

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003885.D
 Acq On : 07 Aug 2018 17:26
 Operator : JC/MD
 Sample : J4263-06DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0516DL

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:01:33 PM

Quant Time: Aug 08 09:46:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	301859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	466378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	448801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	203099	50.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.52%	
35) Dibromofluoromethane	5.50	113	170869	48.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.72%	
50) Toluene-d8	8.72	98	677416	49.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	247780	55.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	36368	6.31	ug/l	97
39) Methylcyclohexane	7.46	83	74637	12.12	ug/l	95
40) Benzene	6.15	78	5759	0.37	ug/l #	90
67) Ethyl Benzene	10.26	91	73686	3.85	ug/l	100
68) m/p-Xylenes	10.36	106	13301	1.78	ug/l	96
73) Isopropylbenzene	11.02	105	49150	2.94	ug/l	98
78) n-propylbenzene	11.36	91	83822	4.46	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	898154	65.52	ug/l	100
85) sec-Butylbenzene	11.95	105	21915m	1.38	ug/l	
89) n-Butylbenzene	12.39	91	8421m	0.68	ug/l	
95) Naphthalene	13.83	128	148779	8.84	ug/l	99

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

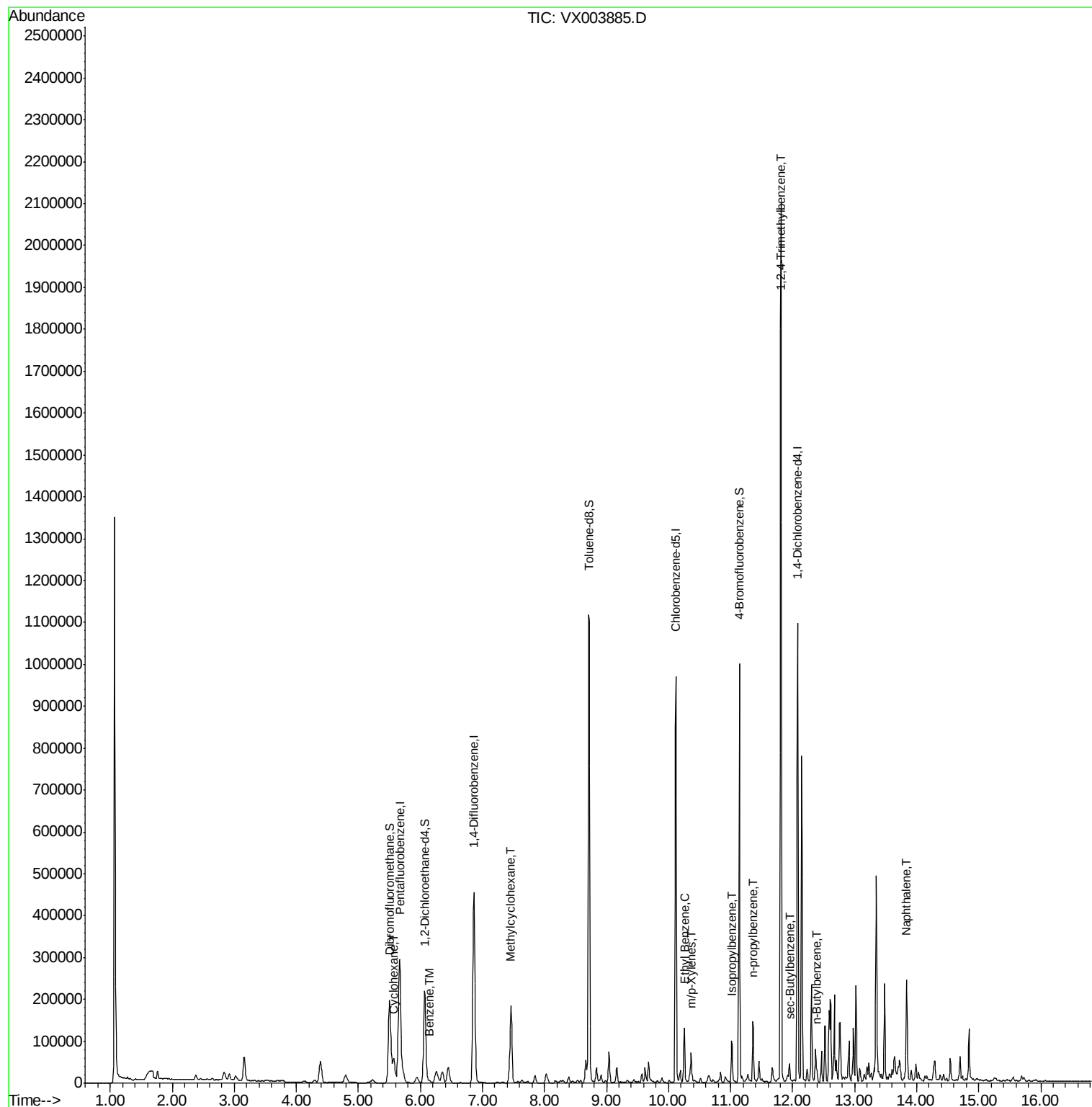
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003885.D
Acq On : 07 Aug 2018 17:26
Operator : JC/MD
Sample : J4263-06DL 4X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

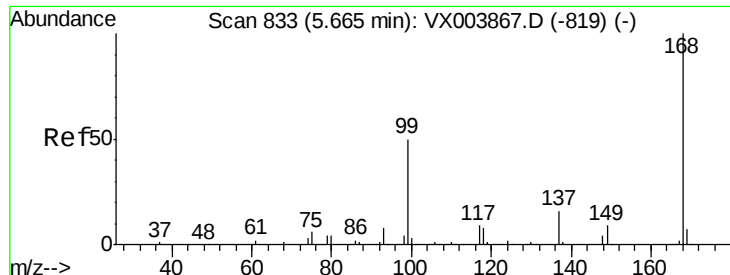
Instrument :
MSVOA_X
ClientSampleId :
FL-0516DL

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:33 PM

Quant Time: Aug 08 09:46:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0516DL

Tot Ion:168 Resp: 301859

Ion Ratio Lower Upper

168 100

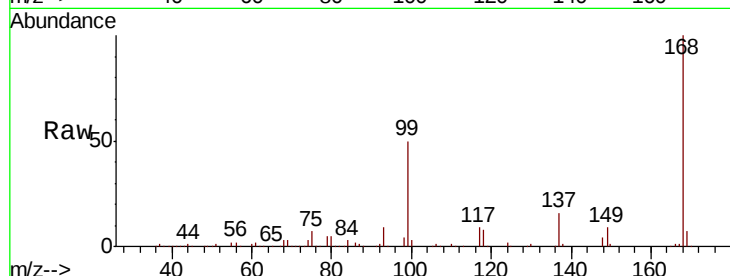
99 49.8 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

