

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003910.D
 Acq On : 08 Aug 2018 05:51
 Operator : JC/MD
 Sample : J4344-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0534

Manual Integrations
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sam
 8/21/2018 4:31:51 PM

Quant Time: Aug 08 14:38:18 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	329341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	494223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	474428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	271140	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	210566	48.23	ug/l	0.00
Spiked Amount						
			Recovery	=	96.46%	
35) Dibromofluoromethane	5.51	113	179472	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	717118	49.25	ug/l	0.00
Spiked Amount						
			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	266530	56.57	ug/l	0.00
Spiked Amount						
			Recovery	=	113.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	104580	16.62	ug/l	98
39) Methylcyclohexane	7.46	83	116170	17.80	ug/l	98
67) Ethyl Benzene	10.26	91	1481042	73.29	ug/l	100
68) m/p-Xylenes	10.36	106	2257676	285.92	ug/l	95
69) o-Xylene	10.70	106	517447	69.42	ug/l	96
73) Isopropylbenzene	11.02	105	101219	5.05	ug/l	96
78) n-propylbenzene	11.36	91	90496	4.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	106307	6.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	502673	30.57	ug/l	98
85) sec-Butylbenzene	11.94	105	53049	2.79	ug/l #	77
86) p-Isopropyltoluene	12.07	119	29291	1.72	ug/l	95
95) Naphthalene	13.83	128	647251	32.05	ug/l	99

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

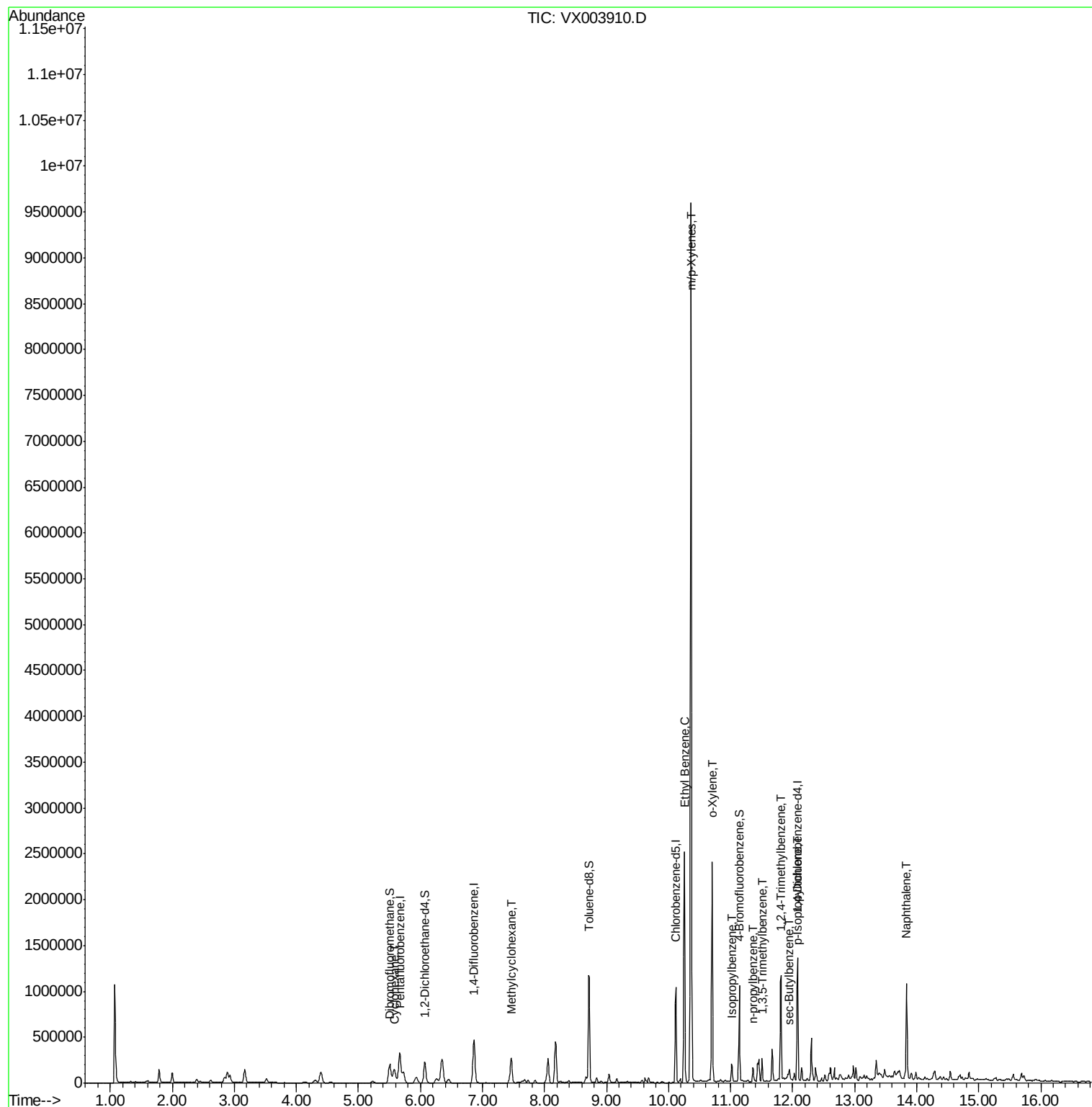
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003910.D
Acq On : 08 Aug 2018 05:51
Operator : JC/MD
Sample : J4344-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

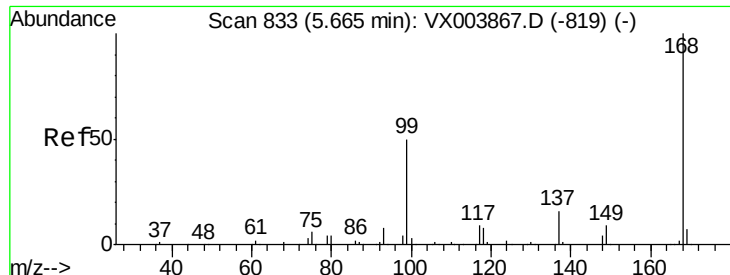
Instrument :
MSVOA_X
ClientSampleId :
FL-0534

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Quant Time: Aug 08 14:38:18 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: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

ClientSampled :

