

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003890.D
 Acq On : 07 Aug 2018 19:39
 Operator : JC/MD
 Sample : J4344-10DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0529DL

Manual Integrations
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sam
 8/21/2018 4:31:37 PM

Quant Time: Aug 08 09:37:56 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	341214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	515239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	477690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	219956	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	5.51	113	184954	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.72	98	731426	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	265553	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
31) Cyclohexane	5.57	56	235614	36.14	ug/l	97
39) Methylcyclohexane	7.46	83	171141	25.15	ug/l	99
67) Ethyl Benzene	10.26	91	420448	20.66	ug/l	98
68) m/p-Xylenes	10.36	106	295712	37.19	ug/l	97
69) o-Xylene	10.70	106	14409	1.92	ug/l	93
73) Isopropylbenzene	11.02	105	135650	7.30	ug/l	96
78) n-propylbenzene	11.36	91	137197	6.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	321353	21.20	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1016728	66.70	ug/l	100
85) sec-Butylbenzene	11.95	105	47604	2.70	ug/l	88
86) p-Isopropyltoluene	12.07	119	26082	1.65	ug/l	95
95) Naphthalene	13.83	128	241867	12.92	ug/l	99

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

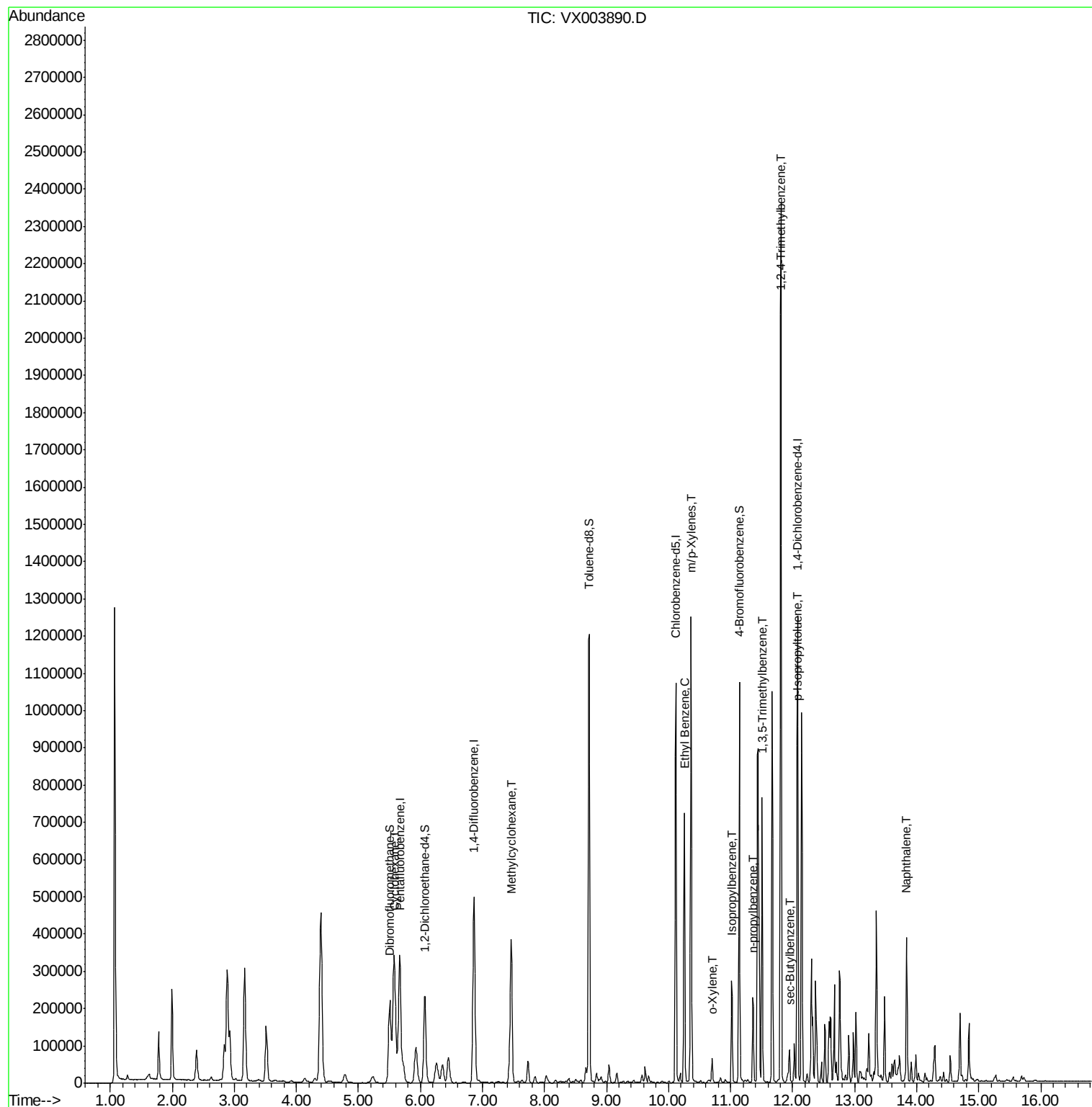
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003890.D
Acq On : 07 Aug 2018 19:39
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

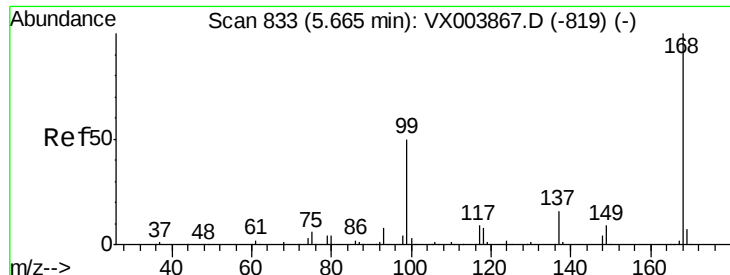
Instrument :
MSVOA_X
ClientSampleId :
FL-0529DL

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Quant Time: Aug 08 09:37:56 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: VX003890.D

Acq: 07 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0529DL

Tot Ion:168 Resp: 341214

Ion Ratio Lower Upper

168 100

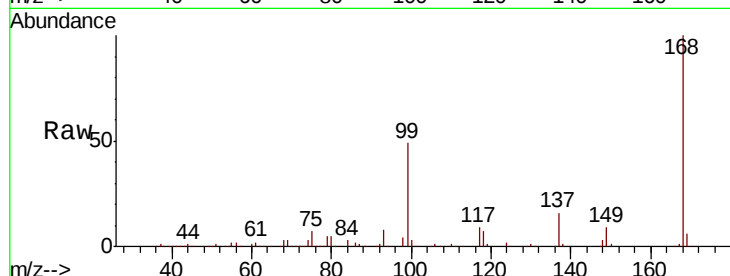
99 49.0 40.1 60.1

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

150000

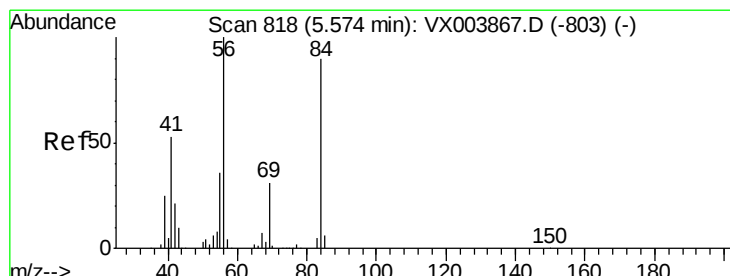
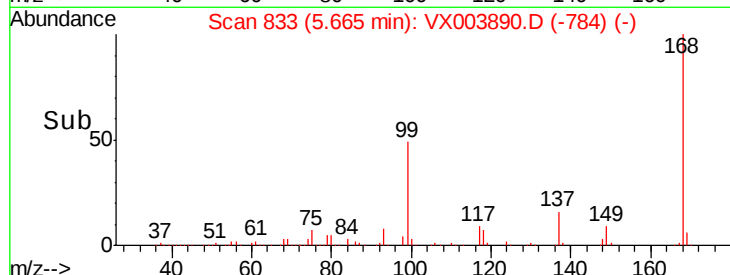
100000