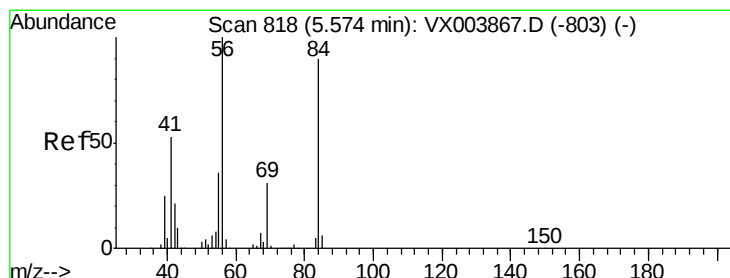
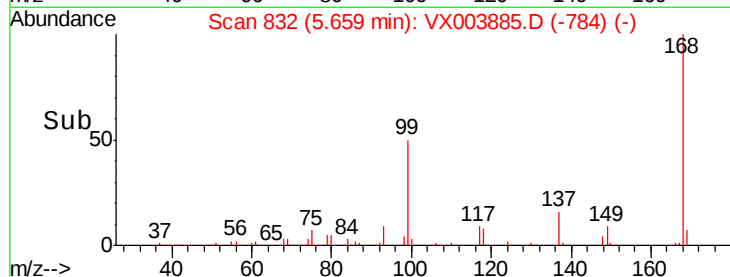
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 6.31 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

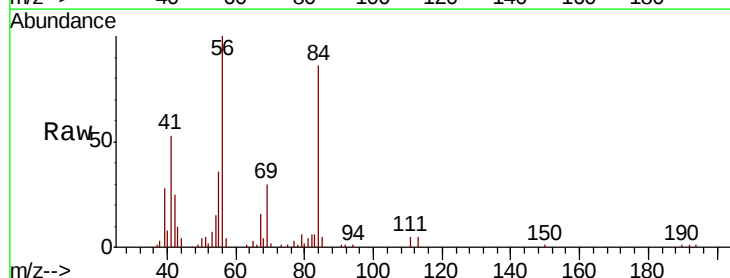
Tgt Ion: 56 Resp: 36368

Ion Ratio Lower Upper

56 100

69 30.2 24.9 37.3

84 85.9 71.7 107.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

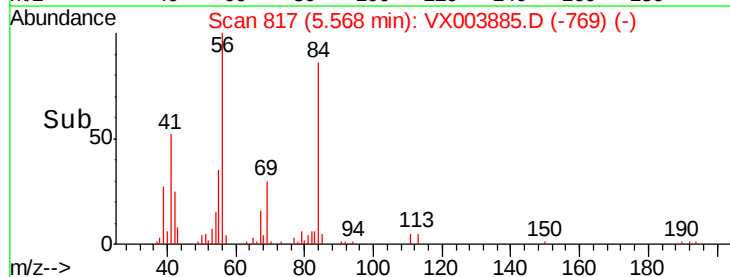
15000

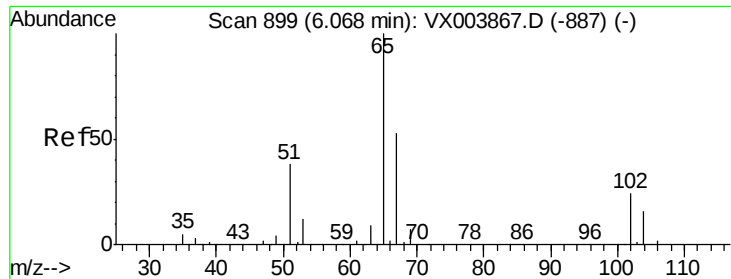
10000

5000

0

Time--> 5.45 5.50 5.55 5.60 5.65





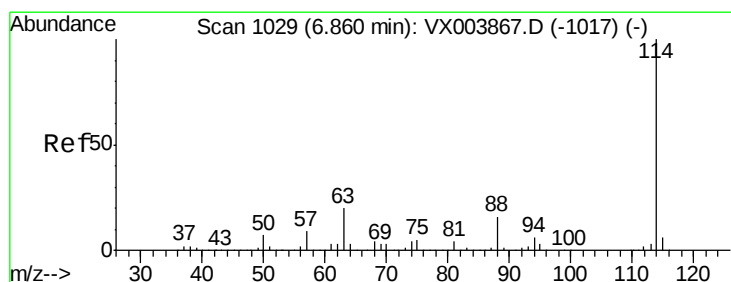
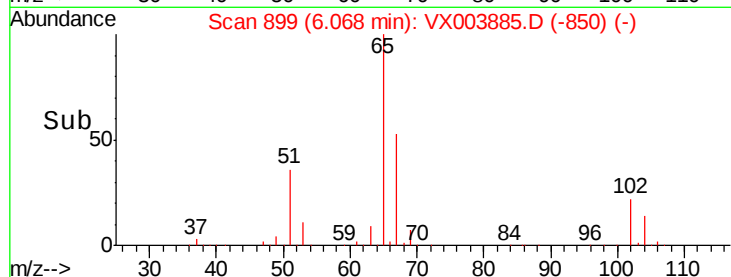
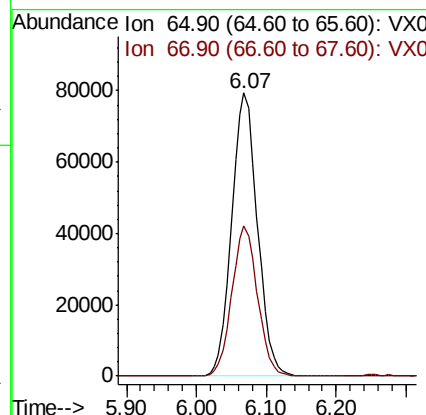
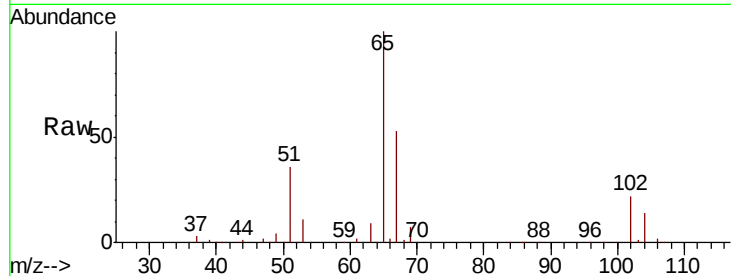
#33
 1,2-Dichloroethane-d4
 Concen: 50.76 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003885.D
 Acq: 07 Aug 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0516DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203099		
67	52.8	0.0	105.8	