FL-0534

Tot Ion:168 Resp: 329341

Ion Ratio Lower Upper

168 100

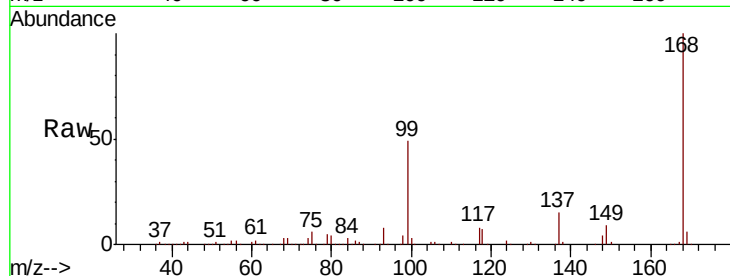
99 49.5 40.1 60.1

Manual Integrations

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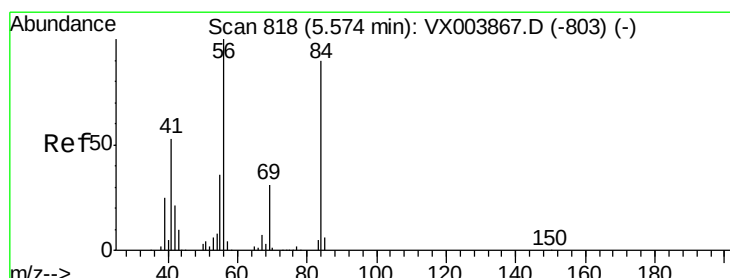
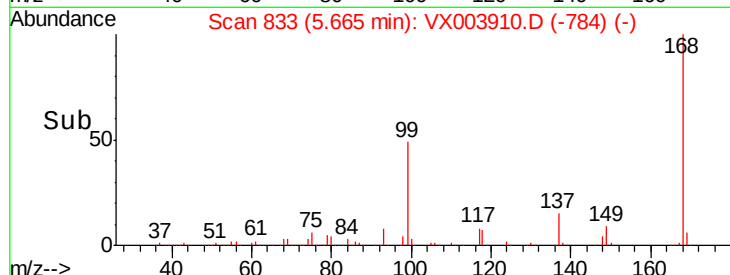
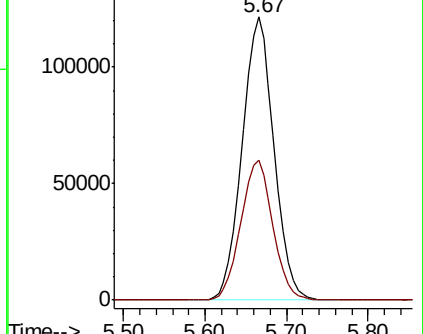
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 16.62 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

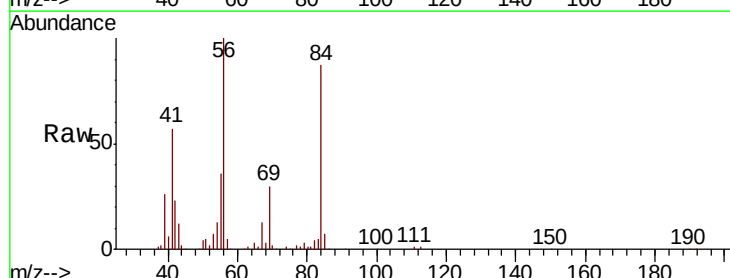
Tgt Ion: 56 Resp: 104580

Ion Ratio Lower Upper

56 100

69 30.0 24.9 37.3

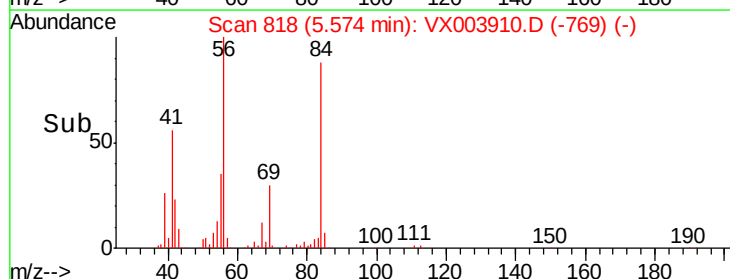
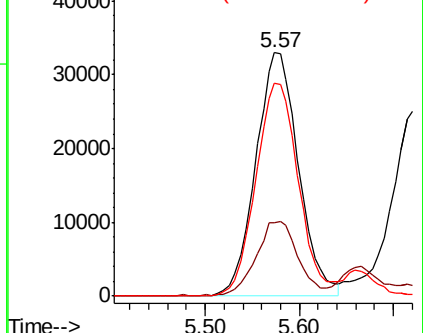
84 87.3 71.7 107.5

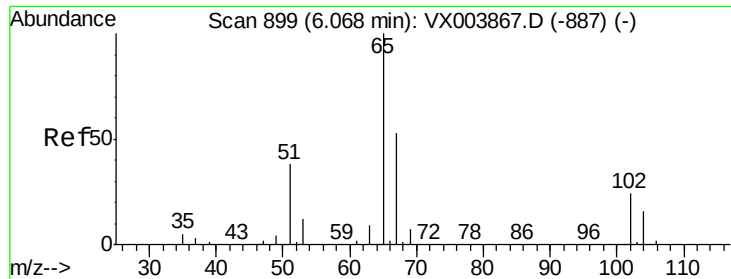


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





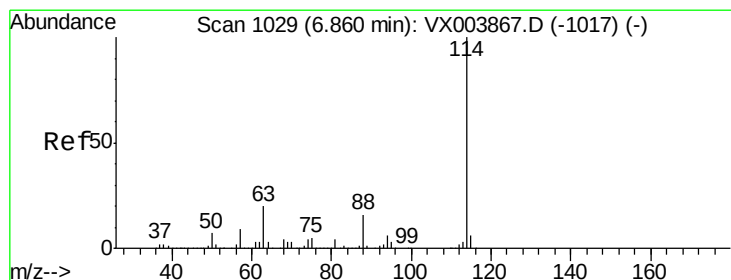
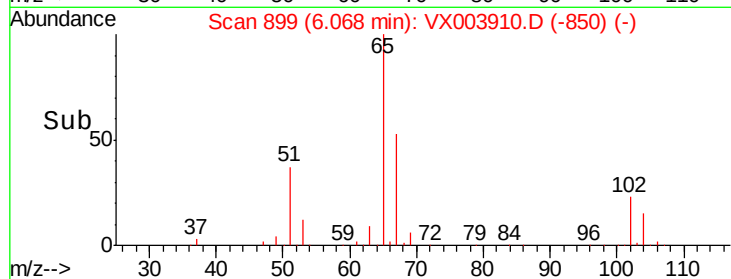
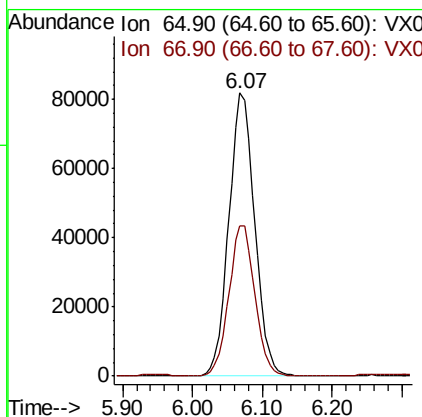
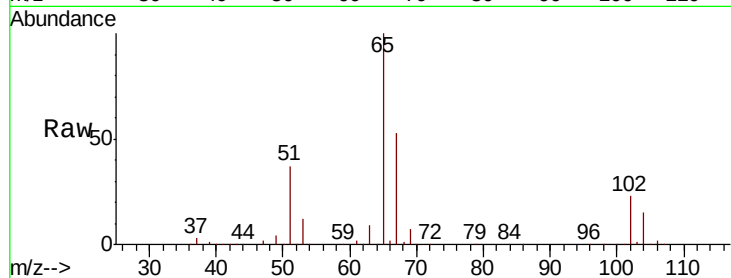
#33
 1,2-Dichloroethane-d4
 Concen: 48.23 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003910.D
 Acq: 08 Aug 2018 05:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0534

