

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004138.D
 Acq On : 17 Aug 2018 17:56
 Operator : JC/MD
 Sample : J4522-07DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Manual Integrations
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 8/20/2018 10:04:32 AM

Quant Time: Aug 18 05:24:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218618	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	194103	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
35) Dibromofluoromethane	5.51	113	167047	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	8.72	98	617392	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	218994	46.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4794	1.47	ug/l	97
11) Tert butyl alcohol	3.05	59	27991	36.09	ug/l	100
16) Acetone	2.44	43	3794	1.89	ug/l	95
18) Methyl Acetate	2.77	43	2221m	0.50	ug/l	
19) Methyl tert-butyl Ether	3.20	73	36118	3.57	ug/l #	1
22) Diisopropyl ether	3.87	45	2884	0.27	ug/l #	76
31) Cyclohexane	5.57	56	8924	1.68	ug/l #	83
39) Methylcyclohexane	7.45	83	5229	0.94	ug/l #	61
40) Benzene	6.14	78	200194	13.62	ug/l	99
52) Toluene	8.79	92	6577	0.71	ug/l	93
67) Ethyl Benzene	10.25	91	80004	4.85	ug/l	97
68) m/p-Xylenes	10.36	106	3218	0.50	ug/l	99
73) Isopropylbenzene	11.02	105	16483	1.11	ug/l	97
78) n-propylbenzene	11.36	91	47682	2.88	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	17970	1.43	ug/l	100
85) sec-Butylbenzene	11.94	105	16136	1.13	ug/l	99
89) n-Butylbenzene	12.39	91	15592m	1.53	ug/l	
95) Naphthalene	13.83	128	9710	1.76	ug/l #	84

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

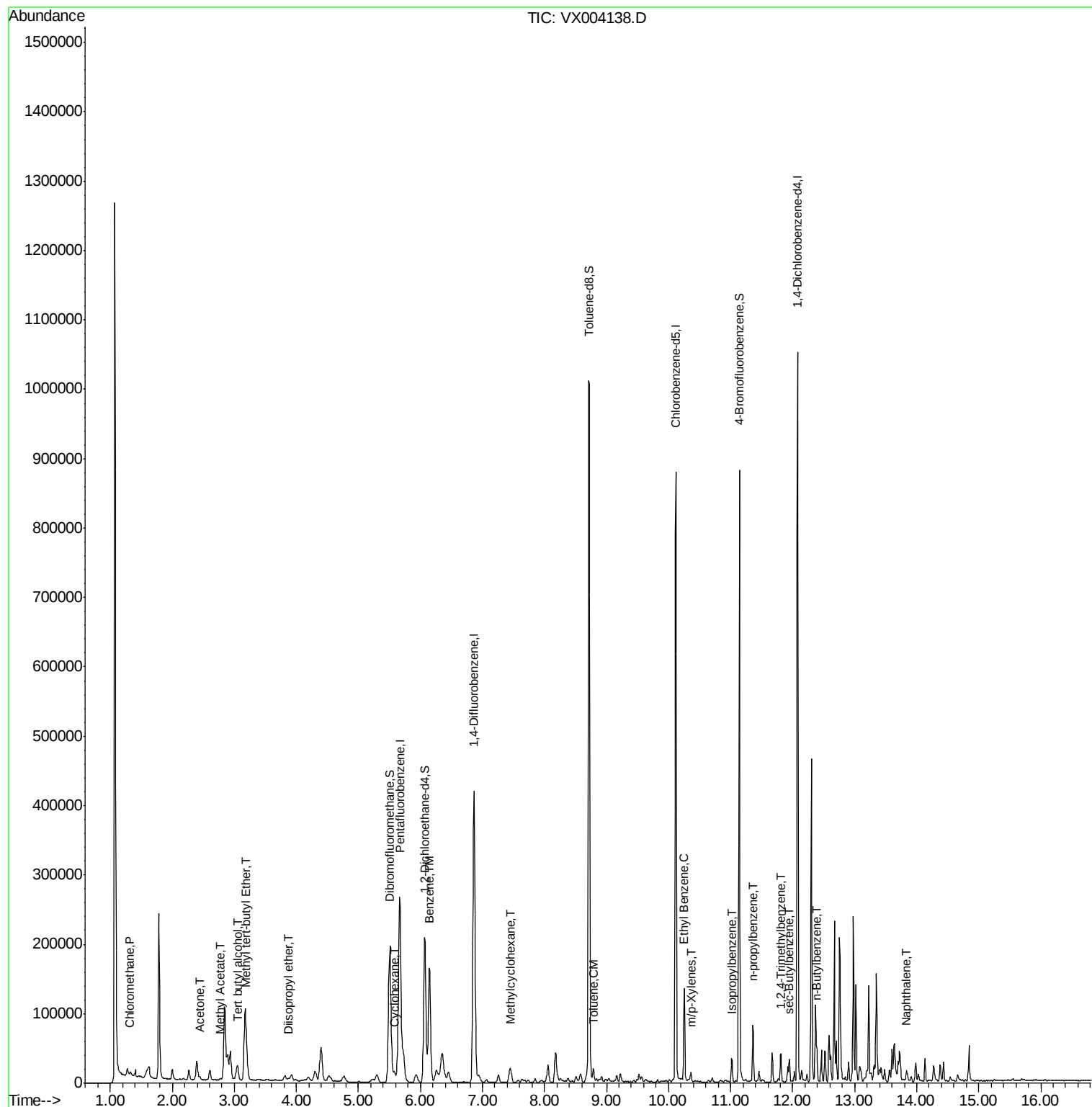
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004138.D
Acq On : 17 Aug 2018 17:56
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
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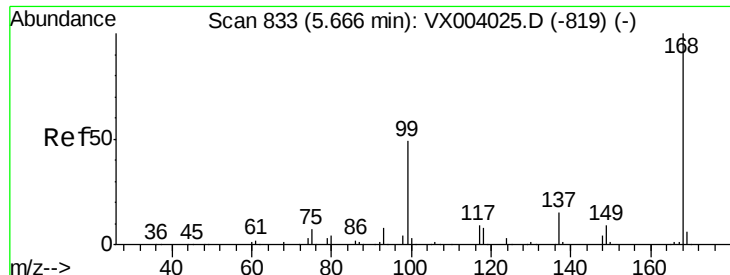
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

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Quant Time: Aug 18 05:24:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 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: VX004138.D

Acq: 17 Aug 2018 17:56

Instrument :

MSVOA_X

ClientSampled :

MW-2DL

Tot Ion:168 Resp: 273322

Ion Ratio Lower Upper

168 100

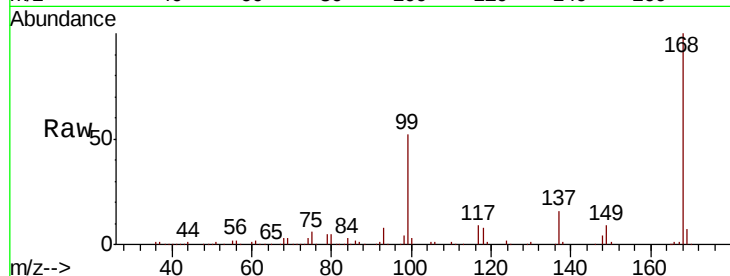
99 51.6 40.1 60.1

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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

80000

60000

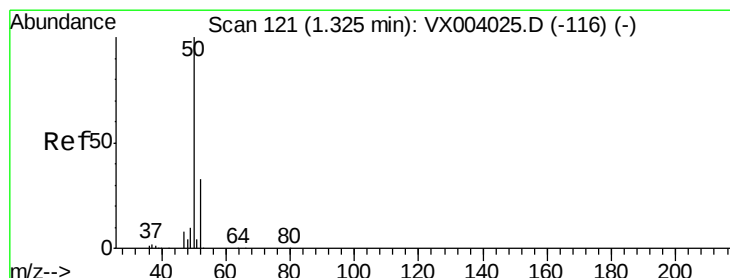
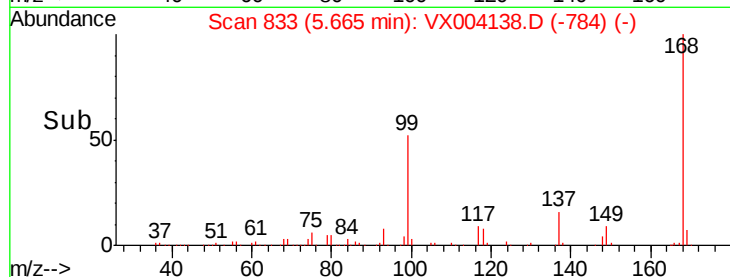
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004138.D