50000

0

Time-->

5.60 5.70 5.80



#31

Cyclohexane

Concen: 36.14 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

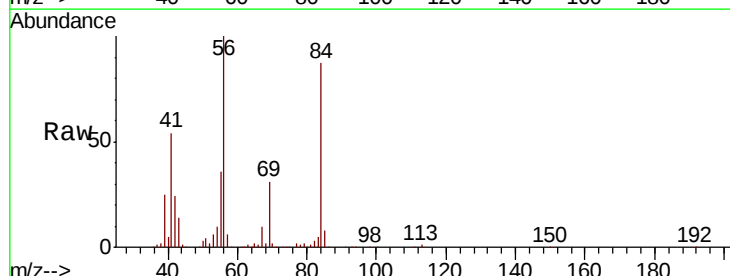
Tgt Ion: 56 Resp: 235614

Ion Ratio Lower Upper

56 100

69 30.4 24.9 37.3

84 86.8 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

100000

80000

60000

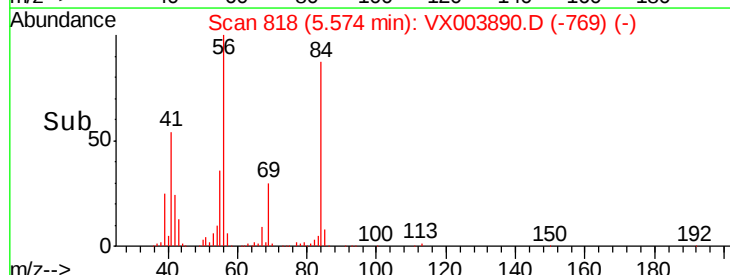
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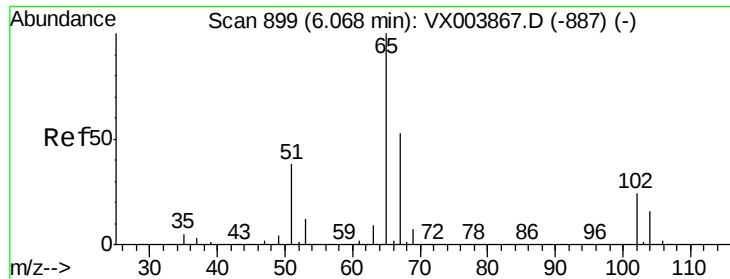
20000

0

Time-->

5.40 5.50 5.60 5.70





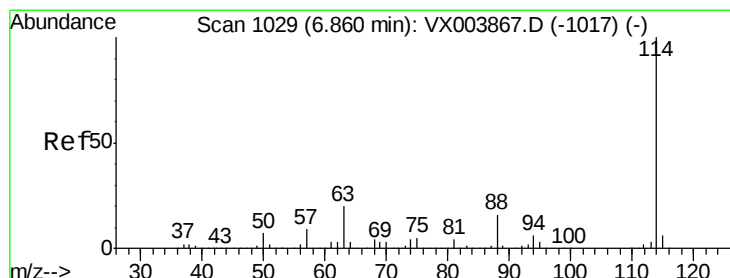
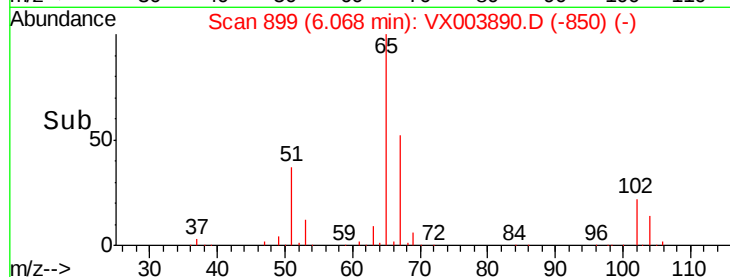
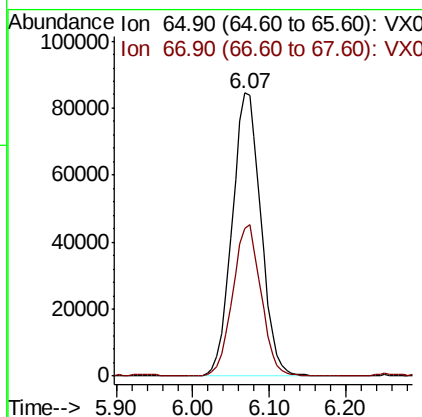
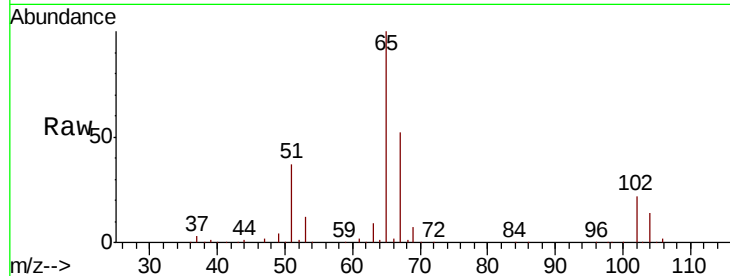
#33
 1,2-Dichloroethane-d4
 Concen: 48.63 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003890.D
 Acq: 07 Aug 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0529DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219956		
67	52.8	0.0	105.8	

