

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003888.D
 Acq On : 07 Aug 2018 18:46
 Operator : JC/MD
 Sample : J4263-09DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0518DL

Manual Integrations
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 8/8/2018 12:01:49 PM

Quant Time: Aug 08 04:02:49 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	316355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	477196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239511	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	208836	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.51	113	176627	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.72	98	685168	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	248045	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	134954	22.33	ug/l	98
39) Methylcyclohexane	7.46	83	180777	28.69	ug/l	99
40) Benzene	6.15	78	112568	7.01	ug/l	97
67) Ethyl Benzene	10.26	91	489413	25.43	ug/l	99
68) m/p-Xylenes	10.36	106	39439	5.24	ug/l	97
73) Isopropylbenzene	11.02	105	163083	9.20	ug/l	97
78) n-propylbenzene	11.36	91	267412	13.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	27006	1.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	912341	62.80	ug/l	99
85) sec-Butylbenzene	11.94	105	32187	1.92	ug/l	85
86) p-Isopropyltoluene	12.07	119	10824	0.72	ug/l	92
89) n-Butylbenzene	12.39	91	18040	1.38	ug/l #	61
95) Naphthalene	13.83	128	200128	11.22	ug/l	100

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

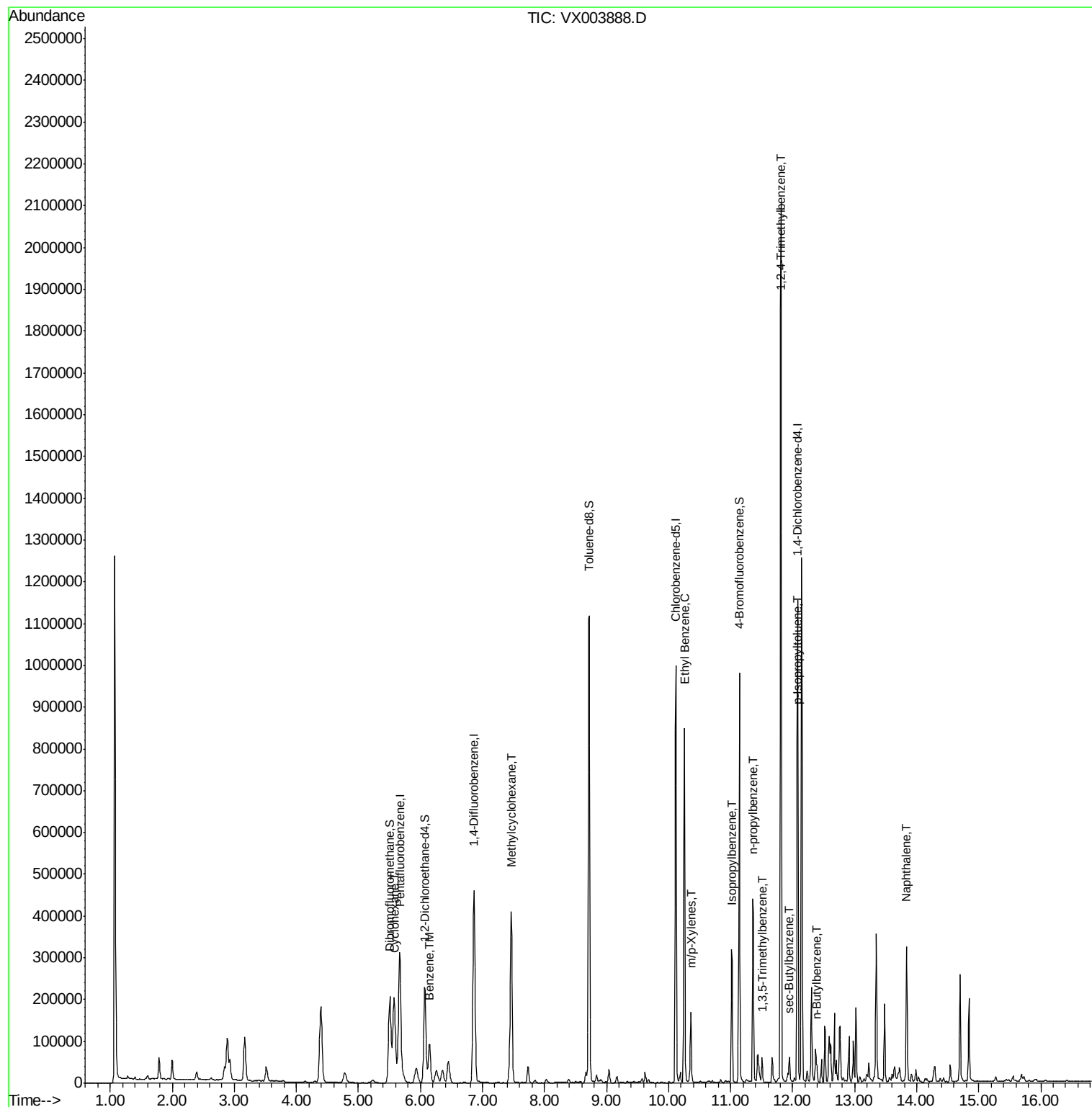
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003888.D
Acq On : 07 Aug 2018 18:46
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

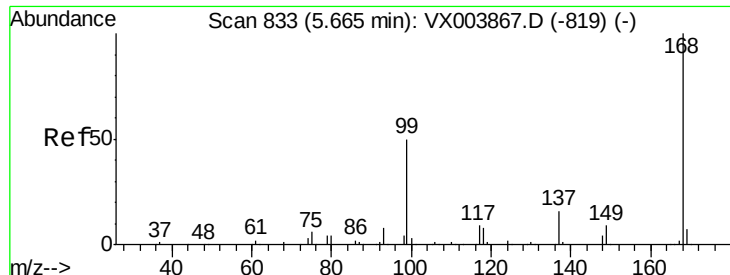
Instrument :
MSVOA_X
ClientSampleId :
FL-0518DL

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Quant Time: Aug 08 04:02:49 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: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

FL-0518DL

Tot Ion:168 Resp: 316355

Ion Ratio Lower Upper

168 100

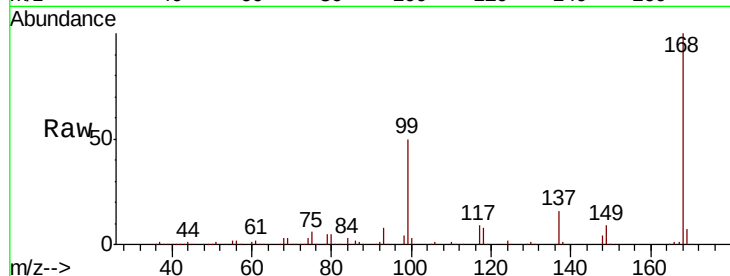
99 49.9 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

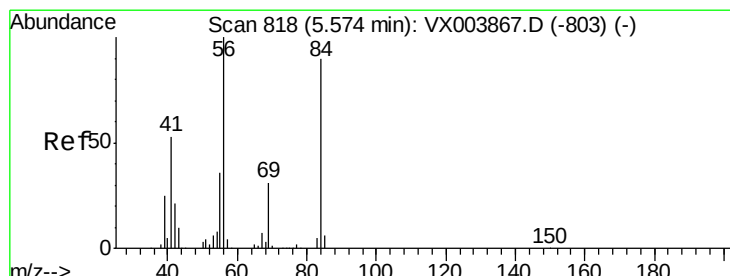
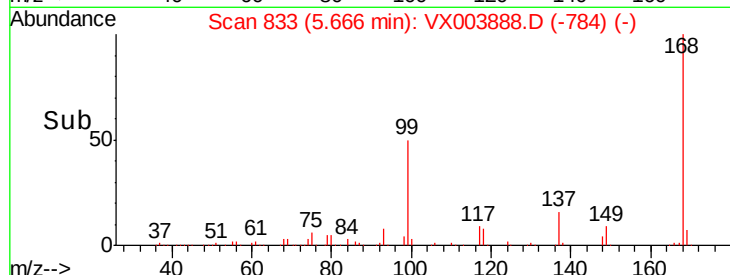
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 22.33 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