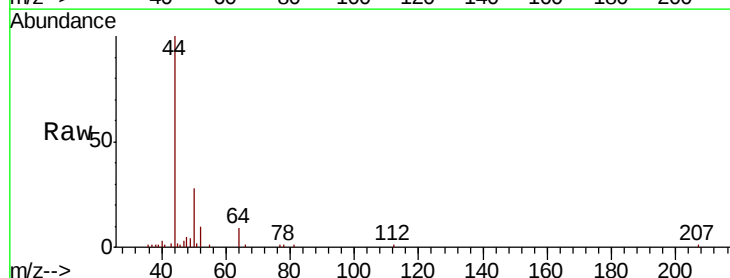
Acq: 17 Aug 2018 17:56

Tgt Ion: 50 Resp: 4794

Ion Ratio Lower Upper

50 100

52 35.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

1500

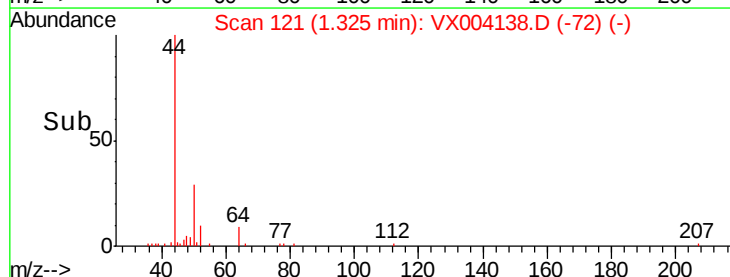
1000

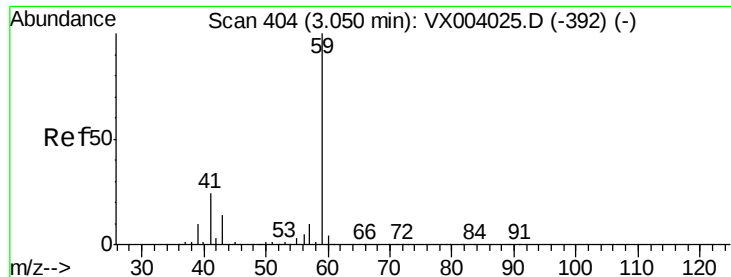
500

0

Time-->

1.30 1.35 1.40





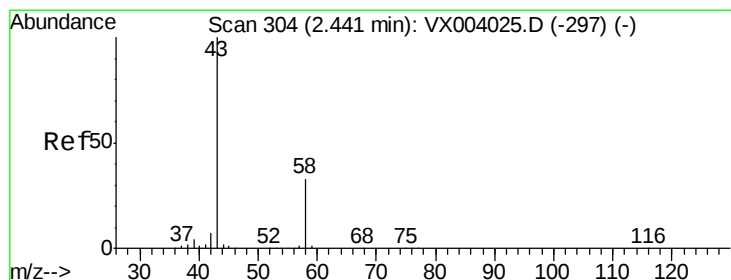
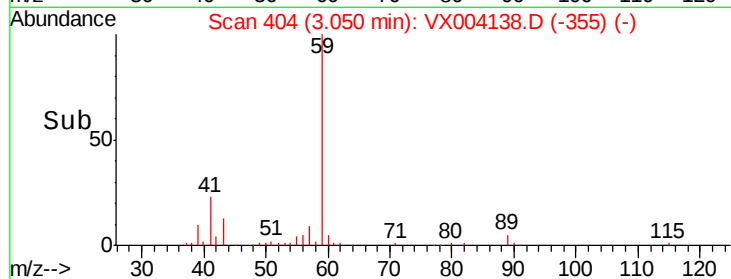
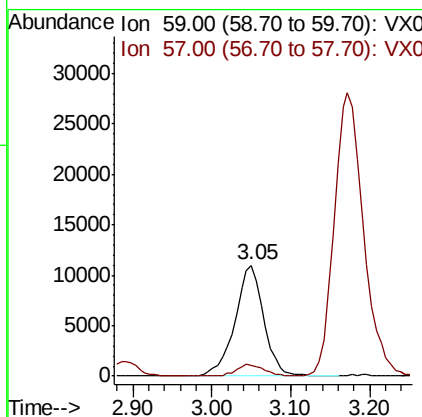
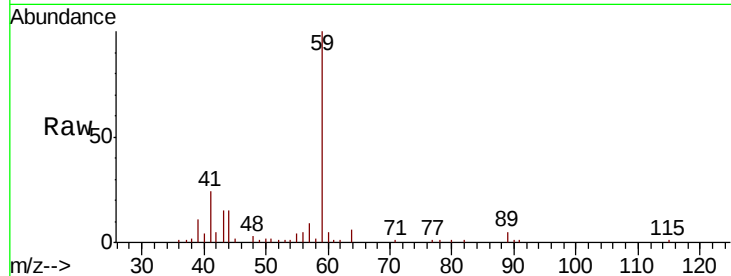
#11
Tert butyl alcohol
Concen: 36.09 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampled :
MW-2DL

Tot Ion	59	Resp	27991
Ion Ratio	100	Lower	Upper
57	10.2	8.1	12.1

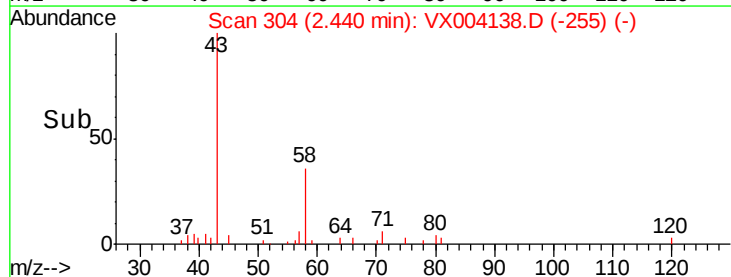
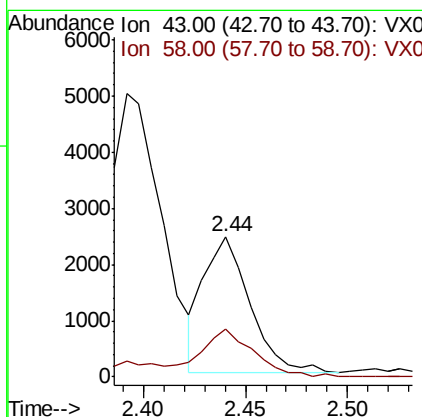
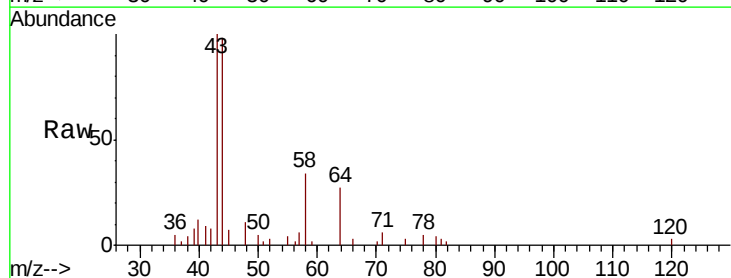
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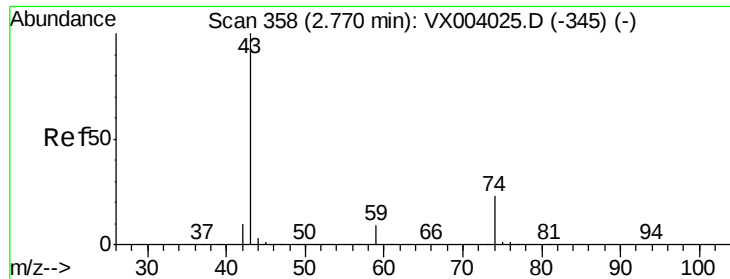
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#16
Acetone
Concen: 1.89 ug/l
RT: 2.44 min Scan# 304
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	43	Resp	3794
Ion Ratio	100	Lower	Upper
58	35.7	26.4	39.6





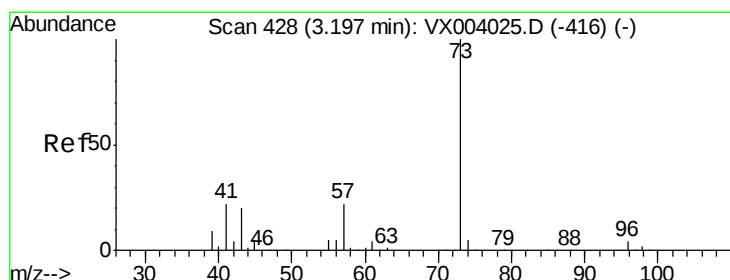
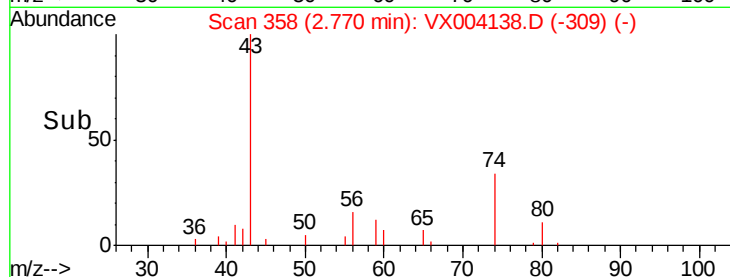
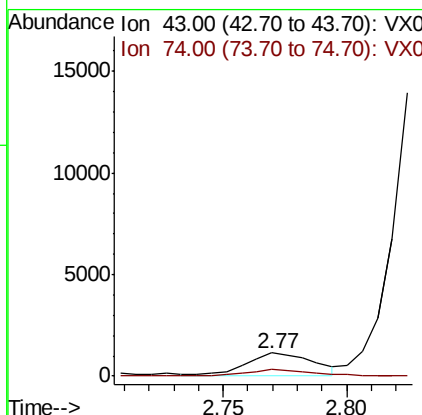
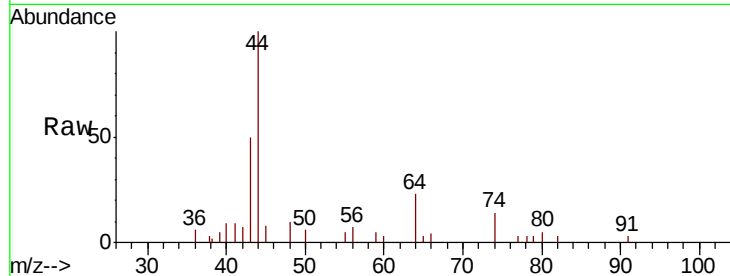
#18
Methyl Acetate
Concen: 0.50 ug/l m
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

