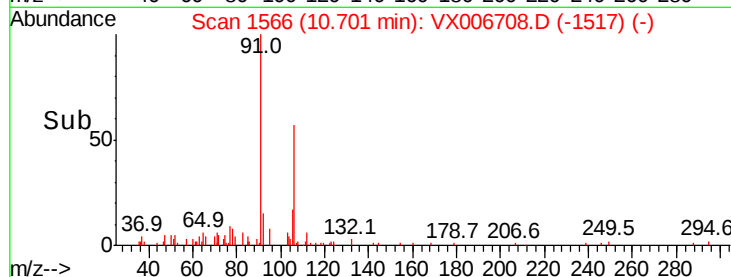
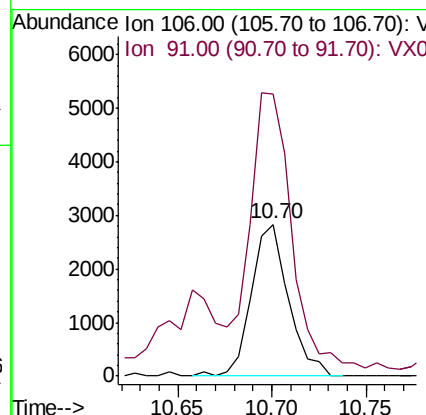
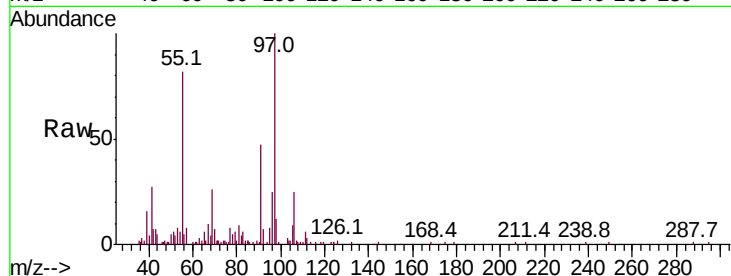
#69
o-Xylene
Concen: 0.302 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.3	101.3	303.7

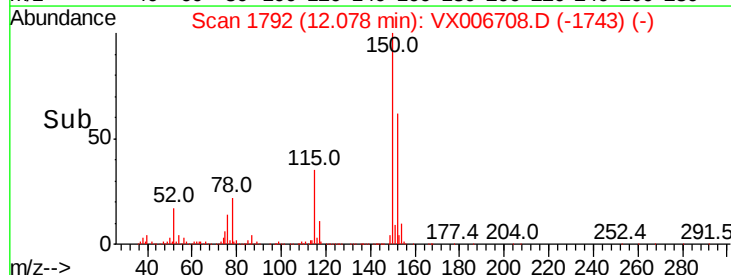
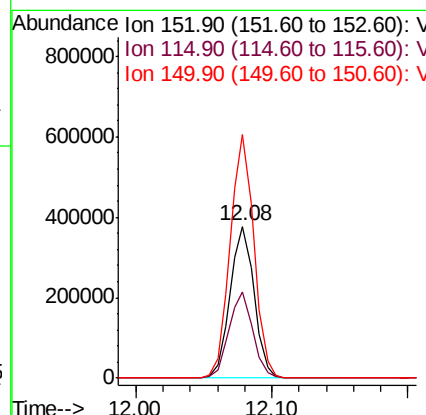
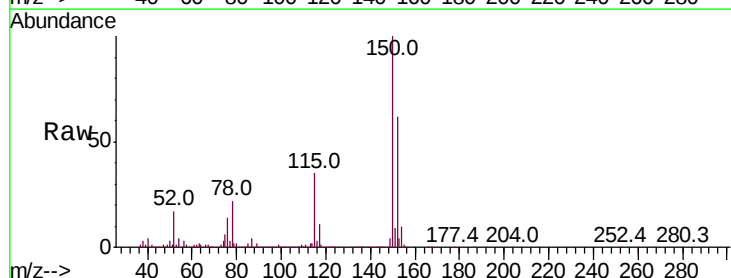
Manual Integrations
APPROVED