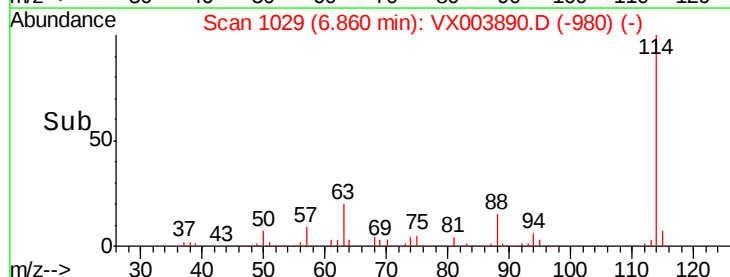
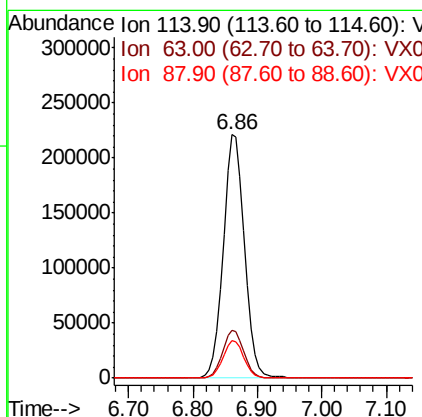
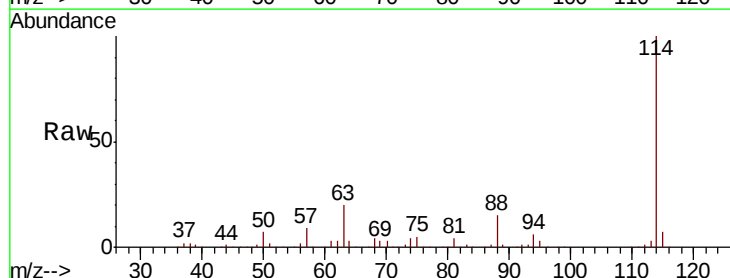
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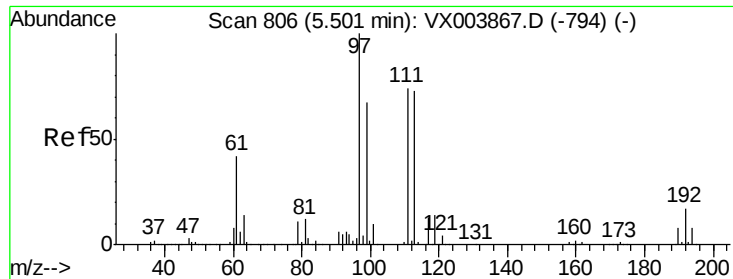
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003890.D
 Acq: 07 Aug 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	515239		
63	19.7	0.0	39.0	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 47.38 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

Instrument :

MSVOA_X

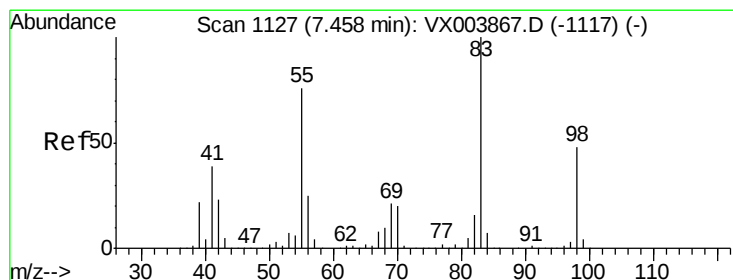
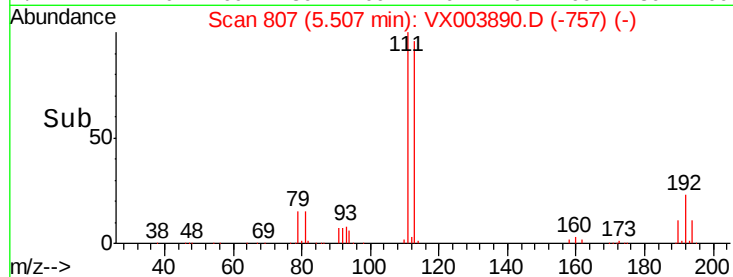
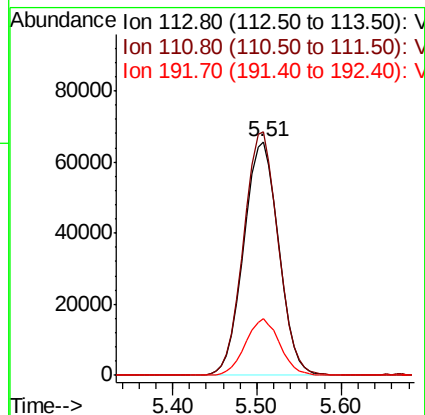
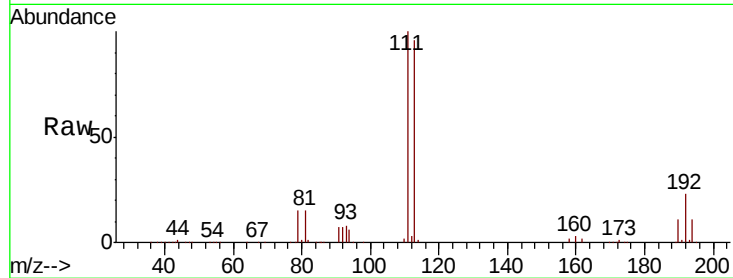
ClientSampleId :

FL-0529DL

Tot Ion:	113	Resp:	184954
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.0	123.0
192	23.9	19.0	28.4

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#39

Methylcyclohexane

Concen: 25.15 ug/l

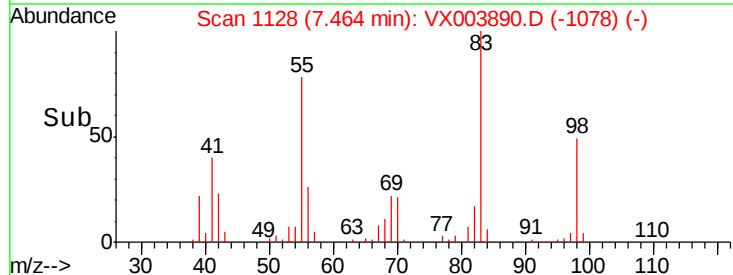
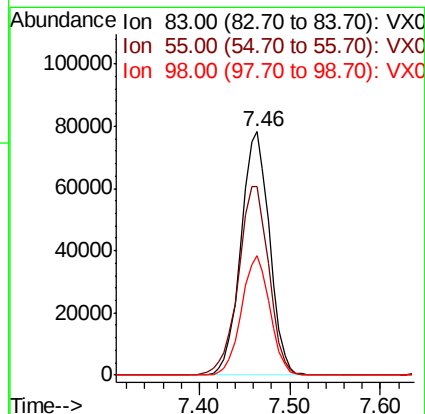
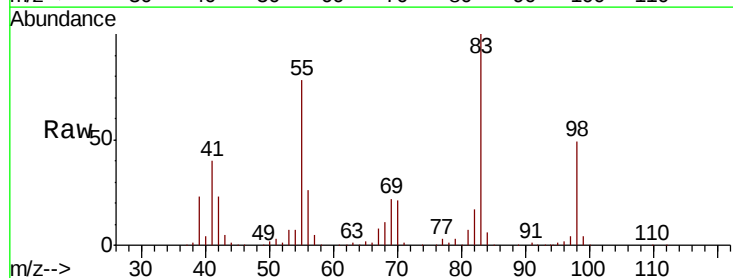
RT: 7.46 min Scan# 1128

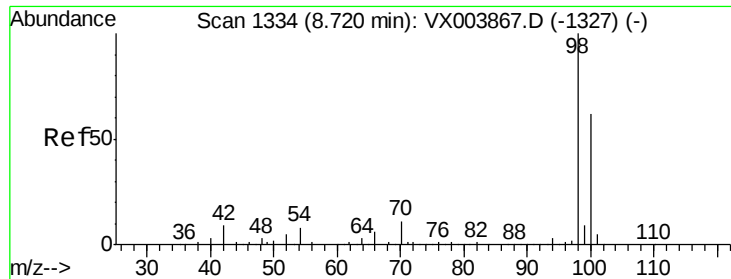
Delta R.T. 0.01 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

