

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003943.D
 Acq On : 09 Aug 2018 11:57
 Operator : JC/MD
 Sample : J4387-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:55:29 AM

Quant Time: Aug 10 12:36:45 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	5.67	168	361957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	548633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	509333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	288913	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	230776	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.51	113	200916	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.72	98	768188	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.14	95	278559	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	62560	9.05	ug/l	98
39) Methylcyclohexane	7.46	83	55291	7.63	ug/l	99
52) Toluene	8.79	92	41087	3.52	ug/l	98
67) Ethyl Benzene	10.26	91	436473	20.12	ug/l	98
68) m/p-Xylenes	10.36	106	621373	73.30	ug/l	97
69) o-Xylene	10.70	106	408491	51.05	ug/l	97
73) Isopropylbenzene	11.02	105	53163	2.49	ug/l	96
78) n-propylbenzene	11.36	91	64272	2.68	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	95768	5.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	287471	16.41	ug/l	98
95) Naphthalene	13.83	128	110146	5.12	ug/l	100

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

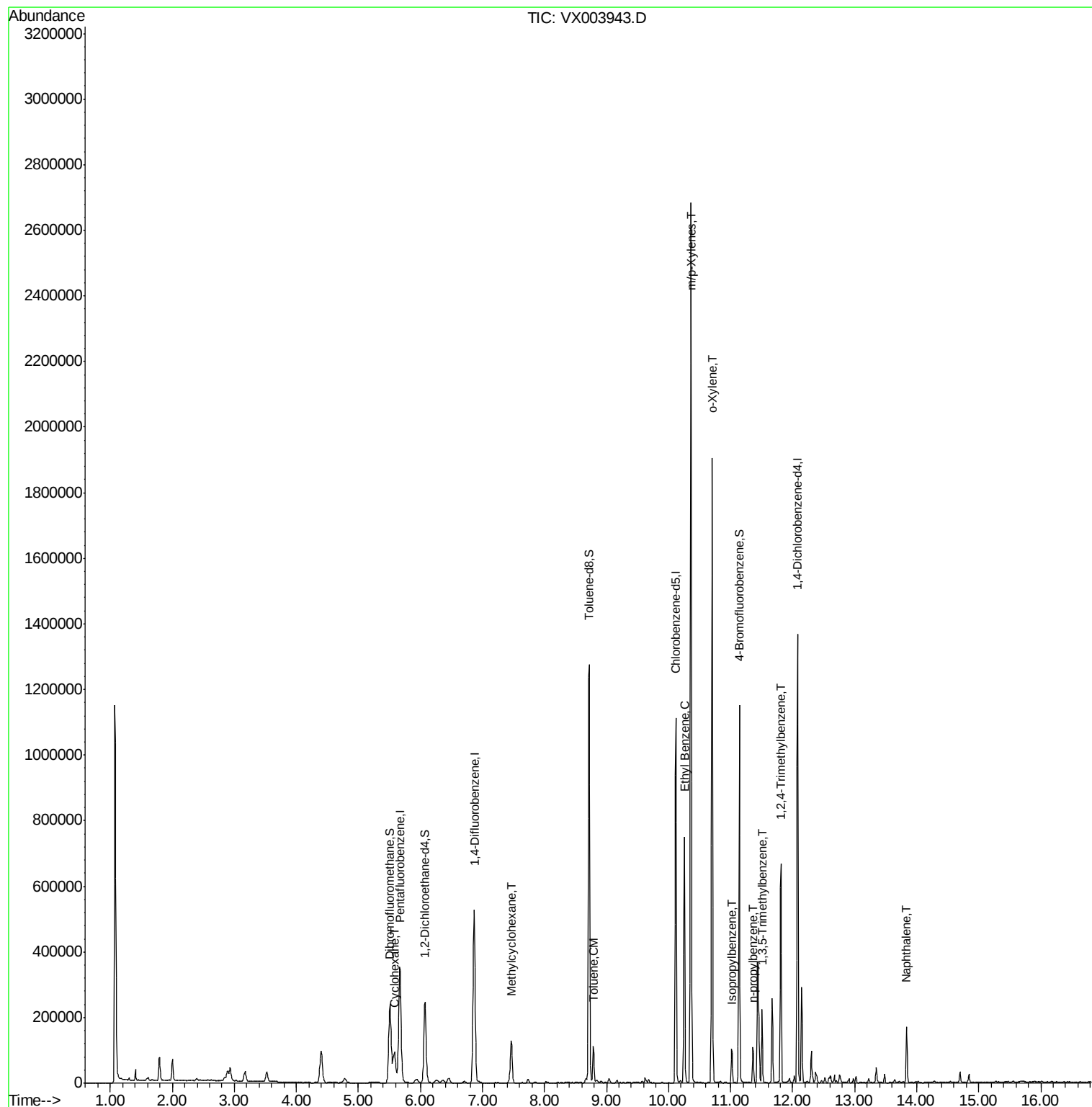
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080918\
Data File : VX003943.D
Acq On : 09 Aug 2018 11:57
Operator : JC/MD
Sample : J4387-04DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

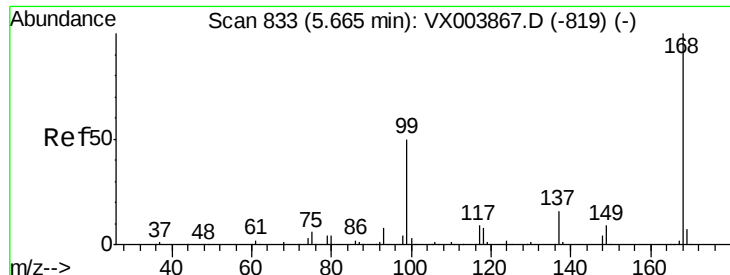
Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:55:29 AM

Quant Time: Aug 10 12:36:45 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: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleID :

FL-0554DL

Tot Ion:168 Resp: 361957

Ion Ratio Lower Upper

168 100

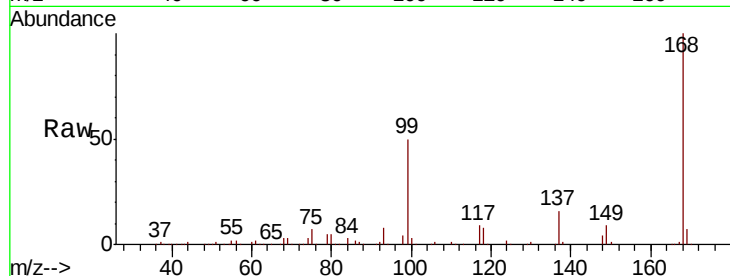
99 49.8 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:55:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