Tot Ion	Ratio	Resp	Lower	Upper
65	100	210566		
67	53.2	0.0	105.8	

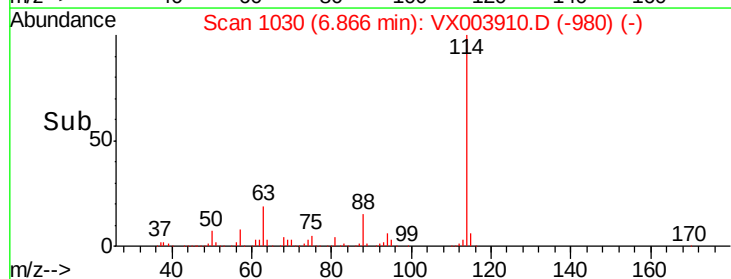
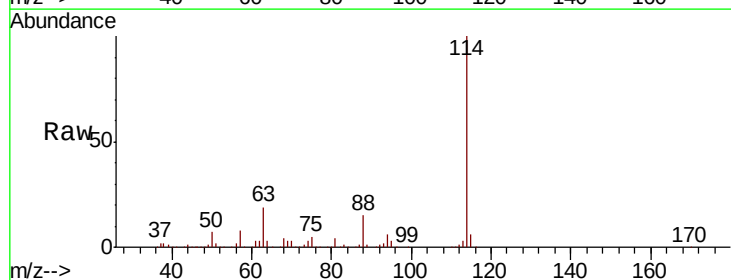
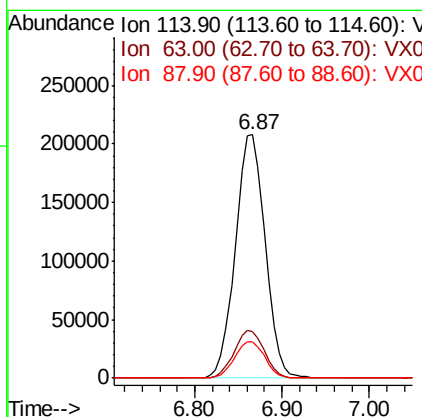
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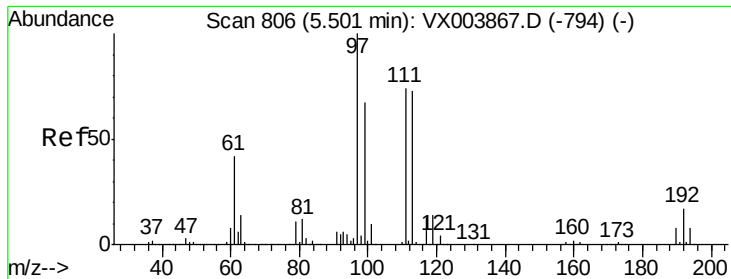
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003910.D
 Acq: 08 Aug 2018 05:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	494223		
63	19.2	0.0	39.0	
88	15.1	0.0	32.0	





#35

Dibromofluoromethane

Concen: 47.93 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

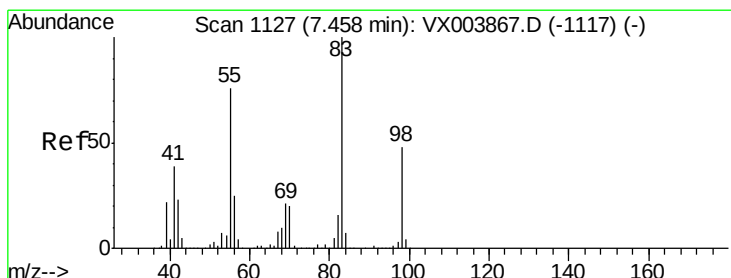
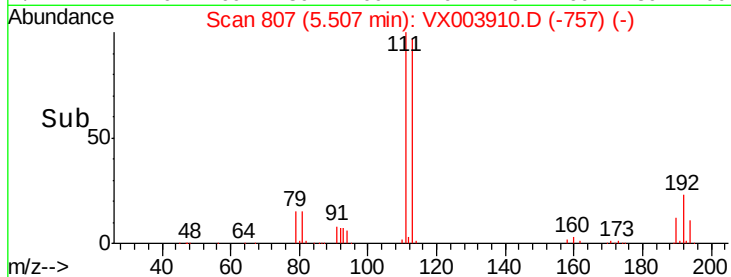
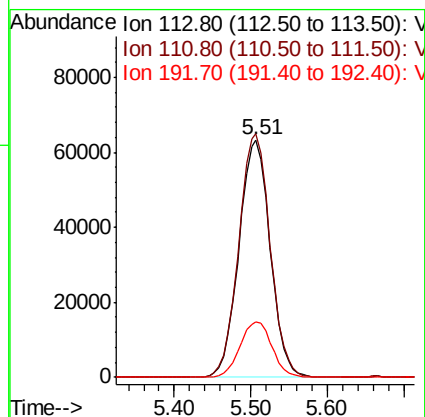
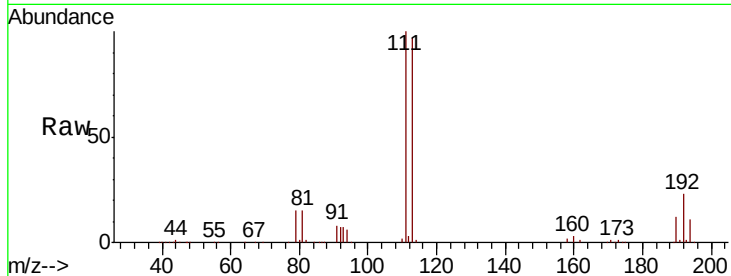
ClientSampleId :

FL-0534

Tot Ion:	113	Resp:	179472
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.0	123.0
192	23.8	19.0	28.4

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#39

Methylcyclohexane

Concen: 17.80 ug/l

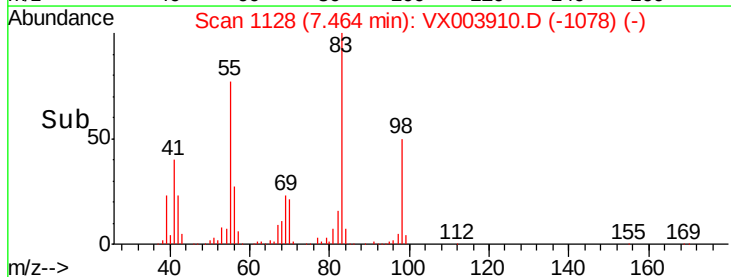
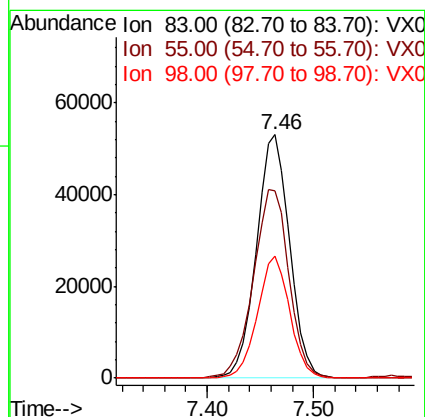
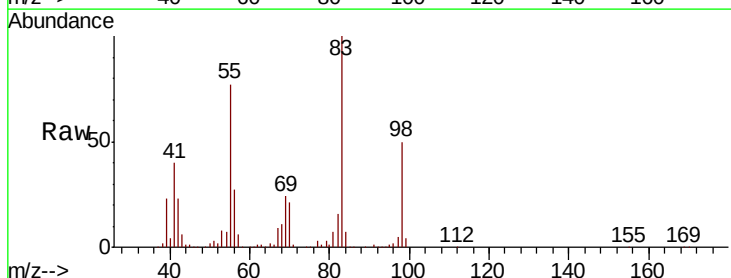
RT: 7.46 min Scan# 1128