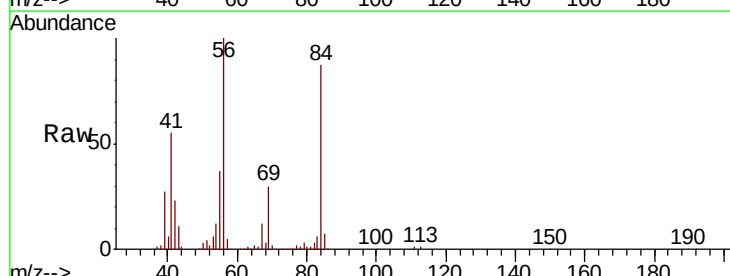
Tgt Ion: 56 Resp: 134954

Ion Ratio Lower Upper

56 100

69 30.0 24.9 37.3

84 87.4 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

5.57

60000

50000

40000

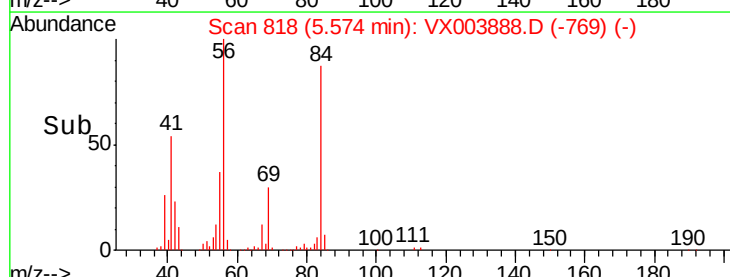
30000

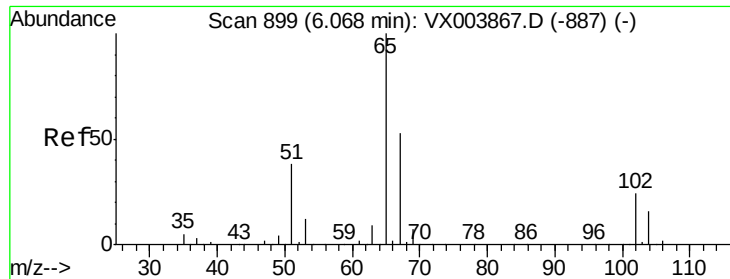
20000

10000

0

Time--> 5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 49.80 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

FL-0518DL

Tot Ion: 65 Resp: 208836

Ion Ratio Lower Upper

65 100

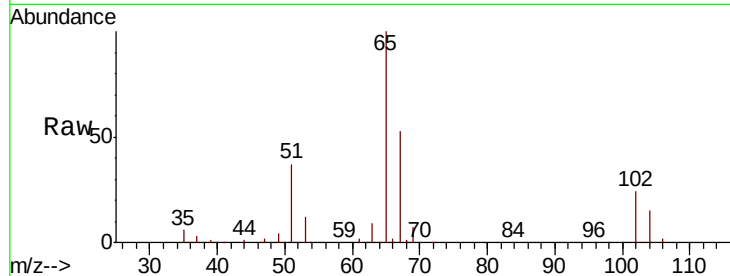
67 53.6 0.0 105.8

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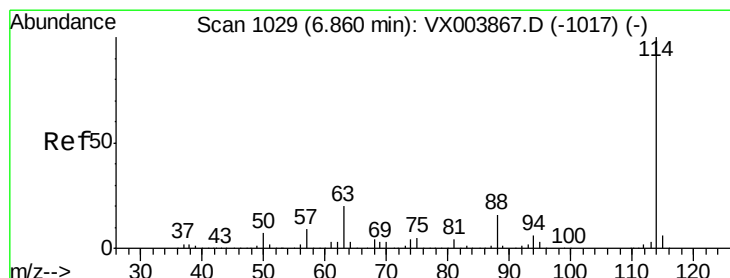
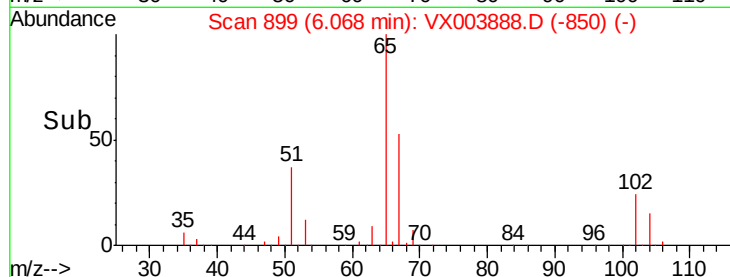
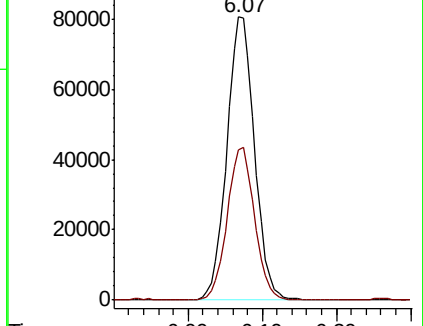
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

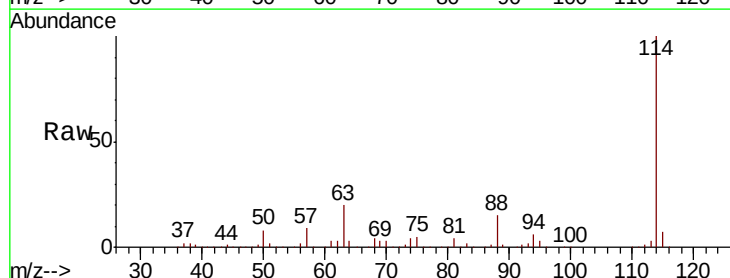
Tgt Ion: 114 Resp: 477196

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

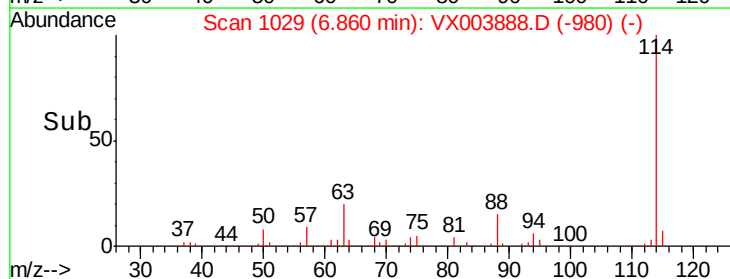
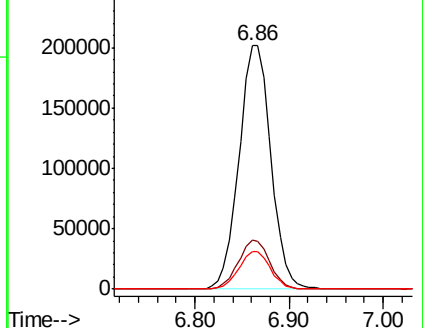
88 15.3 0.0 32.0