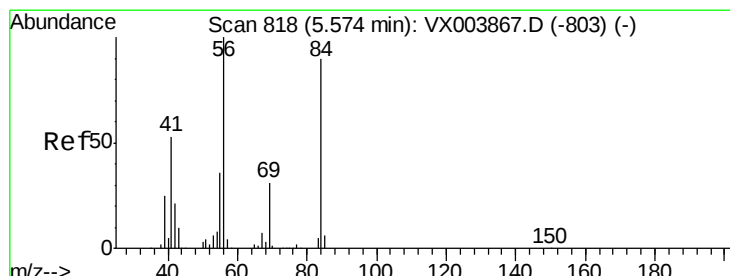
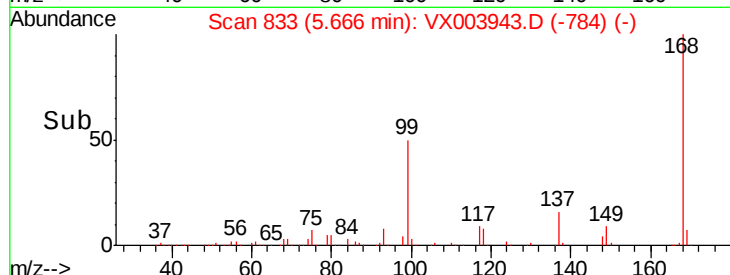
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 9.05 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

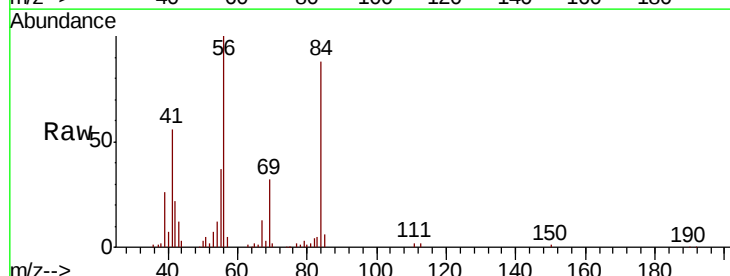
Tgt Ion: 56 Resp: 62560

Ion Ratio Lower Upper

56 100

69 31.7 24.9 37.3

84 87.7 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

25000

20000

15000

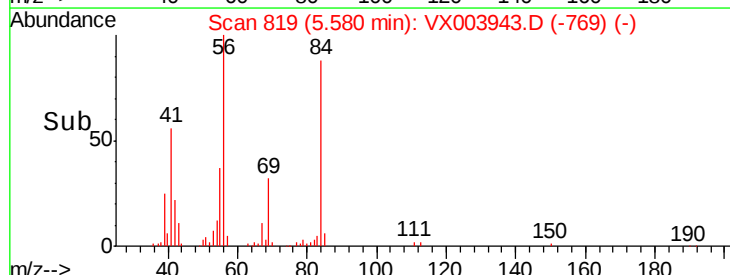
10000

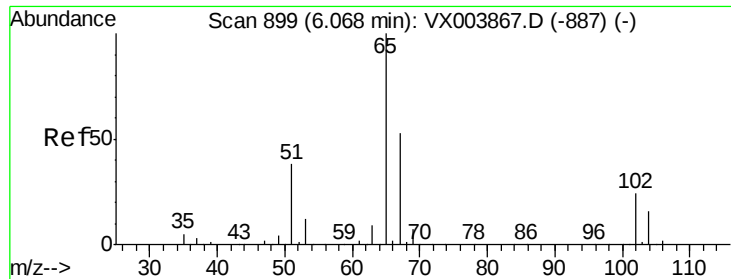
5000

0

Time-->

5.50 5.55 5.60 5.65 5.70





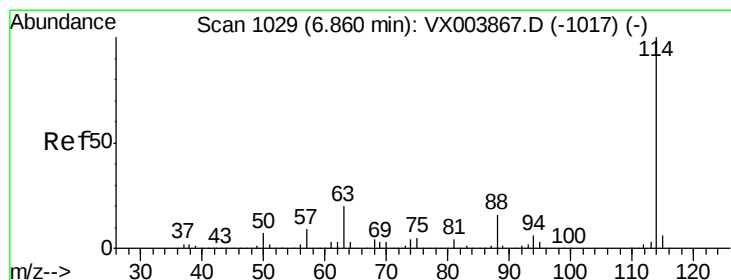
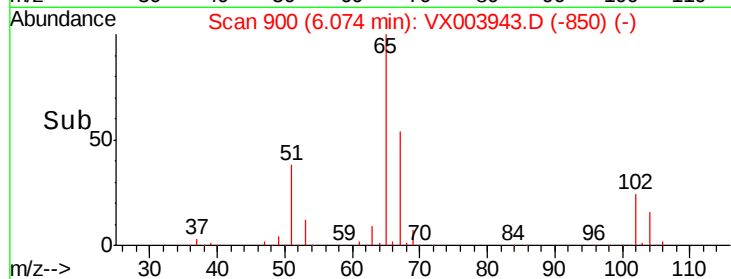
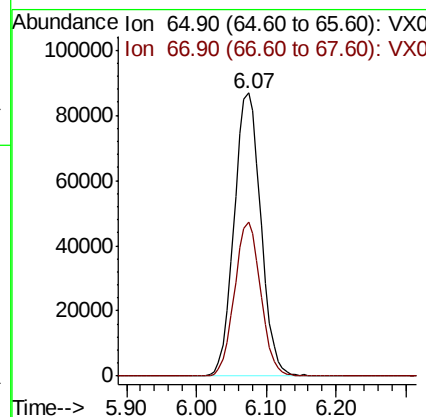
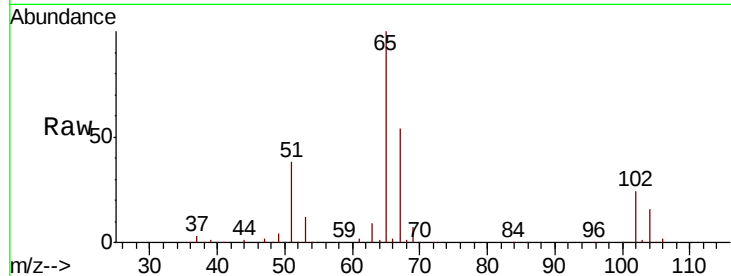
#33
 1,2-Dichloroethane-d4
 Concen: 48.10 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0554DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230776		
67	53.5	0.0	105.8	