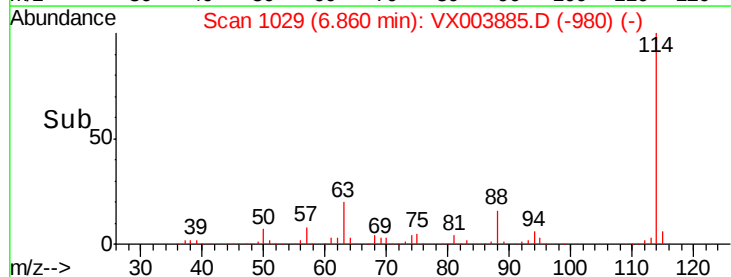
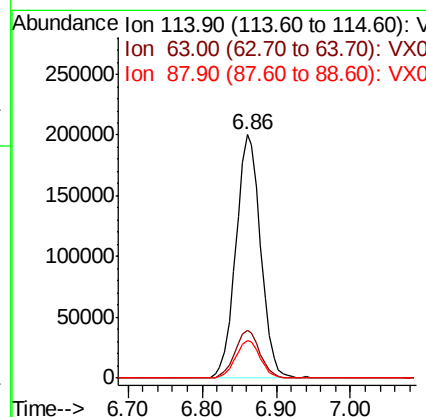
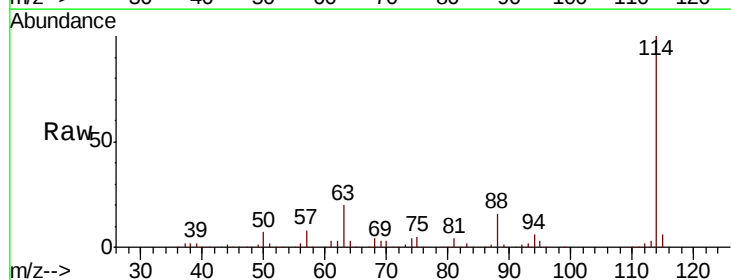
Manual Integrations
 APPROVED

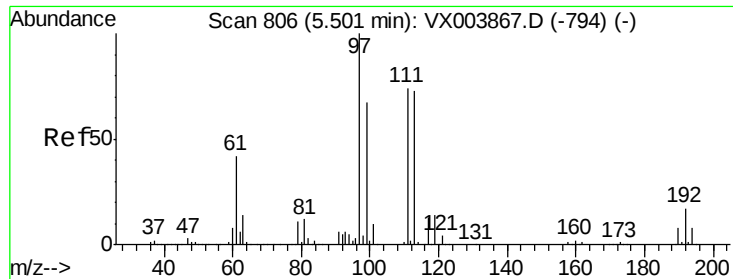
MMDadoda
 8/8/2018 12:01:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003885.D
 Acq: 07 Aug 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466378		
63	19.8	0.0	39.0	
88	15.7	0.0	32.0	





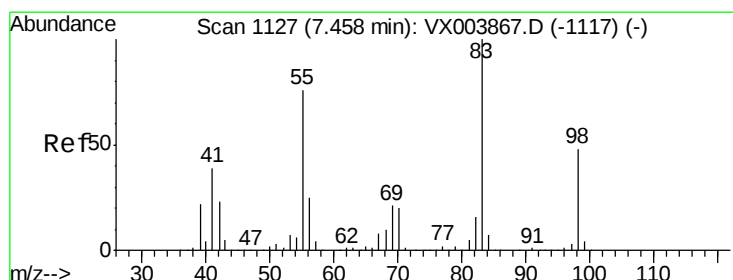
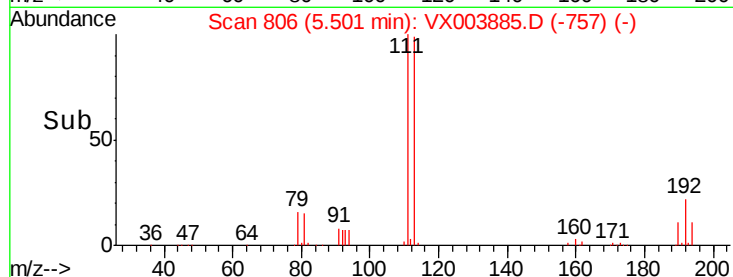
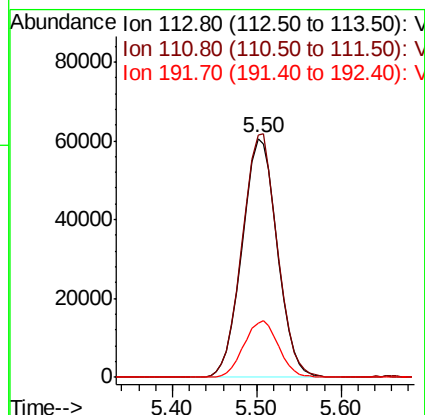
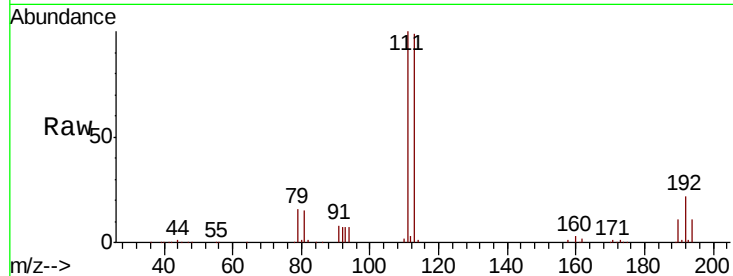
#35
Dibromofluoromethane
Concen: 48.36 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003885.D
Acq: 07 Aug 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0516DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170869		
111	101.9	82.0	123.0	
192	23.4	19.0	28.4	

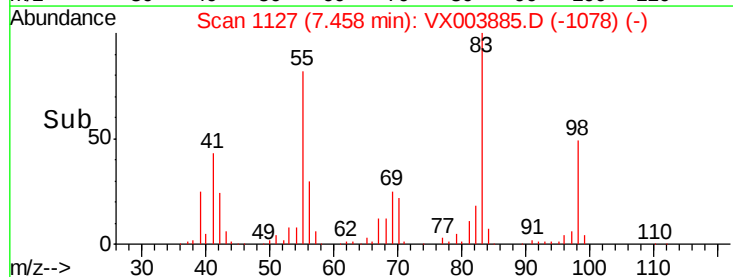
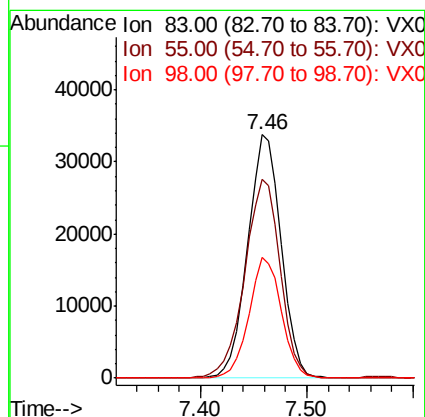
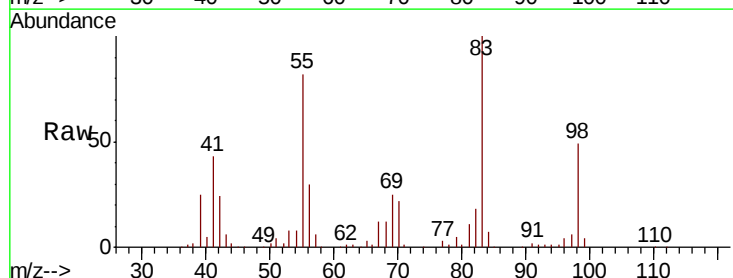
Manual Integrations
APPROVED