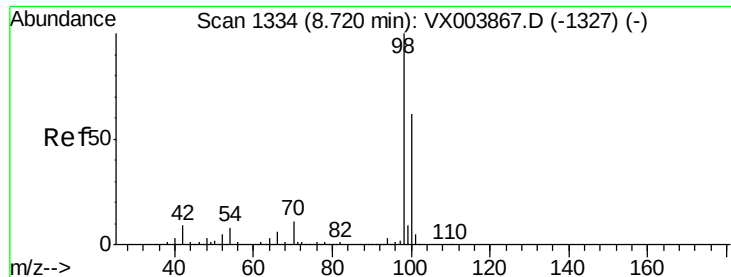
Delta R.T. 0.01 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Tgt Ion:	83	Resp:	116170
Ion Ratio	Lower	Upper	
83	100		
55	77.1	61.0	91.6
98	50.0	38.6	57.8





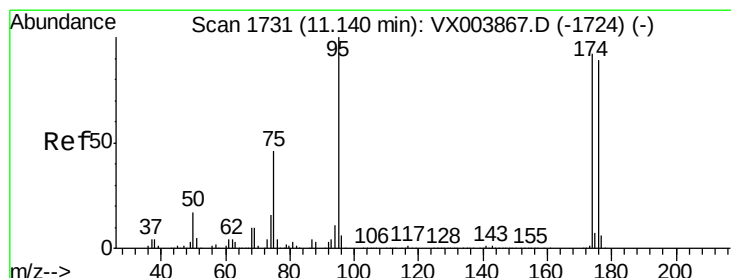
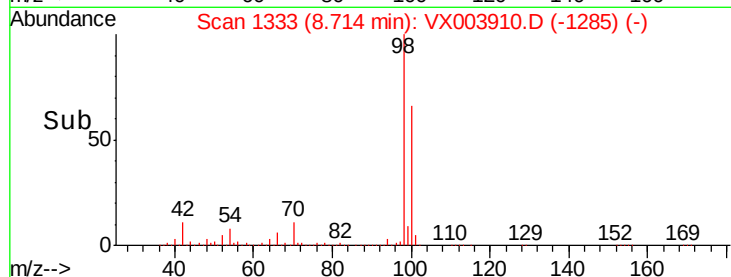
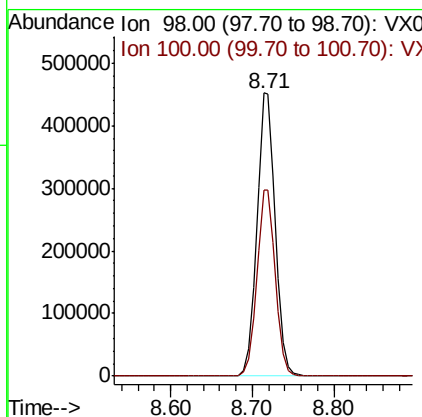
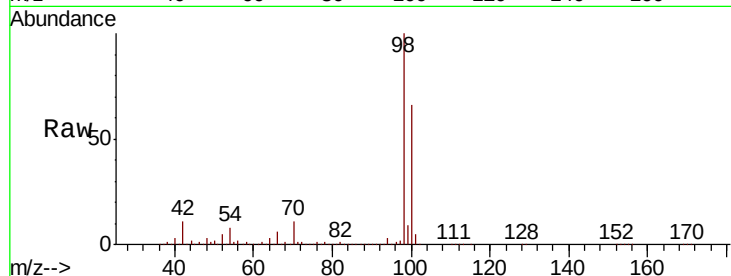
#50
Toluene-d8
Concen: 49.25 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Instrument :
MSVOA_X
ClientSampled :
FL-0534

Tot Ion: 98 Resp: 717118
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9

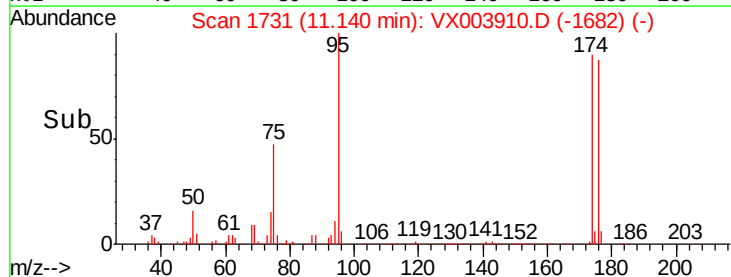
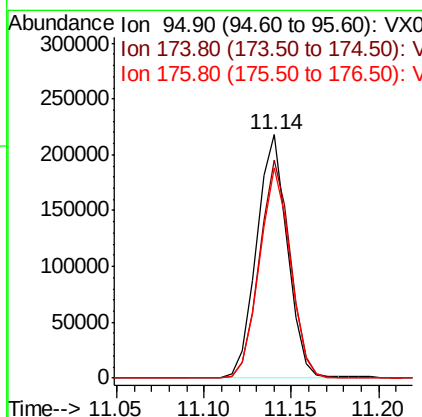
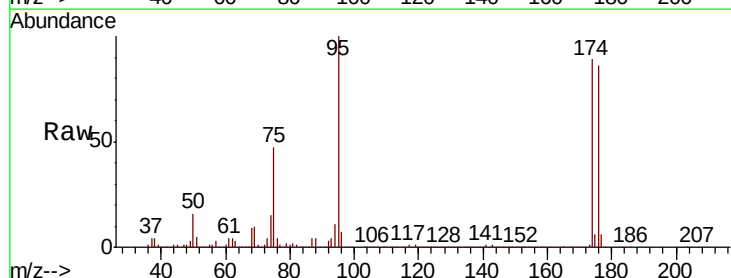
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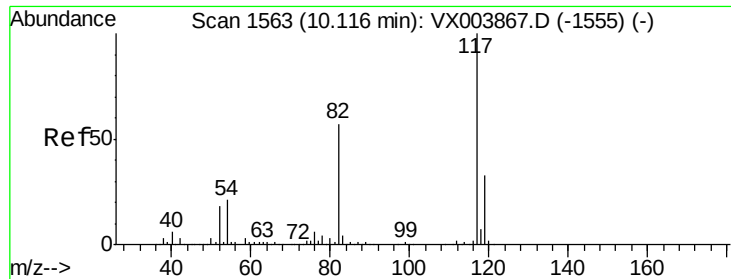
sam
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#62
4-Bromofluorobenzene
Concen: 56.57 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Tgt Ion: 95 Resp: 266530
Ion Ratio Lower Upper
95 100
174 90.3 0.0 182.8
176 87.1 0.0 179.0