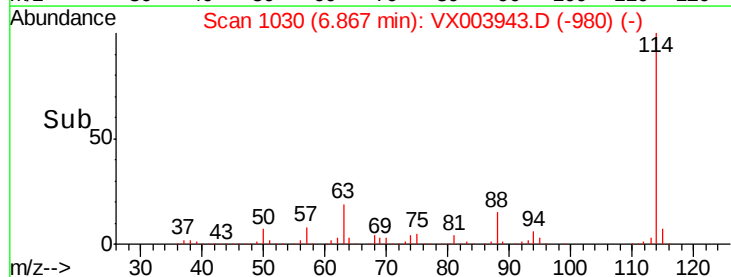
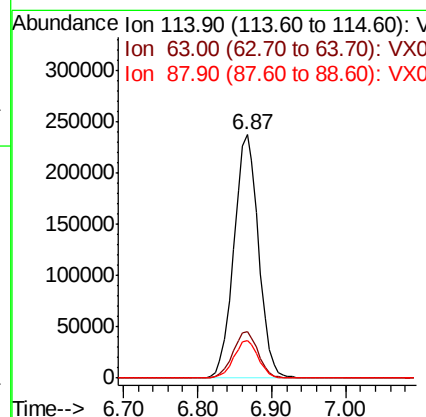
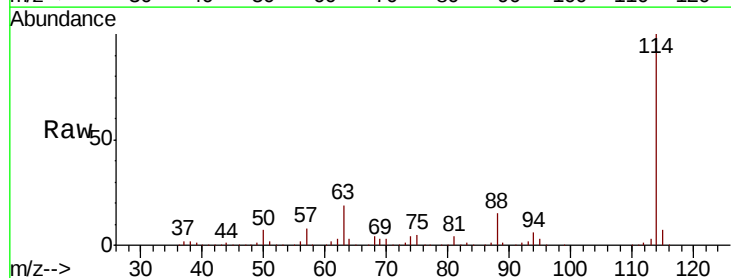
Manual Integrations
 APPROVED

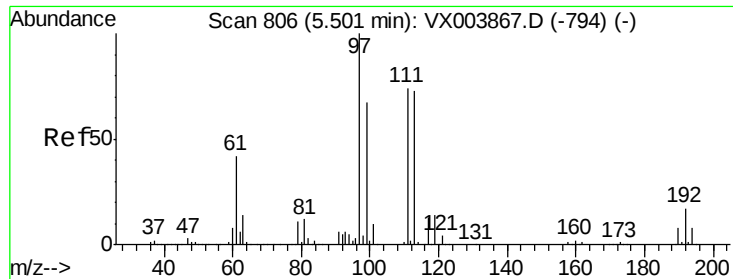
MMDadoda
 8/10/2018 10:55:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	548633		
63	19.0	0.0	39.0	
88	15.4	0.0	32.0	





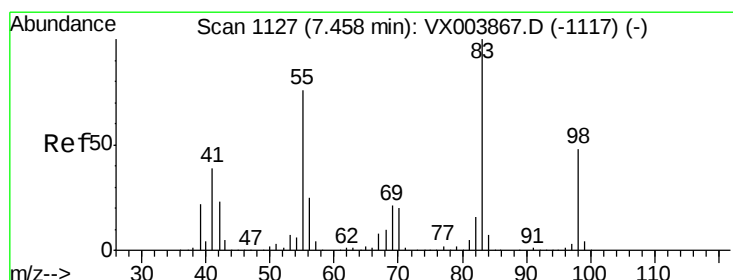
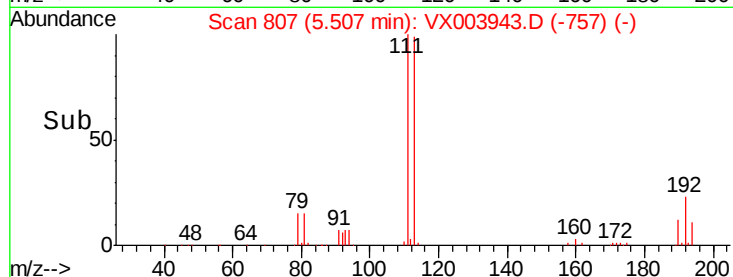
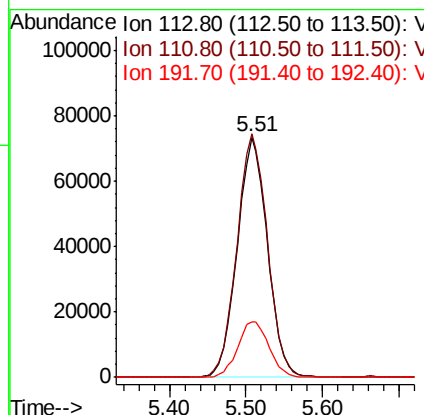
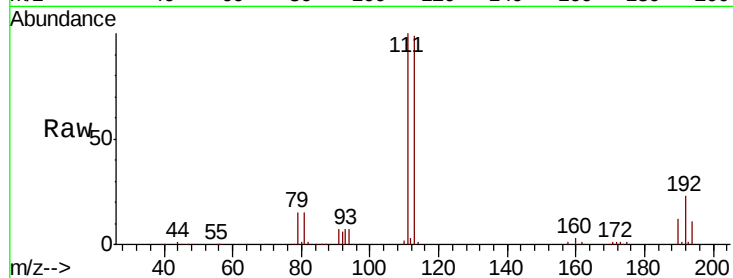
#35
 Dibromofluoromethane
 Concen: 48.34 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0554DL

Tot Ion:	113	Resp:	200916
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.0	123.0
192	23.9	19.0	28.4

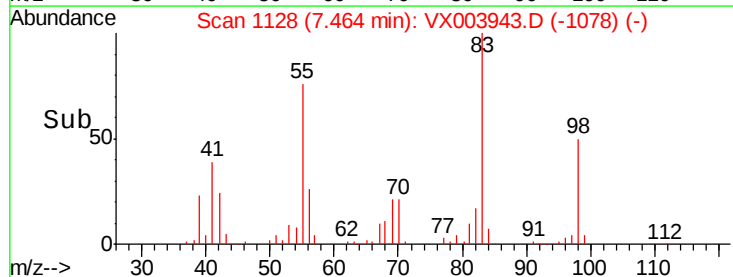
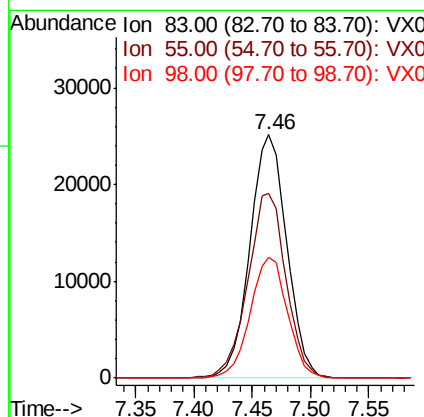
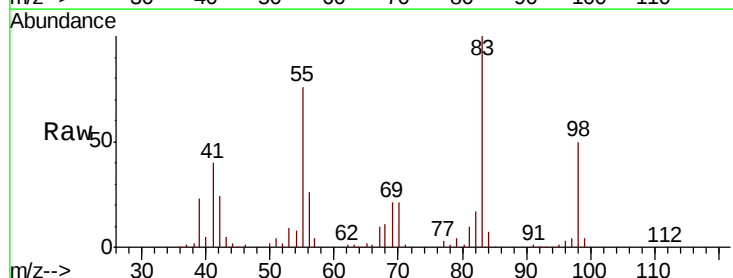
Manual Integrations
 APPROVED