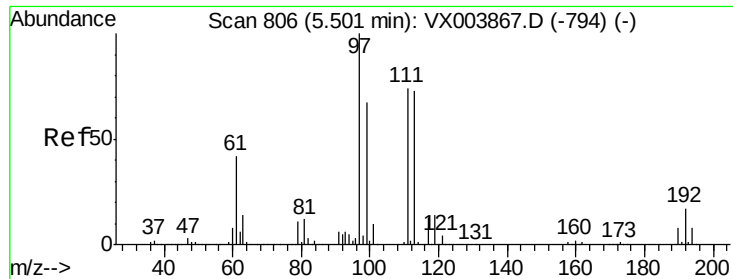


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





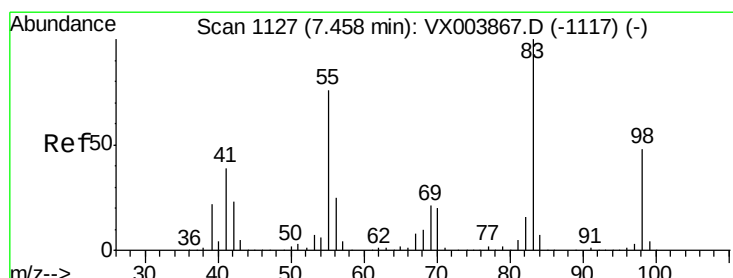
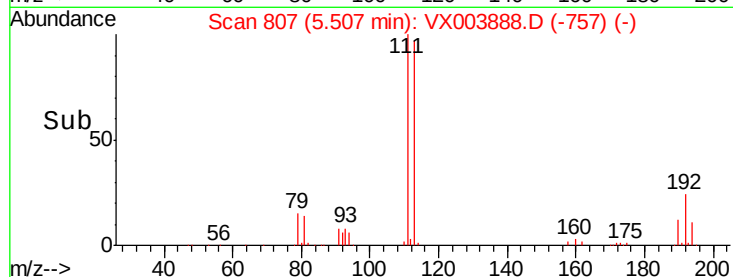
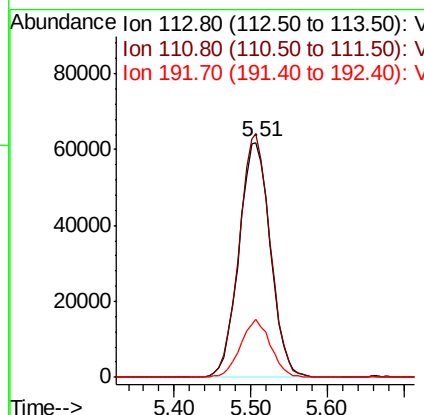
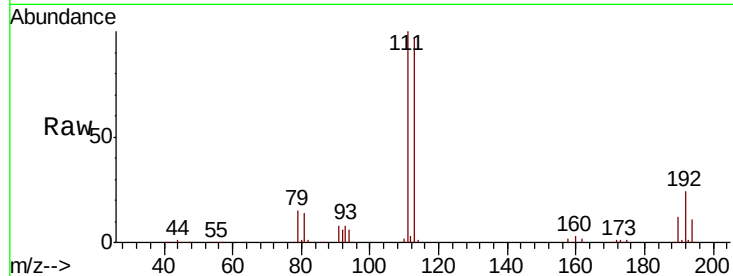
#35
 Dibromofluoromethane
 Concen: 48.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003888.D
 Acq: 07 Aug 2018 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0518DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.6	19.0	28.4

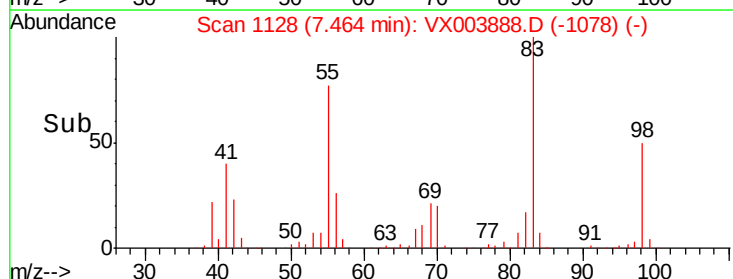
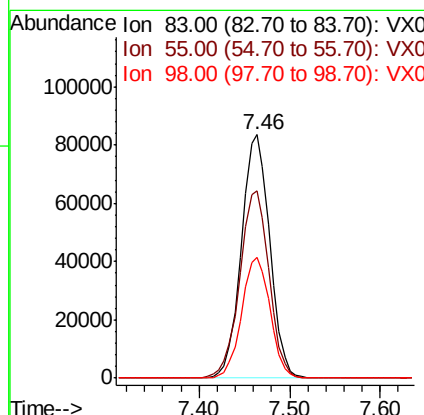
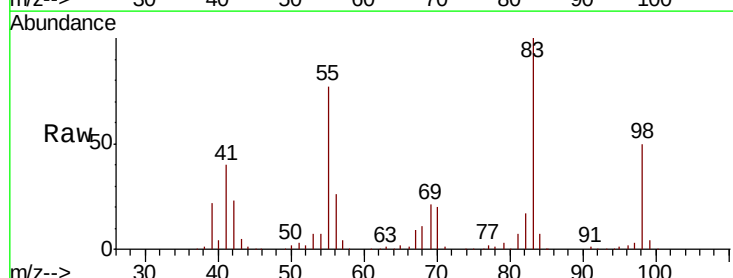
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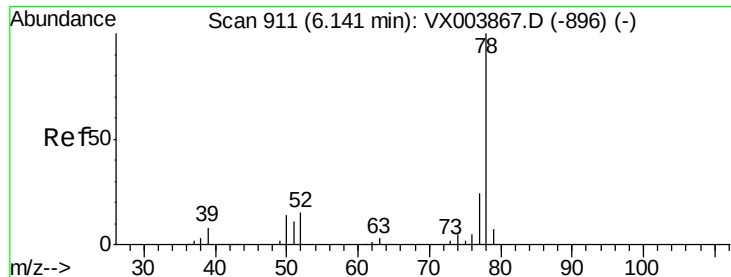
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#39
 Methylcyclohexane
 Concen: 28.69 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003888.D
 Acq: 07 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.0	91.6
98	49.6	38.6	57.8





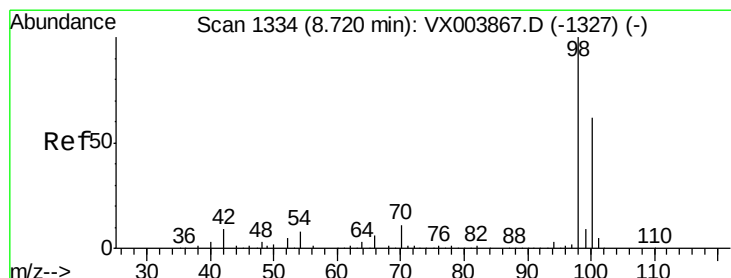
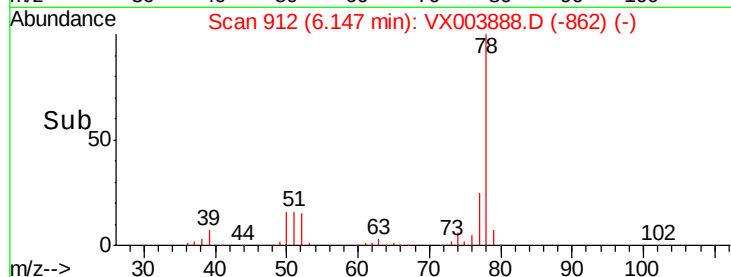
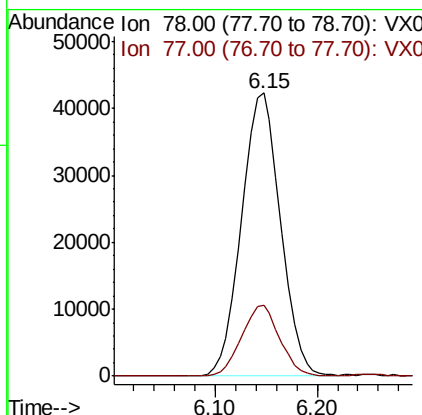
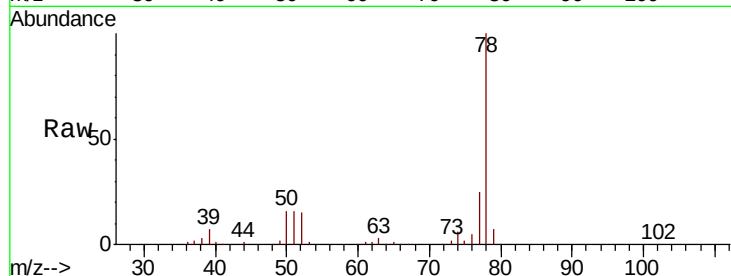
#40
Benzene
Concen: 7.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003888.D
Acq: 07 Aug 2018 18:46