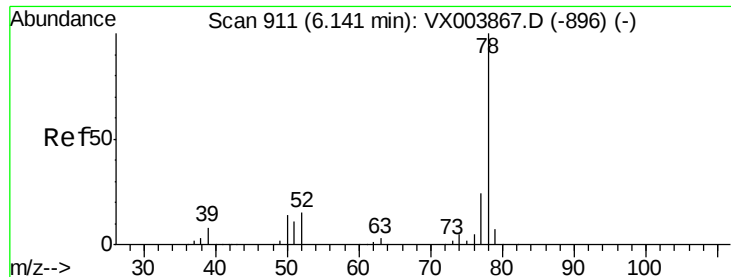
MMDadoda
8/8/2018 12:01:33 PM



#39
Methylcyclohexane
Concen: 12.12 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003885.D
Acq: 07 Aug 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	74637		
55	81.7	61.0	91.6	
98	49.4	38.6	57.8	





#40

Benzene

Concen: 0.37 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0516DL

Tot Ion: 78 Resp: 5759

Ion Ratio Lower Upper

78 100

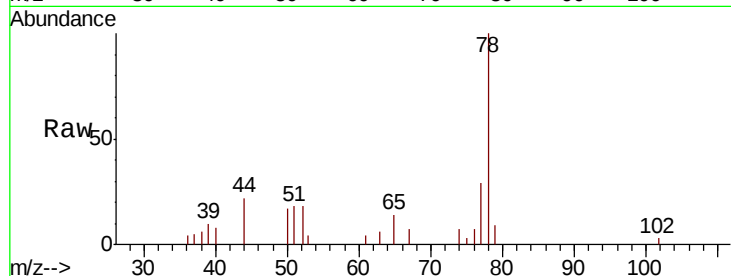
77 28.6 19.0 28.4#

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:33 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

2500

2000

1500

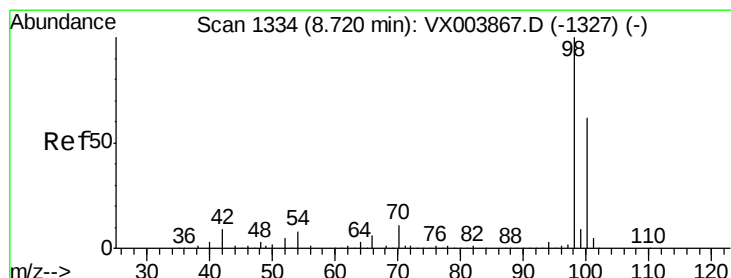
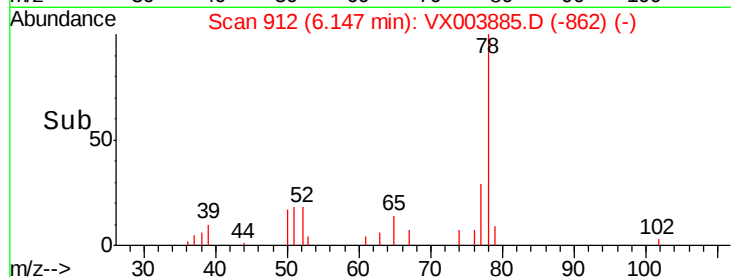
1000

500

0

6.05 6.10 6.15 6.20

Time-->



#50

Toluene-d8

Concen: 49.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003885.D

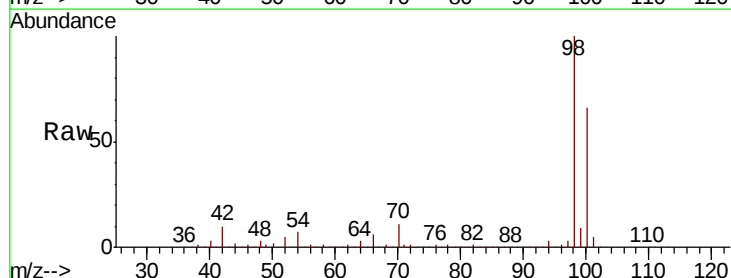
Acq: 07 Aug 2018 17:26

Tgt Ion: 98 Resp: 677416

Ion Ratio Lower Upper

98 100

100 65.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

500000

400000

300000

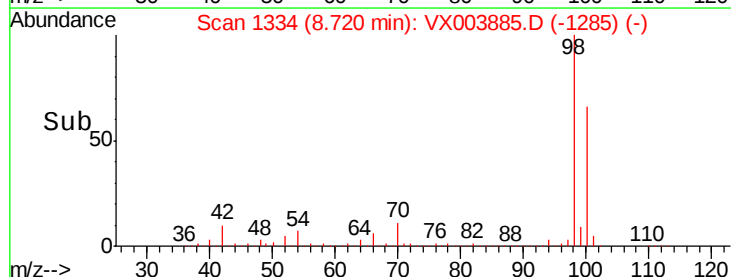
200000

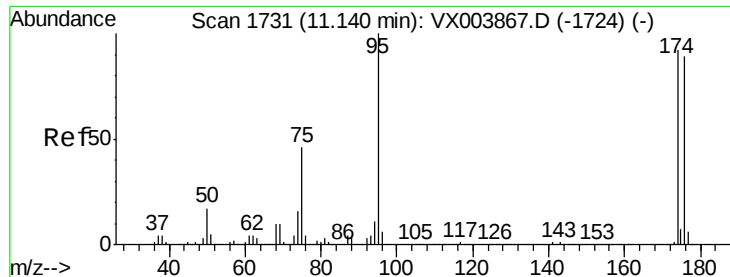
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 55.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampled :