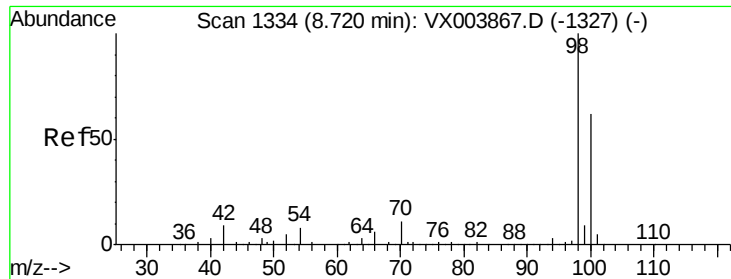
MMDadoda
 8/10/2018 10:55:29 AM



#39
 Methylcyclohexane
 Concen: 7.63 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Tgt Ion:	83	Resp:	55291
Ion Ratio	Lower	Upper	
83	100		
55	76.0	61.0	91.6
98	49.7	38.6	57.8





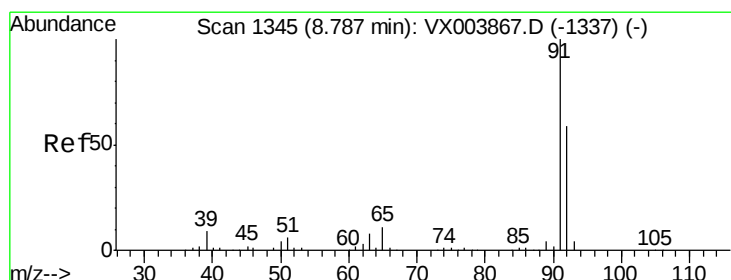
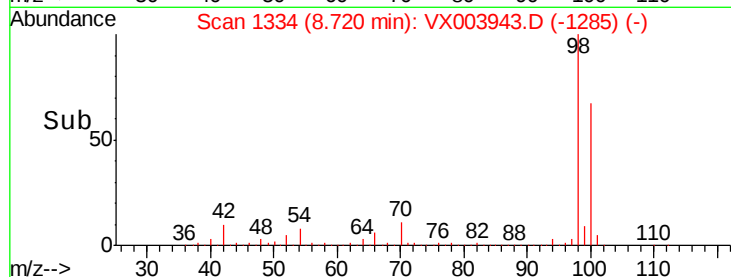
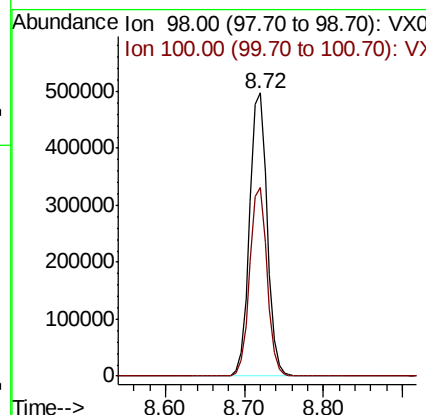
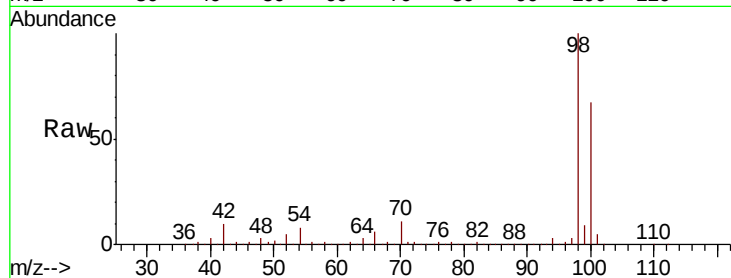
#50
Toluene-d8
Concen: 47.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

Tot Ion: 98 Resp: 768188
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9

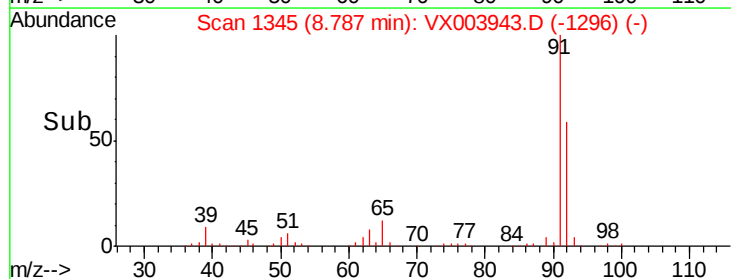
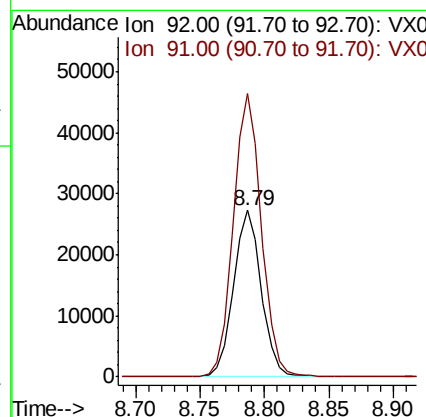
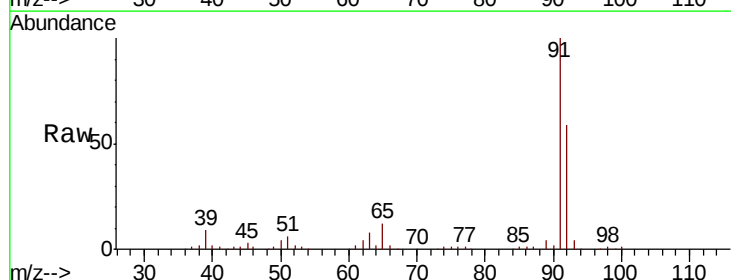
Manual Integrations
APPROVED

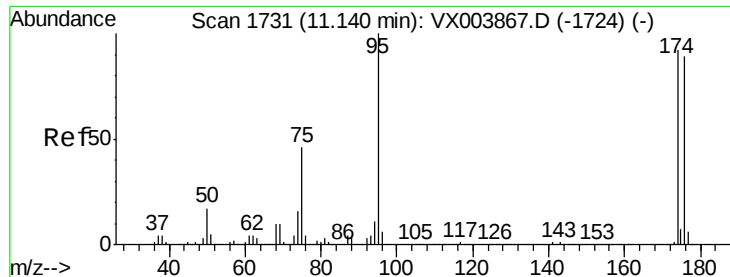
MMDadoda
8/10/2018 10:55:29 AM



#52
Toluene
Concen: 3.52 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 92 Resp: 41087
Ion Ratio Lower Upper
92 100
91 172.2 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 53.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0554DL

