

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006442.D
 Acq On : 12 Dec 2018 13:59
 Operator : JC/MD
 Sample : J6334-04DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B2-121018DL

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:07 AM

Quant Time: Dec 13 06:36:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	724170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1111232	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1034170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	512189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	364156	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	5.50	113	340544	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	1310730	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	486170	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	75736	21.830	ug/l	95
25) 2-Butanone	4.71	43	49581	10.016	ug/l	95
31) Cyclohexane	5.57	56	129372	12.114	ug/l	98
39) Methylcyclohexane	7.46	83	190140	15.654	ug/l	96
40) Benzene	6.14	78	50011	1.784	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	7304	0.718	ug/l	94
52) Toluene	8.79	92	16151	0.876	ug/l	95
59) 2-Hexanone	9.50	43	8773	1.129	ug/l	88
67) Ethyl Benzene	10.26	91	11865m	0.325	ug/l	
68) m/p-Xylenes	10.36	106	593990	40.612	ug/l	99
69) o-Xylene	10.70	106	271925	18.822	ug/l	100
73) Isopropylbenzene	11.02	105	9101	0.257	ug/l	99
78) n-propylbenzene	11.36	91	10724	0.273	ug/l #	50
80) 1,3,5-Trimethylbenzene	11.51	105	1125558	38.246	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	3489783	114.837	ug/l	99
85) sec-Butylbenzene	11.94	105	13681m	0.383	ug/l	
86) p-Isopropyltoluene	12.07	119	61887	1.924	ug/l	98
95) Naphthalene	13.83	128	1557443	39.590	ug/l	100

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

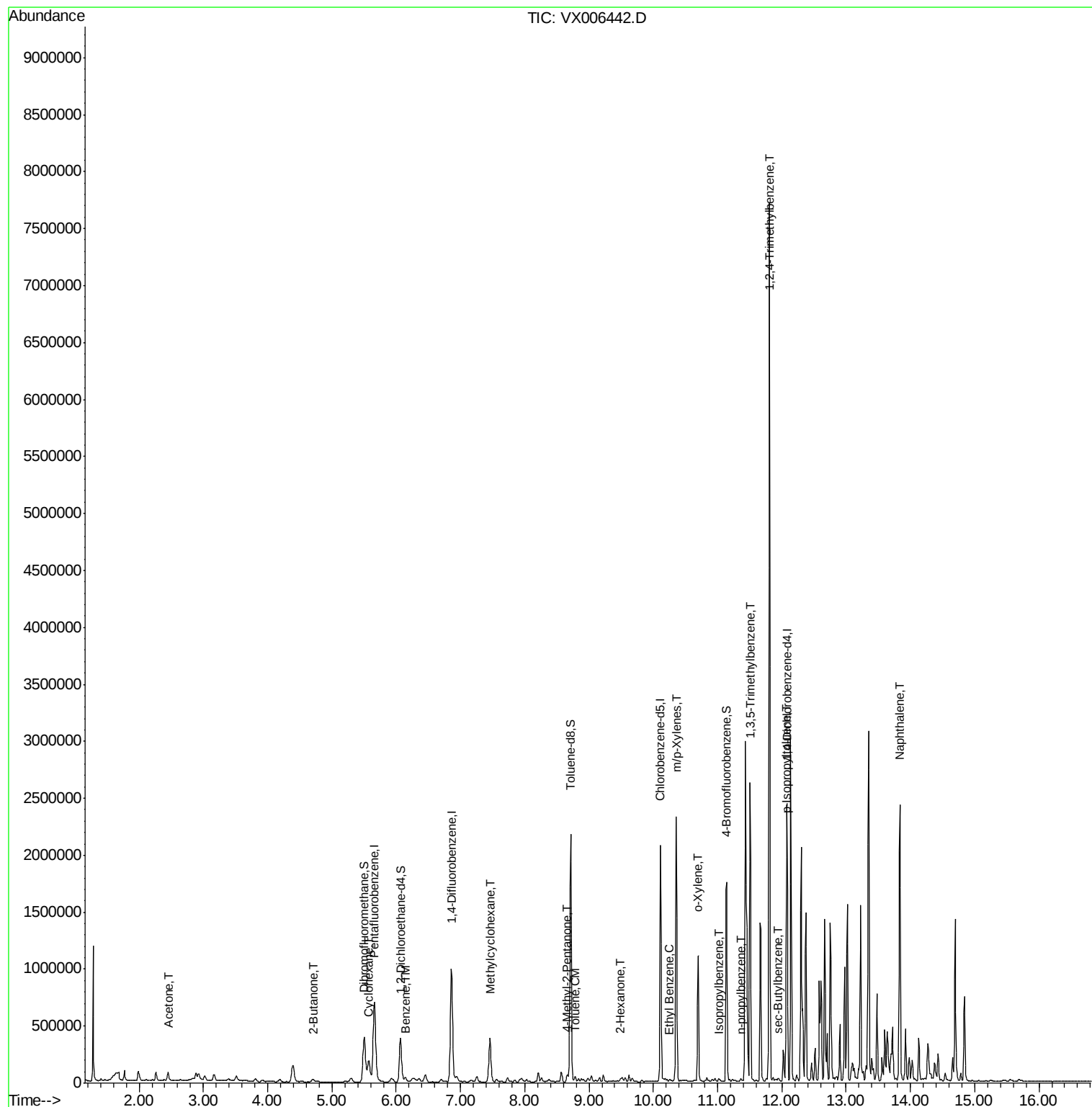
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:07 AM

Quant Time: Dec 13 06:36:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

B2-121018DL

Tot Ion:168 Resp: 724170

Ion Ratio Lower Upper

168 100

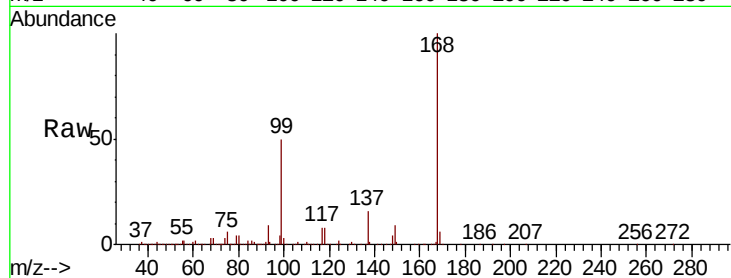
99 50.3 37.8 56.8

Manual Integrations

APPROVED

MMDadoda

12/13/2018 11:05:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

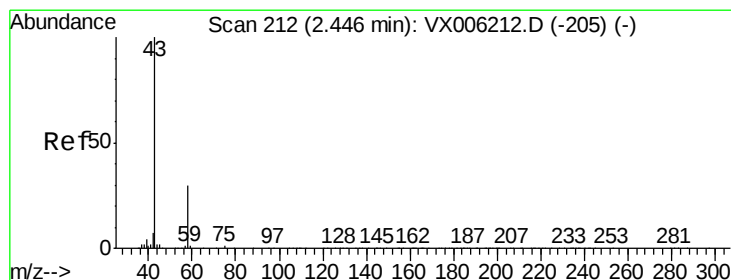
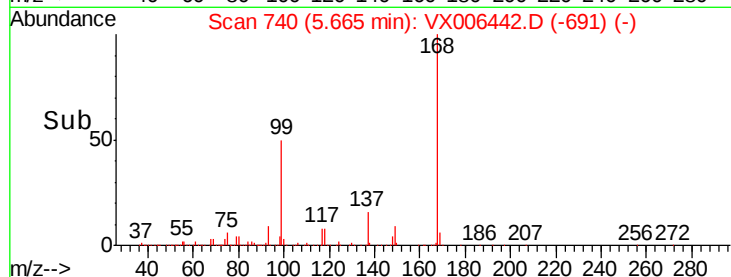
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 21.830 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006442.D