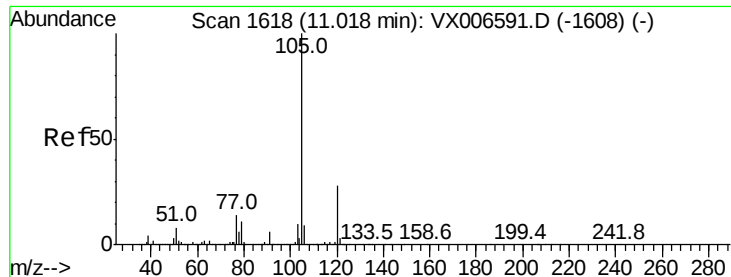
MMDadoda
12/21/2018 10:19:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.1	117.2
150	158.9	0.0	344.8





#73

Isopropylbenzene

Concen: 18.656 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

Tot Ion:105 Resp: 588128

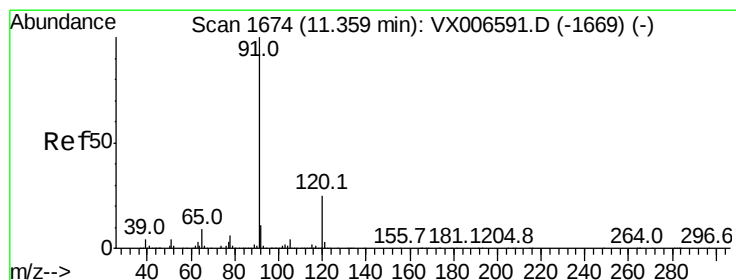
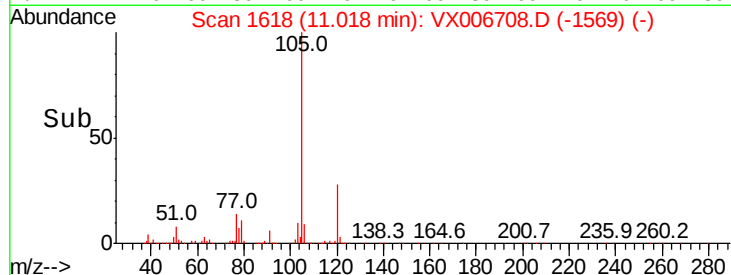
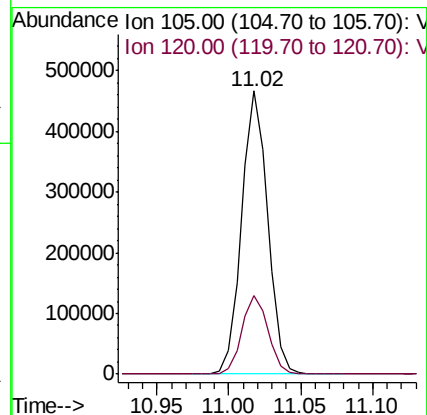
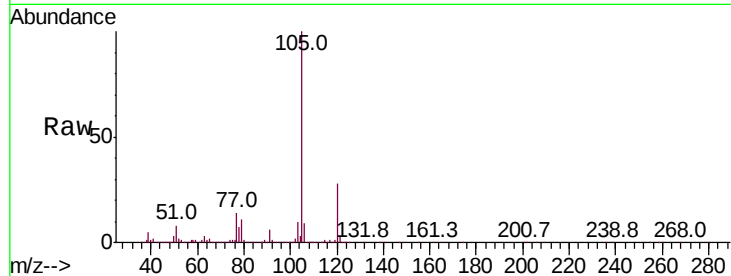
Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.4

Manual Integrations
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MMDadoda
12/21/2018 10:19:47 AM