Tgt Ion:	83	Resp:	171141
Ion Ratio	Lower	Upper	
83	100		
55	77.6	61.0	91.6
98	49.2	38.6	57.8





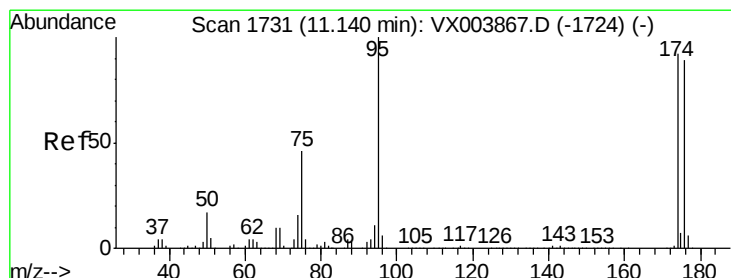
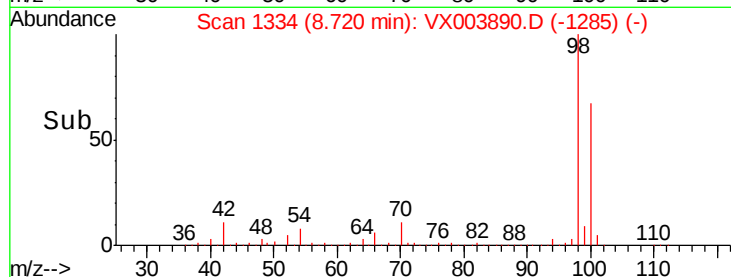
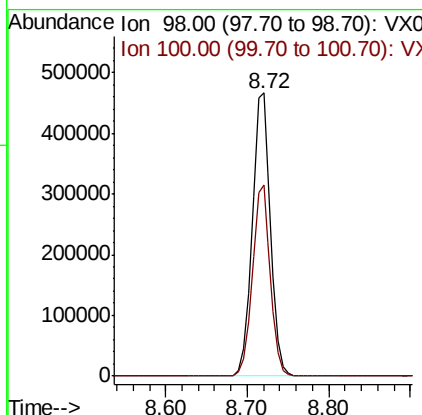
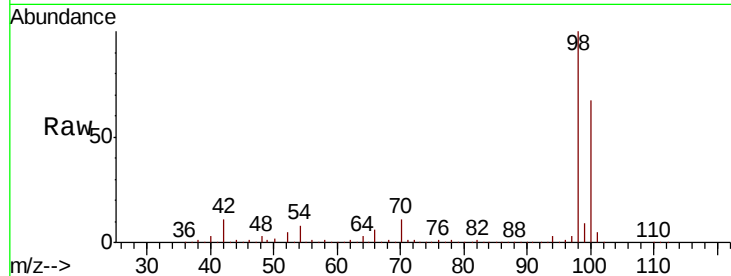
#50
Toluene-d8
Concen: 48.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Instrument :
MSVOA_X
ClientSampleID :
FL-0529DL

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	66.1	53.3	79.9	

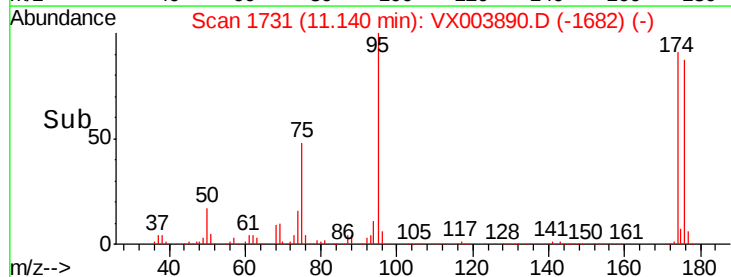
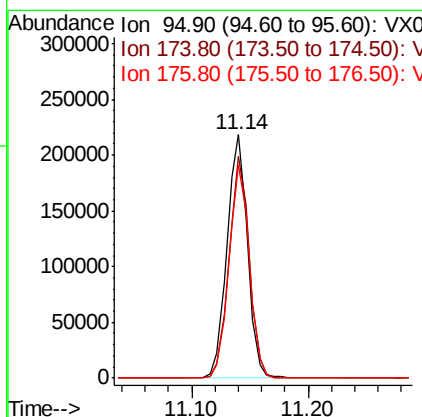
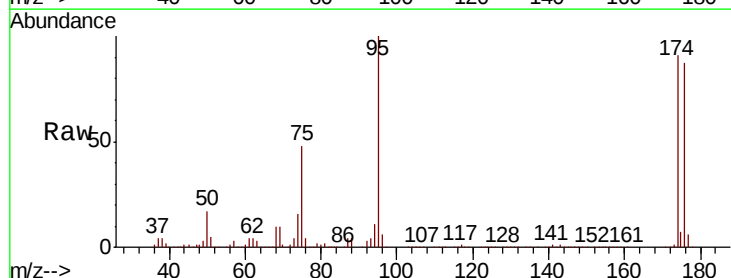
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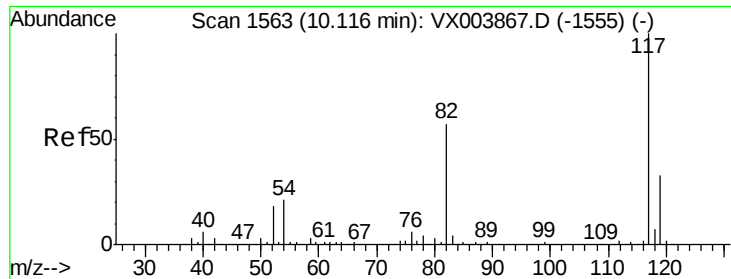
sam
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#62
4-Bromofluorobenzene
Concen: 54.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
95	100			
174	90.4	0.0	182.8	
176	87.7	0.0	179.0	





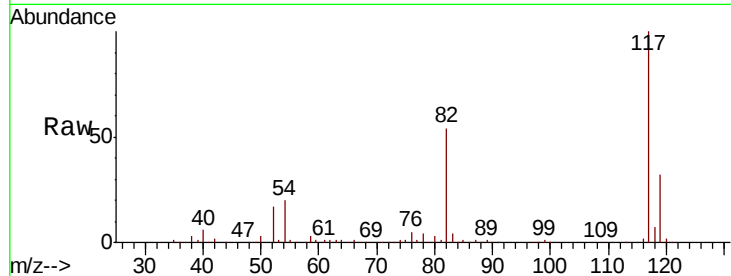
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
FL-0529DL