Instrument :
MSVOA_X
ClientSampleId :
FL-0518DL

Tot Ion: 78 Resp: 112568
Ion Ratio Lower Upper
78 100
77 25.3 19.0 28.4

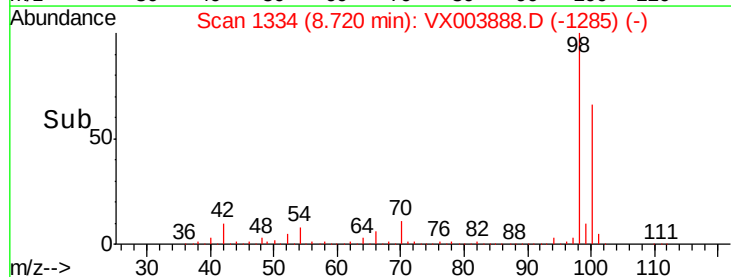
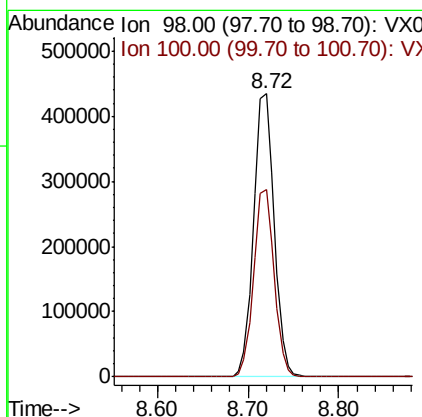
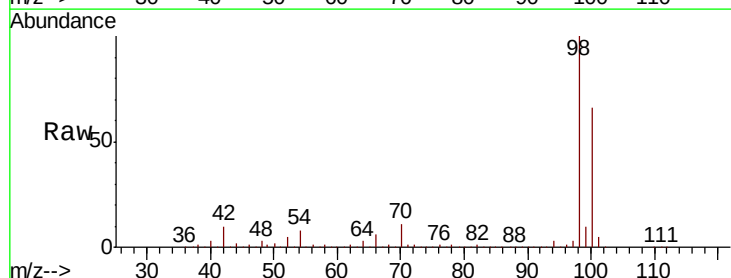
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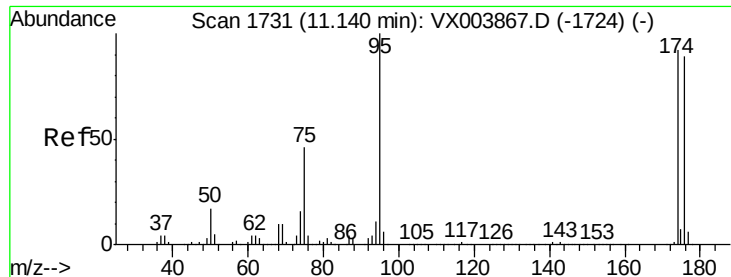
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#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003888.D
Acq: 07 Aug 2018 18:46

Tgt Ion: 98 Resp: 685168
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 54.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

FL-0518DL

Tot Ion: 95 Resp: 248045

Ion Ratio Lower Upper

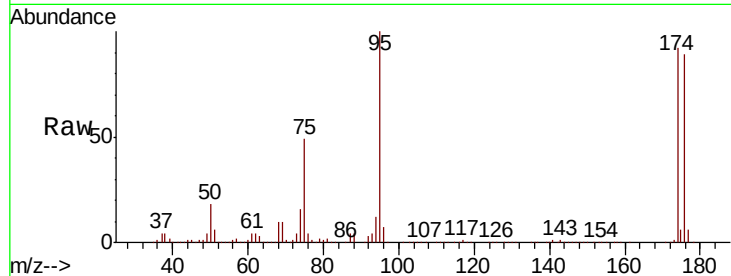
95 100

174 90.3 0.0 182.8

176 87.1 0.0 179.0

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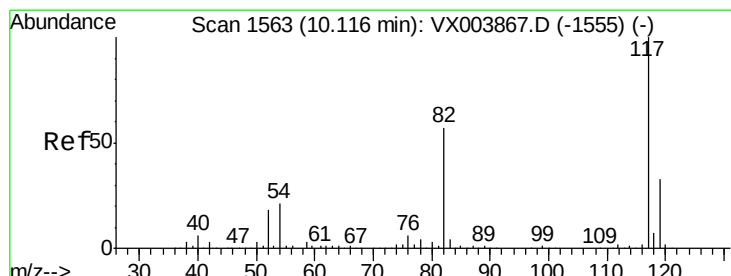
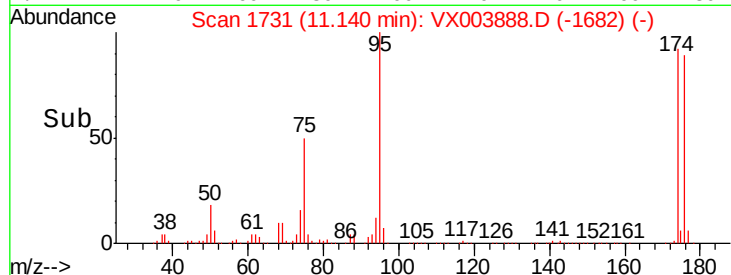
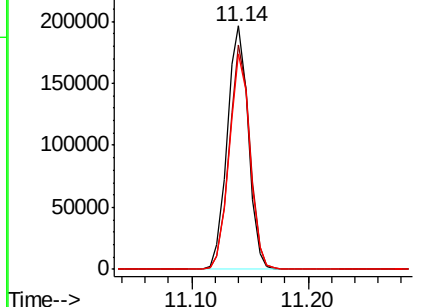
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Abundance Ion 94.90 (94.60 to 95.60): VX003867.D (-1724) (-)

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

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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