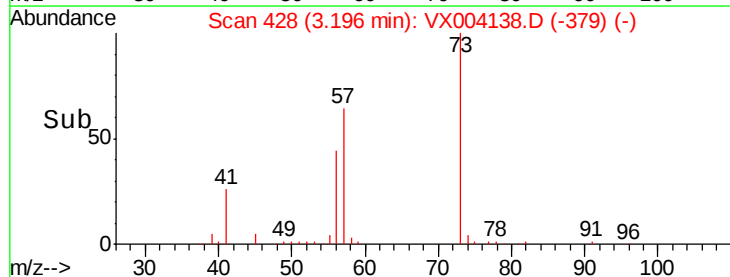
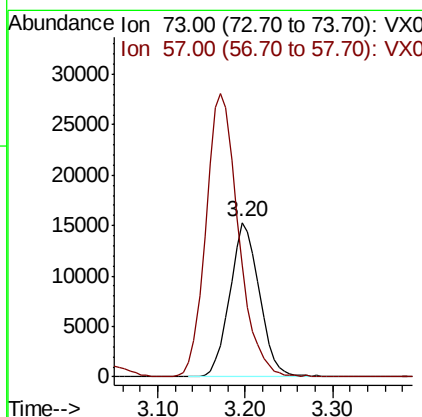
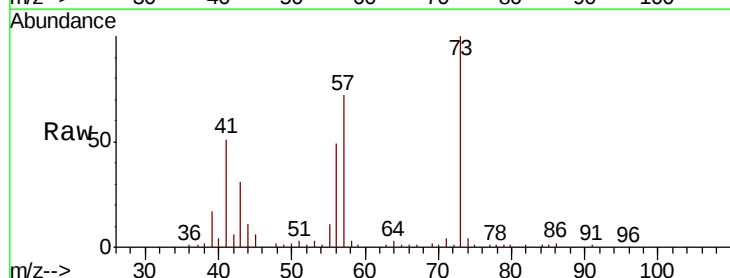
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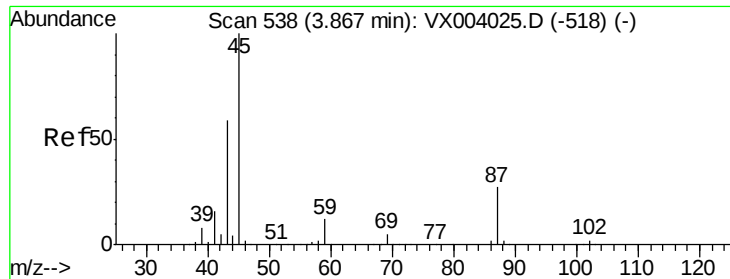
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#19
Methyl tert-butyl Ether
Concen: 3.57 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion: 73 Resp: 36118
Ion Ratio Lower Upper
73 100
57 71.7 18.0 27.0#





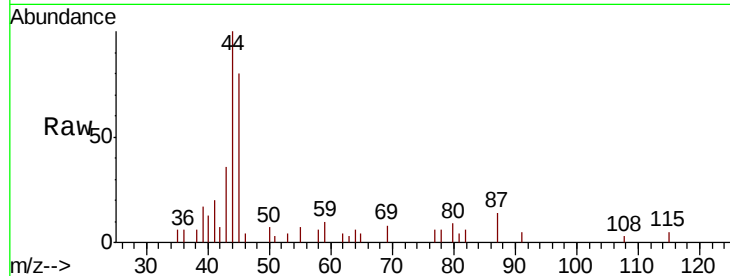
#22
Diisopropyl ether
Concen: 0.27 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

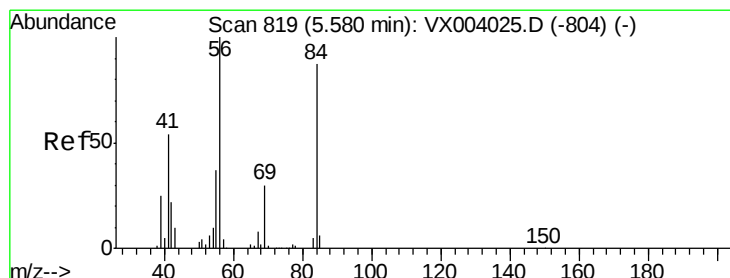
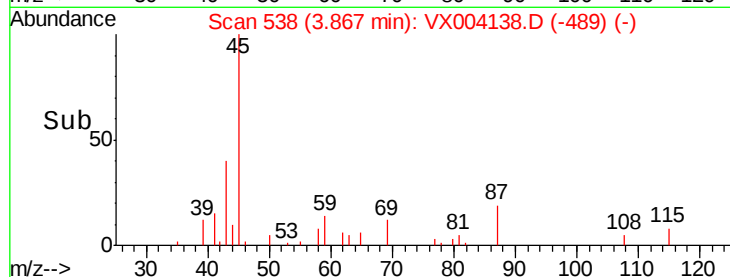
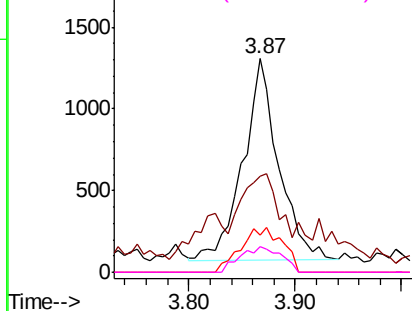
Tot Ion	Ratio	Lower	Upper
45	100		
43	33.6	45.3	67.9#
87	18.3	22.7	34.1#
59	12.9	9.6	14.4

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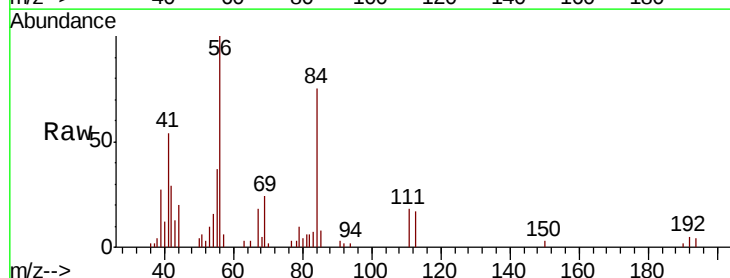


Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

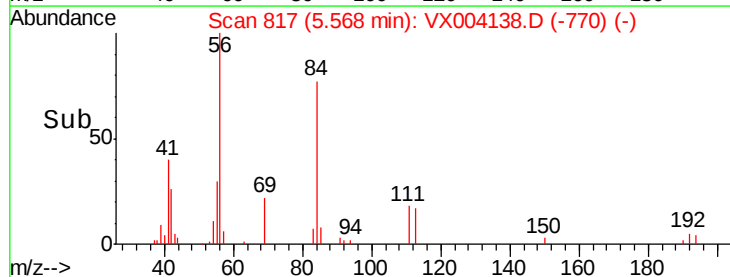
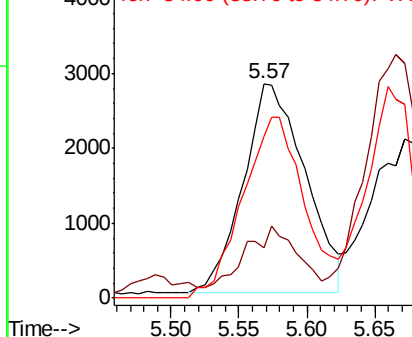


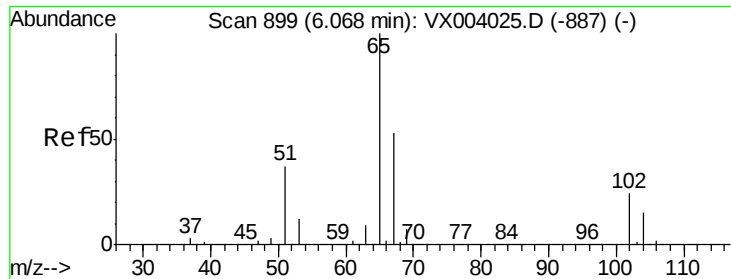
#31
Cyclohexane
Concen: 1.68 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Lower	Upper
56	100		
69	17.0	24.9	37.3#
84	76.8	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





