

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006567.D
 Acq On : 17 Dec 2018 12:45
 Operator : JC/MD
 Sample : J6398-06DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01_121218DL

Manual Integrations
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MMDadoda
 12/18/2018 9:44:49 AM

Quant Time: Dec 18 01:02:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	690898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1090048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1000366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	505388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	376572	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
35) Dibromofluoromethane	5.50	113	341692	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1306793	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	486721	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	18809	5.683	ug/l	91
31) Cyclohexane	5.59	56	6333	0.622	ug/l #	60
39) Methylcyclohexane	7.46	83	11385	0.956	ug/l	94
40) Benzene	6.15	78	13499	0.491	ug/l	91
52) Toluene	8.79	92	93074	5.146	ug/l	96
67) Ethyl Benzene	10.25	91	1301252	36.843	ug/l	99
68) m/p-Xylenes	10.36	106	899913	63.608	ug/l	99
69) o-Xylene	10.70	106	539584	38.612	ug/l	98
73) Isopropylbenzene	11.02	105	156242	4.477	ug/l	100
78) n-propylbenzene	11.36	91	186341	4.803	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	727468	25.051	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1914927	63.862	ug/l	100
85) sec-Butylbenzene	11.94	105	29772m	0.845	ug/l	
86) p-Isopropyltoluene	12.07	119	24527	0.773	ug/l	95
95) Naphthalene	13.83	128	872664	22.481	ug/l	100

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

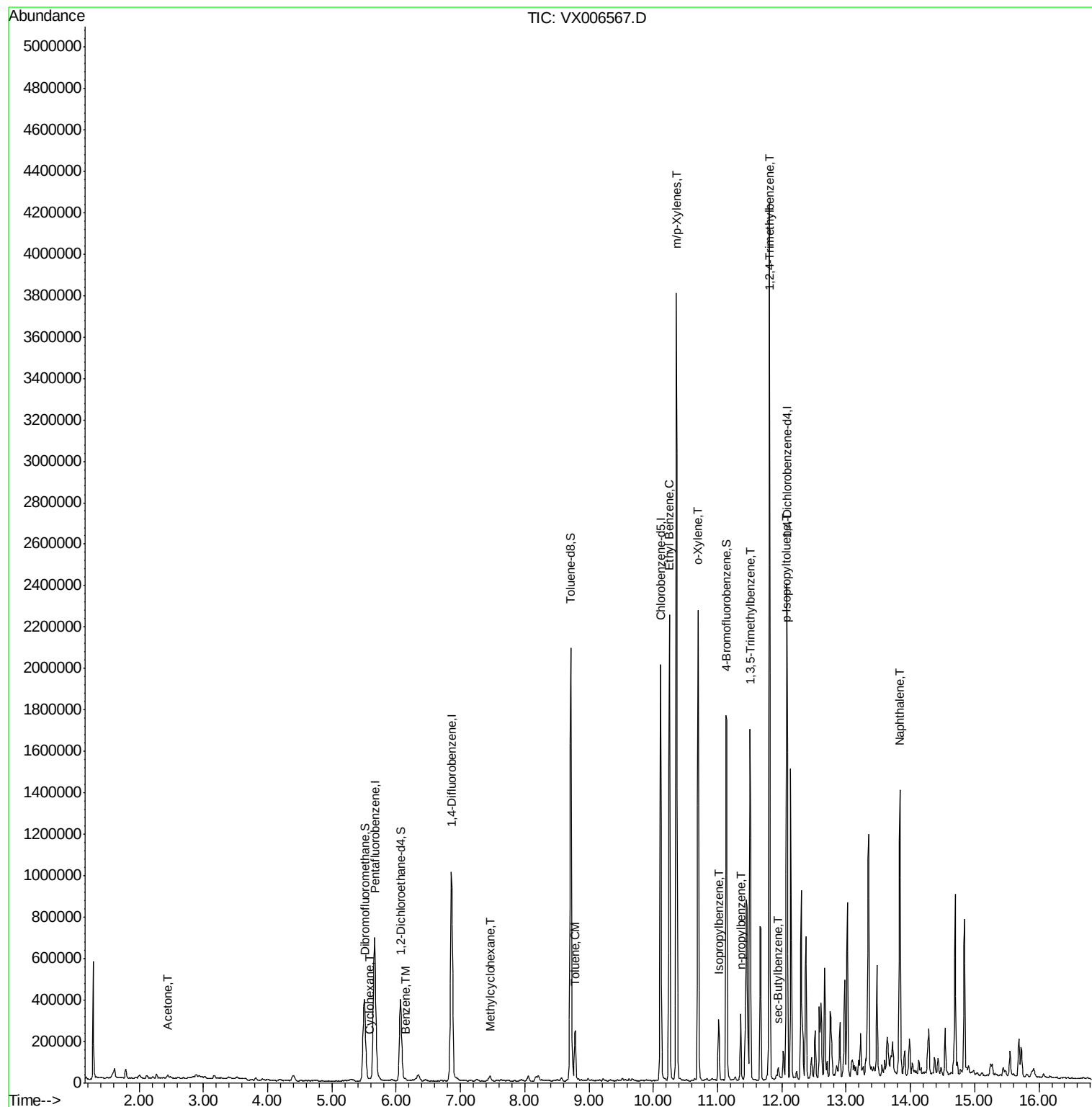
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121718\
Data File : VX006567.D
Acq On : 17 Dec 2018 12:45
Operator : JC/MD
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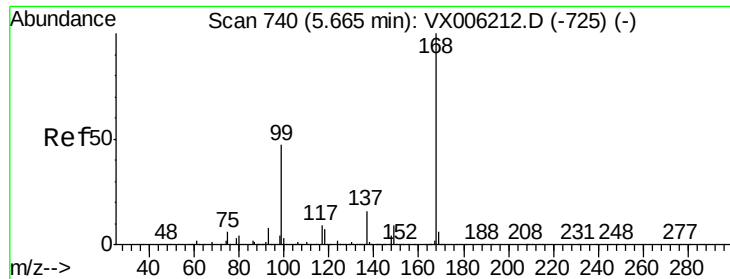
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