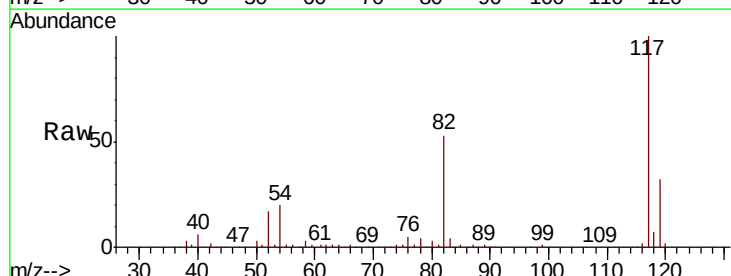
Tgt Ion: 117 Resp: 451798

Ion Ratio Lower Upper

117 100

82 52.8 45.4 68.0

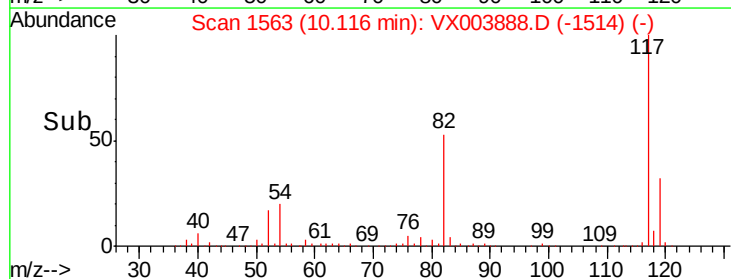
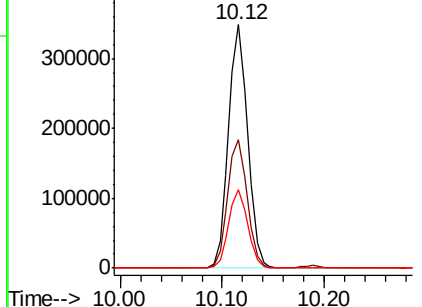
119 32.1 26.6 40.0

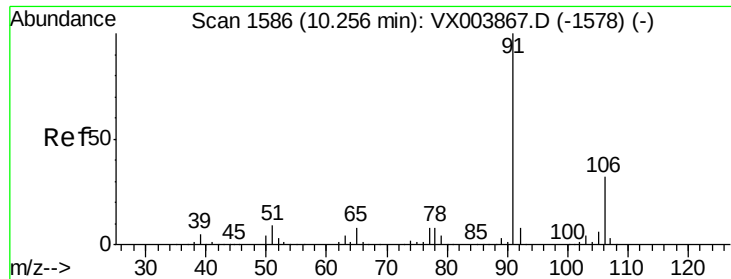


Abundance Ion 116.90 (116.60 to 117.60): VX003867.D (-1555) (-)

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

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





#67

Ethyl Benzene

Concen: 25.43 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

FL-0518DL

Tot Ion: 91 Resp: 489413

Ion Ratio Lower Upper

91 100

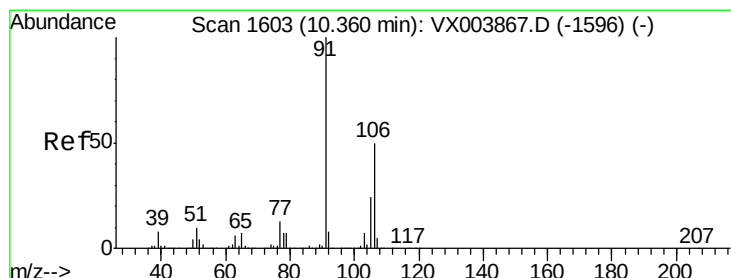
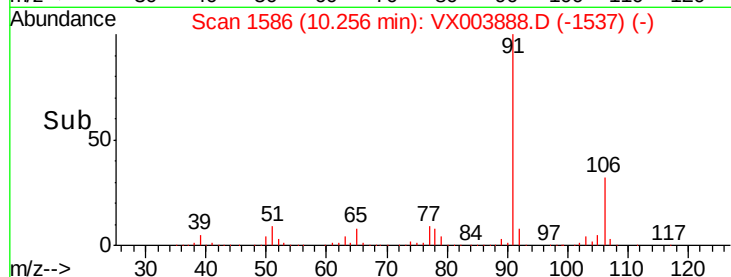
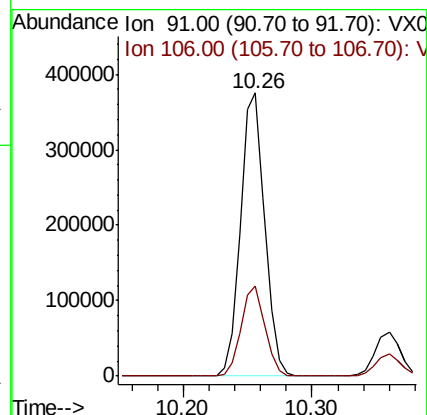
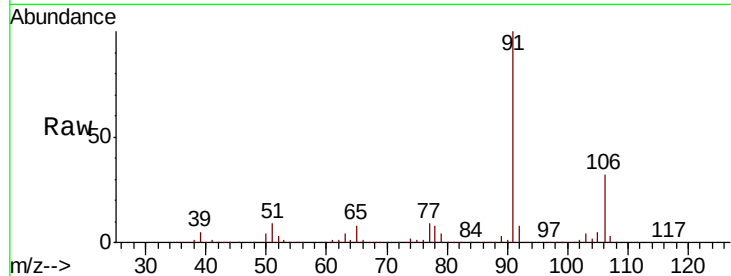
106 31.9 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 5.24 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003888.D

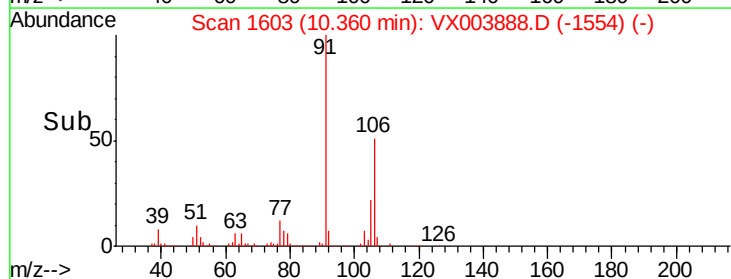
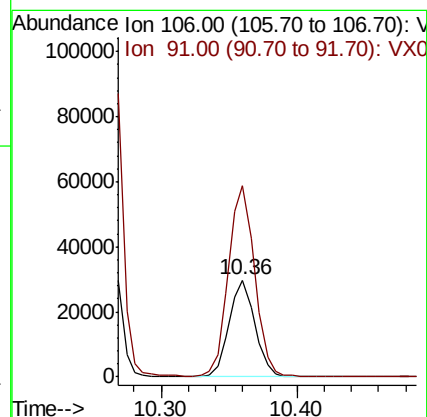
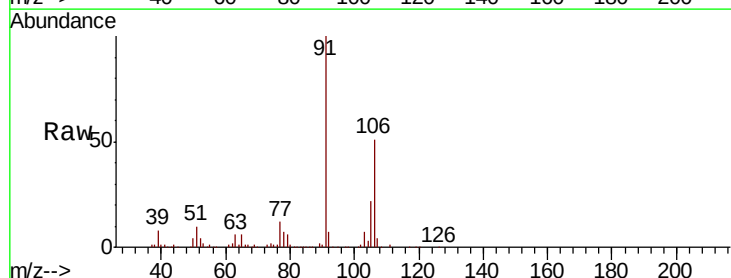
Acq: 07 Aug 2018 18:46