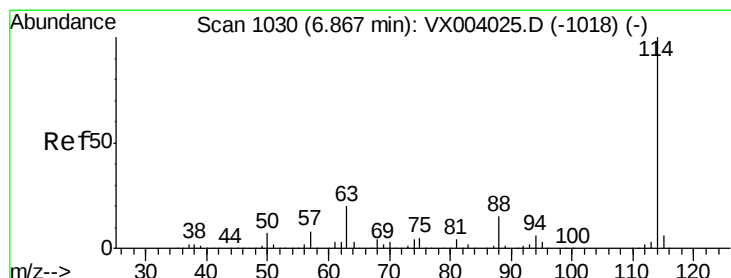
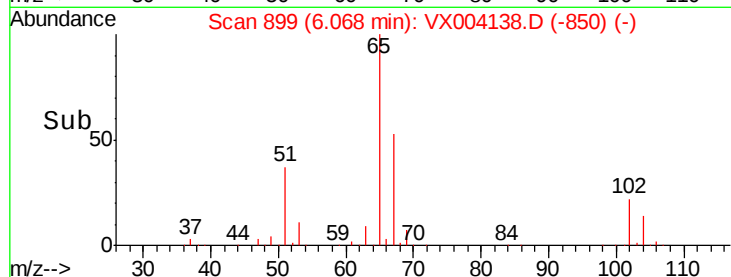
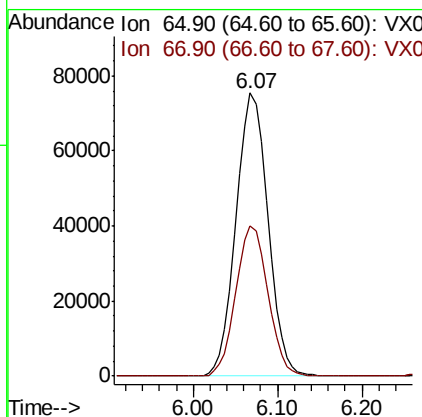
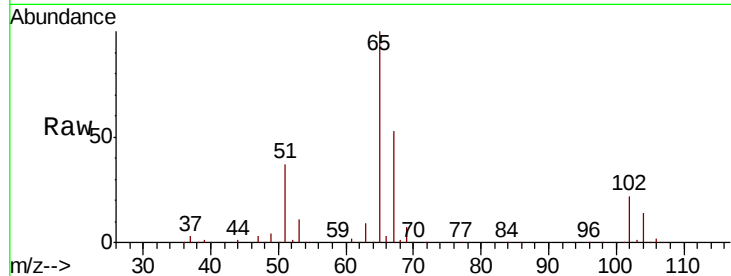
#33
 1,2-Dichloroethane-d4
 Concen: 50.40 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004138.D
 Acq: 17 Aug 2018 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194103		
67	53.5	0.0	105.8	

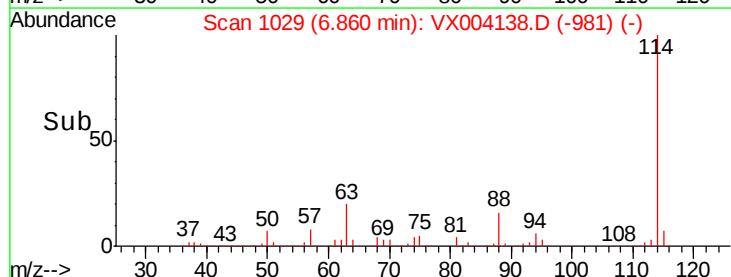
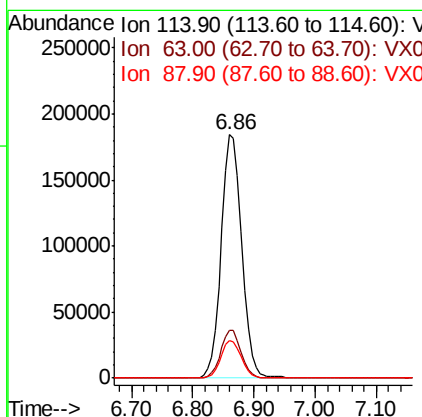
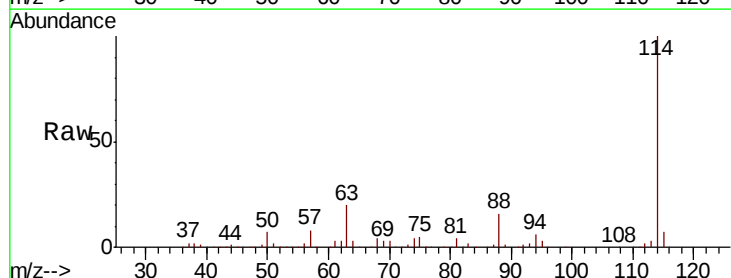
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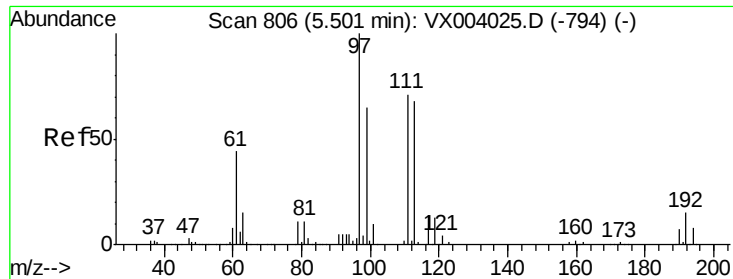
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004138.D
 Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430172		
63	19.7	0.0	39.0	
88	15.6	0.0	32.0	





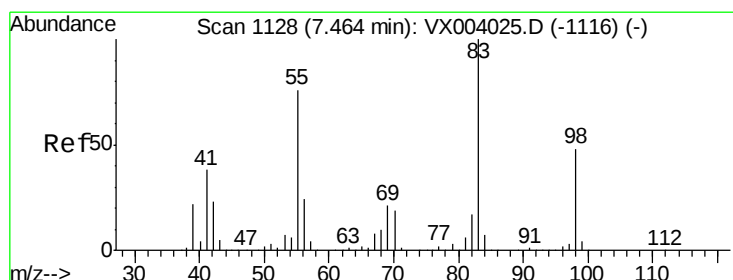
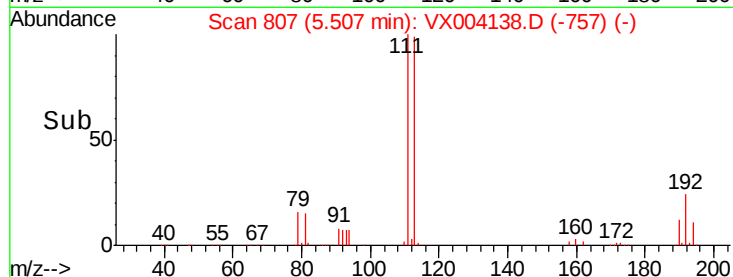
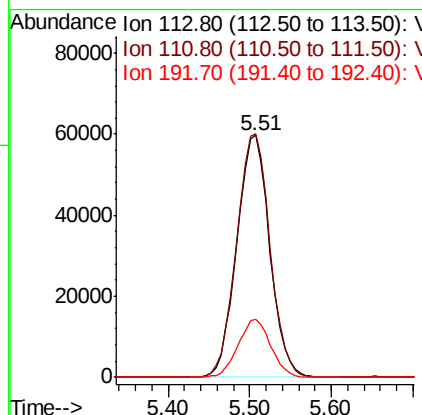
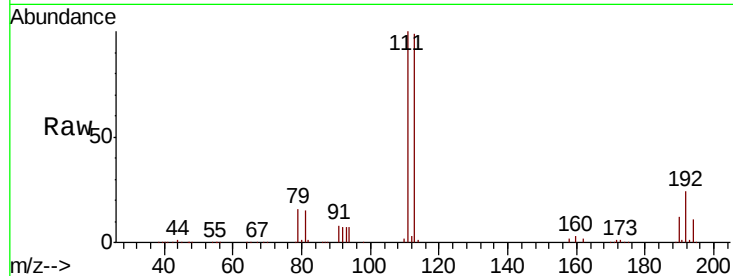
#35
Dibromofluoromethane
Concen: 51.89 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167047		
111	102.0	82.0	123.0	
192	23.9	19.0	28.4	

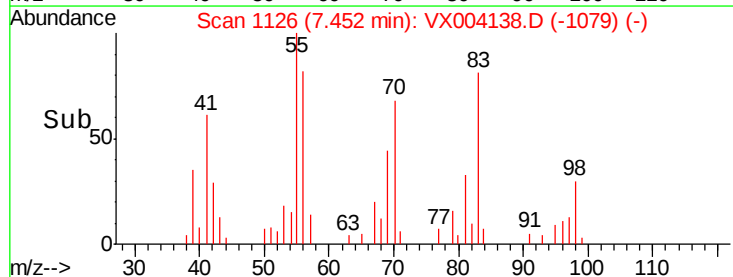
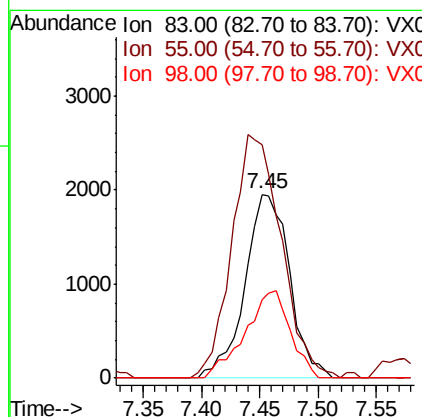
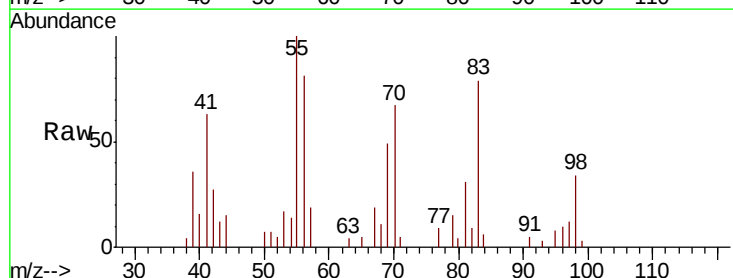
Manual Integrations
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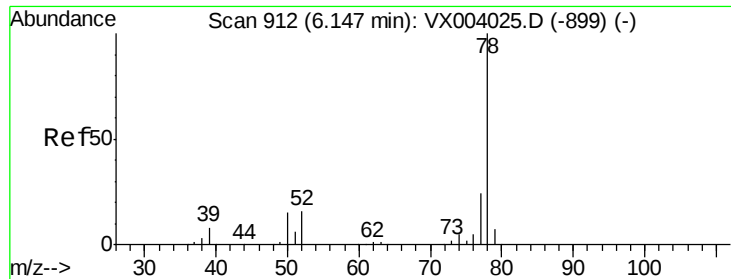
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#39
Methylcyclohexane
Concen: 0.94 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5229		
55	126.9	61.0	91.6#	
98	42.5	38.6	57.8	