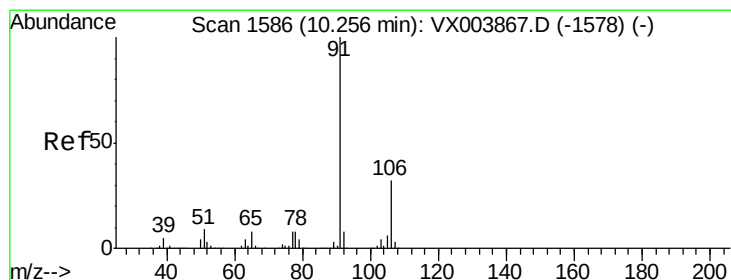
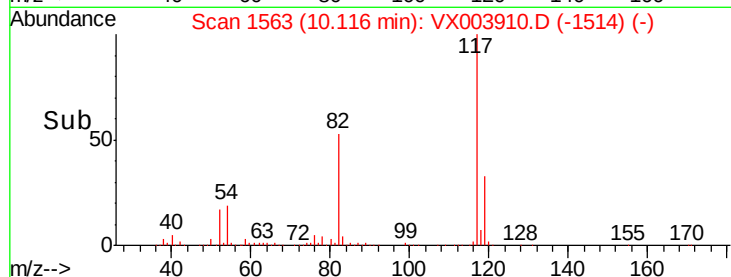
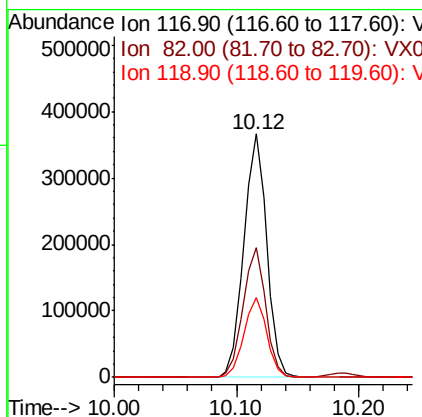
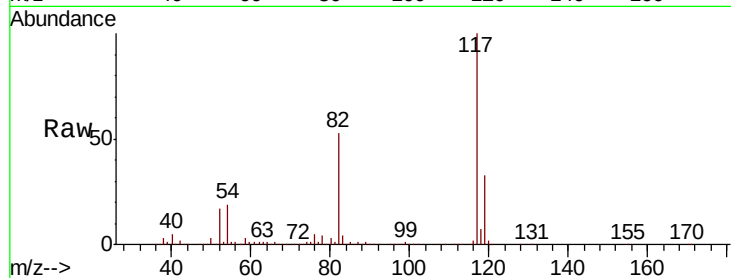
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Instrument :
MSVOA_X
ClientSampled :
FL-0534

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.4	68.0
119	32.6	26.6	40.0

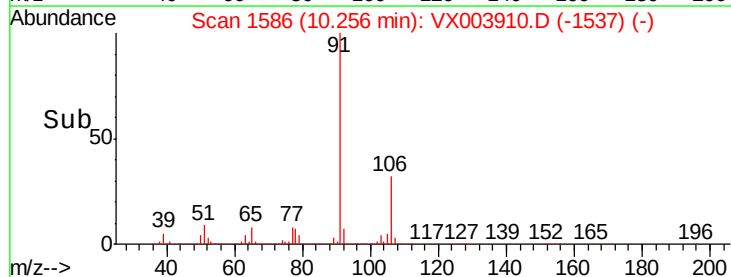
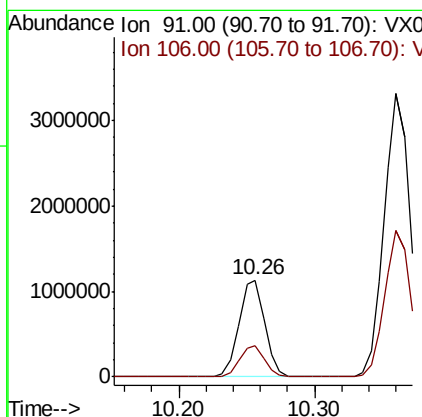
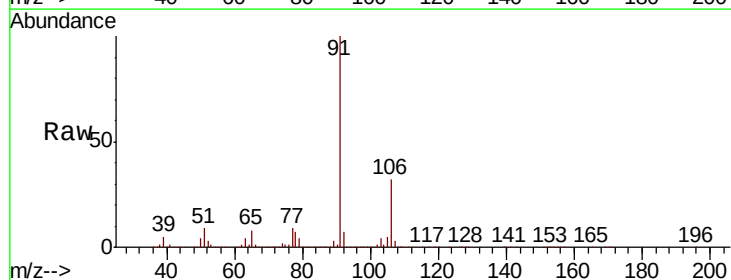
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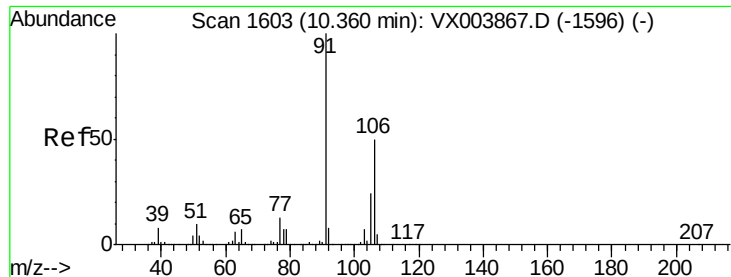
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#67
Ethyl Benzene
Concen: 73.29 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9





#68

m/p-Xylenes

Concen: 285.92 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

ClientSampled :

FL-0534

Tot Ion:106 Resp: 2257676

Ion Ratio Lower Upper

106 100

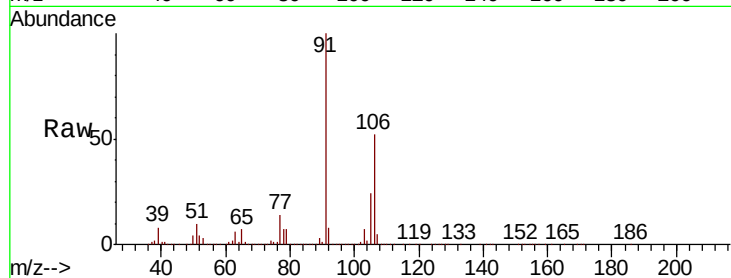
91 194.8 162.3 243.5

Manual Integrations

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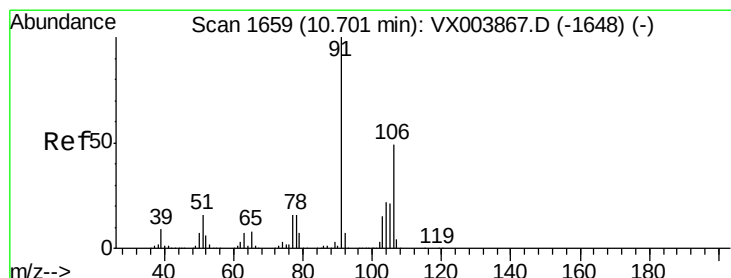
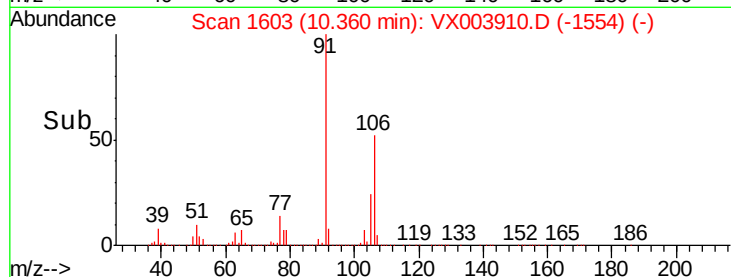
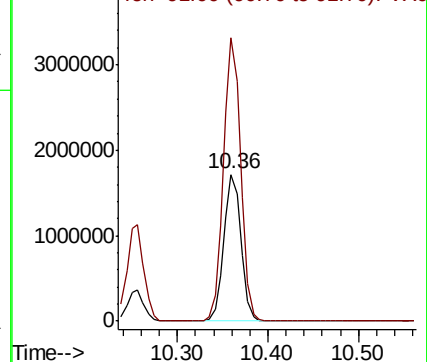
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 69.42 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003910.D