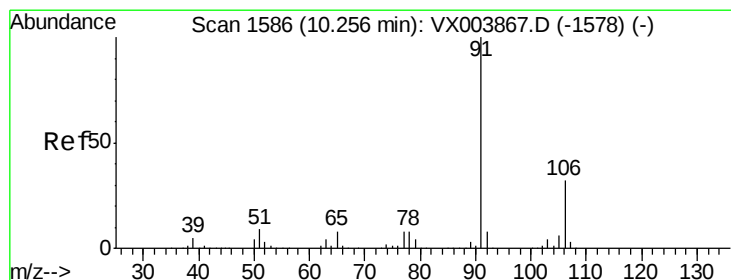
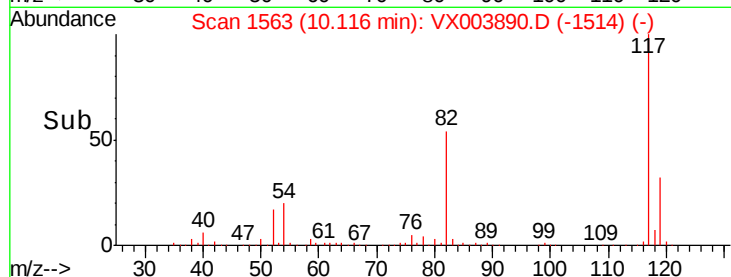
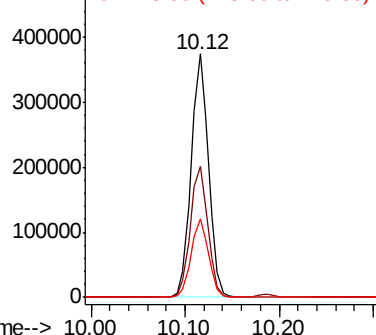
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.4	68.0
119	32.0	26.6	40.0

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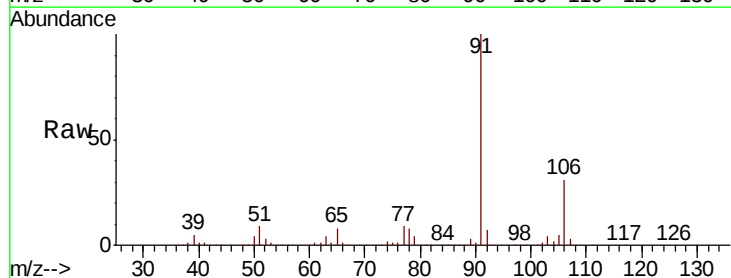


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

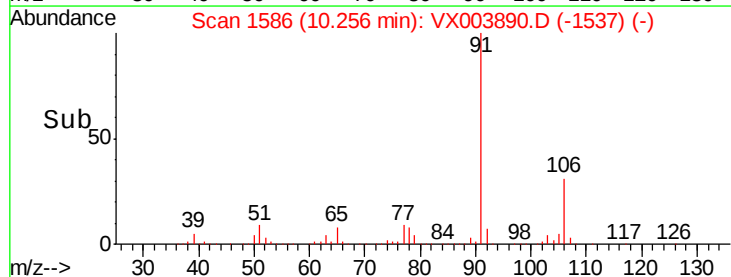
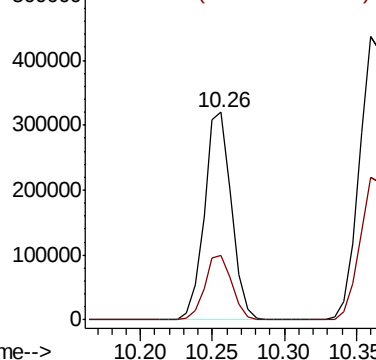


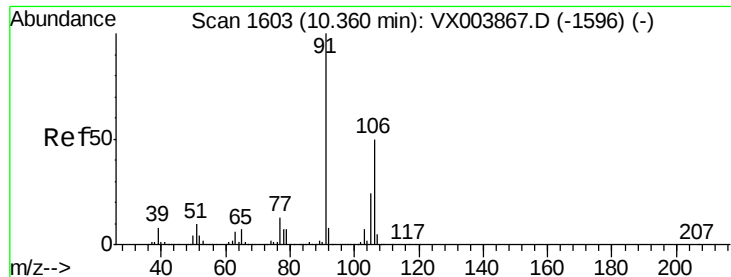
#67
Ethyl Benzene
Concen: 20.66 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.9	38.9



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





#68

m/p-Xylenes

Concen: 37.19 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0529DL

Tot Ion:106 Resp: 295712

Ion Ratio Lower Upper

106 100

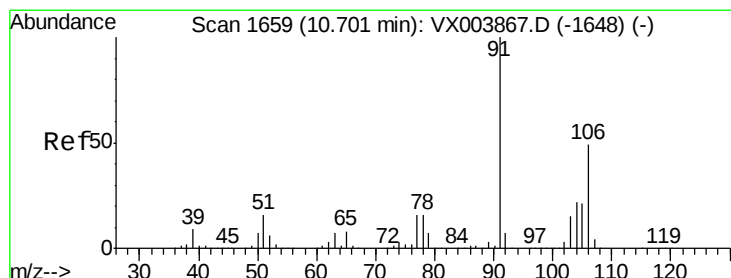
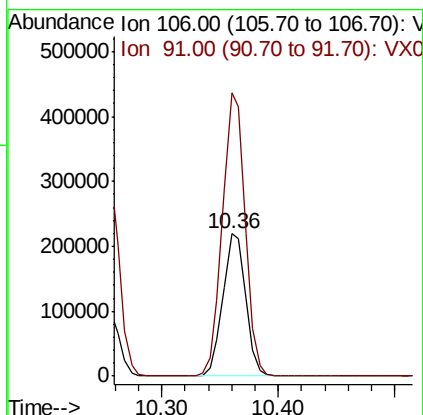
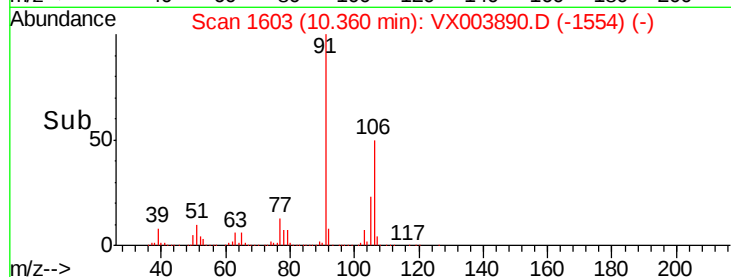
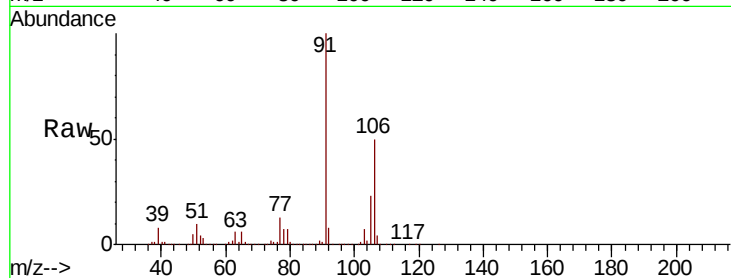
91 199.0 162.3 243.5