FL-0516DL

Tot Ion: 95 Resp: 247780

Ion Ratio Lower Upper

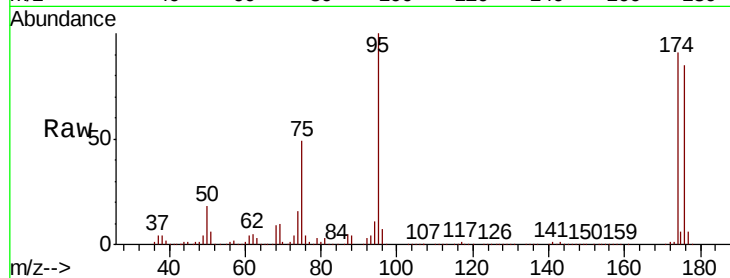
95 100

174 89.3 0.0 182.8

176 85.1 0.0 179.0

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:33 PM



Abundance Ion 94.90 (94.60 to 95.60): VX003867.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003867.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003867.D (-1724) (-)

11.14

250000

200000

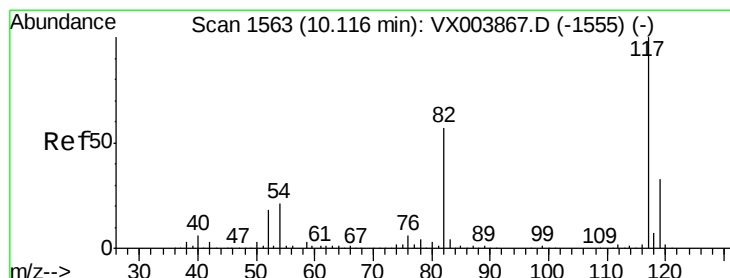
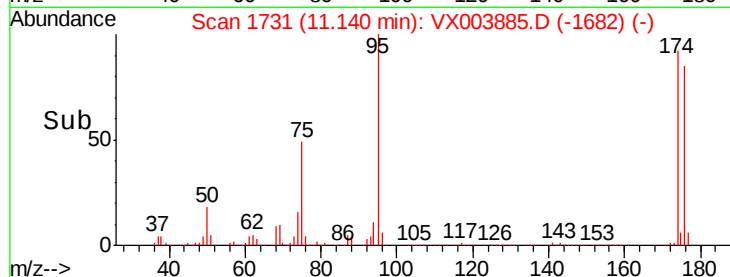
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

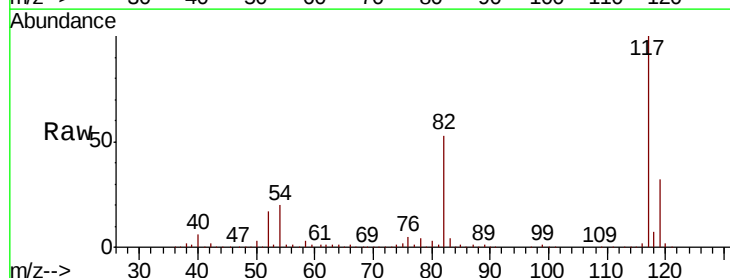
Tgt Ion: 117 Resp: 448801

Ion Ratio Lower Upper

117 100

82 53.1 45.4 68.0

119 32.3 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VX003867.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX003867.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX003867.D (-1555) (-)

10.12

400000

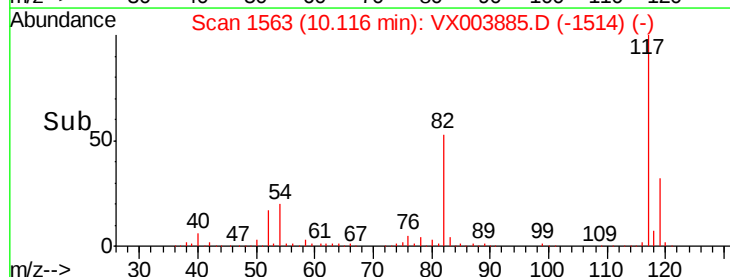
300000

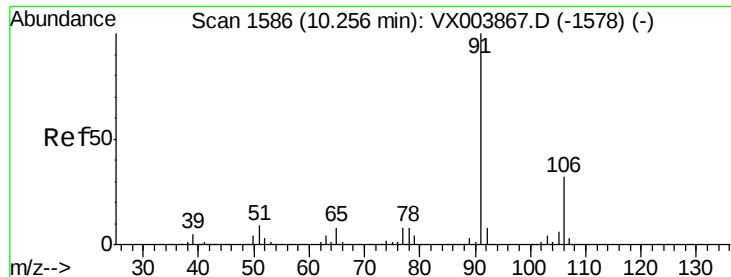
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 3.85 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampled :

FL-0516DL

Tot Ion: 91 Resp: 73686

Ion Ratio Lower Upper

91 100

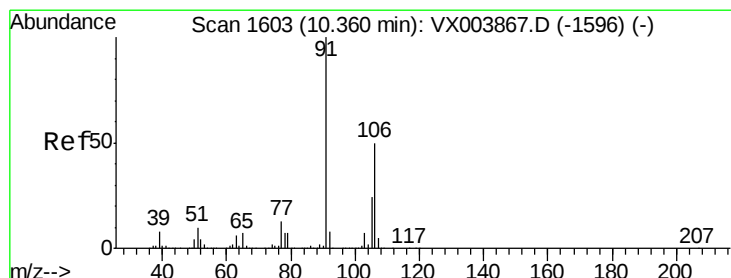
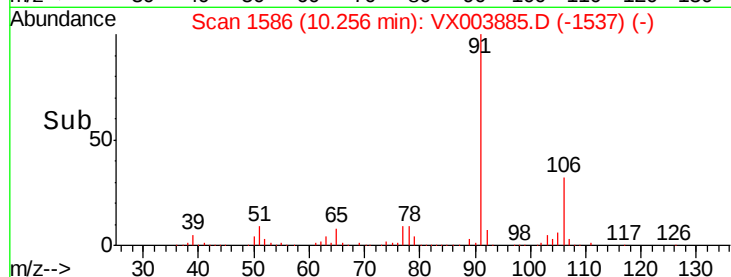
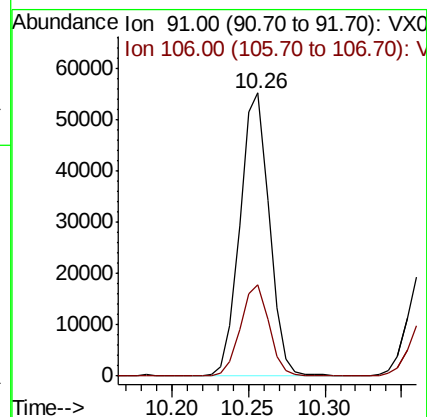
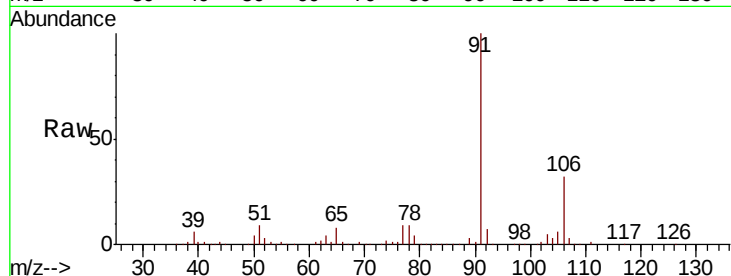
106 32.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:33 PM