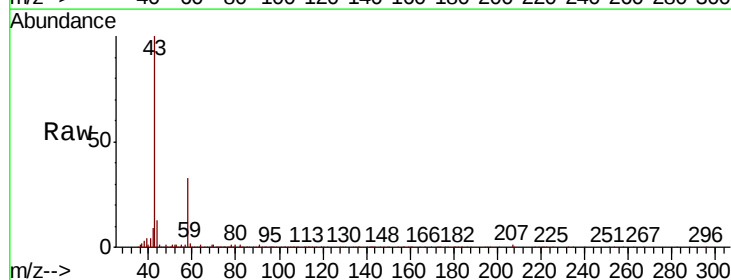
Acq: 12 Dec 2018 13:59

Tgt Ion: 43 Resp: 75736

Ion Ratio Lower Upper

43 100

58 32.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

50000

40000

30000

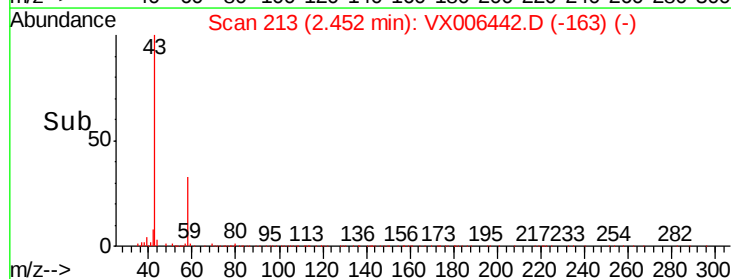
20000

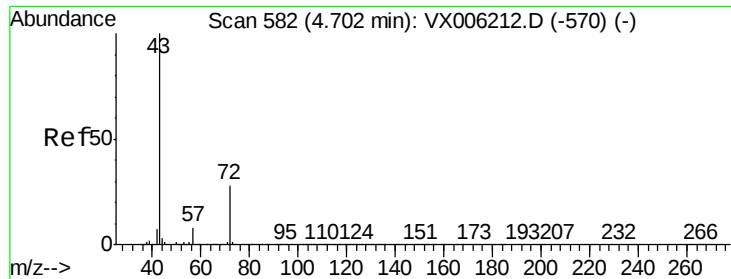
10000

0

2.40 2.45 2.50 2.55

Time-->





#25

2-Butanone

Concen: 10.016 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

B2-121018DL

Tot Ion: 43 Resp: 49581

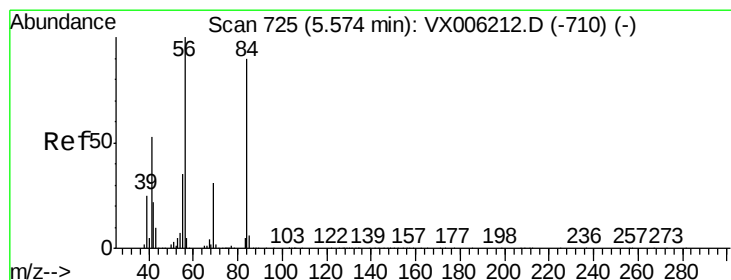
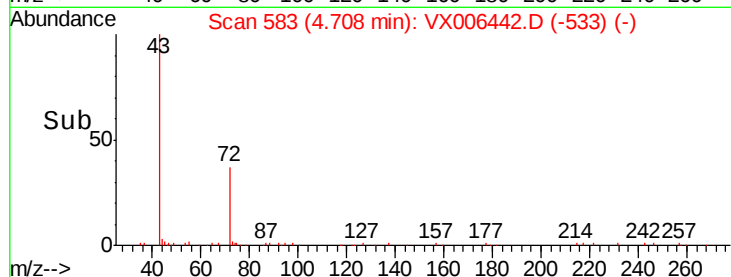
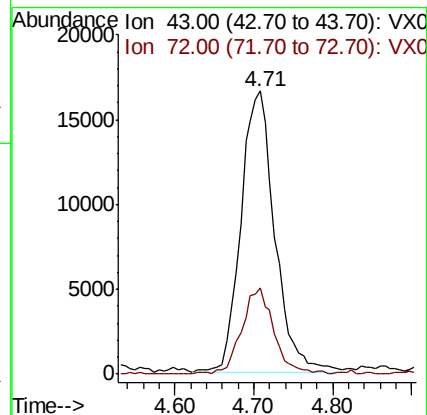
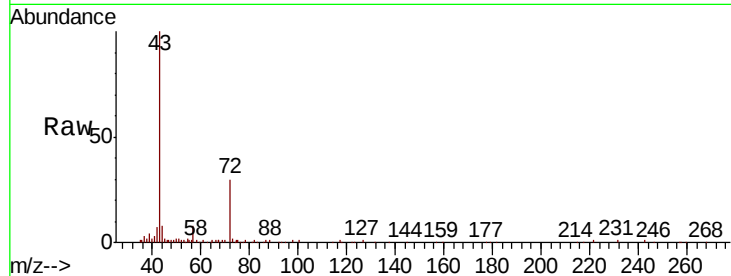
Ion Ratio Lower Upper

43 100

72 30.7 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:07 AM



#31

Cyclohexane

Concen: 12.114 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

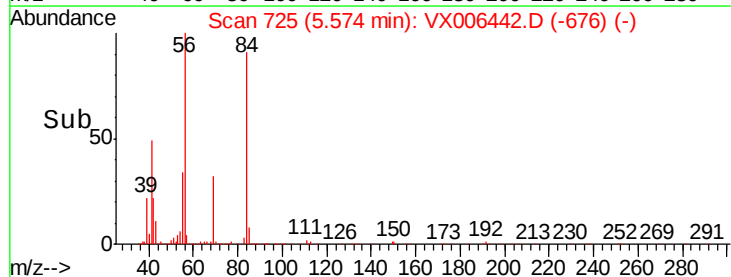
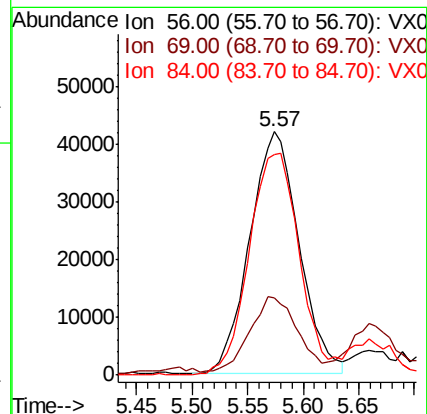
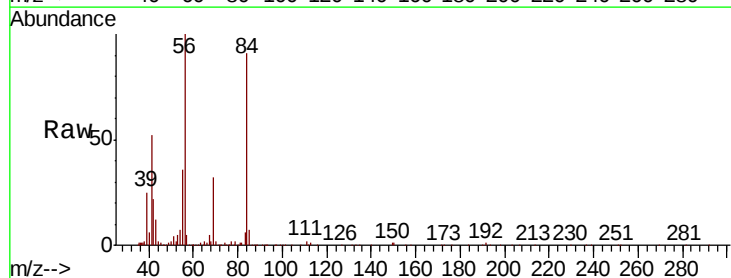
Tgt Ion: 56 Resp: 129372

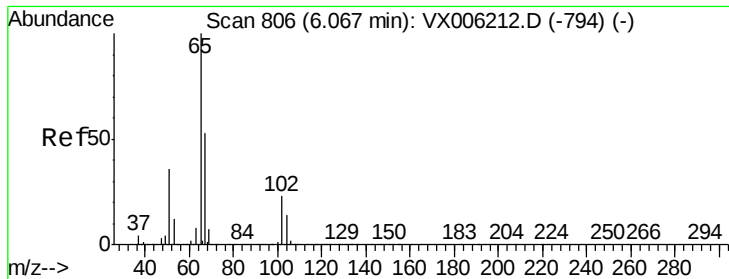
Ion Ratio Lower Upper

56 100

69 29.2 24.5 36.7

84 90.9 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 49.259 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

B2-121018DL

Tot Ion: 65 Resp: 364156

Ion Ratio Lower Upper

65 100

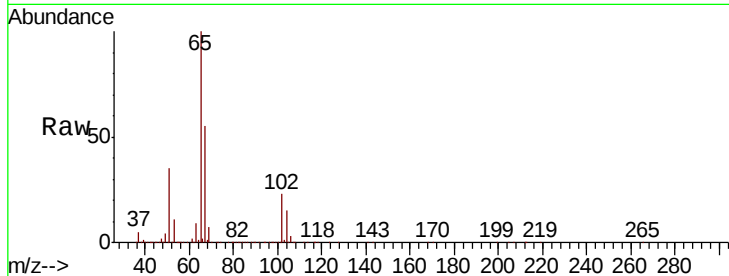
67 53.1 0.0 107.2

Manual Integrations

APPROVED

MMDadoda

12/13/2018 11:05:07 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

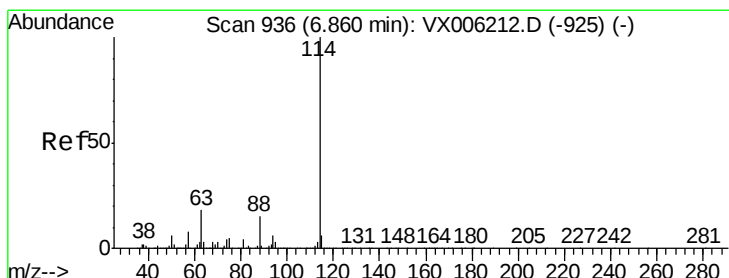
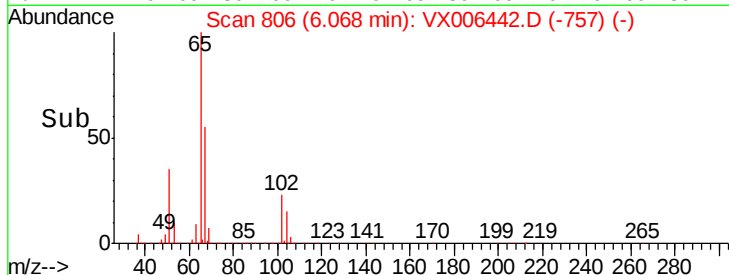
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