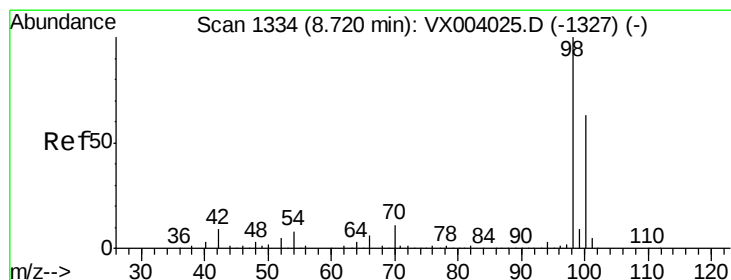
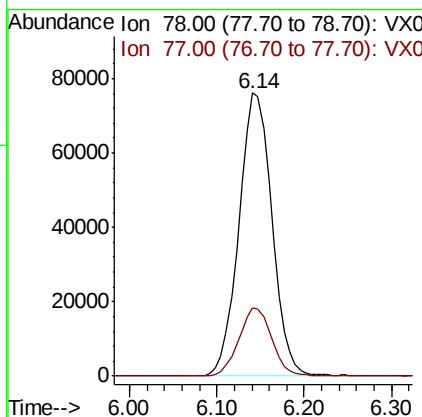
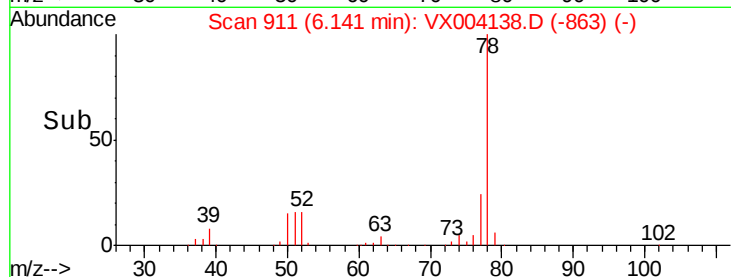
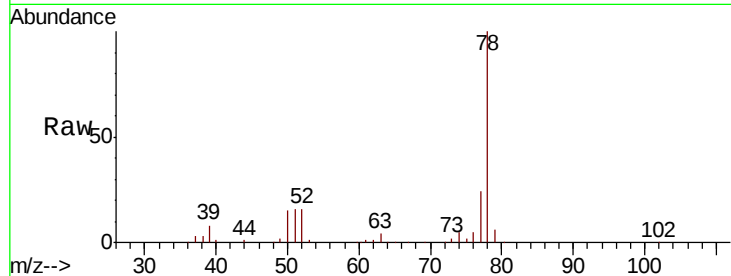
#40
Benzene
Concen: 13.62 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion: 78 Resp: 200194
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

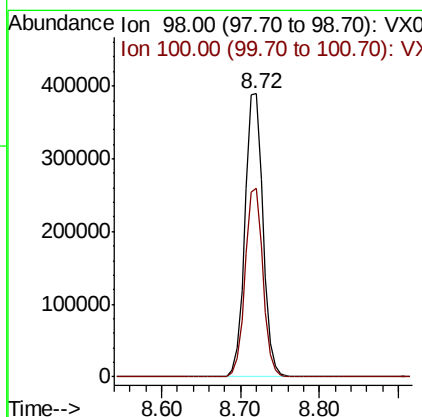
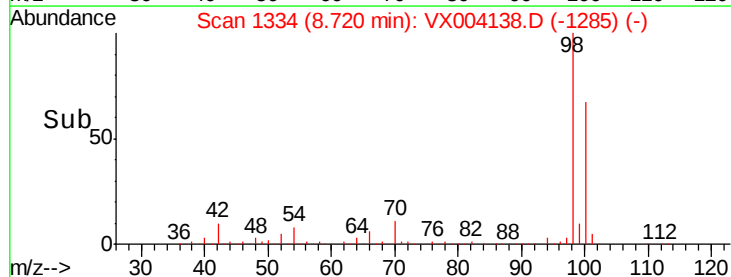
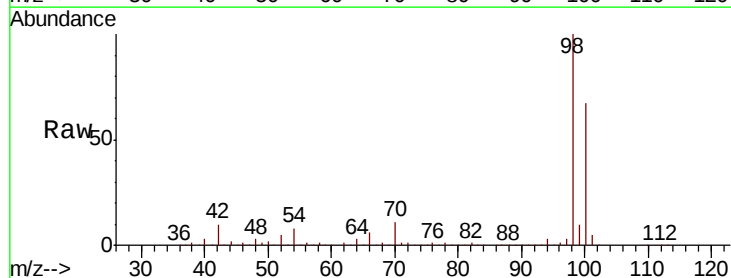
Manual Integrations
APPROVED

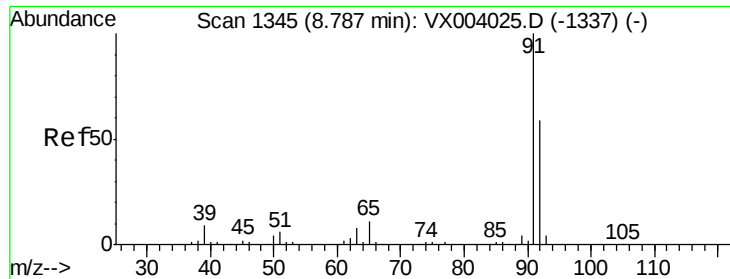
MMDadoda
8/20/2018 10:04:32 AM



#50
Toluene-d8
Concen: 47.30 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion: 98 Resp: 617392
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9





#52

Toluene

Concen: 0.71 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004138.D

Acq: 17 Aug 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

Tot Ion: 92 Resp: 6577

Ion Ratio Lower Upper

92 100

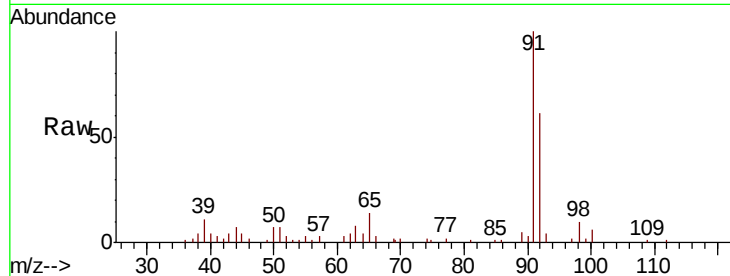
91 160.6 136.1 204.1

Manual Integrations

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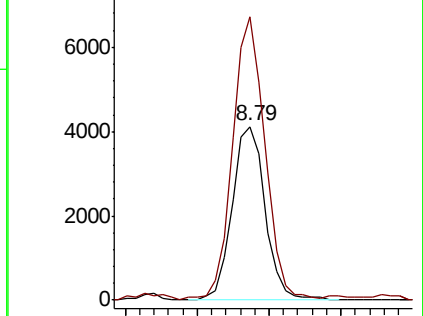
MMDadoda

8/20/2018 10:04:32 AM

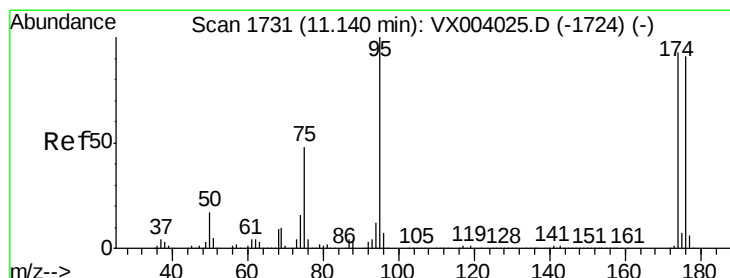
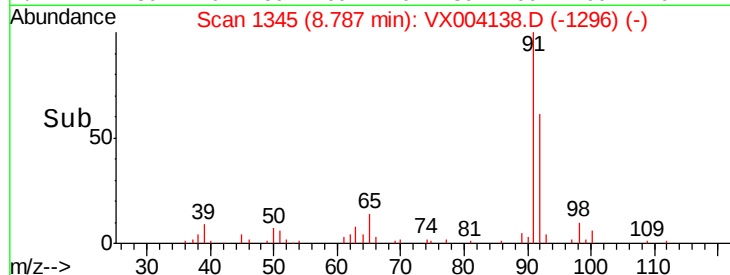


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 46.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004138.D