#68

m/p-Xylenes

Concen: 1.78 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003885.D

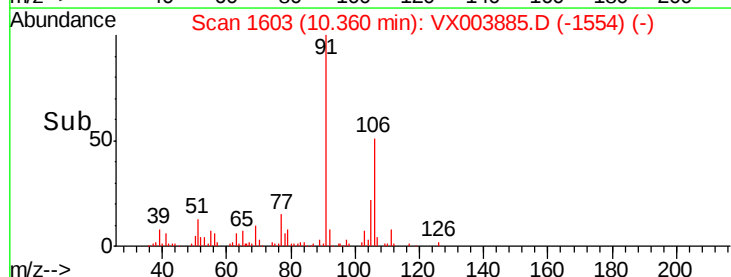
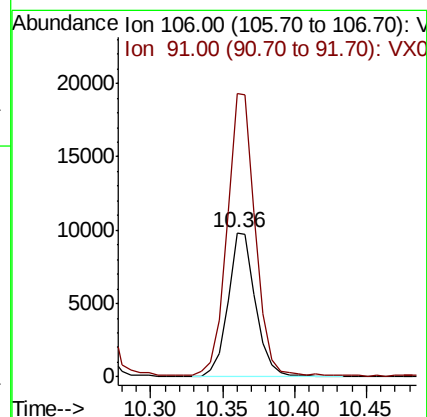
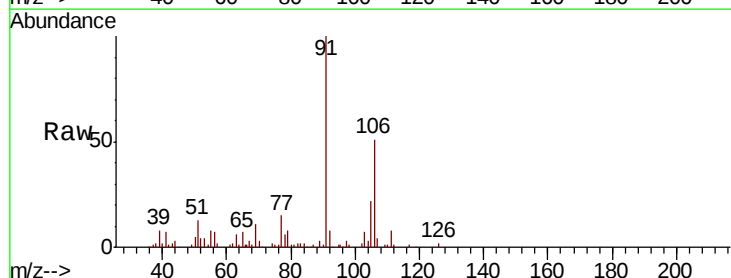
Acq: 07 Aug 2018 17:26

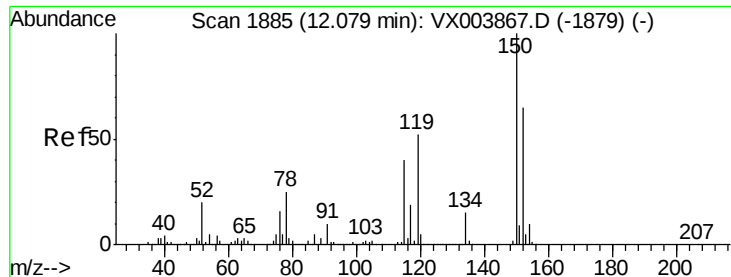
Tgt Ion: 106 Resp: 13301

Ion Ratio Lower Upper

106 100

91 197.3 162.3 243.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

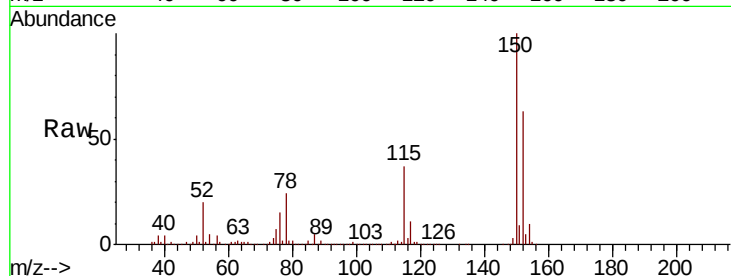
ClientSampled :

FL-0516DL

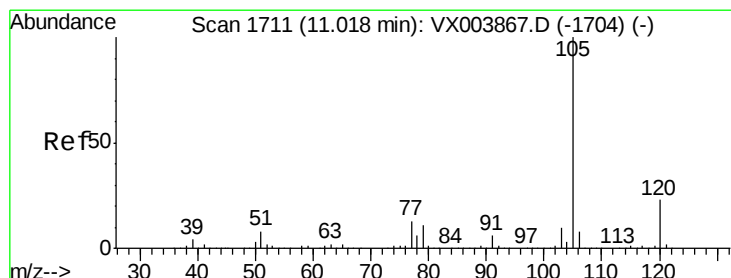
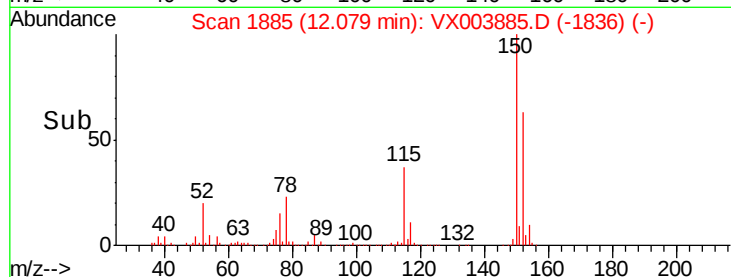
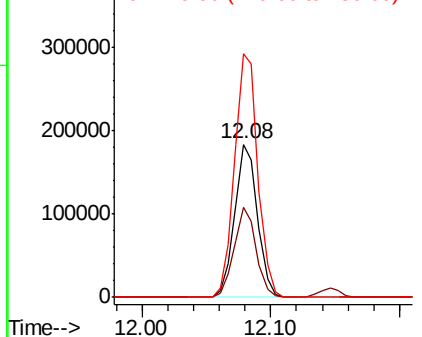
Tot Ion:	152	Resp:	226025
Ion Ratio	Lower	Upper	
152	100		
115	57.0	39.1	117.3
150	162.7	0.0	349.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:33 PM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.94 ug/l

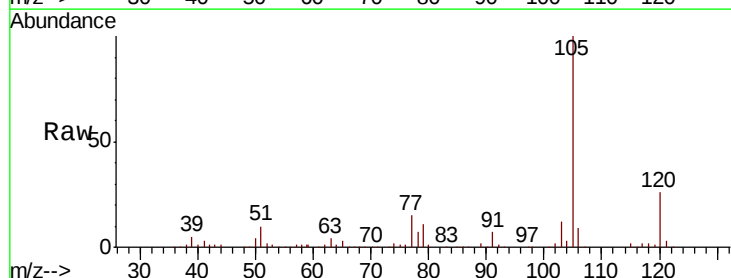
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