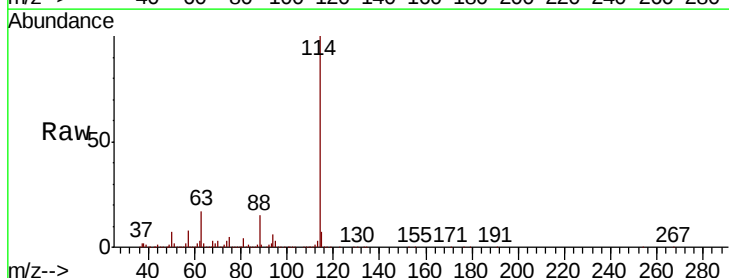
Tgt Ion: 114 Resp: 1111232

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 14.9 0.0 29.0



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

6.86

600000

500000

400000

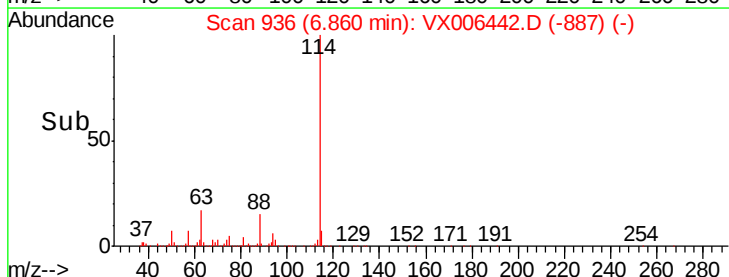
300000

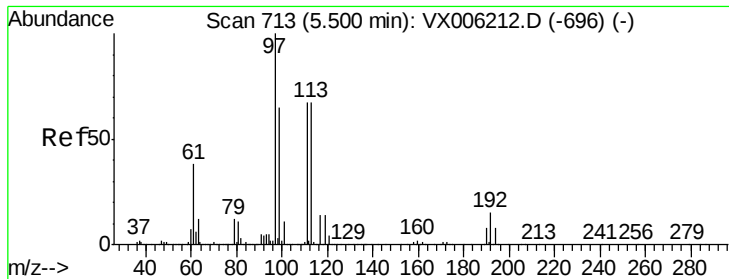
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.332 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

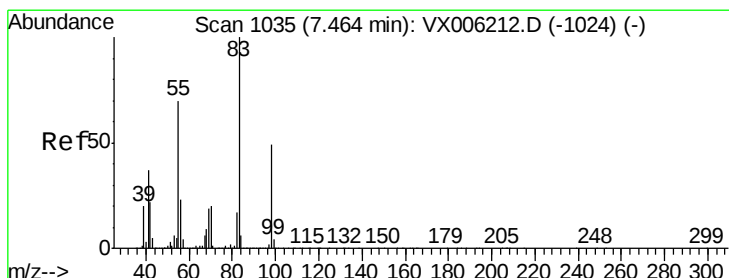
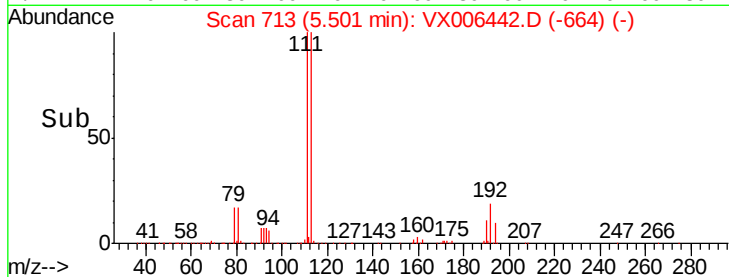
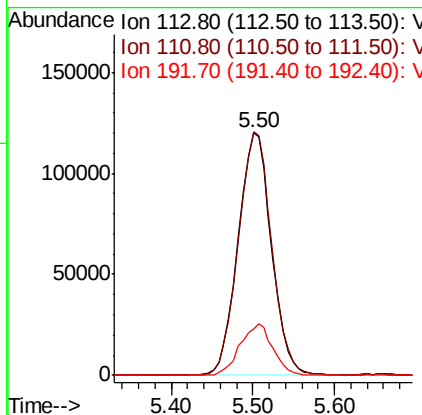
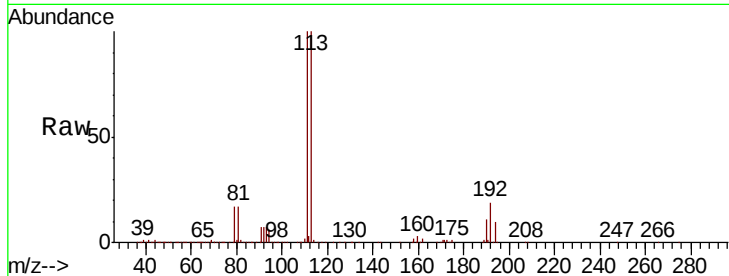
ClientSampleId :

B2-121018DL

Tot Ion:	113	Resp:	340544
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.1	121.7
192	21.0	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:07 AM



#39

Methylcyclohexane

Concen: 15.654 ug/l

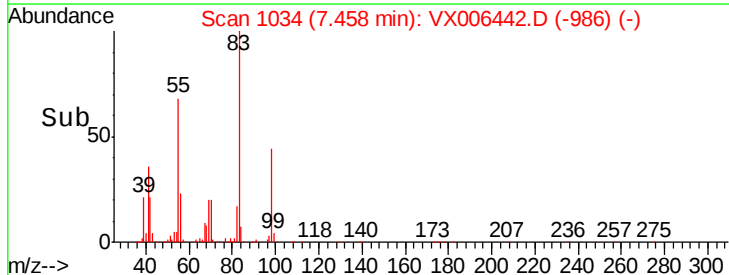
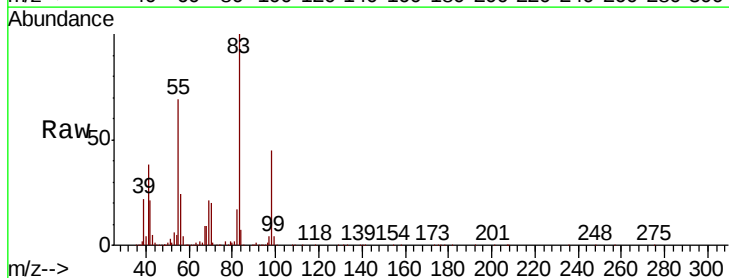
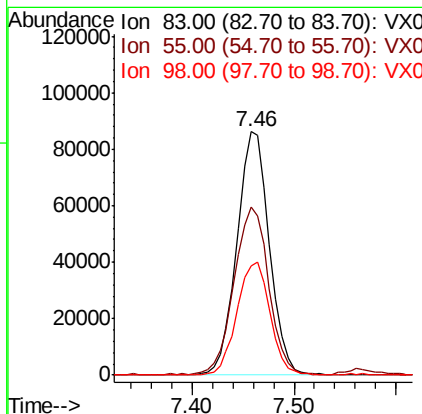
RT: 7.46 min Scan# 1034

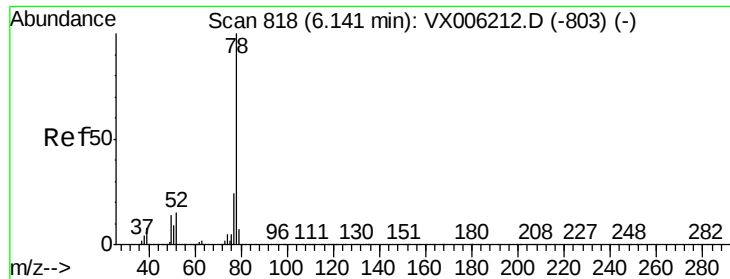
Delta R.T. -0.01 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Tgt Ion:	83	Resp:	190140
Ion Ratio	Lower	Upper	
83	100		
55	69.0	56.4	84.6
98	44.4	39.0	58.6





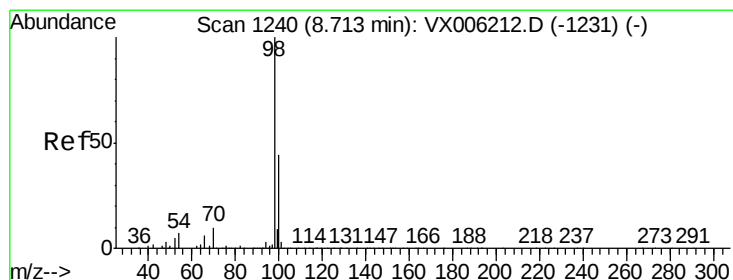
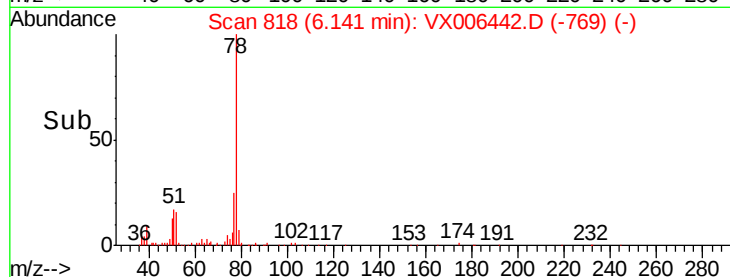
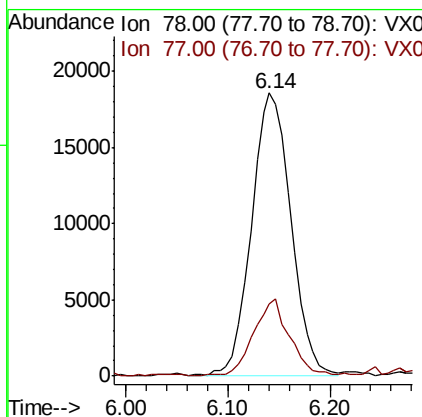
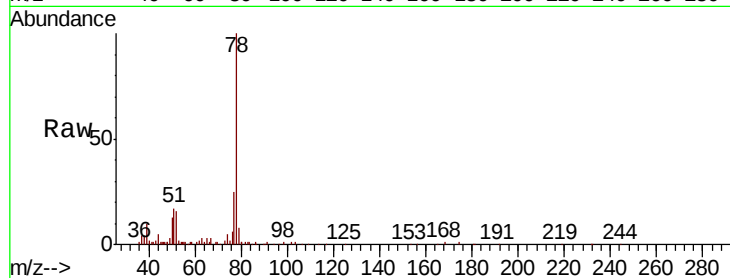
#40
Benzene
Concen: 1.784 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.2	28.8