Tot Ion: 95 Resp: 278559

Ion Ratio Lower Upper

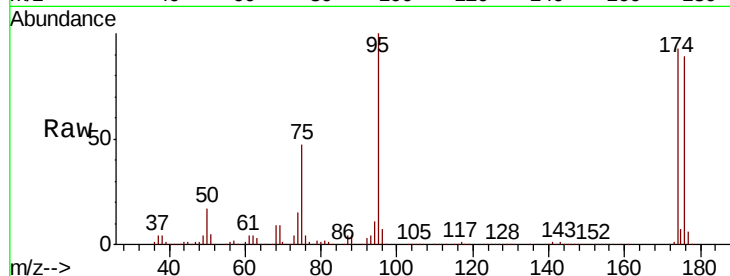
95 100

174 92.5 0.0 182.8

176 87.9 0.0 179.0

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:55:29 AM

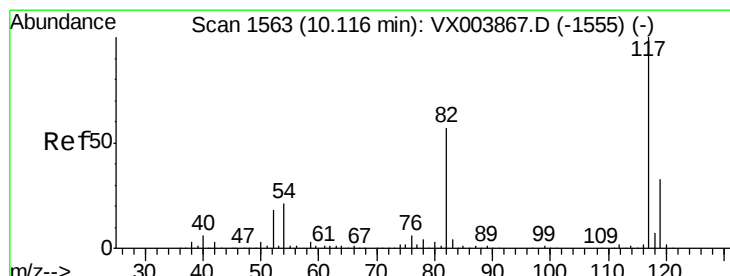
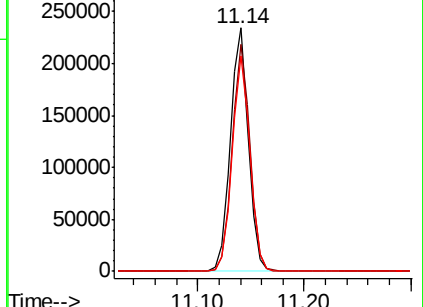
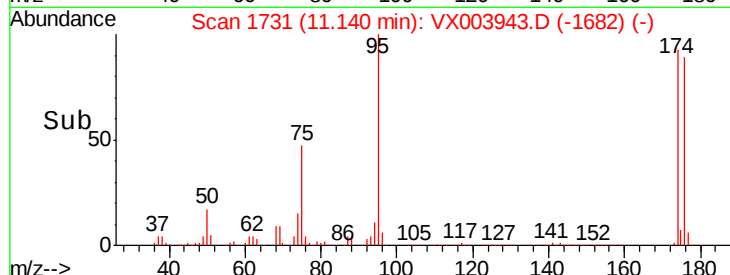


Abundance Ion 94.90 (94.60 to 95.60): VX003867.D (-1724) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

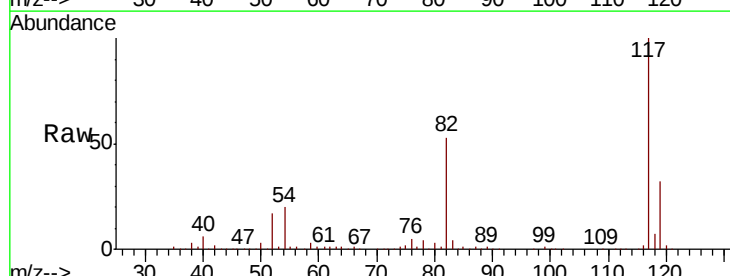
Tgt Ion: 117 Resp: 509333

Ion Ratio Lower Upper

117 100

82 52.5 45.4 68.0

119 32.0 26.6 40.0

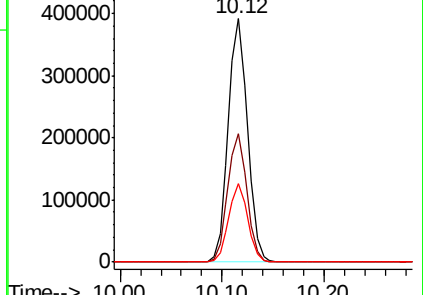
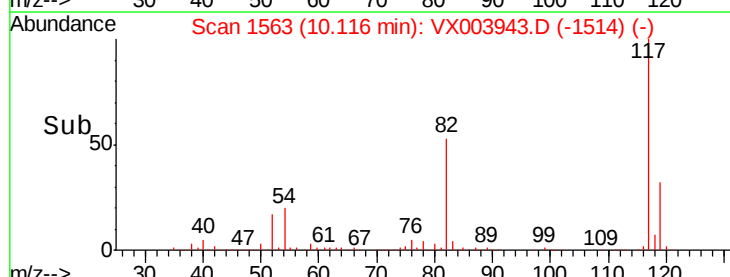


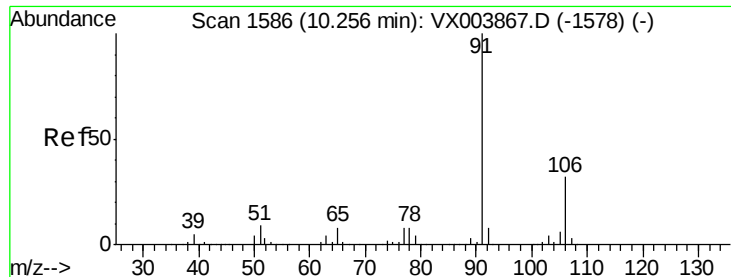
Abundance Ion 116.90 (116.60 to 117.60): VX003867.D (-1555) (-)

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

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

Time-->





#67

Ethyl Benzene

Concen: 20.12 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

FL-0554DL

Tot Ion: 91 Resp: 436473

Ion Ratio Lower Upper

91 100

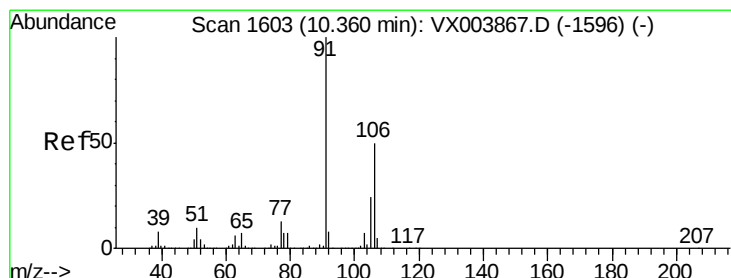
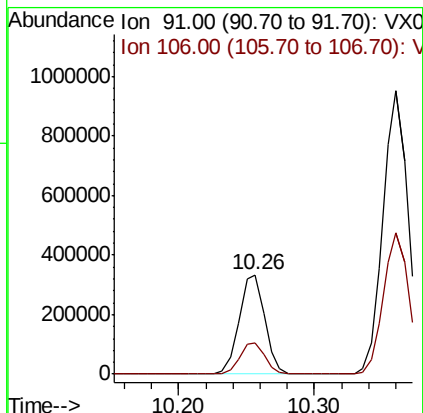
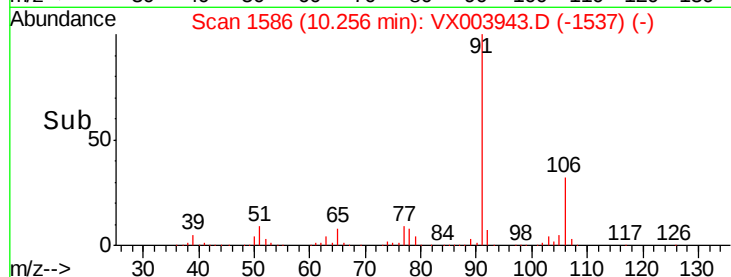
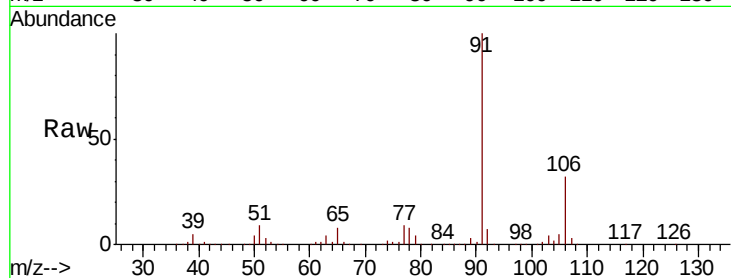
106 31.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:55:29 AM