Acq: 17 Aug 2018 17:56

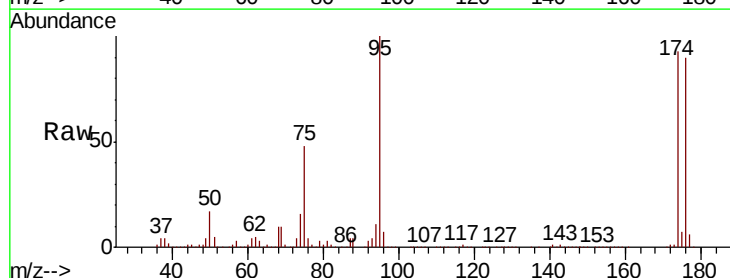
Tgt Ion: 95 Resp: 218994

Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.8

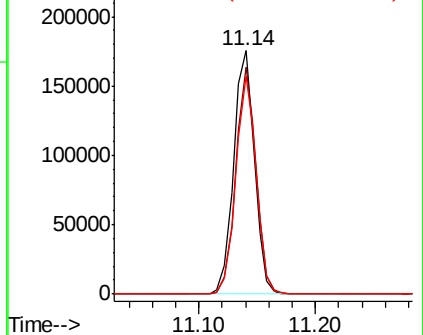
176 87.6 0.0 179.0



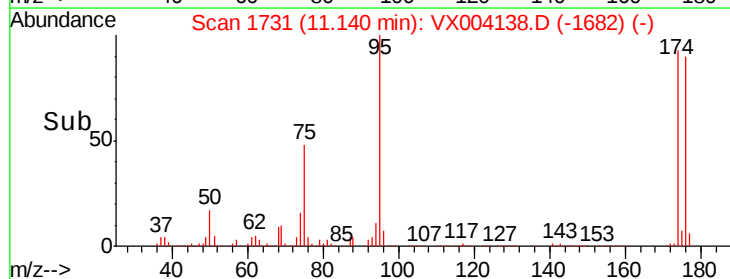
Abundance Ion 94.90 (94.60 to 95.60): VX0

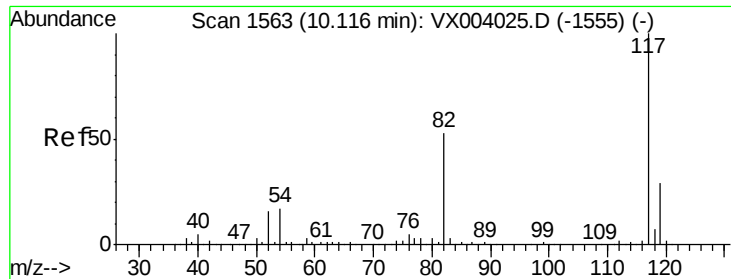
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





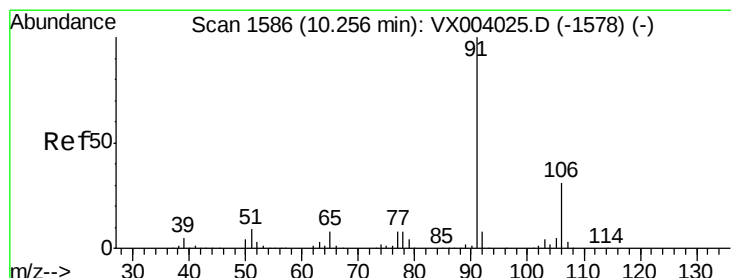
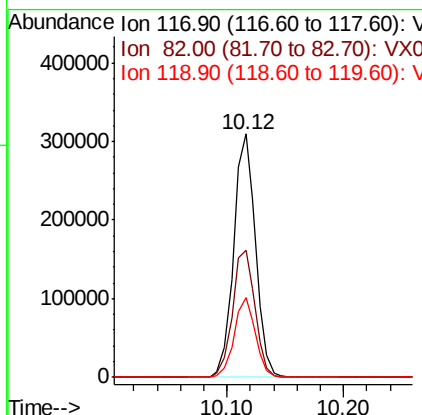
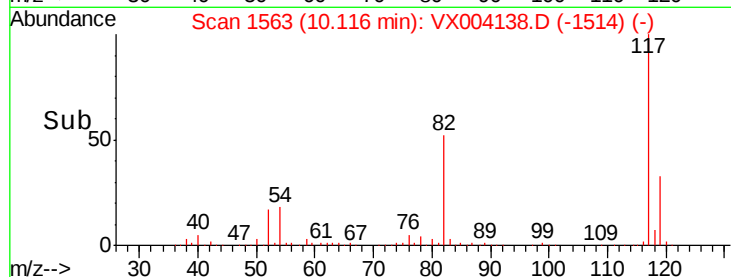
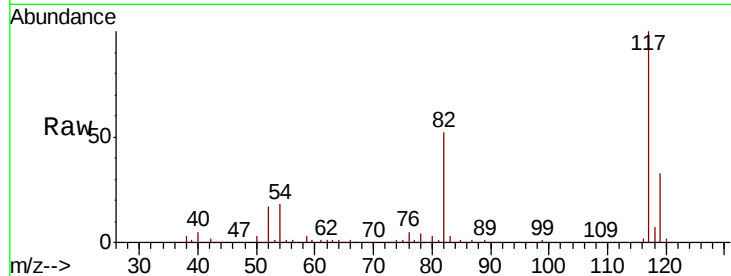
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampled :
MW-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.4	68.0
119	32.9	26.6	40.0

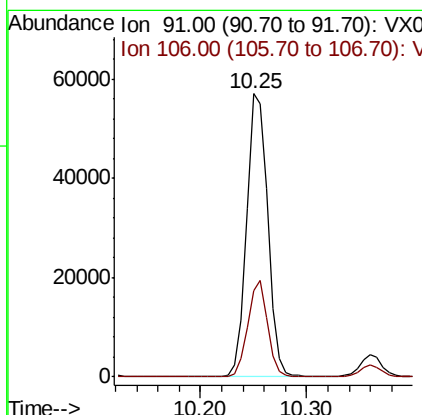
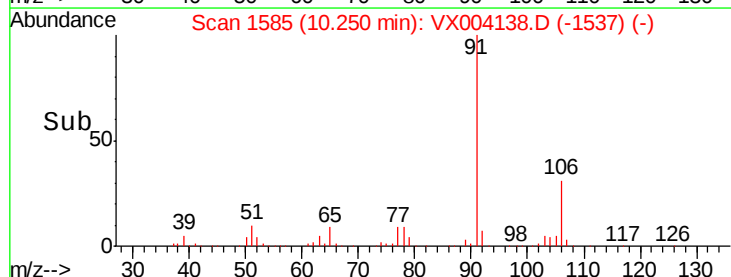
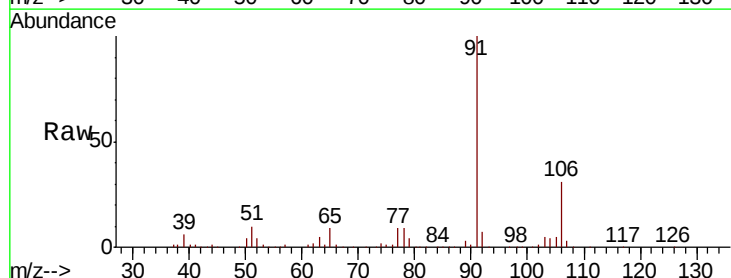
Manual Integrations
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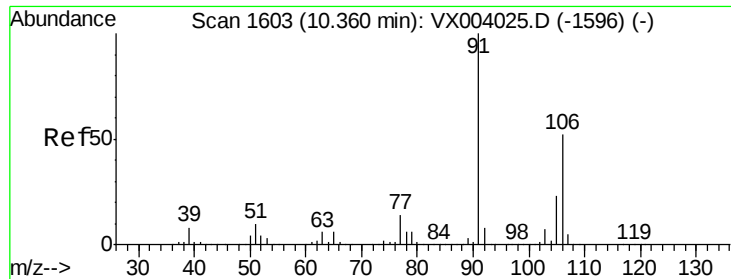
MMDadoda
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#67
Ethyl Benzene
Concen: 4.85 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.9	38.9