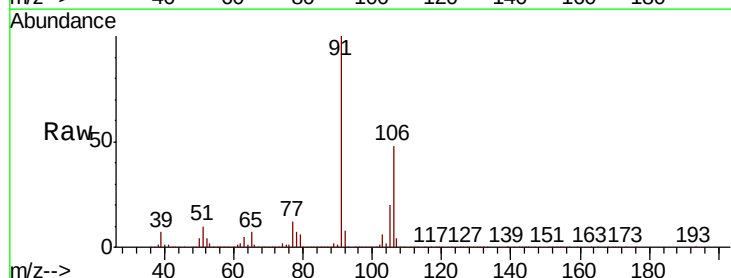
Acq: 08 Aug 2018 05:51

Tgt Ion:106 Resp: 517447

Ion Ratio Lower Upper

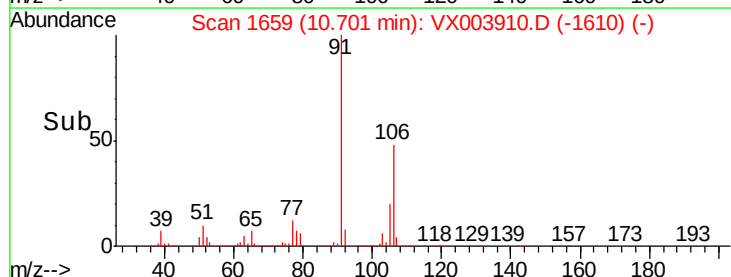
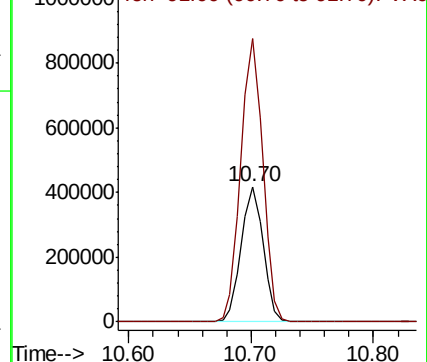
106 100

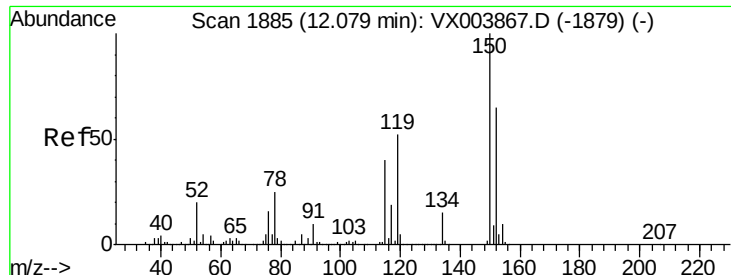
91 210.5 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

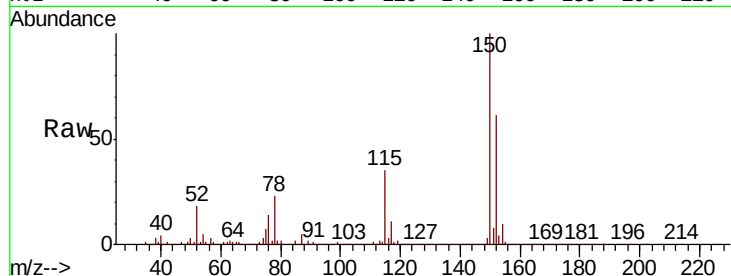
ClientSampled :

FL-0534

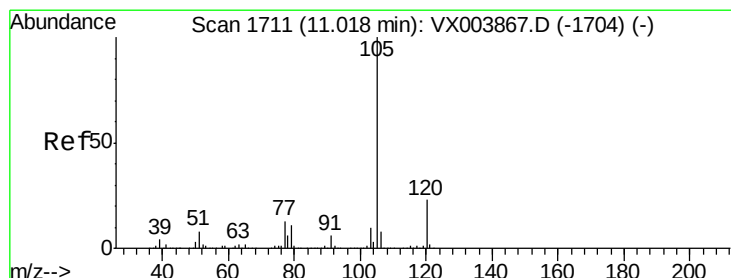
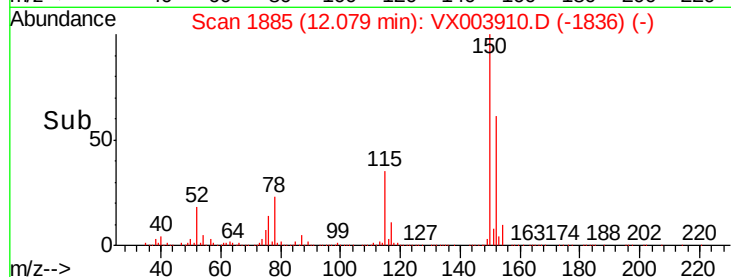
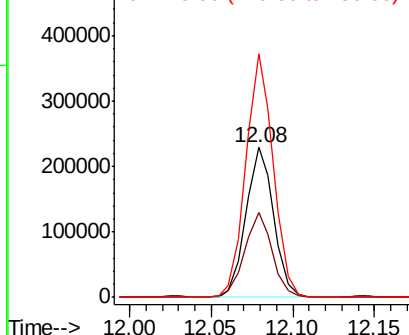
Tot Ion:	152	Resp:	271140
Ion Ratio	Lower	Upper	
152	100		
115	55.9	39.1	117.3
150	160.9	0.0	349.2

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: 5.05 ug/l

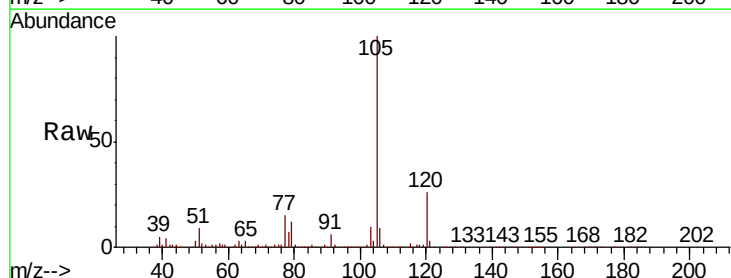
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

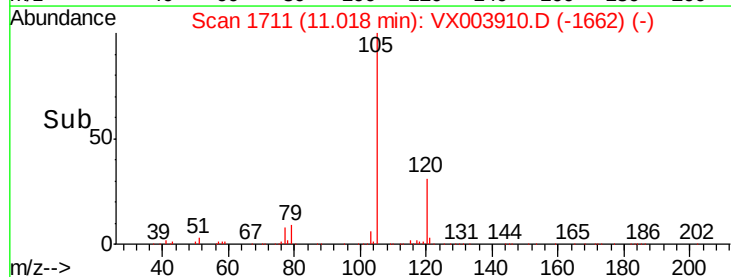
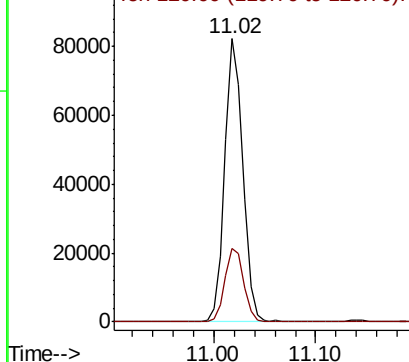
Lab File: VX003910.D

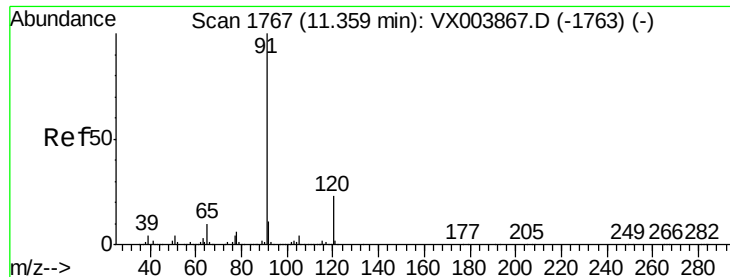
Acq: 08 Aug 2018 05:51

Tgt Ion:	105	Resp:	101219
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: 4.02 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0534