#68

m/p-Xylenes

Concen: 73.30 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003943.D

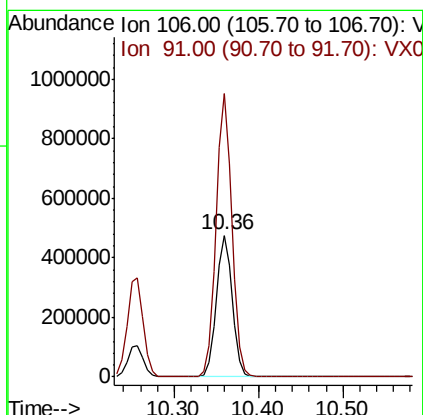
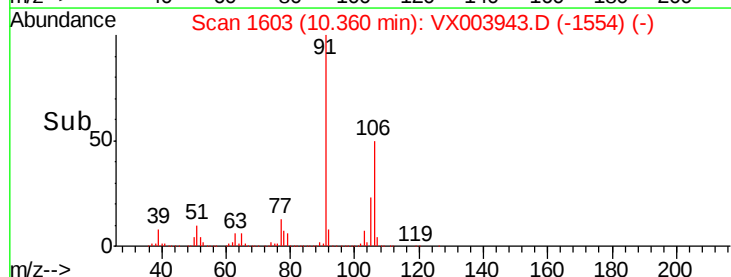
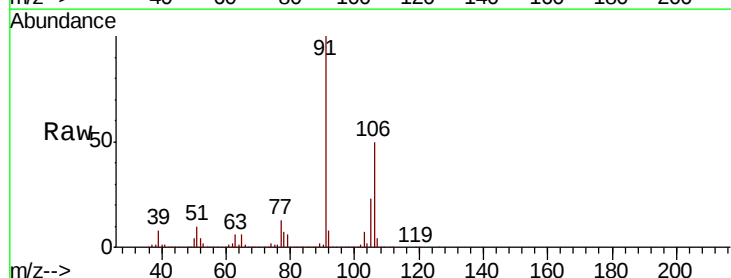
Acq: 09 Aug 2018 11:57

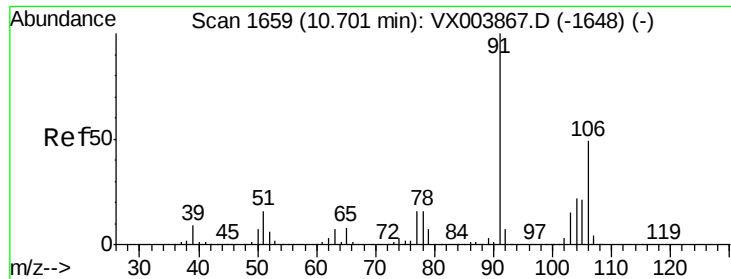
Tgt Ion: 106 Resp: 621373

Ion Ratio Lower Upper

106 100

91 198.8 162.3 243.5





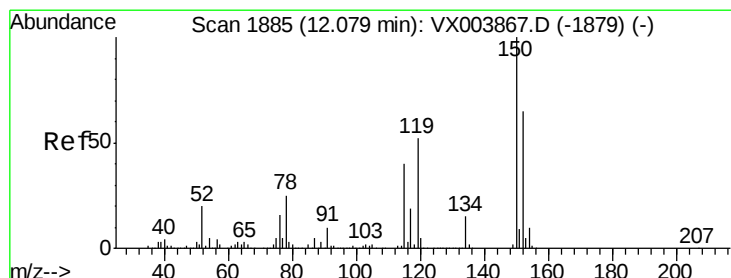
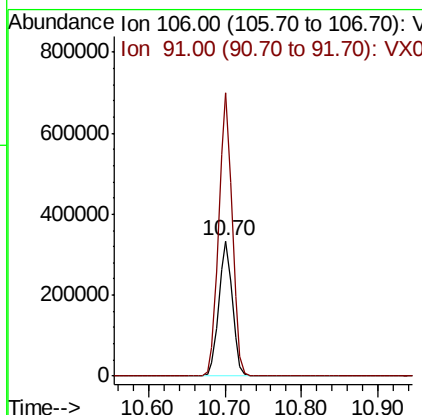
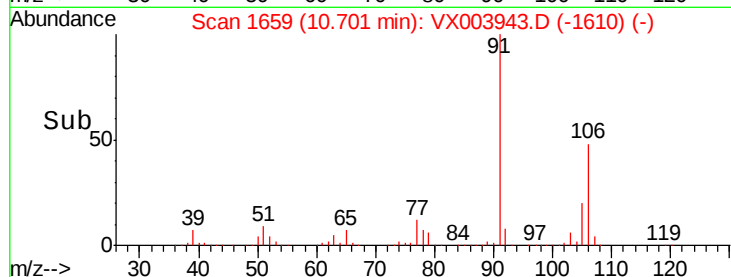
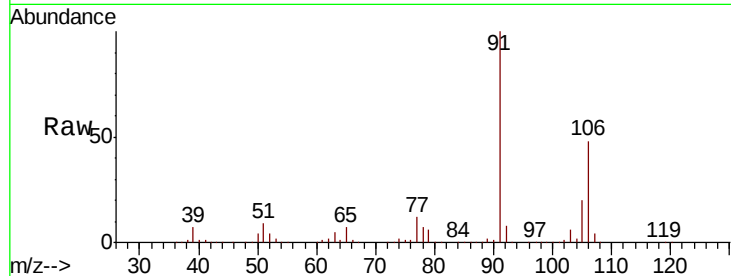
#69
o-Xylene
Concen: 51.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	408491		
91	208.1	101.9	305.7	