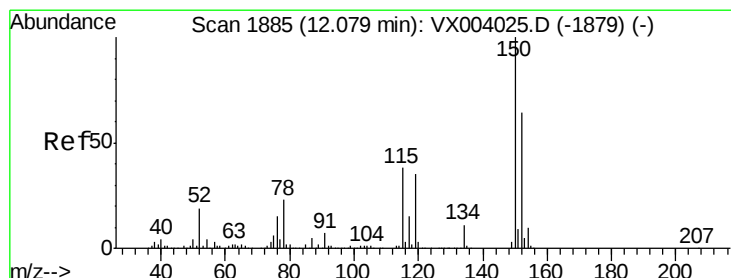
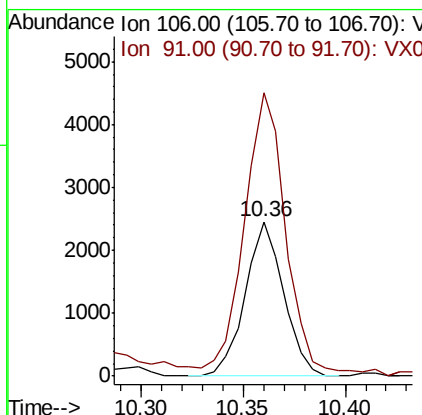
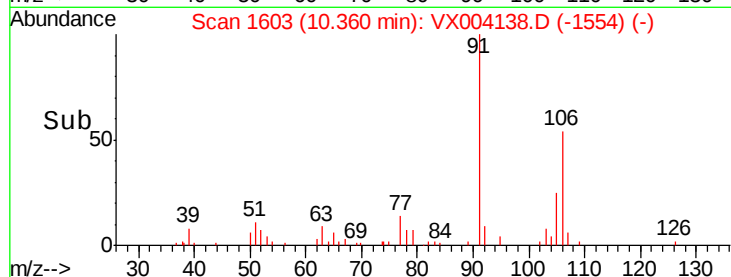
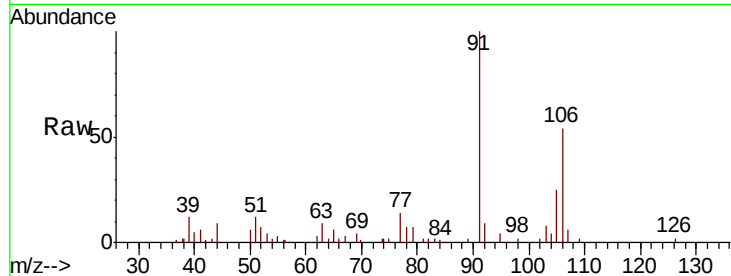
#68
m/p-Xvlenes
Concen: 0.50 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampled :
MW-2DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.7	162.3	243.5

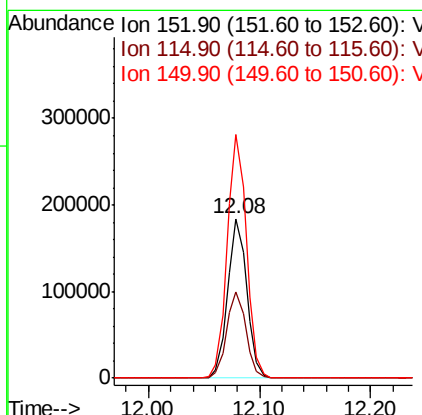
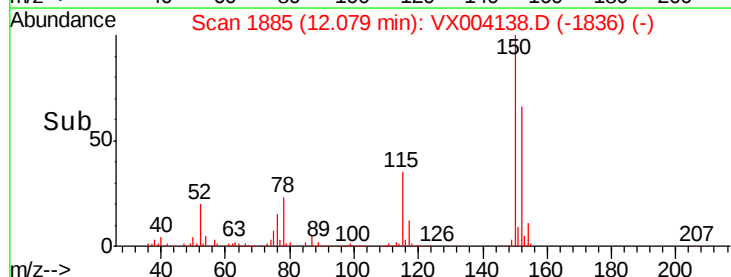
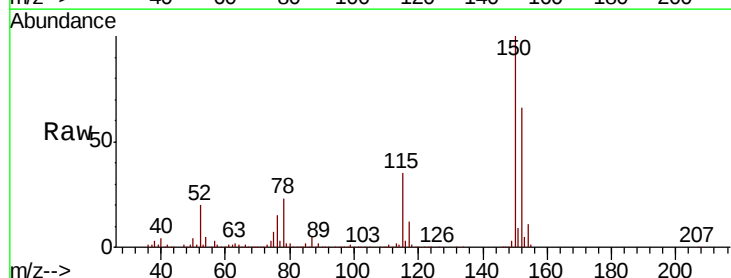
Manual Integrations
APPROVED

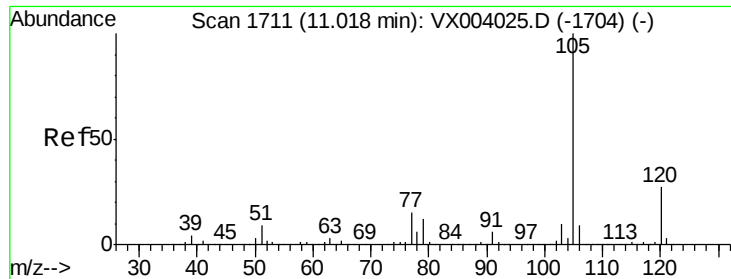
MMDadoda
8/20/2018 10:04:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	39.1	117.3
150	154.0	0.0	349.2





#73

Isopropylbenzene

Concen: 1.11 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004138.D

Acq: 17 Aug 2018 17:56

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

Tot Ion: 105 Resp: 16483

Ion Ratio Lower Upper

105 100

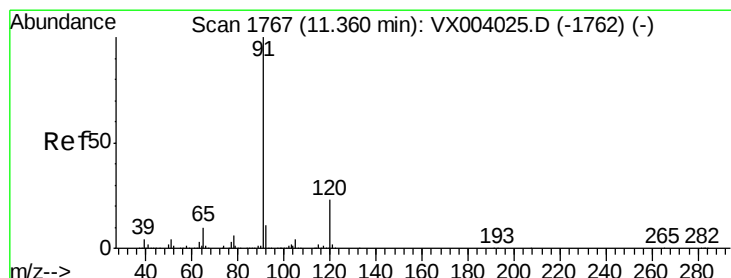
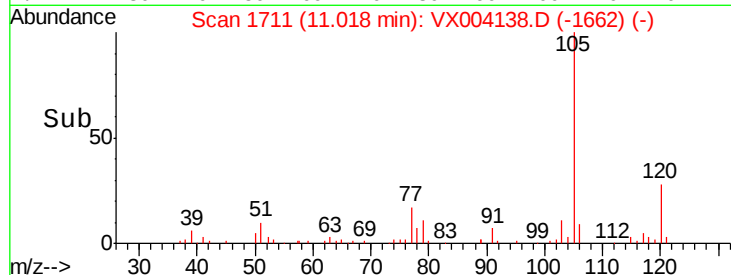
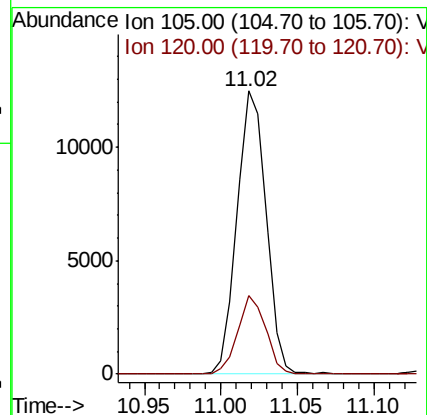
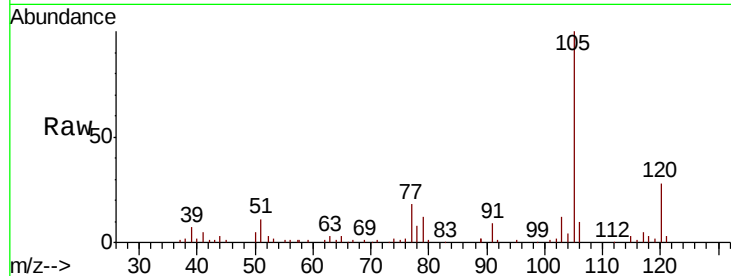
120 26.7 12.6 37.8

Manual Integrations

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#78

n-propylbenzene

Concen: 2.88 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004138.D

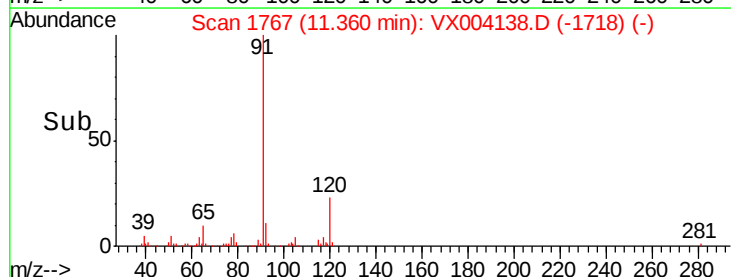
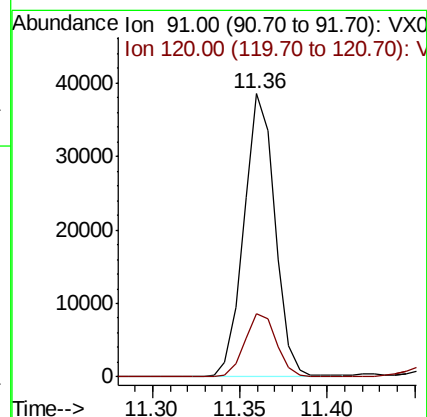
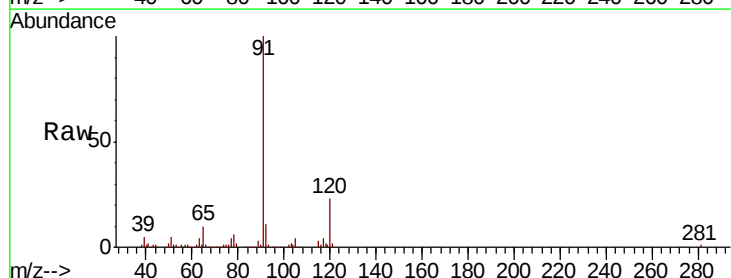
Acq: 17 Aug 2018 17:56