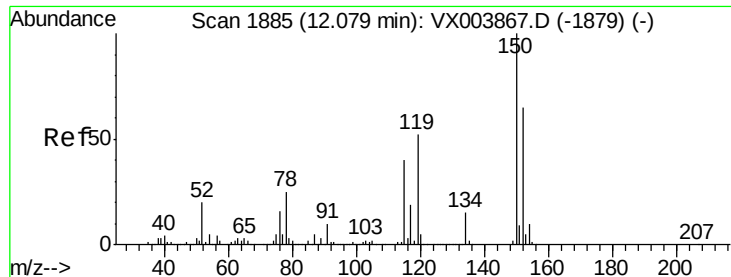
Tgt Ion: 106 Resp: 39439

Ion Ratio Lower Upper

106 100

91 198.5 162.3 243.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

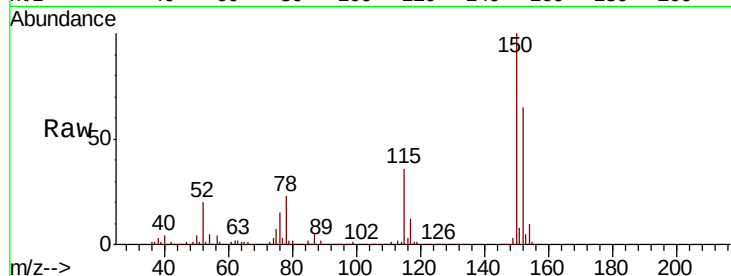
ClientSampleId :

FL-0518DL

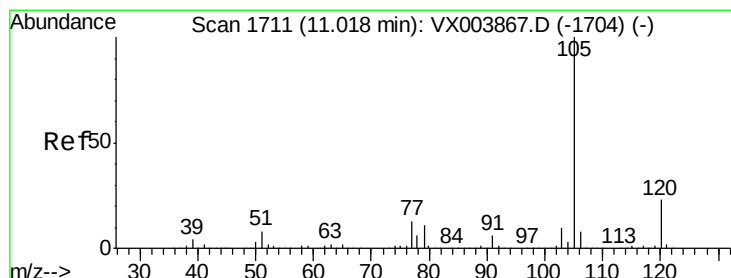
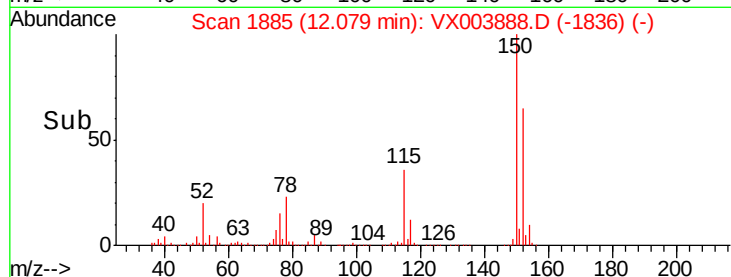
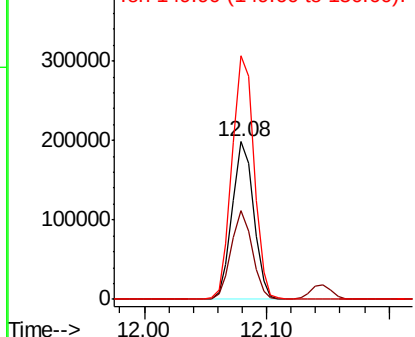
Tot Ion:	152	Resp:	239511
Ion Ratio	Lower	Upper	
152	100		
115	55.0	39.1	117.3
150	158.5	0.0	349.2

Manual Integrations
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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: 9.20 ug/l

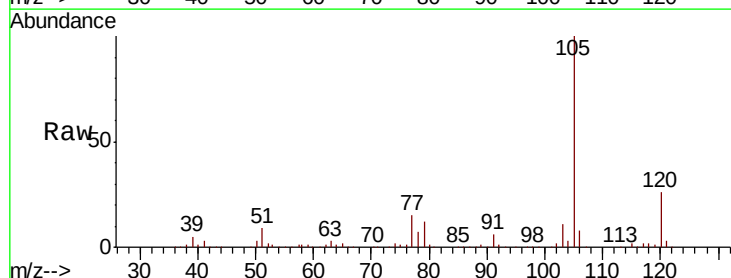
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

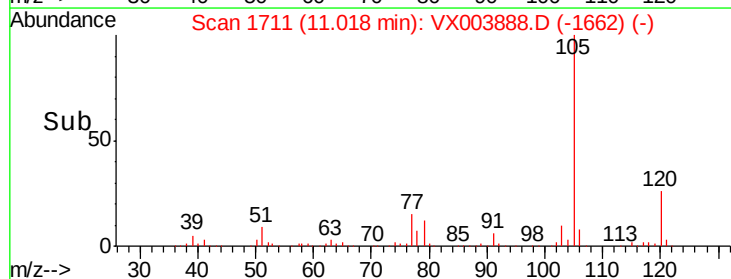
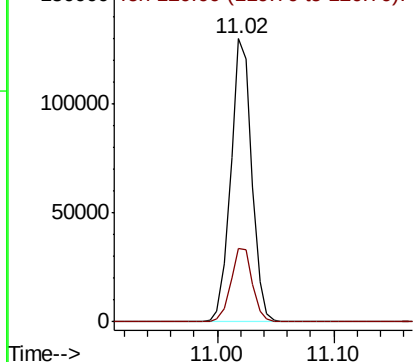
Lab File: VX003888.D

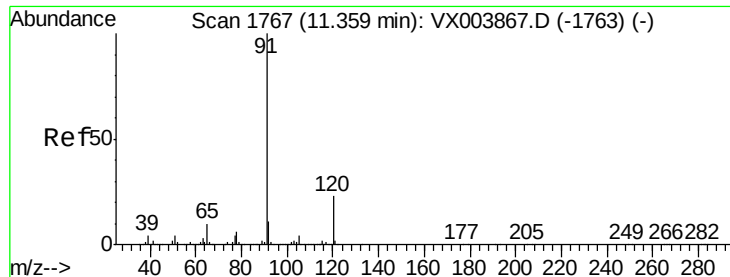
Acq: 07 Aug 2018 18:46

Tgt Ion:	105	Resp:	163083
Ion Ratio	Lower	Upper	
105	100		
120	26.6	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: 13.44 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003888.D

Acq: 07 Aug 2018 18:46

Instrument :

MSVOA_X

ClientSampleID :

FL-0518DL

Tot Ion: 91 Resp: 267412

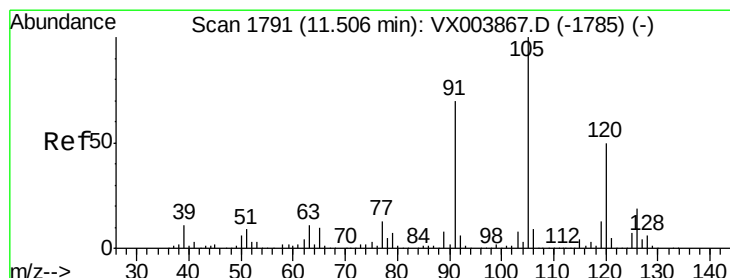
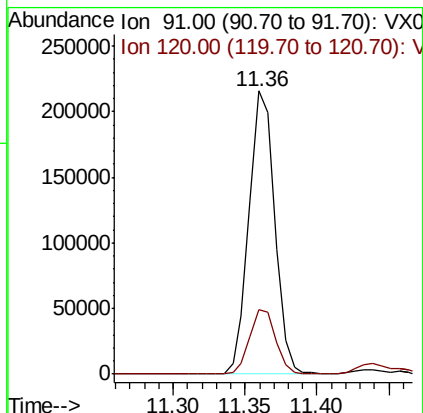
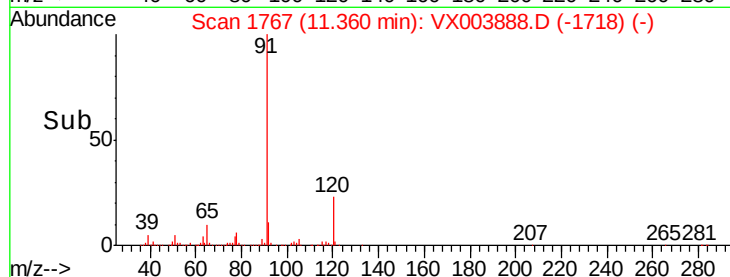
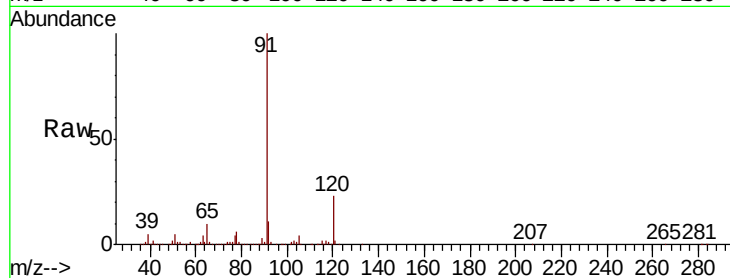
Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 1.87 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003888.D