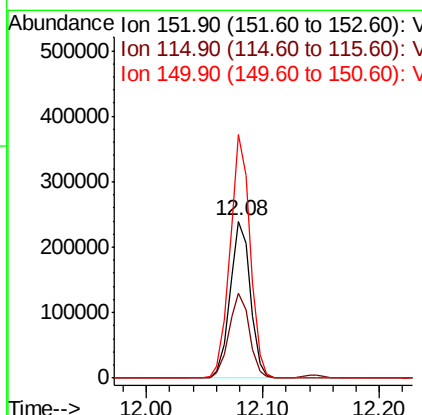
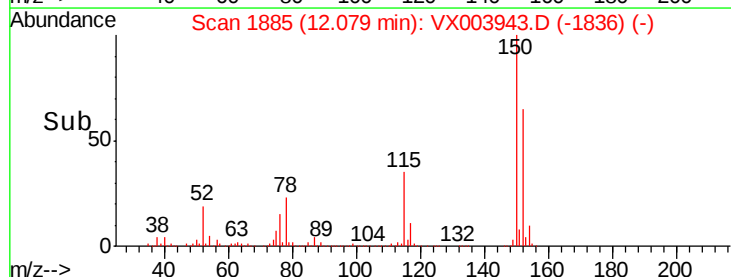
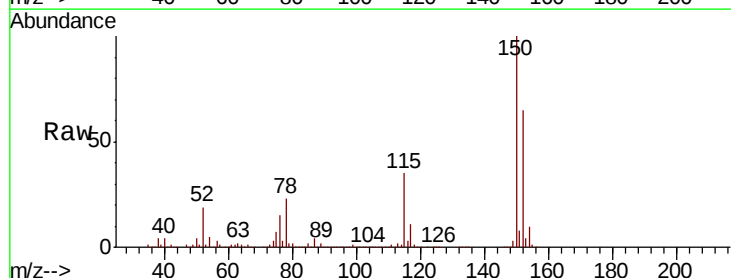
Manual Integrations
APPROVED

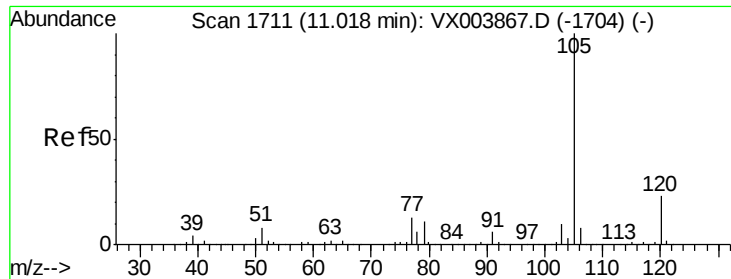
MMDadoda
8/10/2018 10:55:29 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	288913		
115	54.3	39.1	117.3	
150	153.8	0.0	349.2	





#73

Isopropylbenzene

Concen: 2.49 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleID :

FL-0554DL

Tot Ion: 105 Resp: 53163

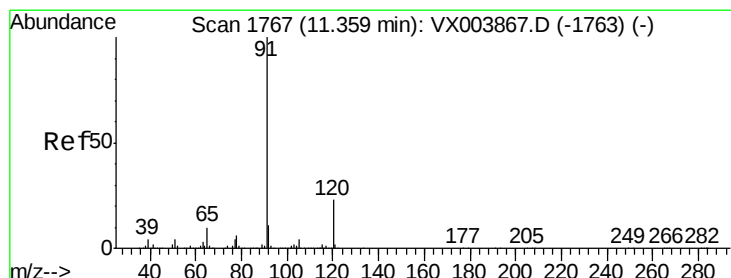
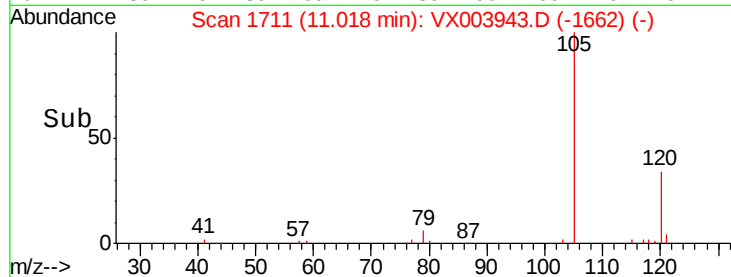
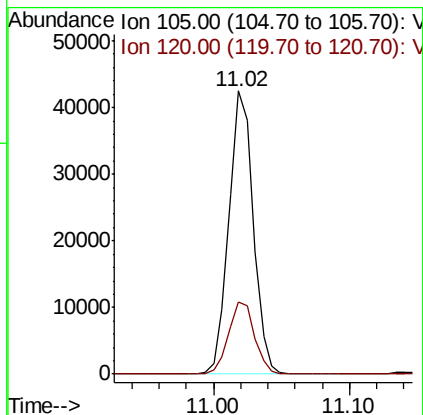
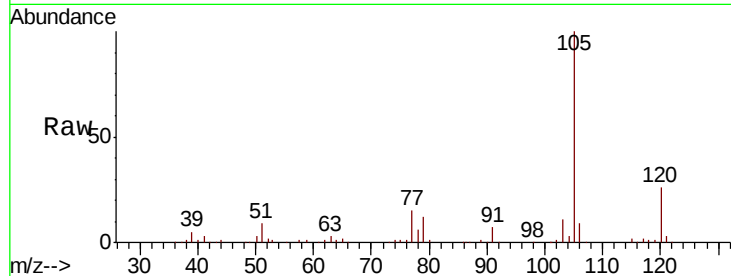
Ion Ratio Lower Upper

105 100

120 27.1 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:55:29 AM



#78

n-propylbenzene

Concen: 2.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003943.D

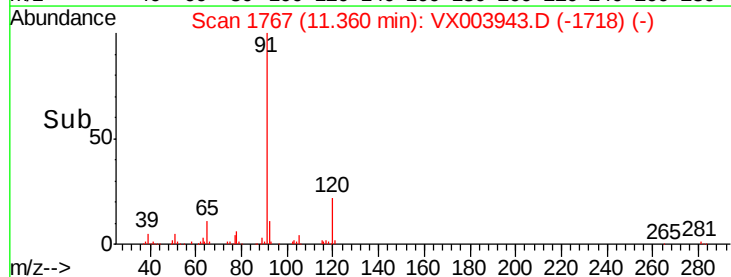
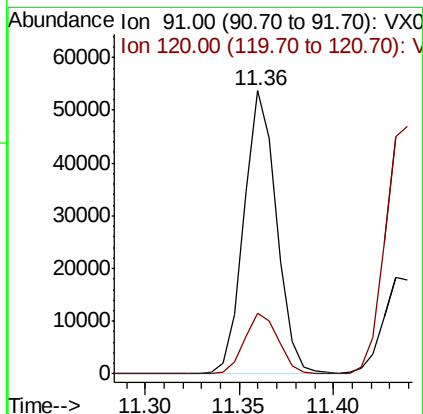
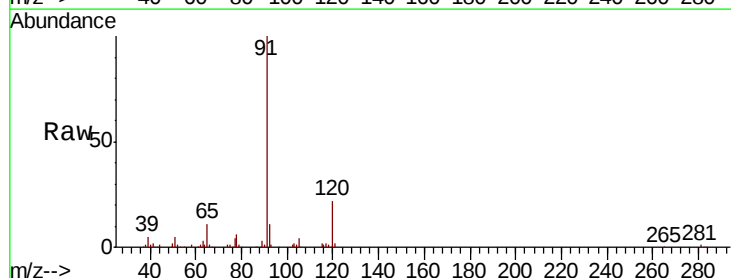
Acq: 09 Aug 2018 11:57