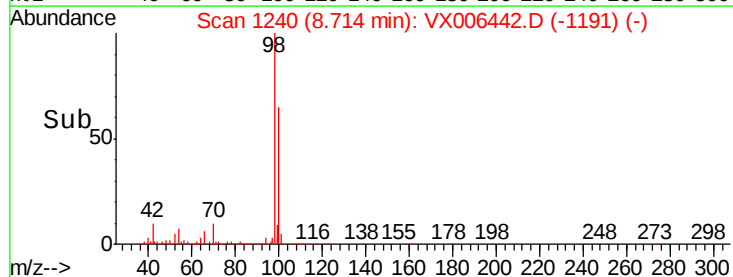
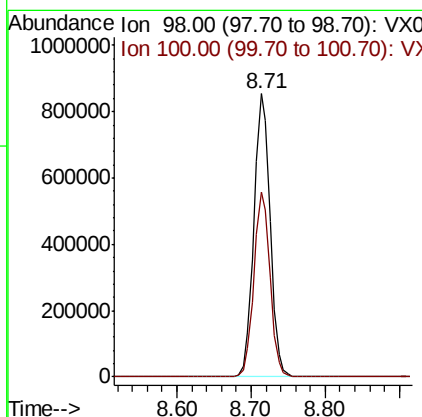
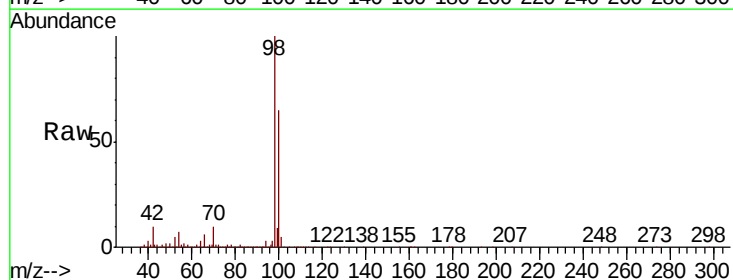
Manual Integrations
APPROVED

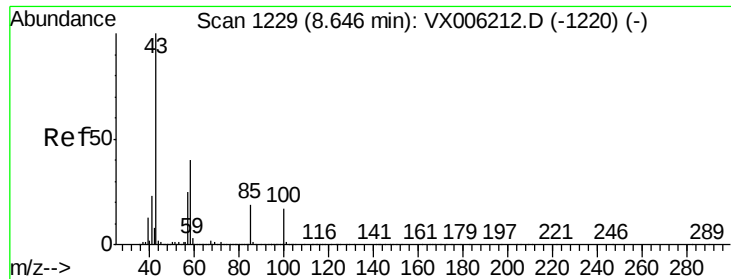
MMDadoda
12/13/2018 11:05:07 AM



#50
Toluene-d8
Concen: 50.084 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





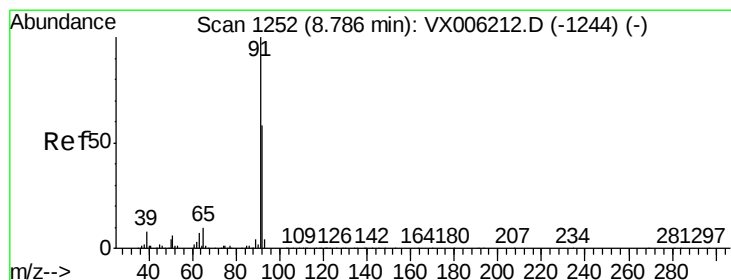
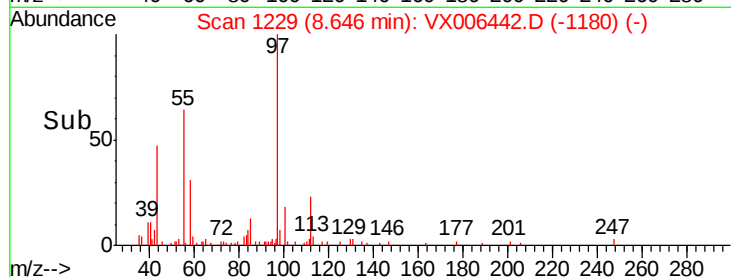
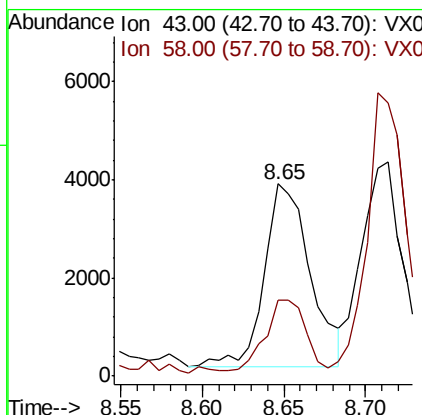
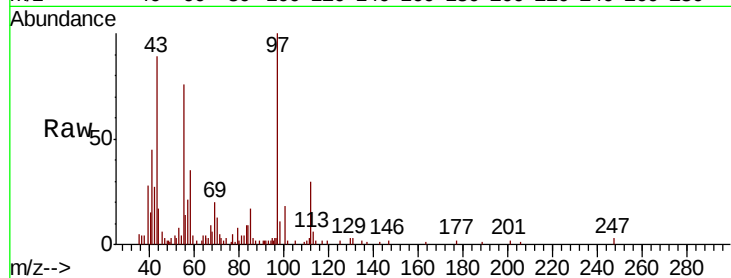
#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	31.3	46.9

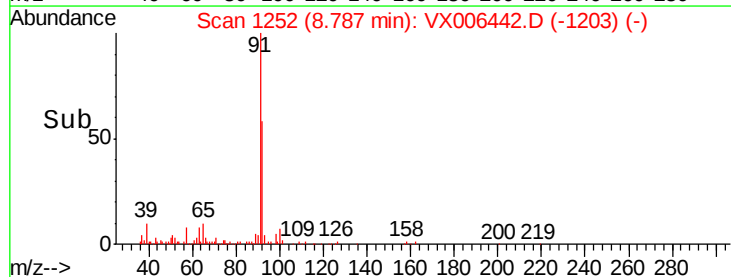
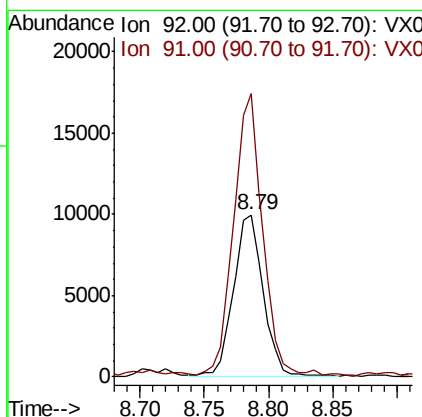
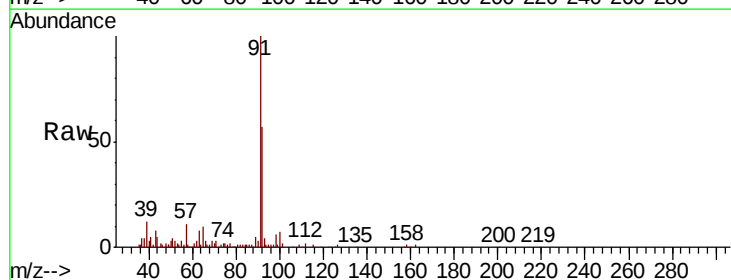
Manual Integrations
APPROVED

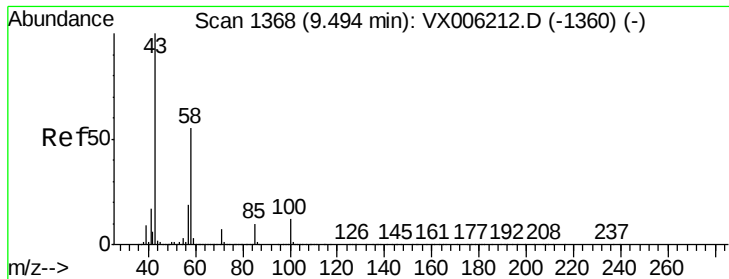
MMDadoda
12/13/2018 11:05:07 AM



#52
Toluene
Concen: 0.876 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.9	139.2	208.8