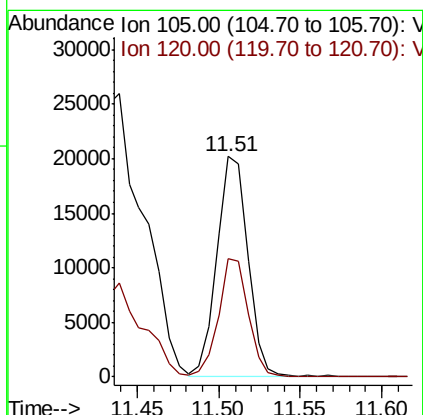
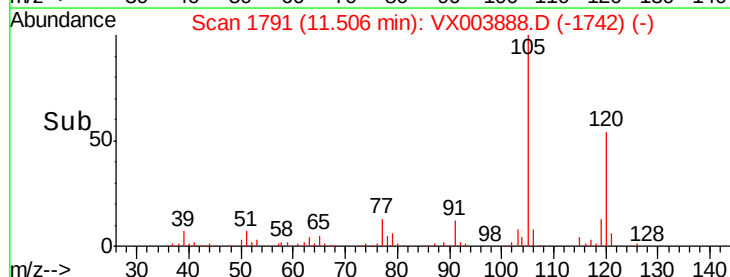
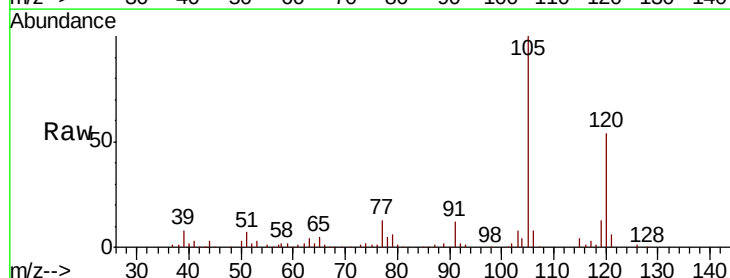
Acq: 07 Aug 2018 18:46

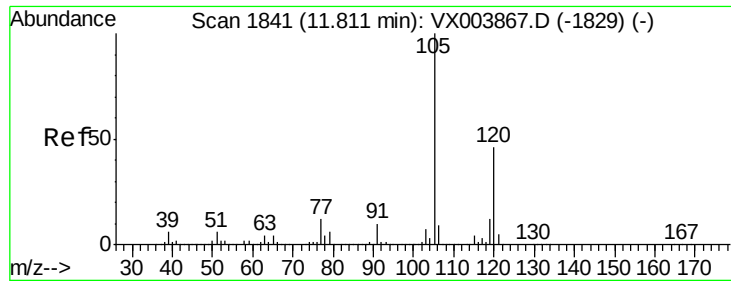
Tgt Ion: 105 Resp: 27006

Ion Ratio Lower Upper

105 100

120 51.2 25.4 76.2





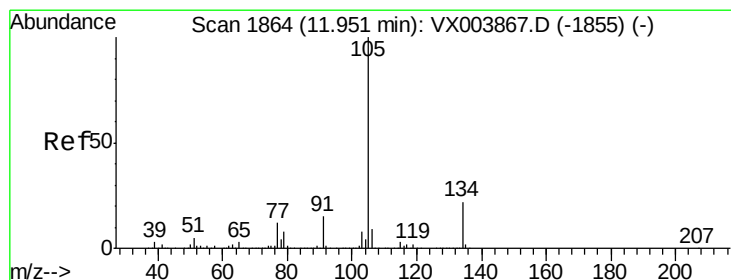
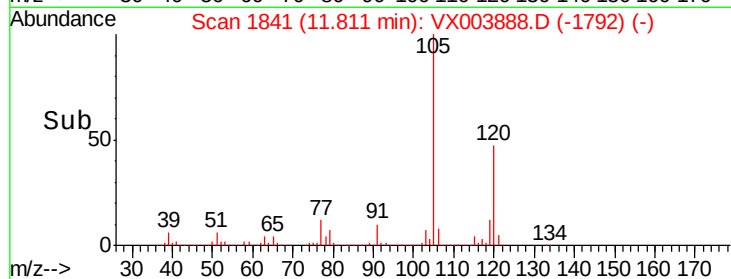
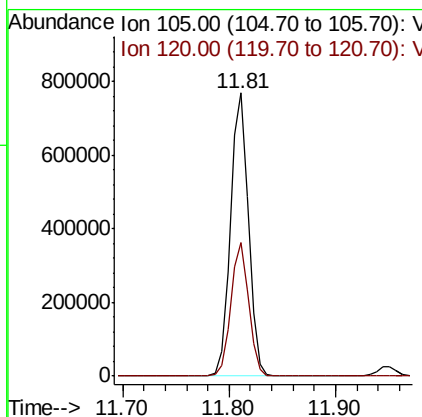
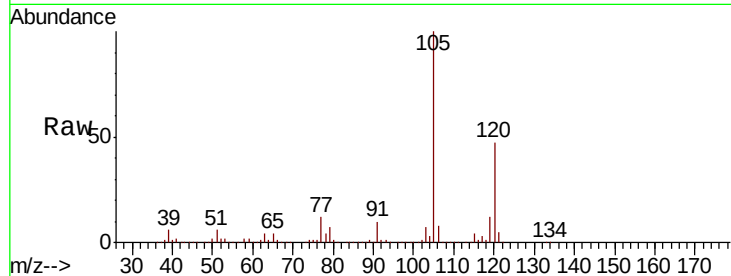
#84
 1,2,4-Trimethylbenzene
 Concen: 62.80 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003888.D
 Acq: 07 Aug 2018 18:46

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0518DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.2