#78

n-propylbenzene

Concen: 58.021 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006708.D

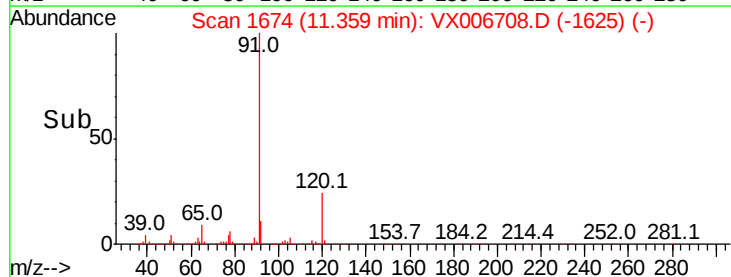
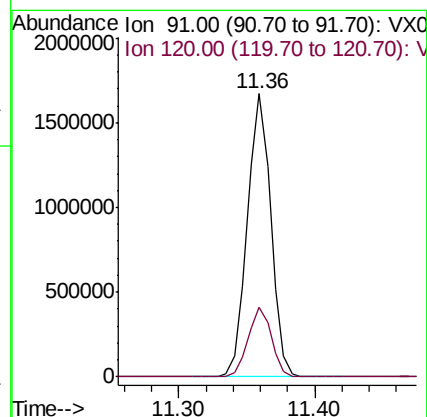
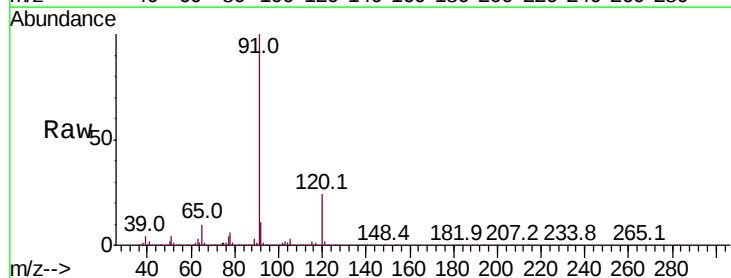
Acq: 21 Dec 2018 06:28