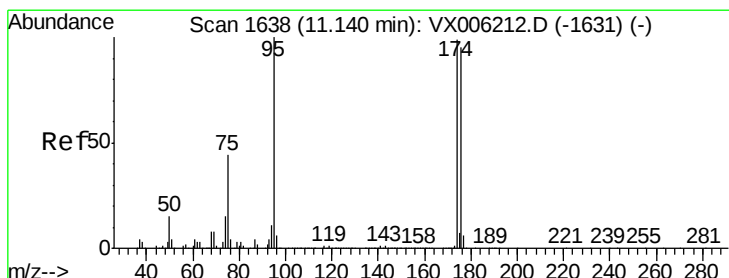
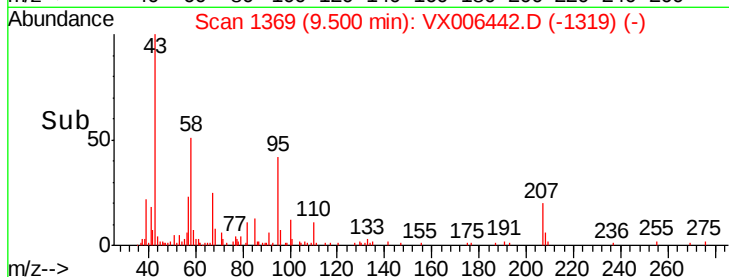
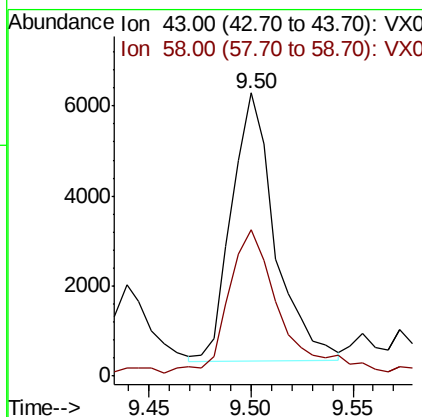
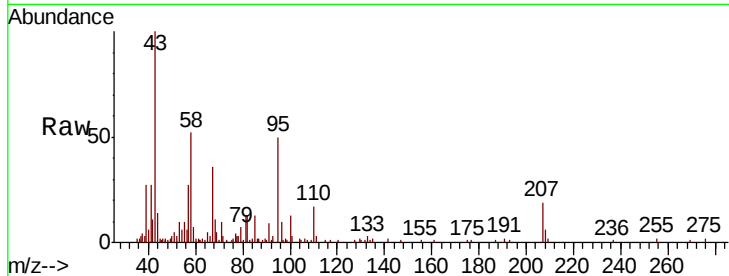
#59
2-Hexanone
Concen: 1.129 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Tot Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
58 63.9 27.7 83.1

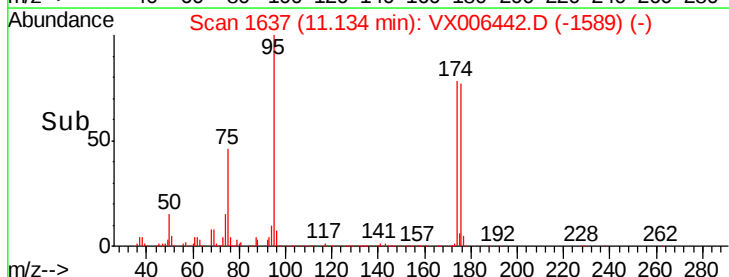
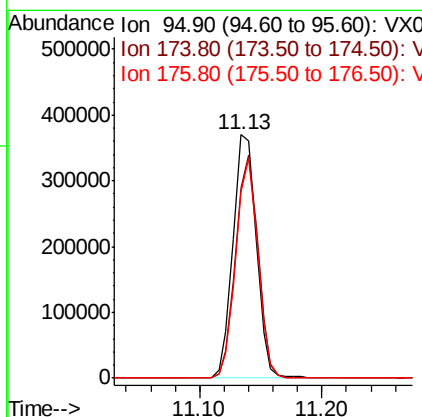
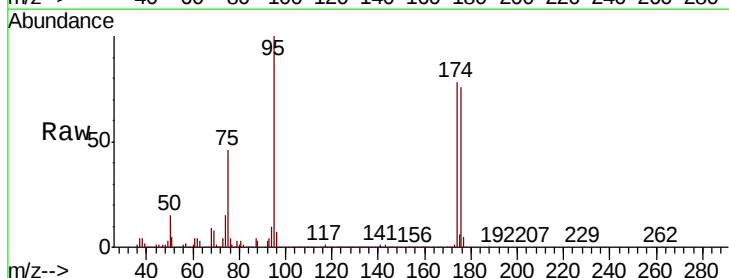
Manual Integrations
APPROVED

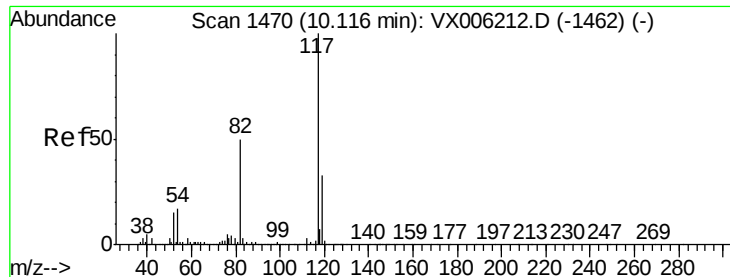
MMDadoda
12/13/2018 11:05:07 AM



#62
4-Bromofluorobenzene
Concen: 49.298 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion: 95 Resp: 486170
Ion Ratio Lower Upper
95 100
174 88.6 0.0 187.0
176 85.5 0.0 181.8





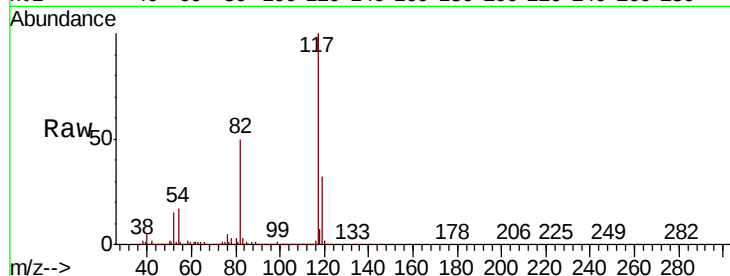
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleID :
B2-121018DL

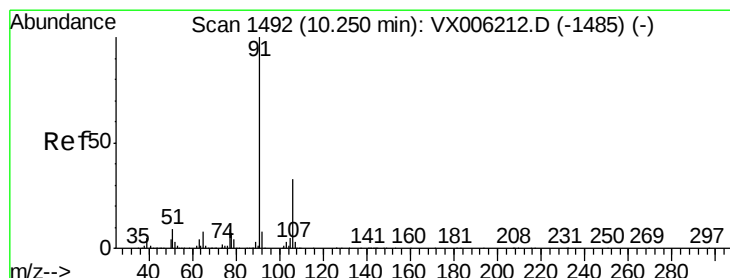
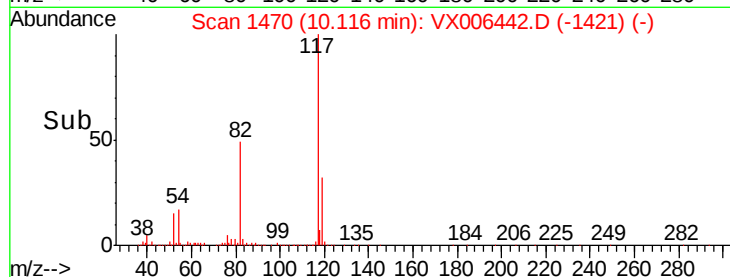
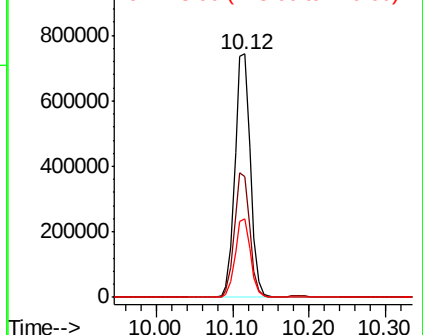
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	39.6	59.4
119	32.2	26.3	39.5