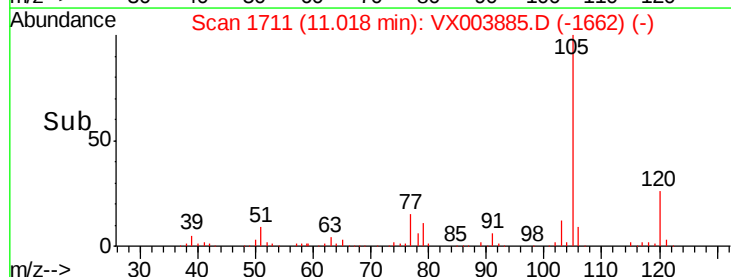
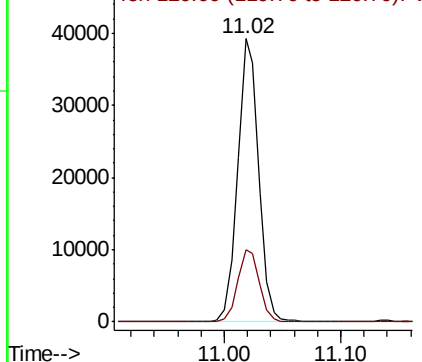
Lab File: VX003885.D

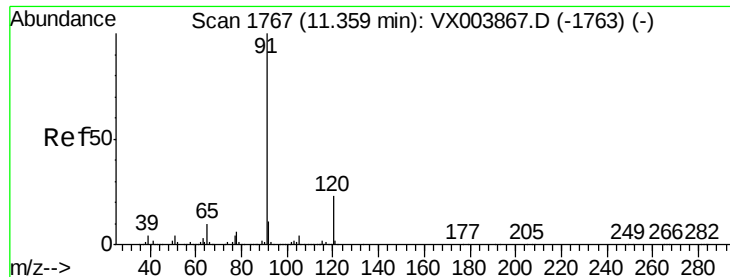
Acq: 07 Aug 2018 17:26

Tgt Ion:	105	Resp:	49150
Ion Ratio	Lower	Upper	
105	100		
120	26.3	12.6	37.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.46 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0516DL

Tot Ion: 91 Resp: 83822

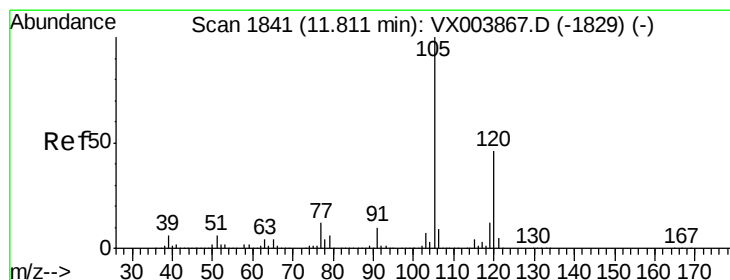
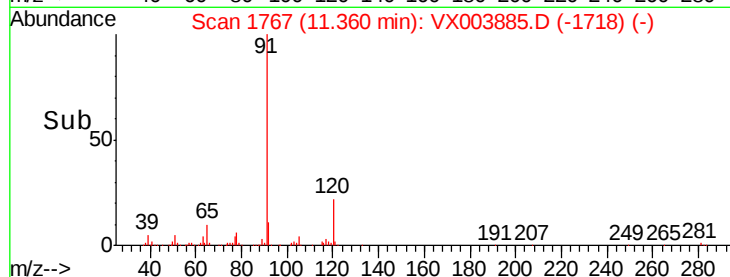
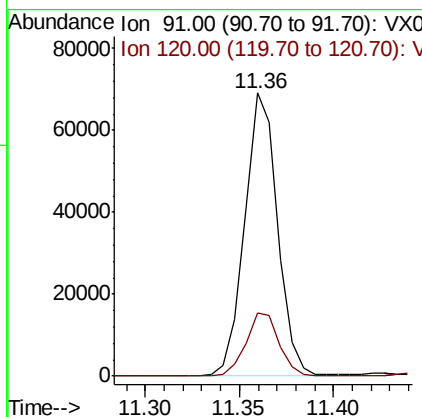
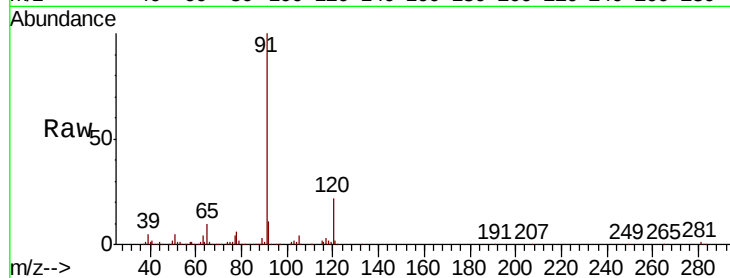
Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.5

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:33 PM



#84

1,2,4-Trimethylbenzene

Concen: 65.52 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003885.D

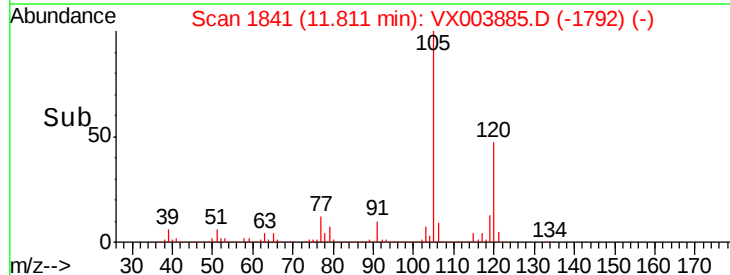
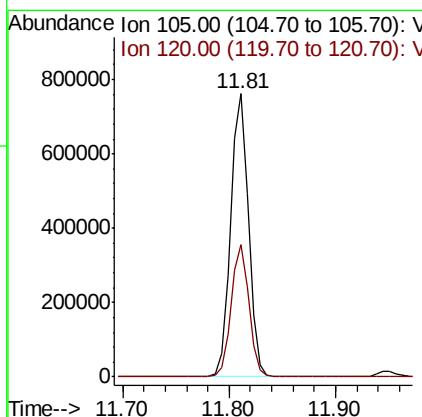
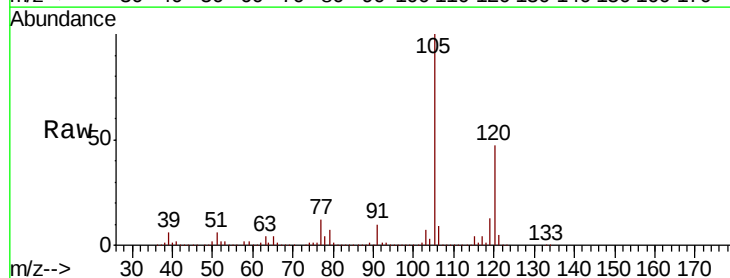
Acq: 07 Aug 2018 17:26