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#69

o-Xylene

Concen: 1.92 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003890.D

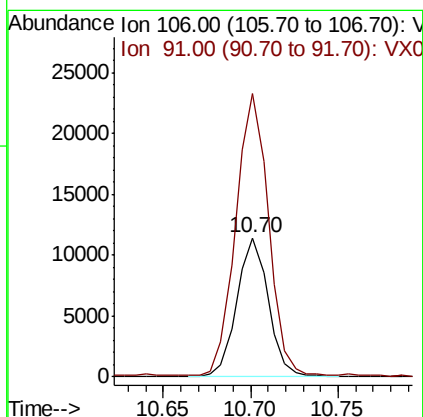
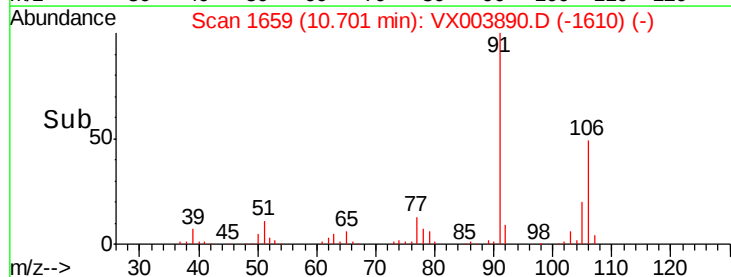
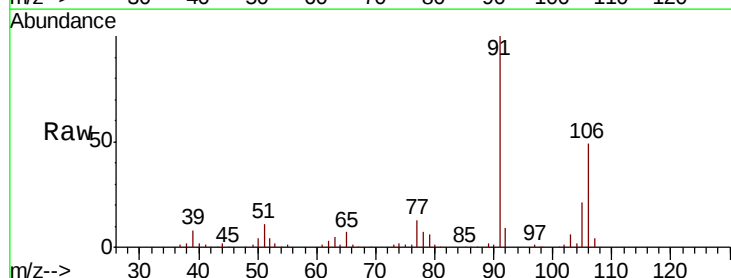
Acq: 07 Aug 2018 19:39

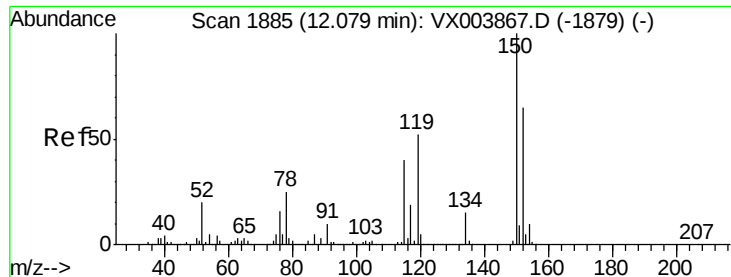
Tgt Ion:106 Resp: 14409

Ion Ratio Lower Upper

106 100

91 214.8 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FL-0529DL

Tot Ion:152 Resp: 251318

Ion Ratio Lower Upper

152 100

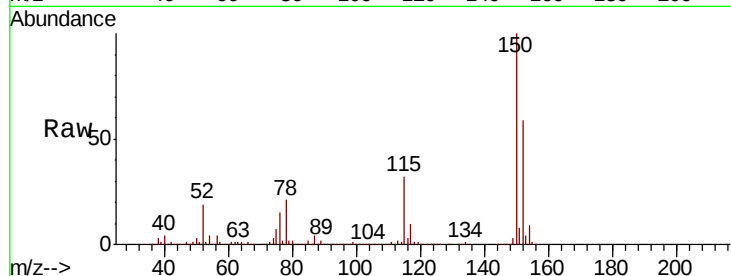
115 56.7 39.1 117.3

150 157.3 0.0 349.2

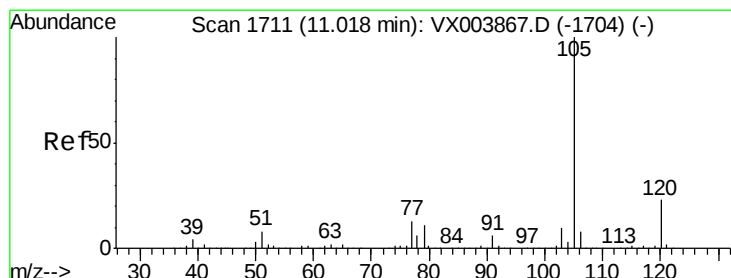
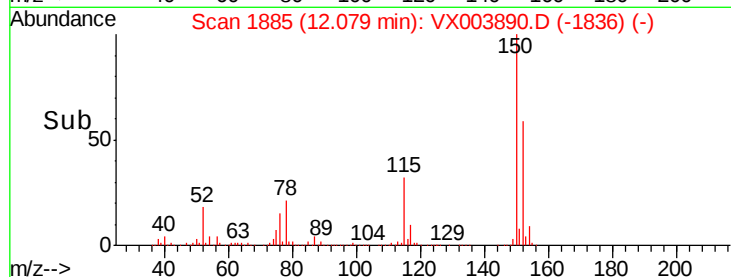
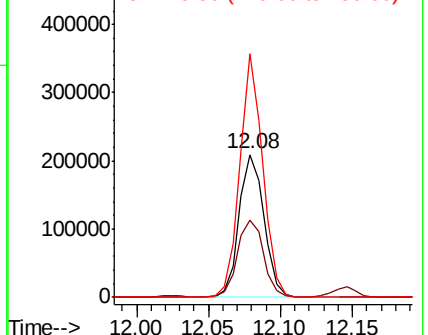
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 7.30 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003890.D

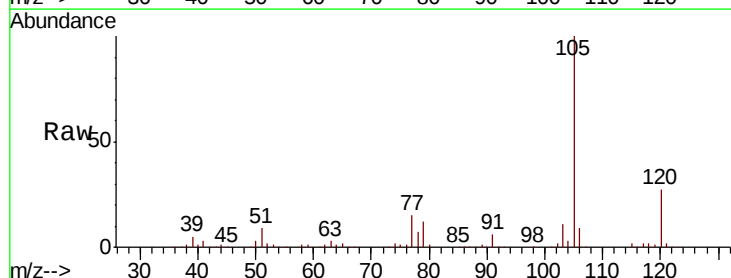
Acq: 07 Aug 2018 19:39

Tgt Ion:105 Resp: 135650

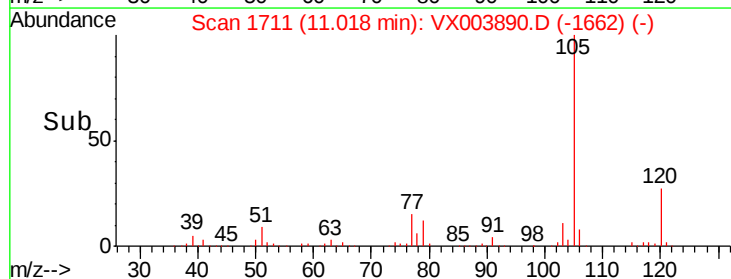
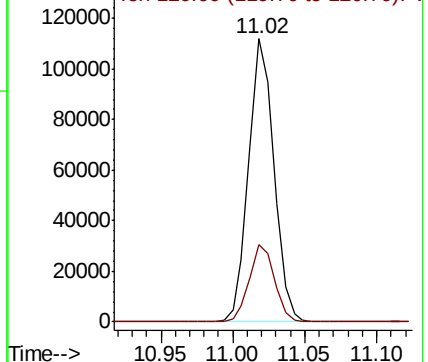
Ion Ratio Lower Upper

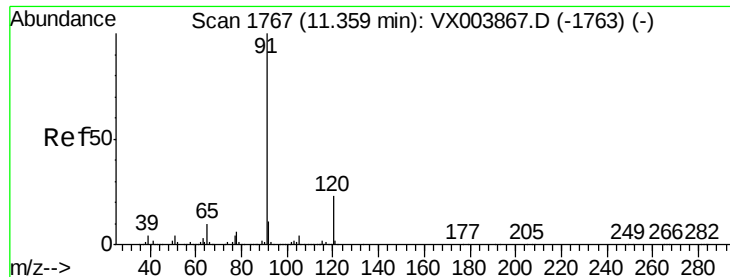
105 100

120 27.1 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: 6.57 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003890.D