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:07 AM

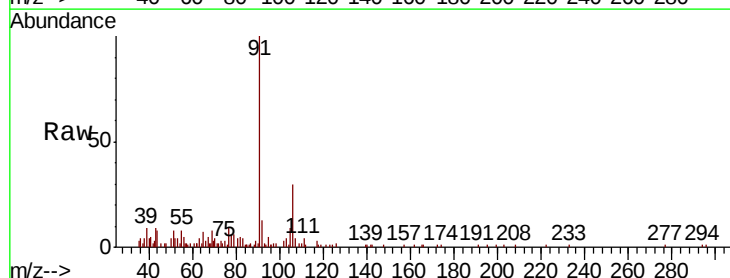


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

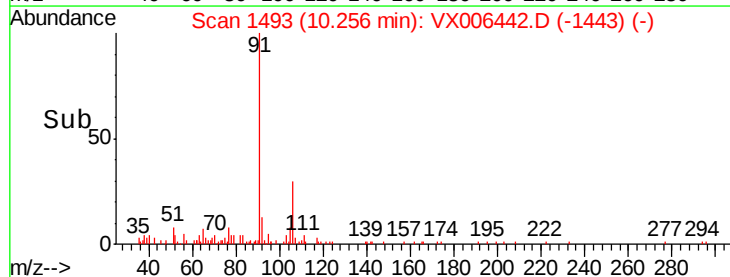
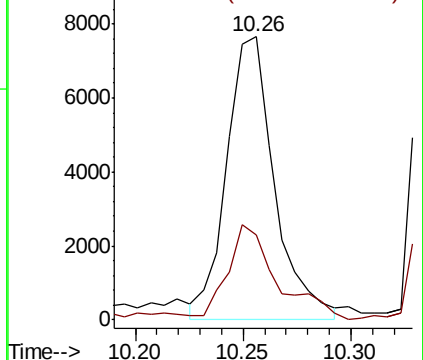


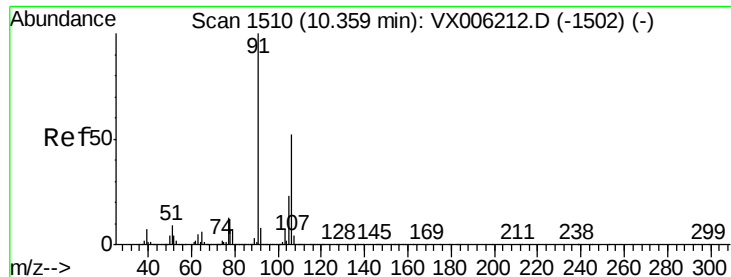
#67
Ethyl Benzene
Concen: 0.325 ug/l m
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	26.5	39.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





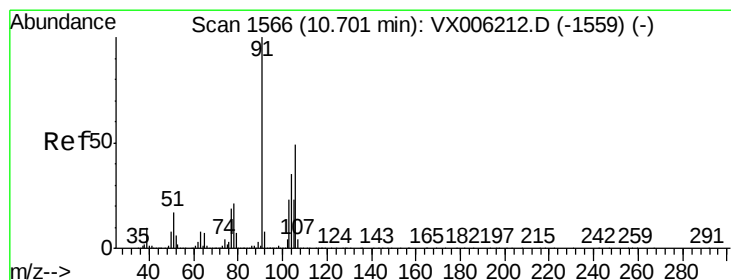
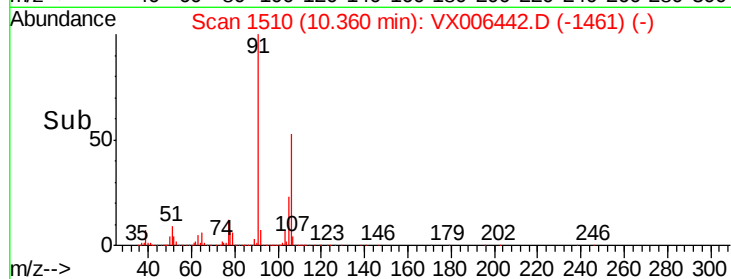
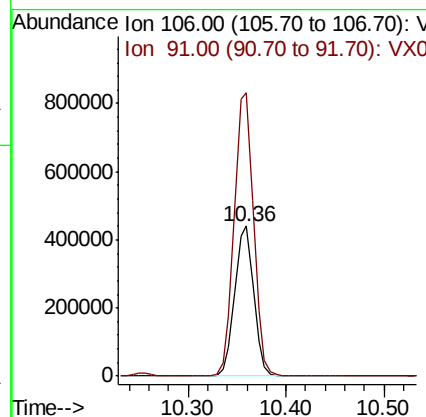
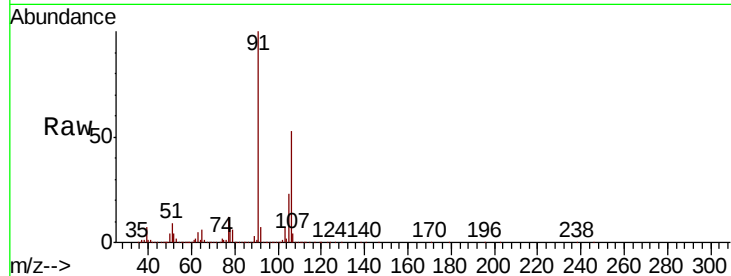
#68
m/p-Xylenes
Concen: 40.612 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	593990		
91	192.8	155.2	232.8	

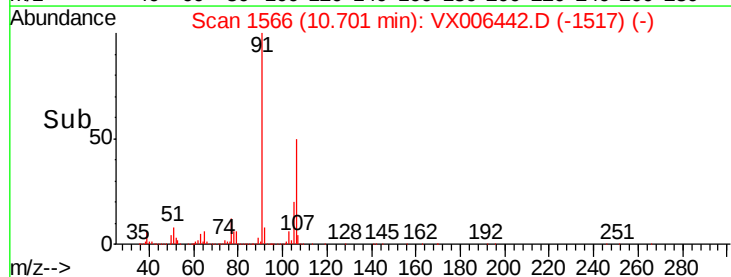
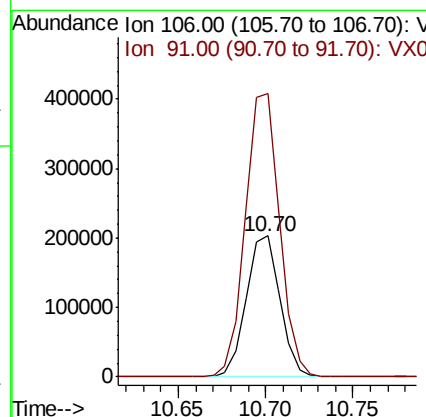
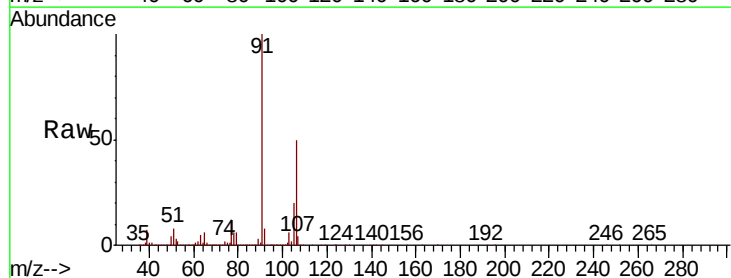
Manual Integrations
APPROVED

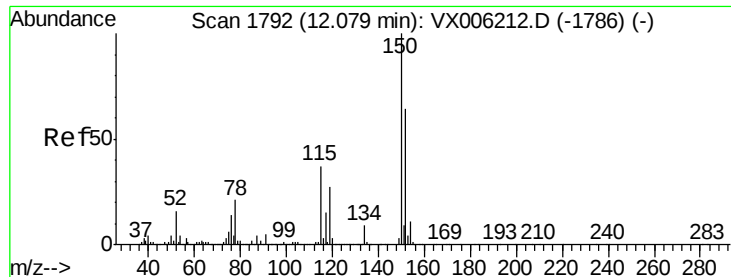
MMDadoda
12/13/2018 11:05:07 AM



#69
o-Xylene
Concen: 18.822 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	271925		
91	204.0	101.8	305.6	





#72

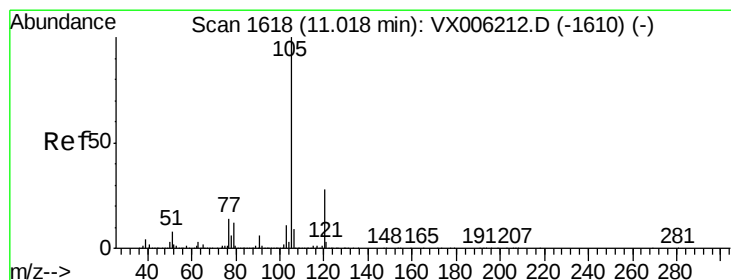
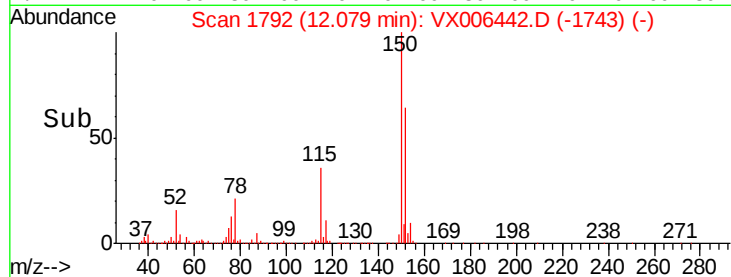
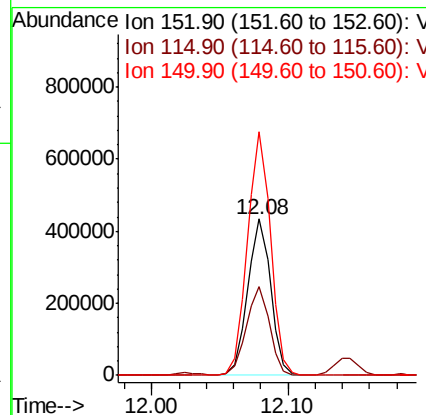
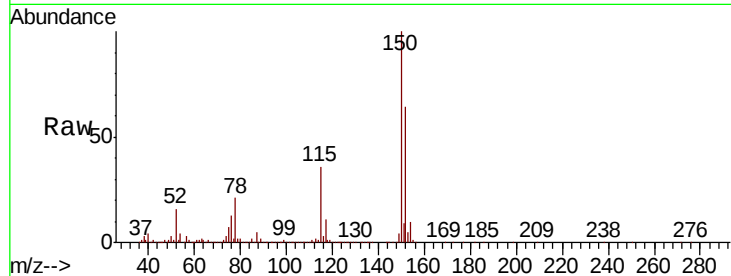
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Instrument :
MSVOA_X
ClientSampleId :
B2-121018DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	39.0	116.9
150	156.4	0.0	345.8