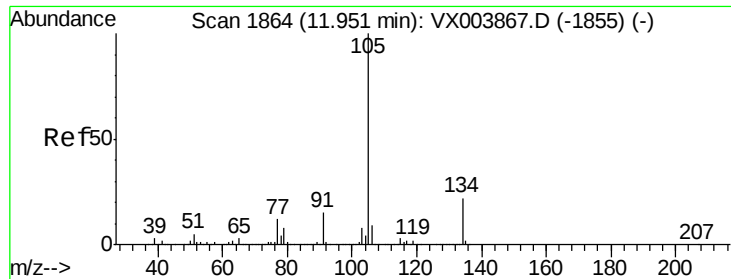
Tgt Ion: 105 Resp: 898154

Ion Ratio Lower Upper

105 100

120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.38 ug/l m

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0516DL

Tot Ion:105 Resp: 21915

Ion Ratio Lower Upper

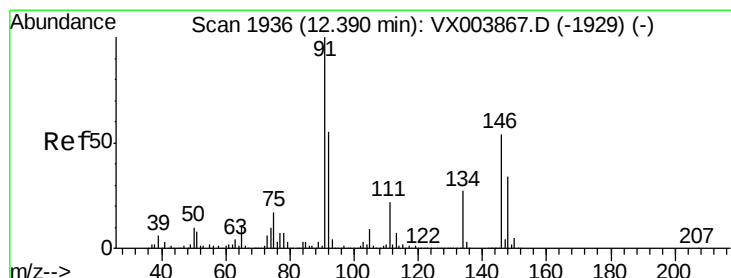
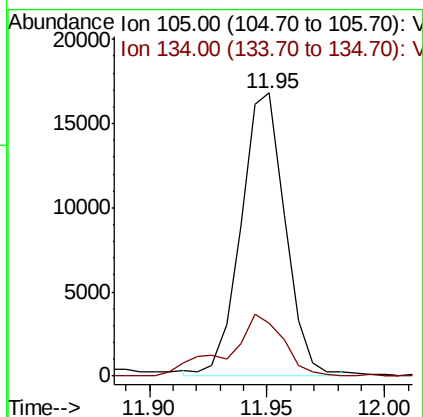
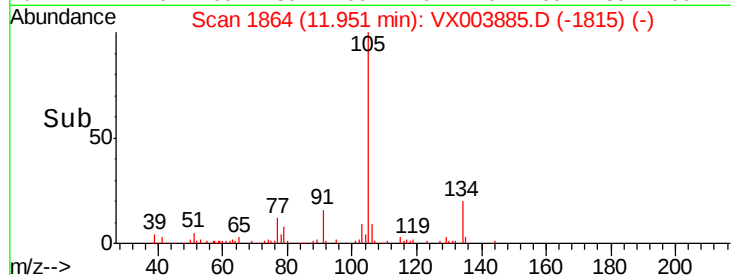
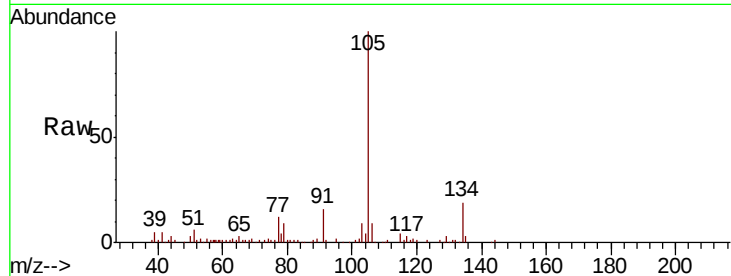
105 100

134 3.3 10.3 30.9#

Manual Integrations
APPROVED

MMDadoda

8/8/2018 12:01:33 PM



#89

n-Butylbenzene

Concen: 0.68 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003885.D

Acq: 07 Aug 2018 17:26

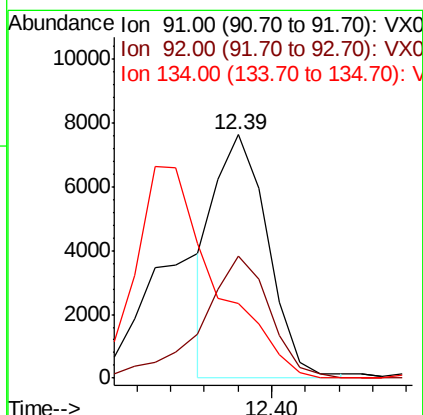
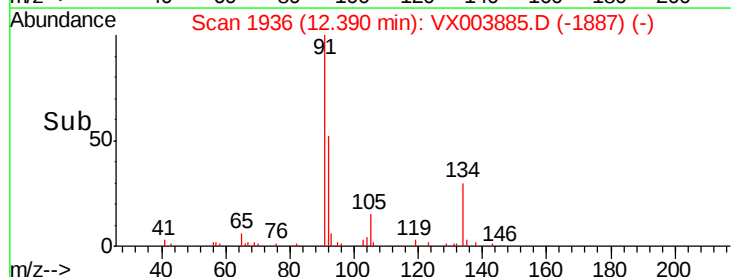
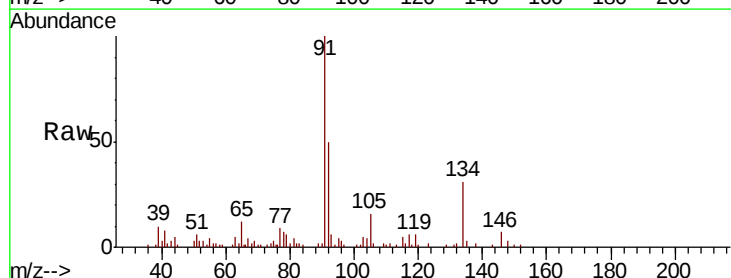
Tgt Ion: 91 Resp: 8421

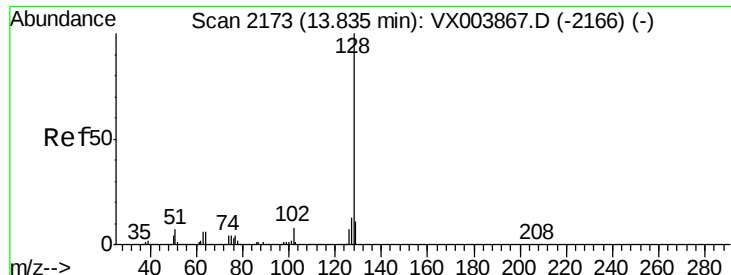
Ion Ratio Lower Upper

91 100

92 63.8 27.1 81.3

134 0.0 13.6 40.7#





#95
Naphthalene
Concen: 8.84 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003885.D
Acq: 07 Aug 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0516DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:33 PM