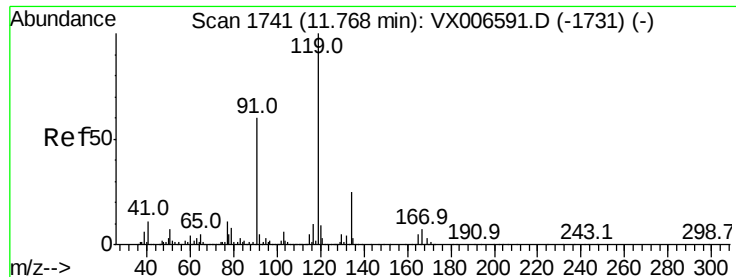
Tgt Ion: 91 Resp: 2014224

Ion Ratio Lower Upper

91 100

120 24.6 12.7 38.0





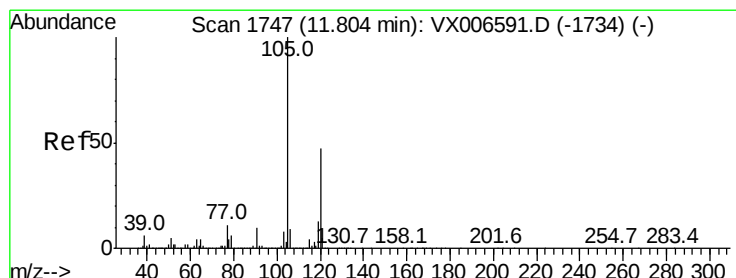
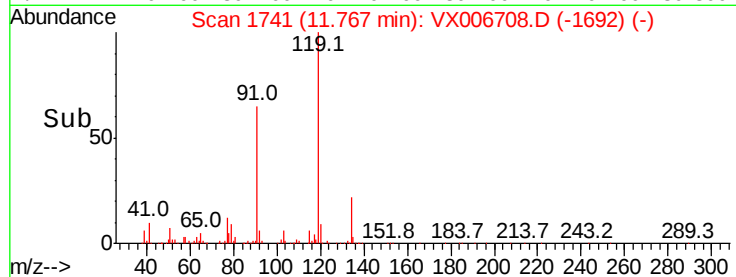
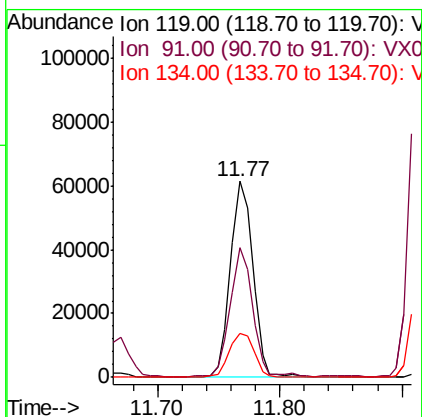
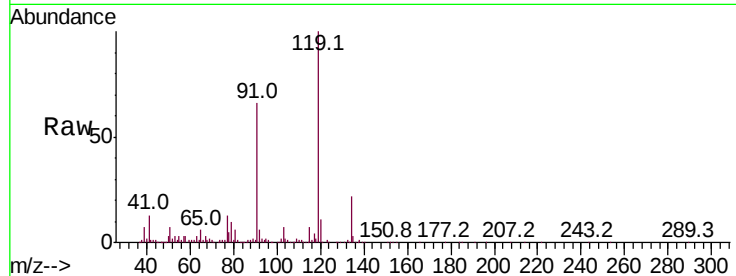
#83
tert-Butylbenzene
Concen: 3.016 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
DUP-121918-01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	27.7	83.1
134	24.8	11.9	35.5

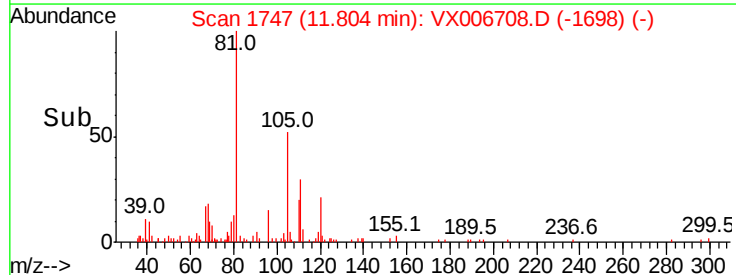
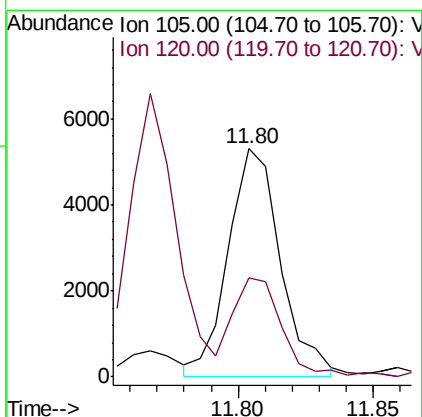
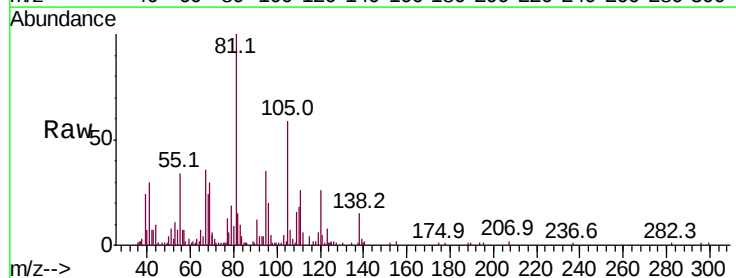
Manual Integrations
APPROVED