Manual Integrations
APPROVED

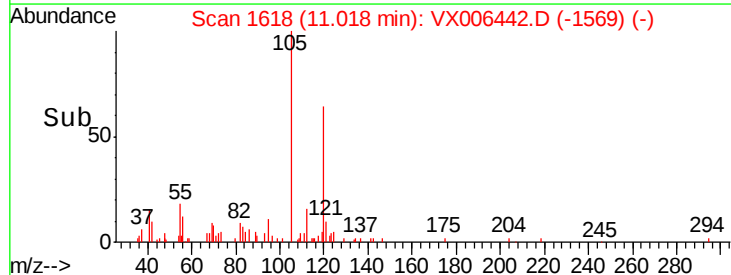
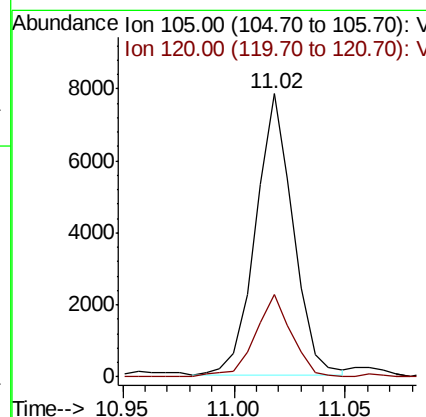
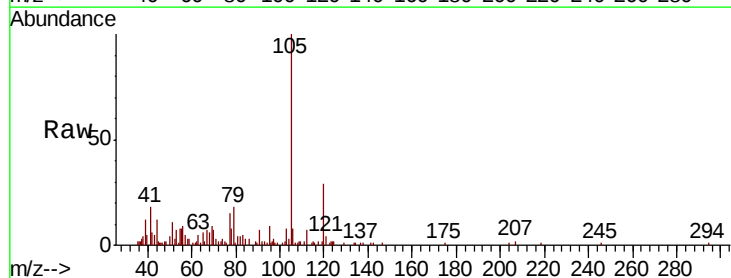
MMDadoda
12/13/2018 11:05:07 AM

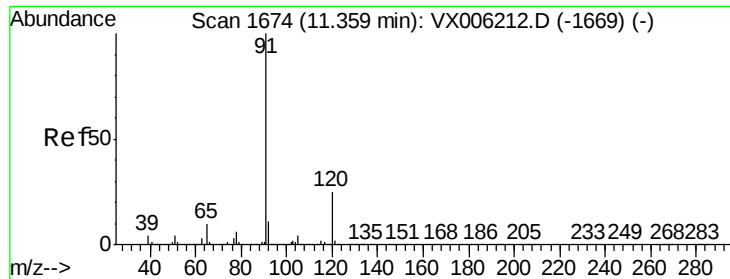


#73

Isopropylbenzene
Concen: 0.257 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX006442.D
Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.9	14.1	42.3





#78

n-propylbenzene

Concen: 0.273 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

B2-121018DL

Tot Ion: 91 Resp: 10724

Ion Ratio Lower Upper

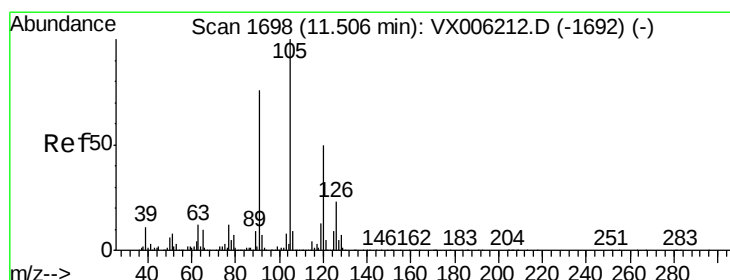
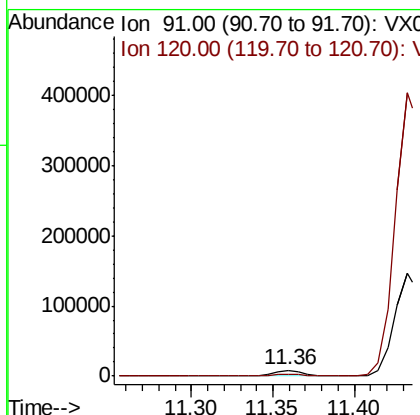
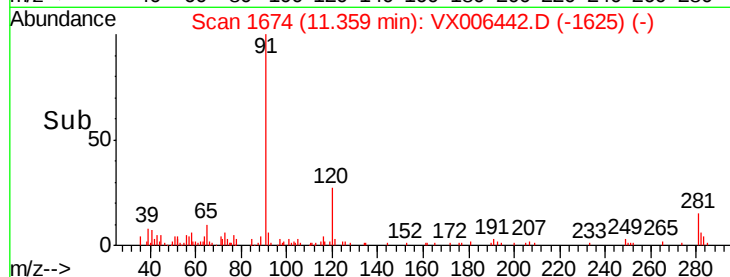
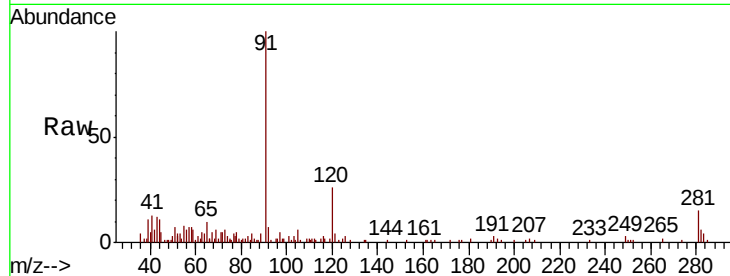
91 100

120 0.0 12.7 38.0#

Manual Integrations
APPROVED

MMDadoda

12/13/2018 11:05:07 AM



#80

1,3,5-Trimethylbenzene

Concen: 38.246 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006442.D

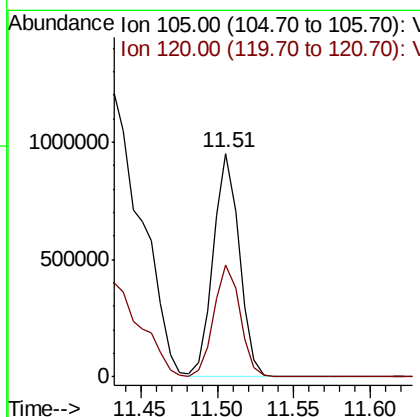
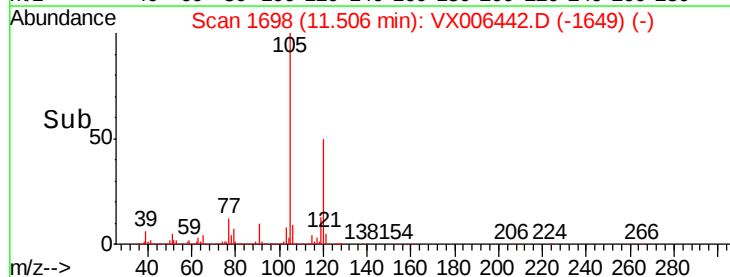
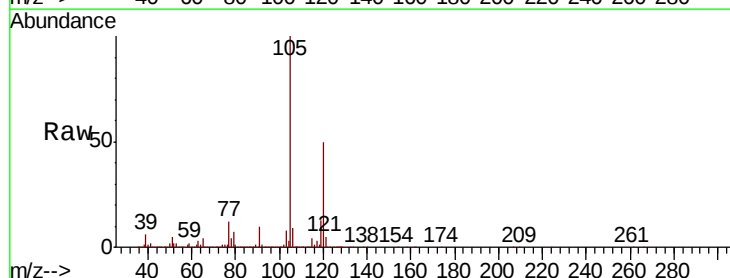
Acq: 12 Dec 2018 13:59

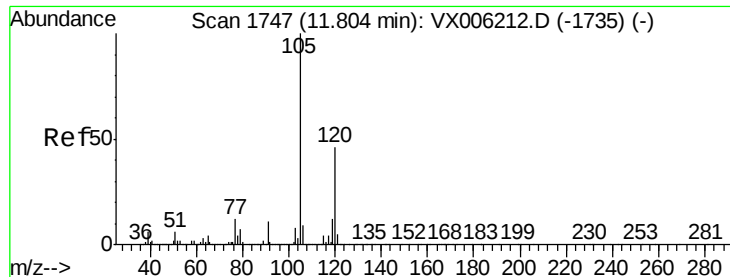
Tgt Ion: 105 Resp: 1125558

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0





#84

1,2,4-Trimethylbenzene

Concen: 114.837 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006442.D

Acq: 12 Dec 2018 13:59

Instrument :