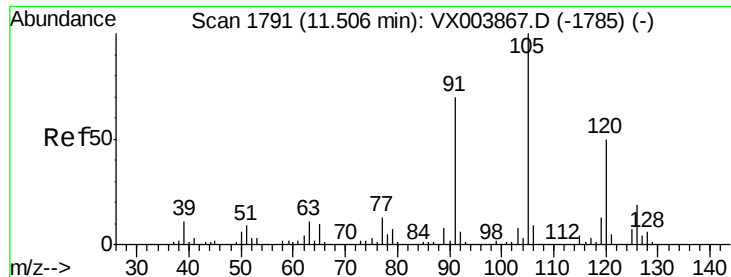
Tgt Ion: 91 Resp: 64272

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.5





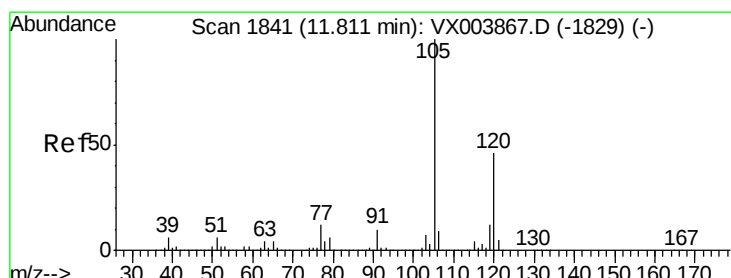
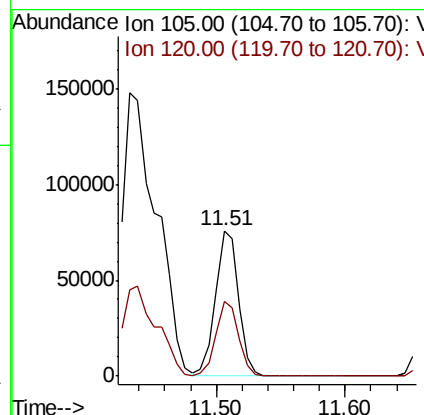
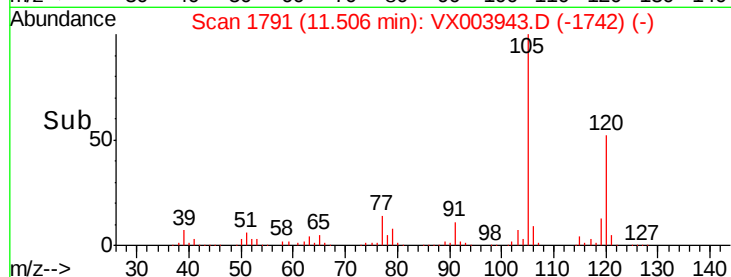
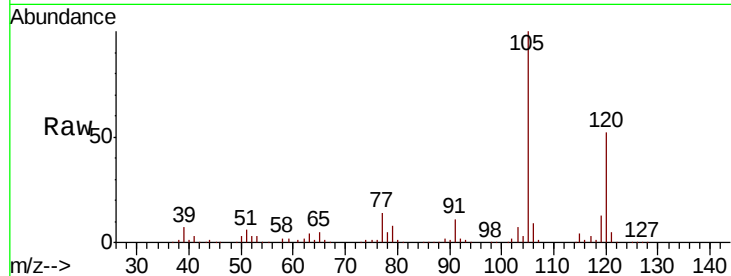
#80
 1,3,5-Trimethylbenzene
 Concen: 5.50 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0554DL

Tot Ion:105 Resp: 95768
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.2

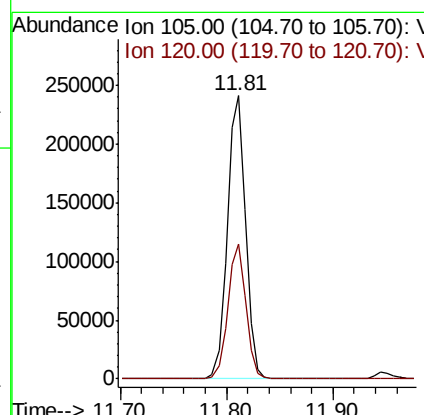
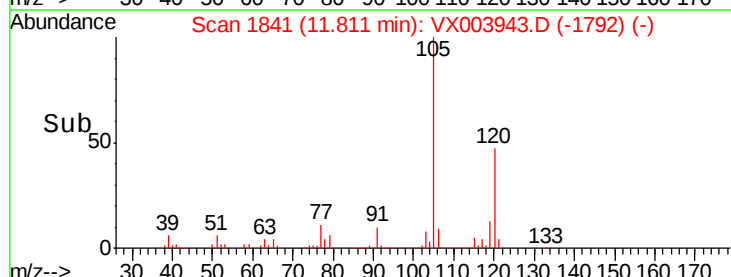
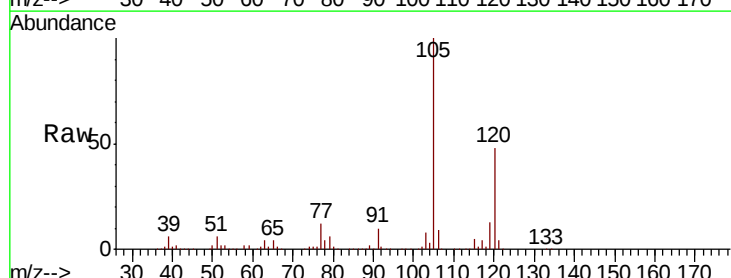
Manual Integrations
 APPROVED

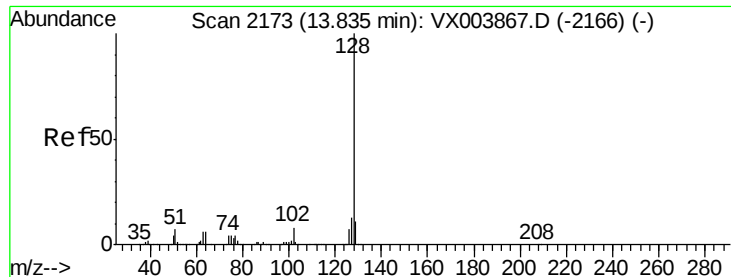
MMDadoda
 8/10/2018 10:55:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 16.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Tgt Ion:105 Resp: 287471
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.1 69.2





#95
Naphthalene
Concen: 5.12 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:55:29 AM