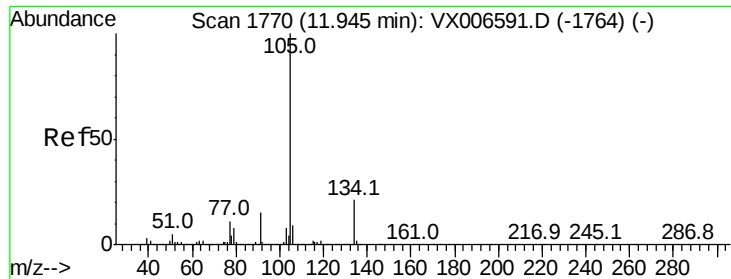
MMDadoda
12/21/2018 10:19:47 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.261 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006708.D
Acq: 21 Dec 2018 06:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	479.2	23.2	69.6#





#85

sec-Butylbenzene

Concen: 20.162 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

DUP-121918-01

Tot Ion:105 Resp: 642426

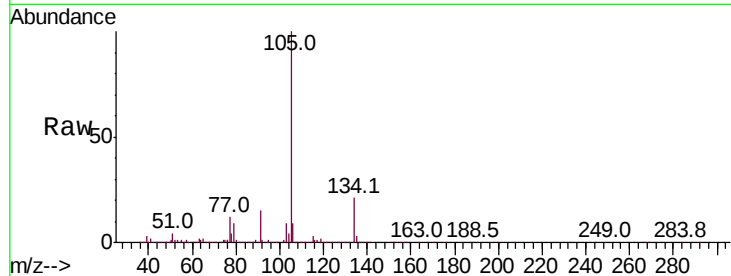
Ion Ratio Lower Upper

105 100

134 19.7 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:19:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

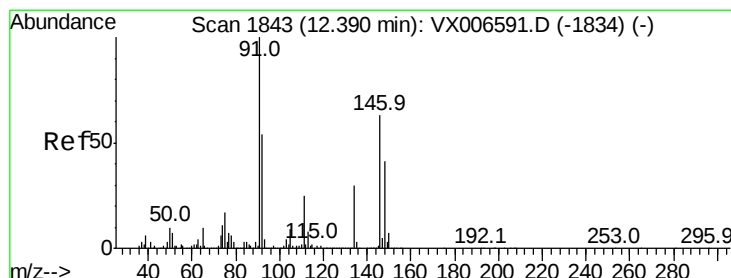
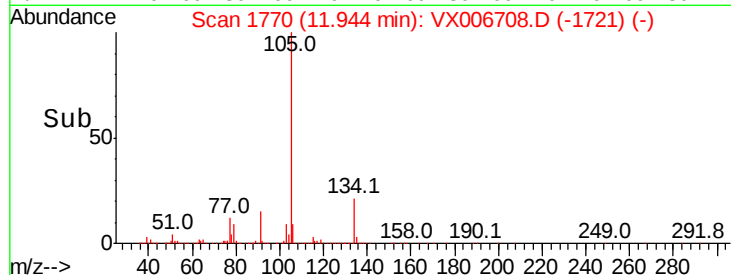
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#89

n-Butylbenzene

Concen: 18.226 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006708.D

Acq: 21 Dec 2018 06:28

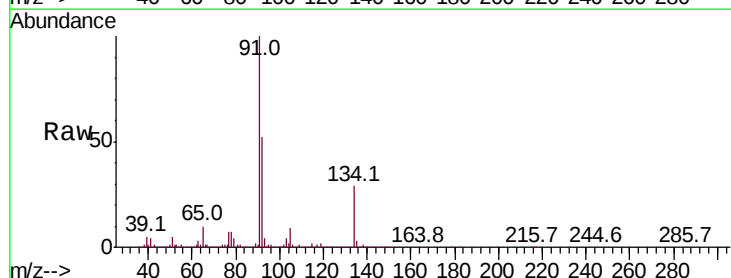
Tgt Ion: 91 Resp: 434458

Ion Ratio Lower Upper

91 100

92 46.4 26.8 80.4

134 44.5 14.4 43.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

400000

300000

200000

100000

0

Time--> 12.30 12.35 12.40 12.45