MSVOA_X

ClientSampleId :

B2-121018DL

Tot Ion:105 Resp: 3489783

Ion Ratio Lower Upper

105 100

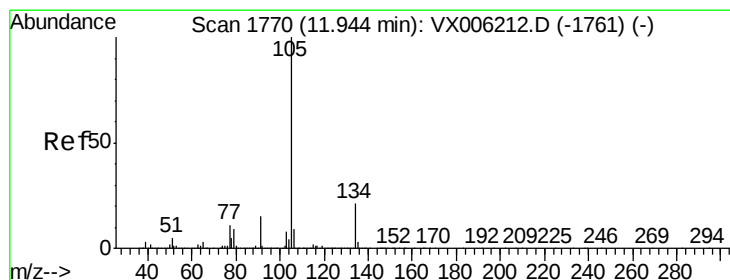
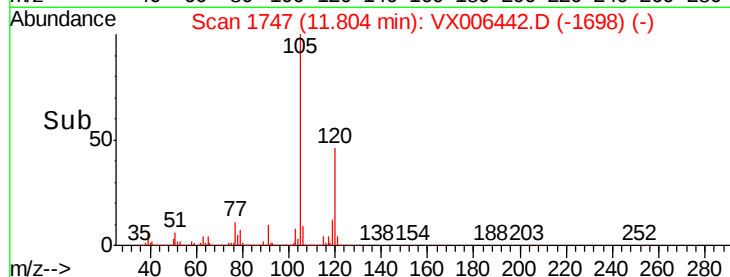
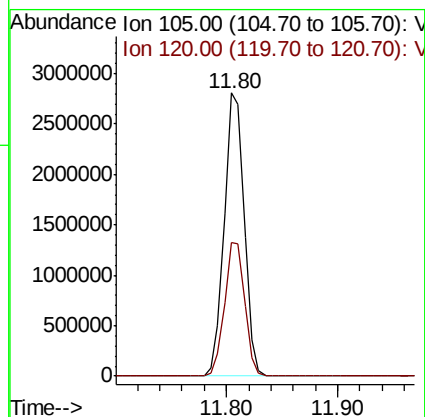
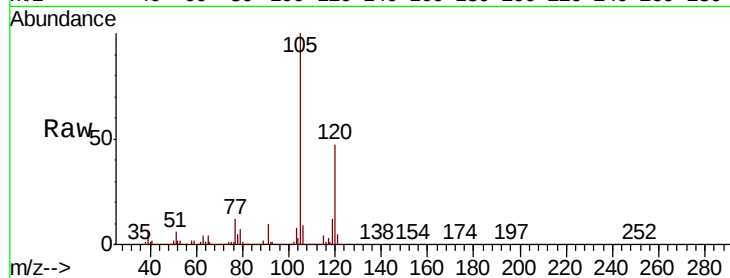
120 47.5 23.4 70.0

Manual Integrations

APPROVED

MMDadoda

12/13/2018 11:05:07 AM



#85

sec-Butylbenzene

Concen: 0.383 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006442.D

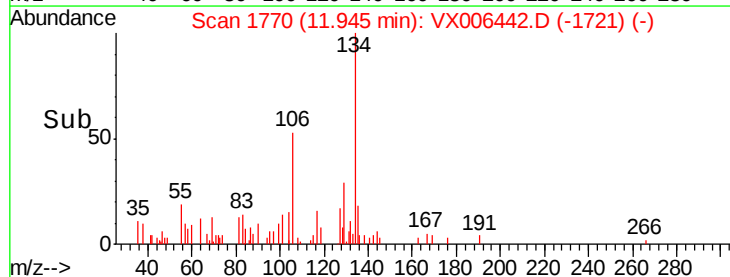
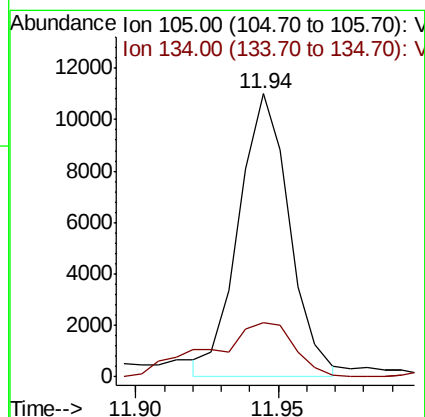
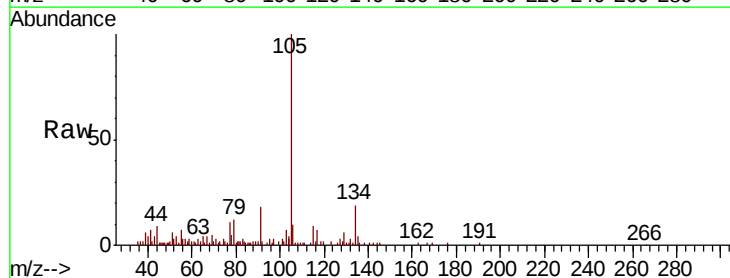
Acq: 12 Dec 2018 13:59

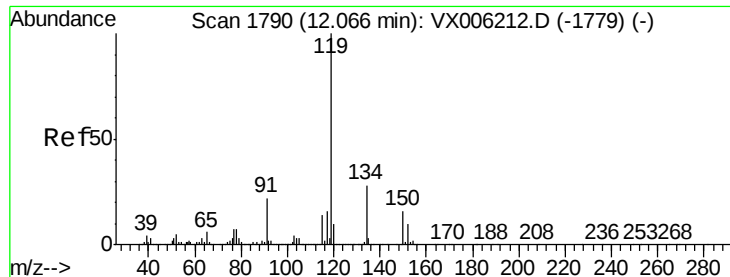
Tgt Ion:105 Resp: 13681

Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.4#





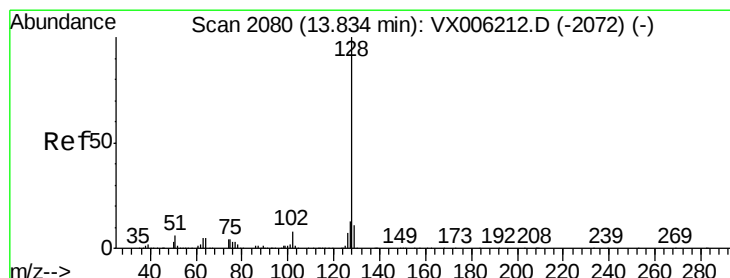
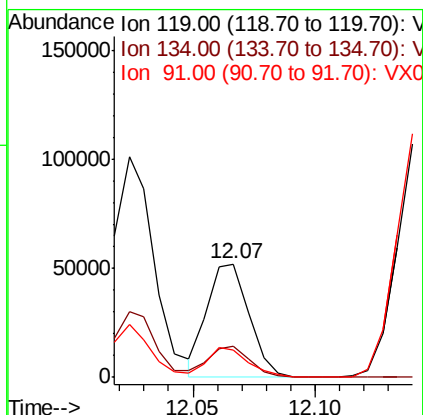
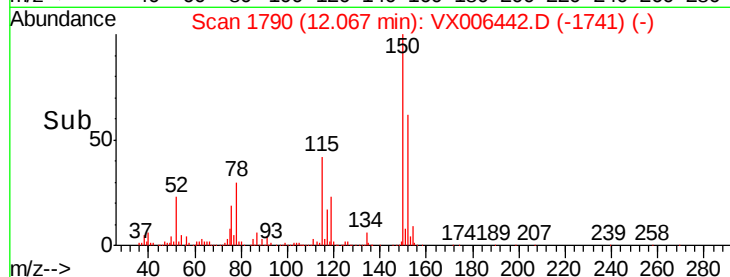
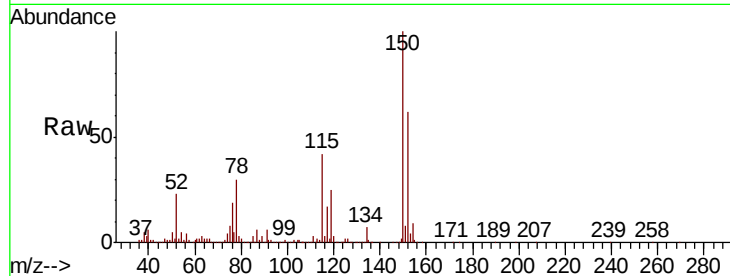
#86
 p-Isopropyltoluene
 Concen: 1.924 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006442.D
 Acq: 12 Dec 2018 13:59

Instrument :
 MSVOA_X
 ClientSampleID :
 B2-121018DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.9	41.6
91	24.7	11.3	33.8

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:07 AM



#95
 Naphthalene
 Concen: 39.590 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX006442.D
 Acq: 12 Dec 2018 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	8.9	13.3