Acq: 07 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0529DL

Tot Ion: 91 Resp: 137197

Ion Ratio Lower Upper

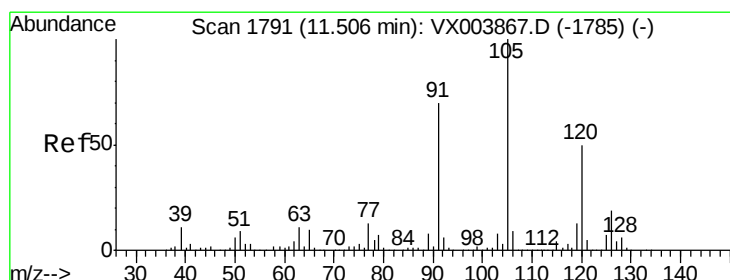
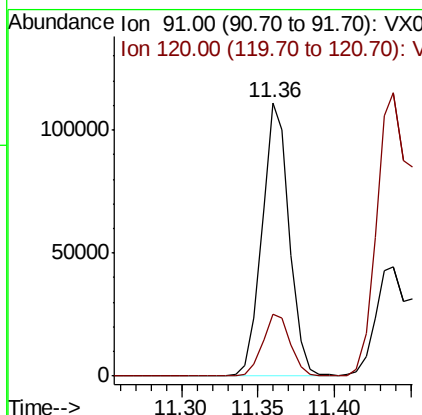
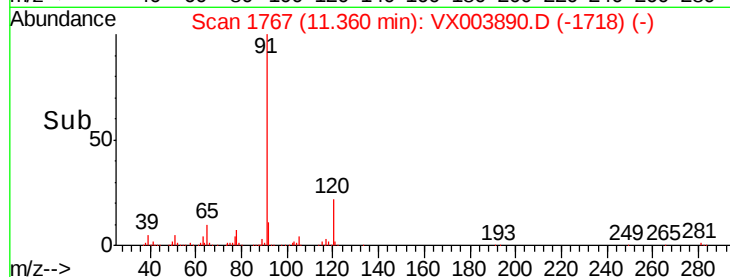
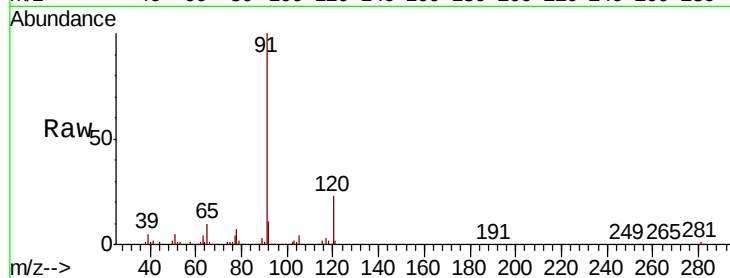
91 100

120 23.2 11.9 35.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.20 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003890.D

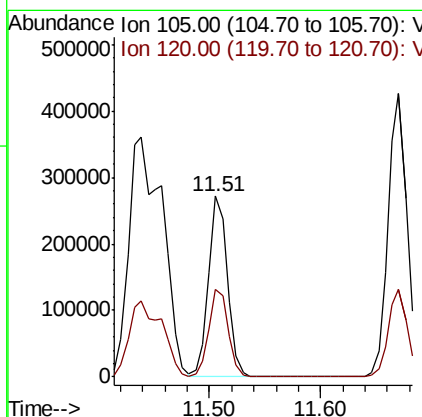
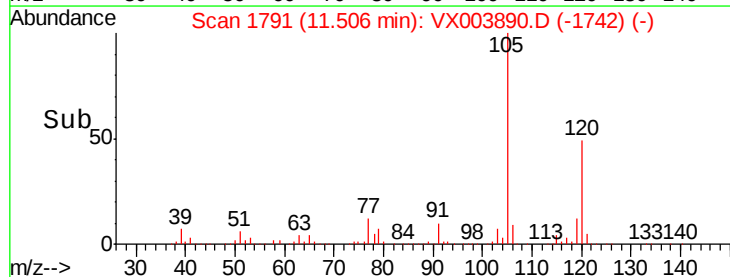
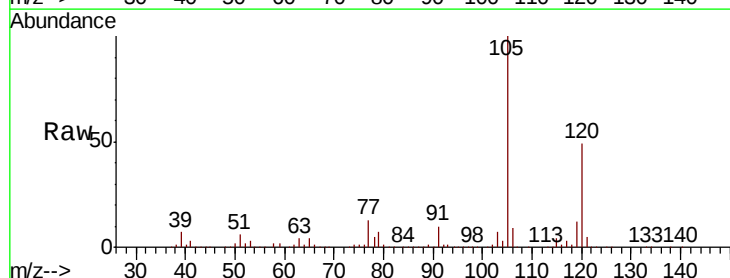
Acq: 07 Aug 2018 19:39