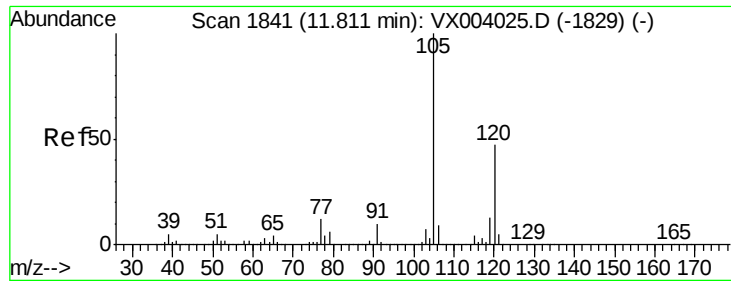
Tgt Ion: 91 Resp: 47682

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 1.43 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004138.D

Acq: 17 Aug 2018 17:56

Instrument :

MSVOA_X

ClientSampled :

MW-2DL

Tot Ion:105 Resp: 17970

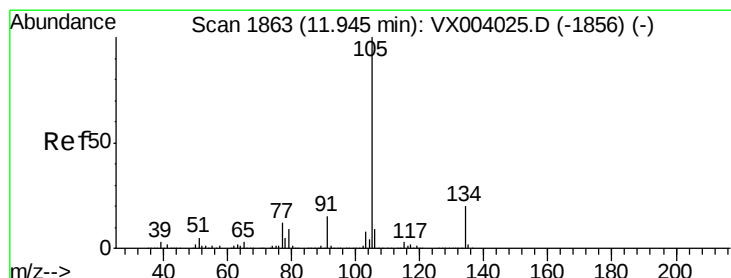
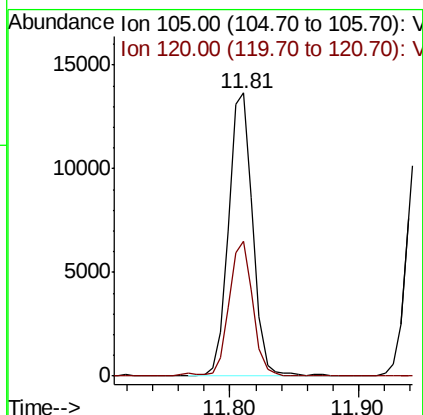
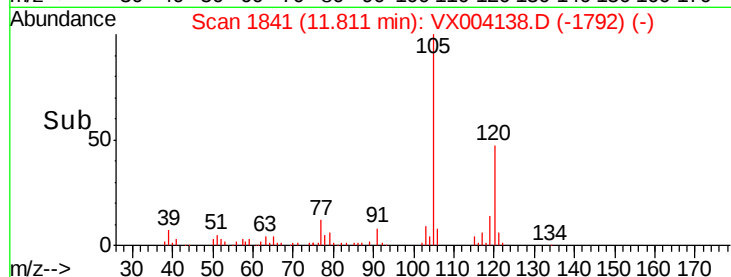
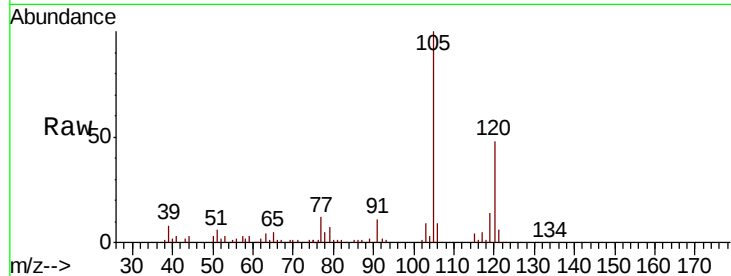
Ion Ratio Lower Upper

105 100

120 46.3 23.1 69.2

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#85

sec-Butylbenzene

Concen: 1.13 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004138.D

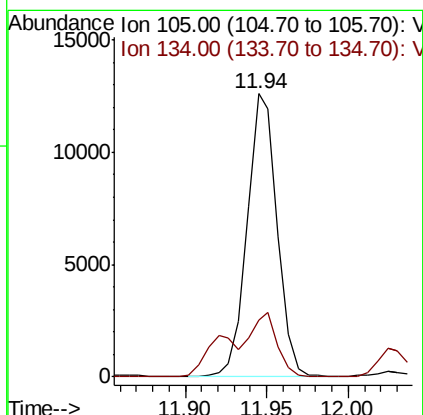
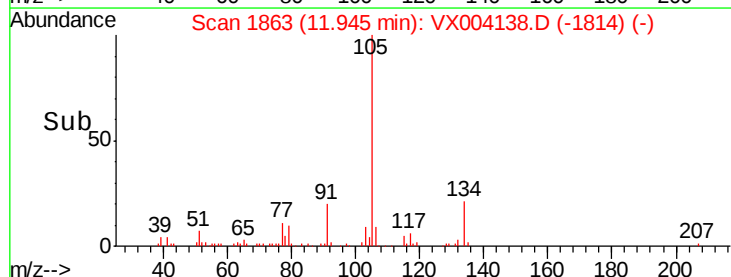
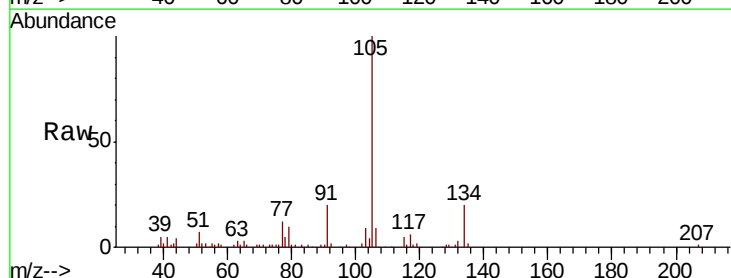
Acq: 17 Aug 2018 17:56

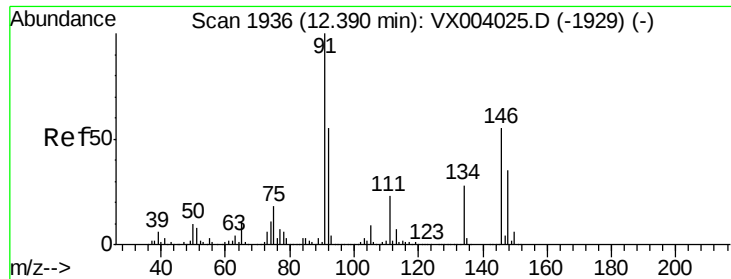
Tgt Ion:105 Resp: 16136

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.9





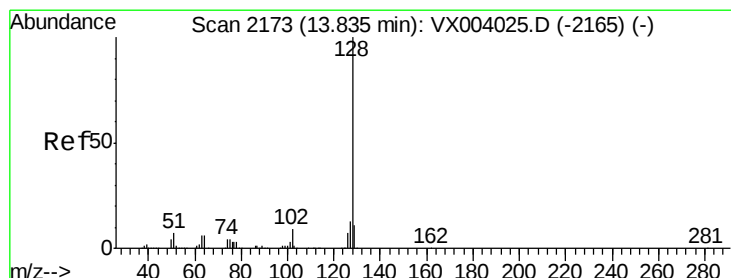
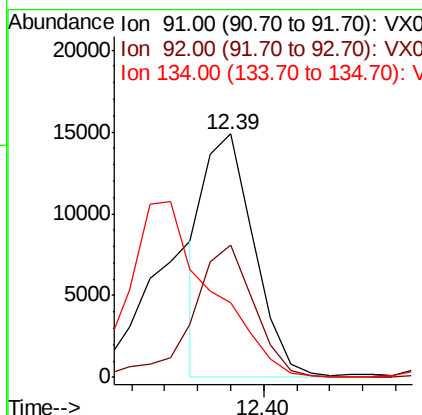
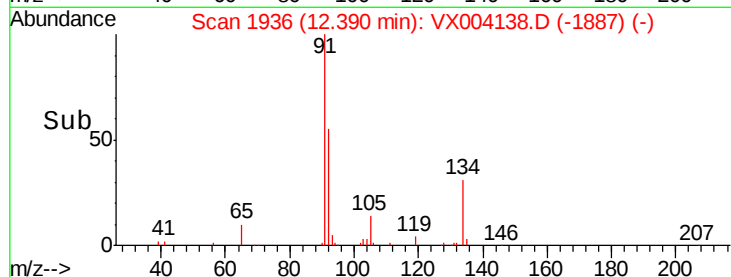
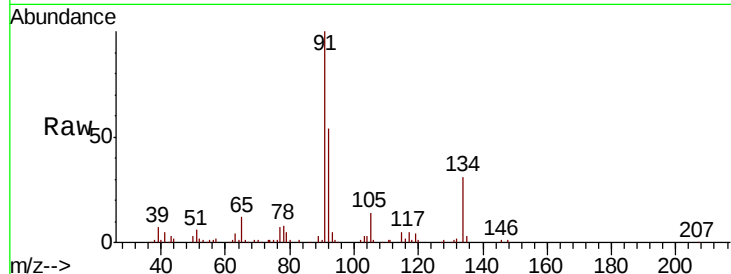
#89
n-Butylbenzene
Concen: 1.53 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
91	100	1592		
92	67.9		27.1	81.3
134	116.9		13.6	40.7#

Manual Integrations
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8/20/2018 10:04:32 AM



#95
Naphthalene
Concen: 1.76 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004138.D
Acq: 17 Aug 2018 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	9710		
127	15.2		10.2	15.2#
129	21.3		8.8	13.2#