Tot Ion: 91 Resp: 90496

Ion Ratio Lower Upper

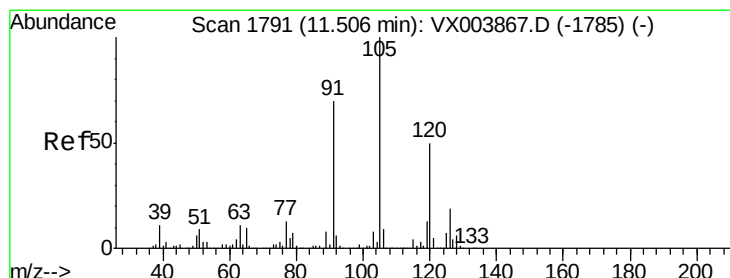
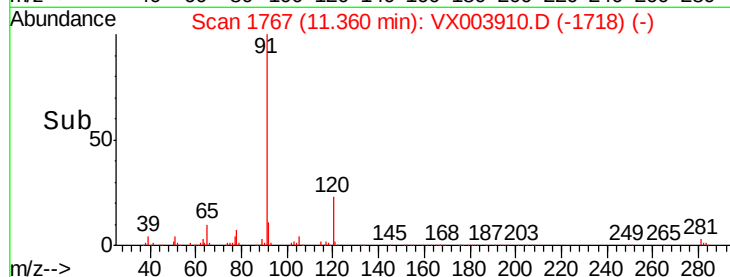
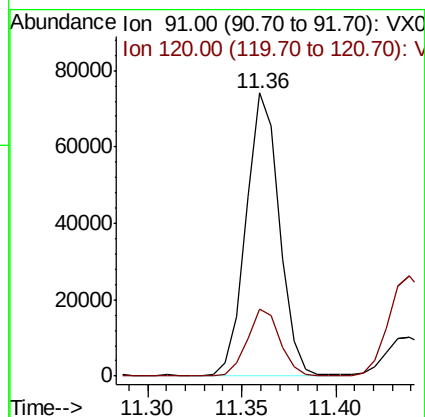
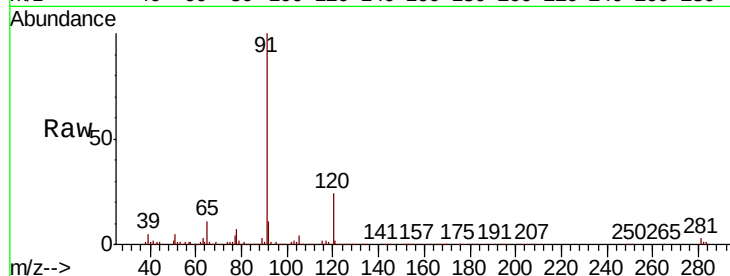
91 100

120 23.4 11.9 35.5

Manual Integrations
APPROVED

sam

8/21/2018 4:31:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 6.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003910.D

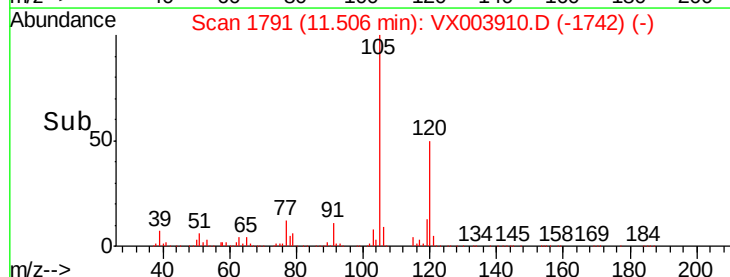
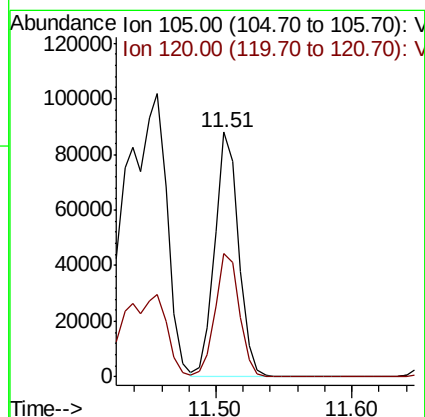
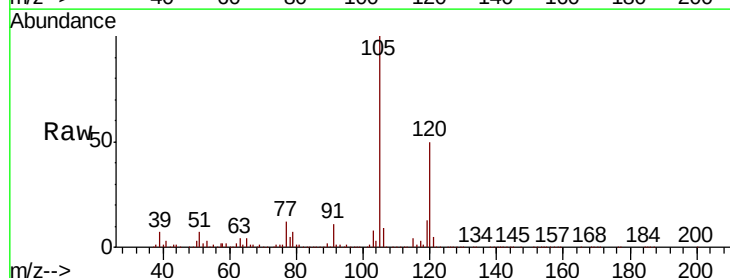
Acq: 08 Aug 2018 05:51

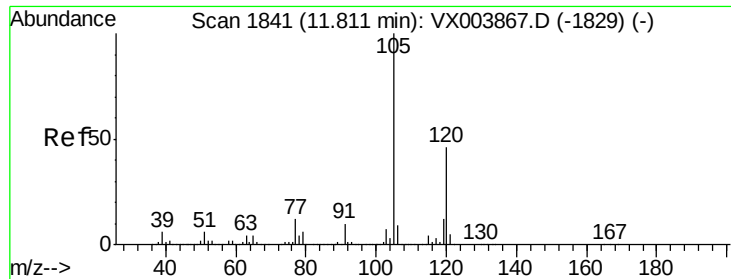
Tgt Ion: 105 Resp: 106307

Ion Ratio Lower Upper

105 100

120 51.4 25.4 76.2





#84

1,2,4-Trimethylbenzene

Concen: 30.57 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003910.D

Acq: 08 Aug 2018 05:51

Instrument :

MSVOA_X

ClientSampled :