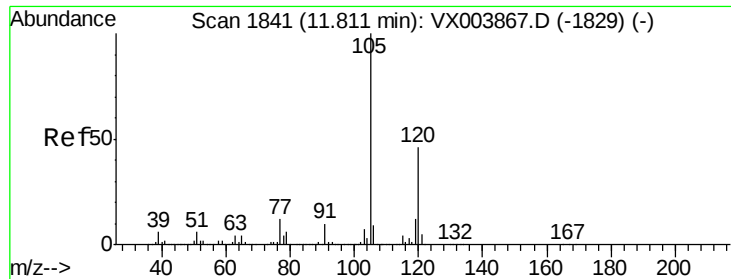
Tgt Ion: 105 Resp: 321353

Ion Ratio Lower Upper

105 100

120 49.5 25.4 76.2





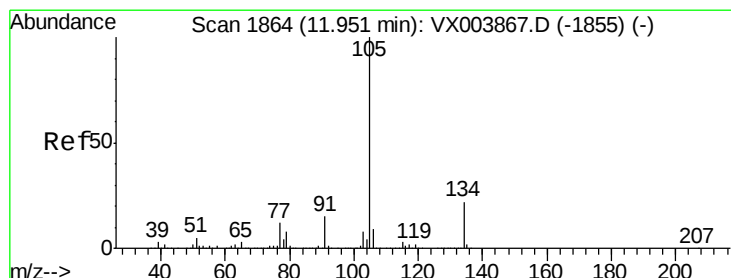
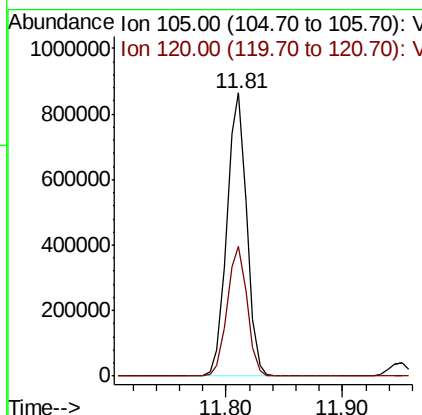
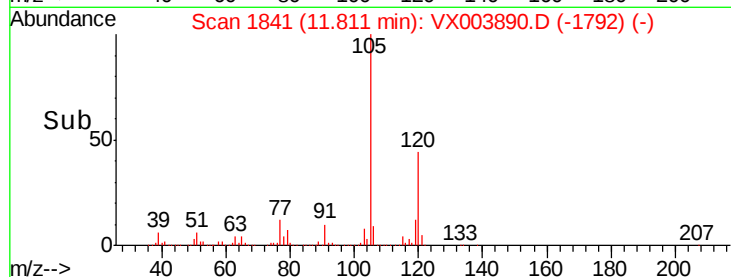
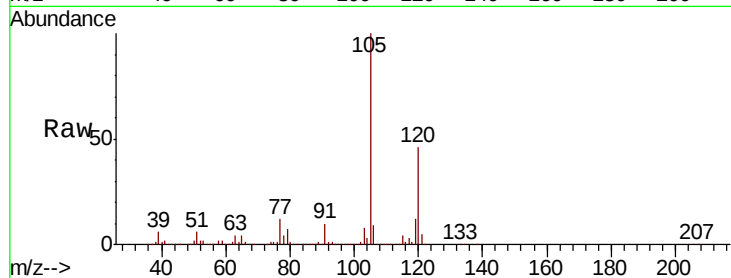
#84
 1,2,4-Trimethylbenzene
 Concen: 66.70 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003890.D
 Acq: 07 Aug 2018 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0529DL

Tot Ion:105 Resp: 1016728
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2

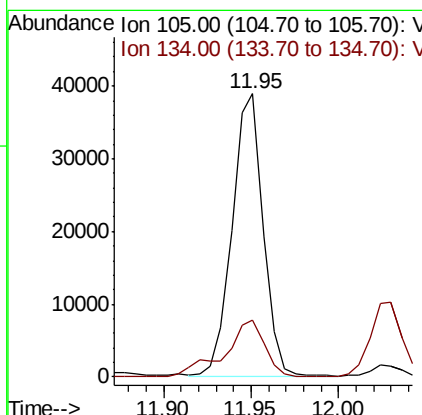
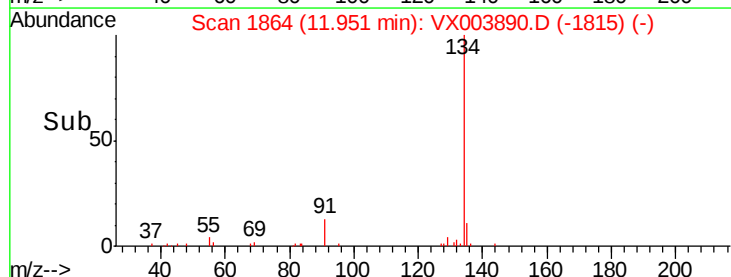
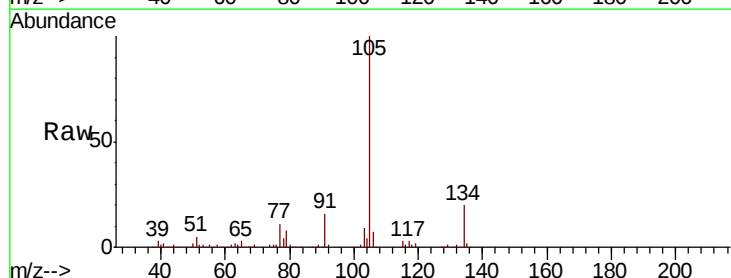
Manual Integrations
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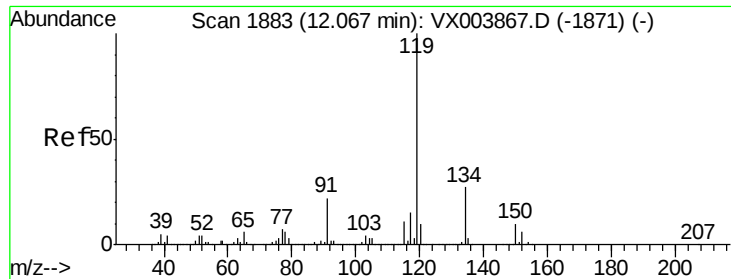
sam
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#85
 sec-Butylbenzene
 Concen: 2.70 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003890.D
 Acq: 07 Aug 2018 19:39

Tgt Ion:105 Resp: 47604
 Ion Ratio Lower Upper
 105 100
 134 26.4 10.3 30.9





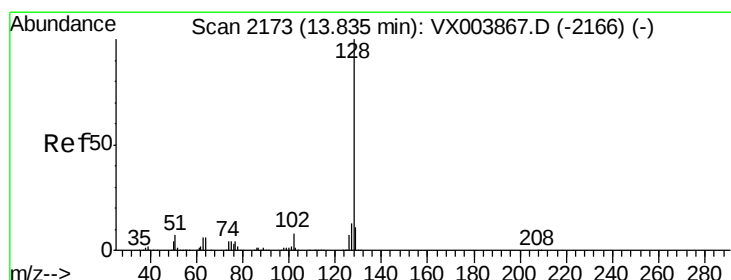
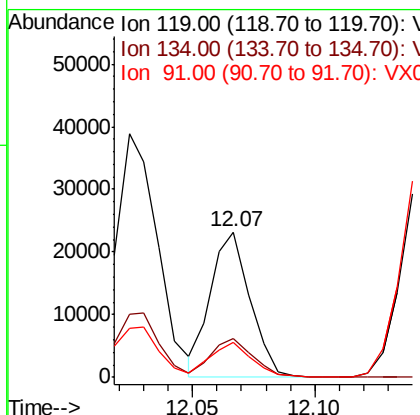
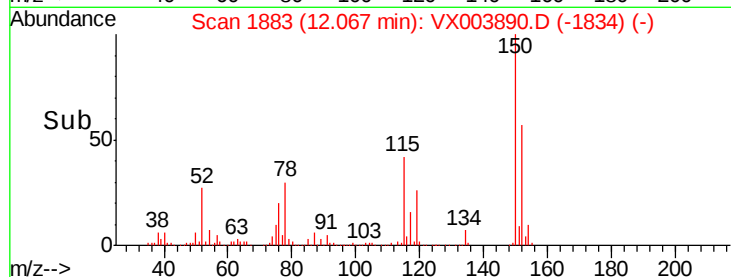
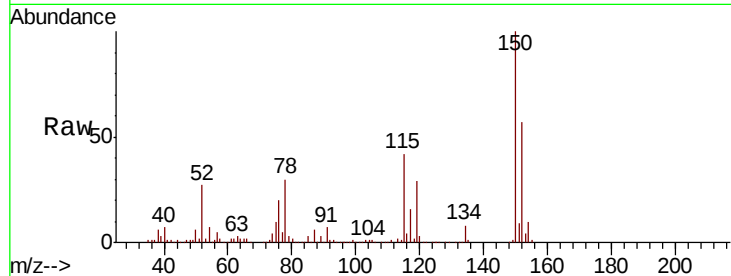
#86
p-Isopropyltoluene
Concen: 1.65 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
FL-0529DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.3	39.8
91	24.9	10.9	32.7

Manual Integrations
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sam
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#95
Naphthalene
Concen: 12.92 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003890.D
Acq: 07 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