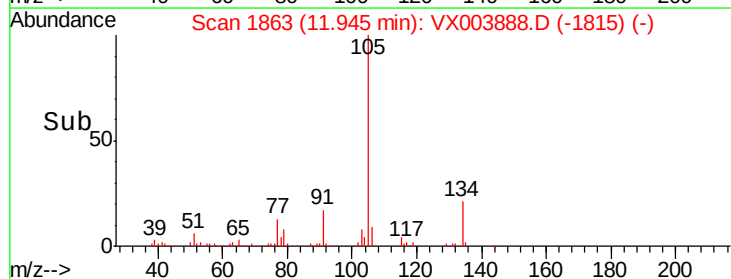
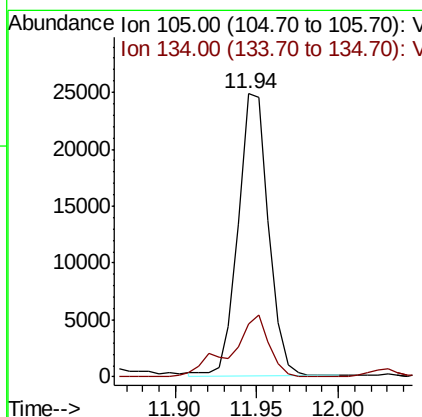
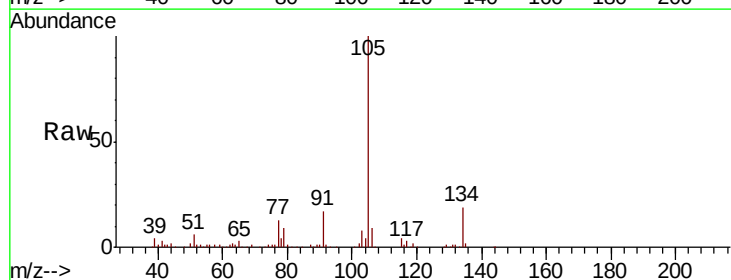
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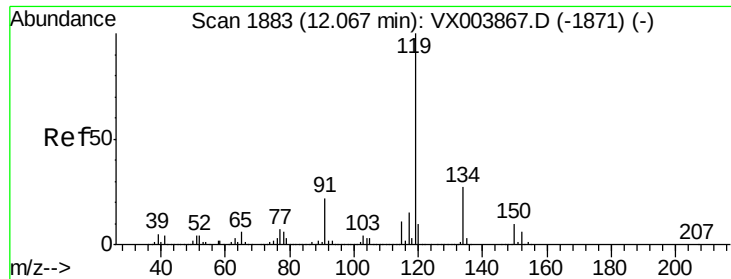
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#85
 sec-Butylbenzene
 Concen: 1.92 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003888.D
 Acq: 07 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
105	100		
134	27.4	10.3	30.9





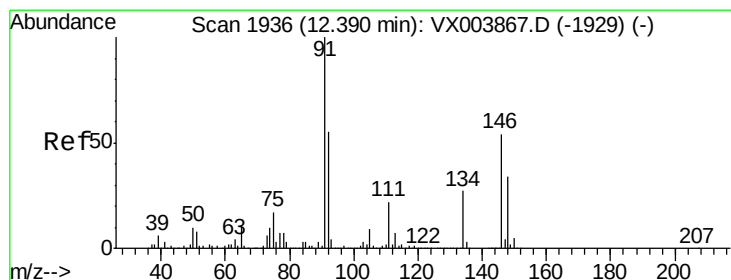
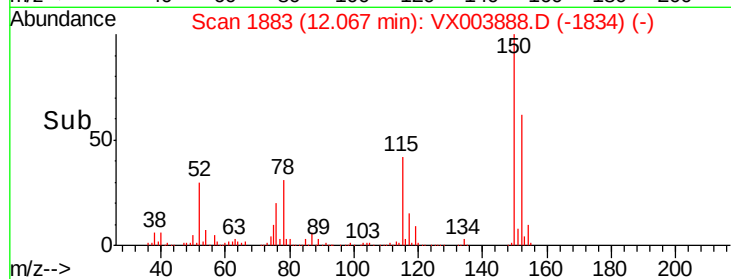
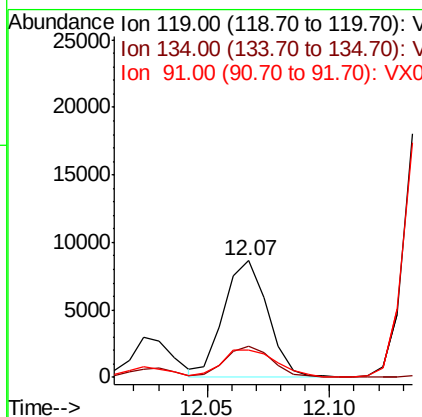
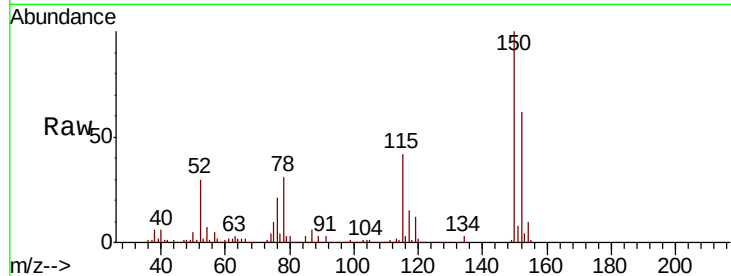
#86
p-Isopropyltoluene
Concen: 0.72 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003888.D
Acq: 07 Aug 2018 18:46

Instrument :
MSVOA_X
ClientSampled :
FL-0518DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.3	39.8
91	27.6	10.9	32.7

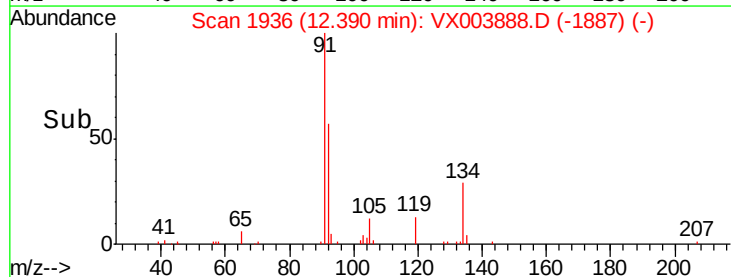
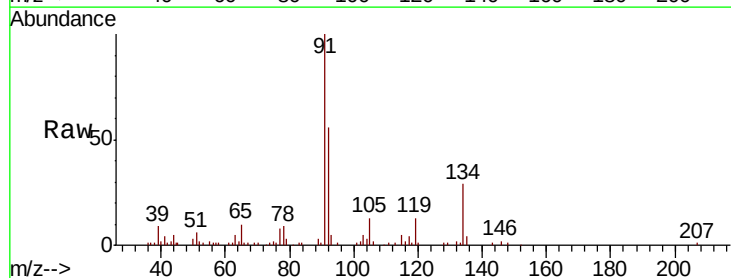
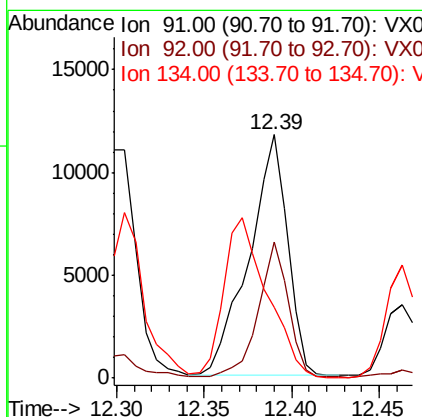
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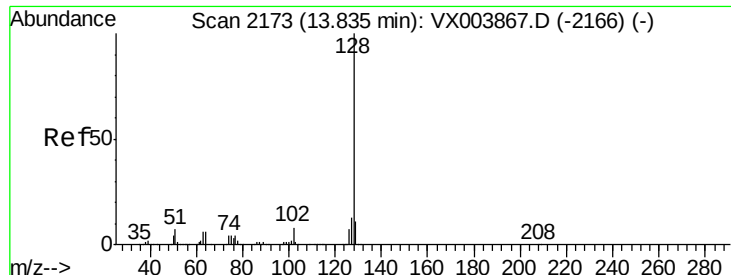
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#89
n-Butylbenzene
Concen: 1.38 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003888.D
Acq: 07 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.8	27.1	81.3
134	75.0	13.6	40.7#





#95
Naphthalene
Concen: 11.22 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003888.D
Acq: 07 Aug 2018 18:46

Instrument :
MSVOA_X
ClientSampleId :
FL-0518DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	8.8	13.2

Manual Integrations
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