FL-0534

Tot Ion:105 Resp: 502673

Ion Ratio Lower Upper

105 100

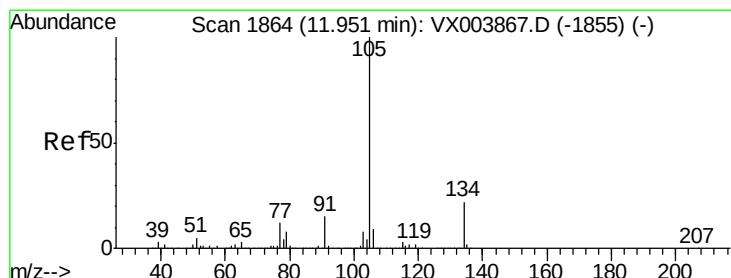
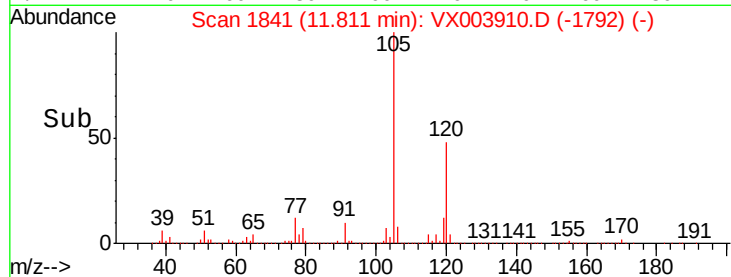
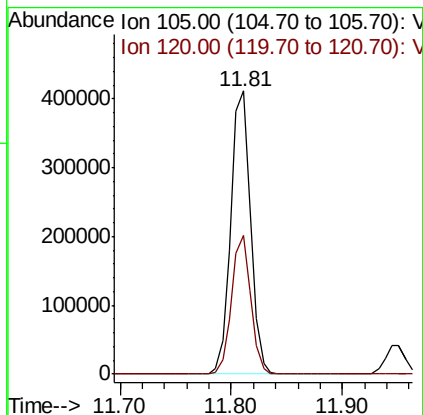
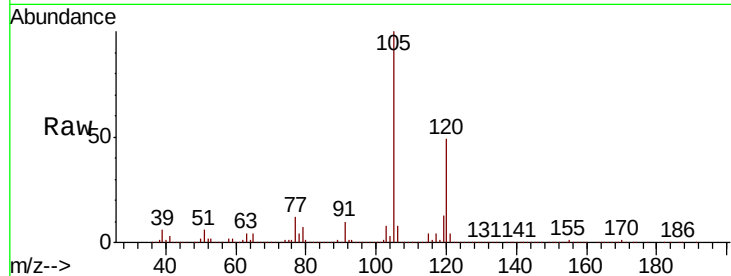
120 47.7 23.1 69.2

Manual Integrations

APPROVED

sam

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#85

sec-Butylbenzene

Concen: 2.79 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003910.D

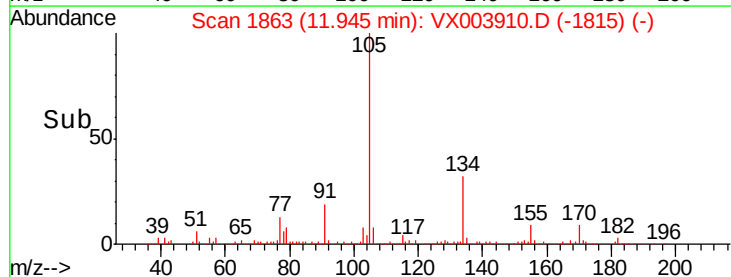
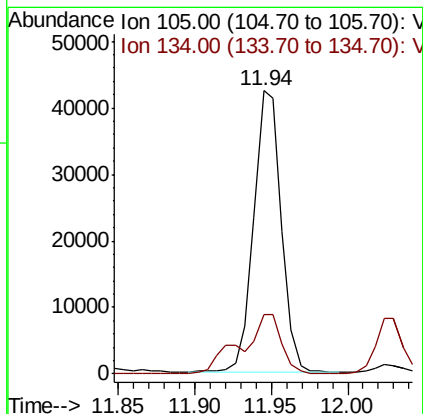
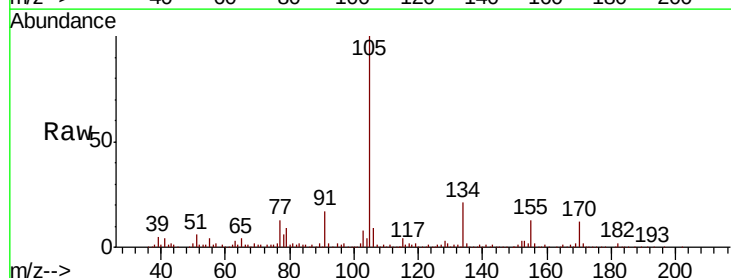
Acq: 08 Aug 2018 05:51

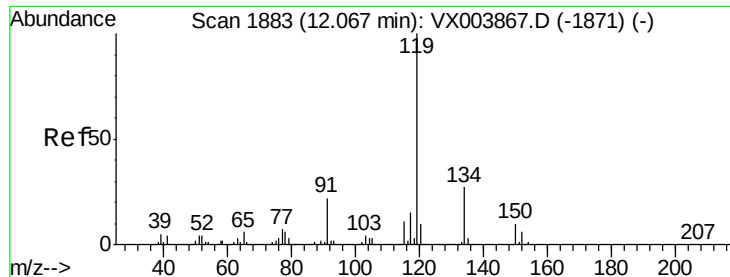
Tgt Ion:105 Resp: 53049

Ion Ratio Lower Upper

105 100

134 31.3 10.3 30.9#





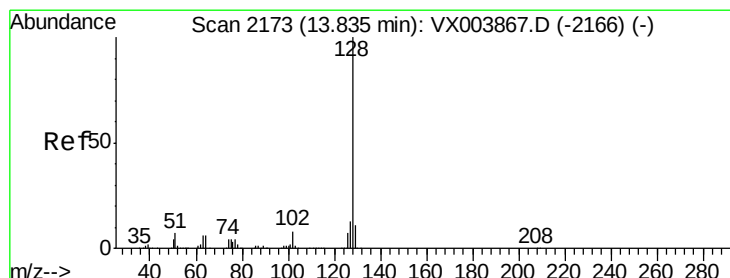
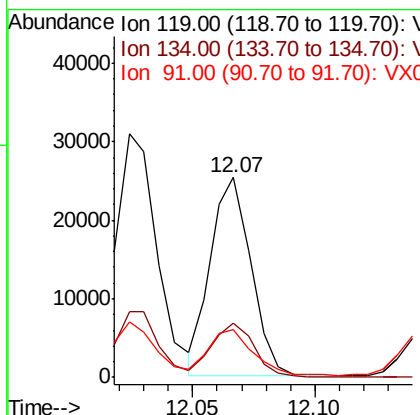
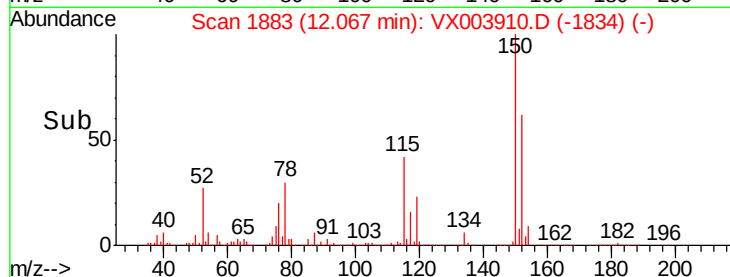
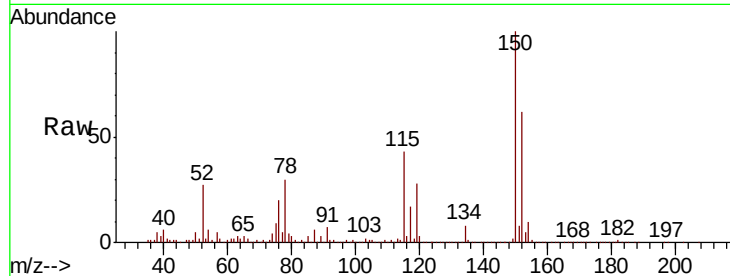
#86
p-Isopropyltoluene
Concen: 1.72 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Instrument :
MSVOA_X
ClientSampled :
FL-0534

Tot Ion	Ratio	Resp	Lower	Upper
119	100	29291		
134	28.4	13.3	39.8	
91	24.6	10.9	32.7	

Manual Integrations
APPROVED

sam
8/21/2018 4:31:51 PM



#95
Naphthalene
Concen: 32.05 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003910.D
Acq: 08 Aug 2018 05:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	647251		
127	12.9	10.2	15.2	
129	11.3	8.8	13.2	