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Quant Time: Dec 18 01:02:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01_121218DL

Tot Ion:168 Resp: 690898

Ion Ratio Lower Upper

168 100

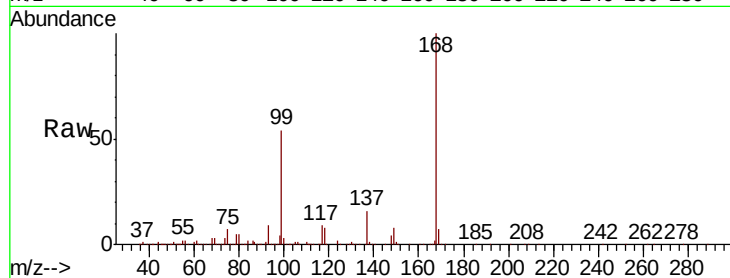
99 54.3 37.8 56.8

Manual Integrations

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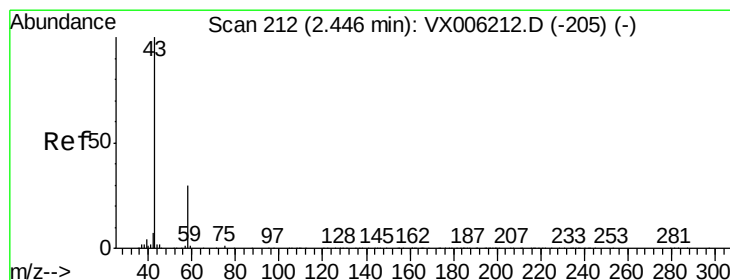
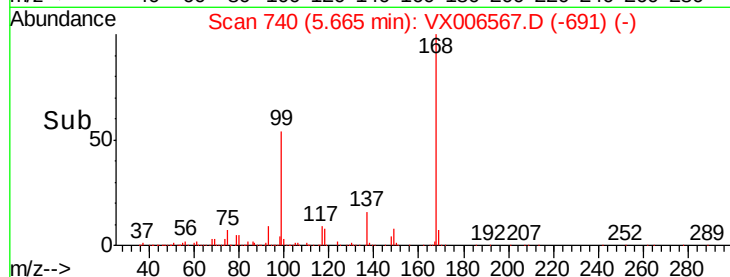
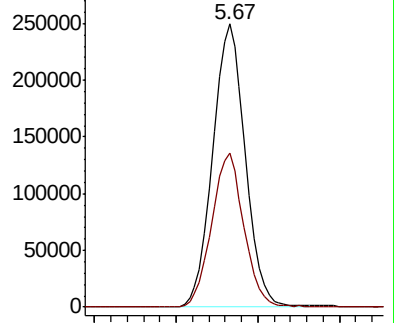
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.683 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006567.D

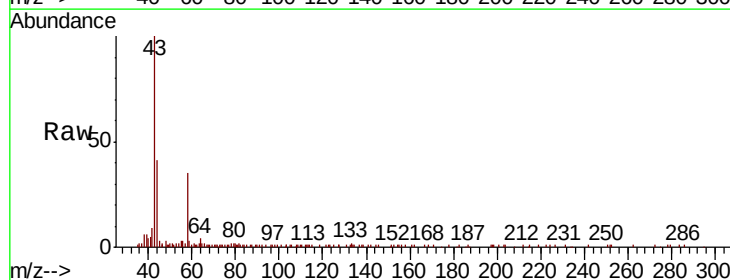
Acq: 17 Dec 2018 12:45

Tgt Ion: 43 Resp: 18809

Ion Ratio Lower Upper

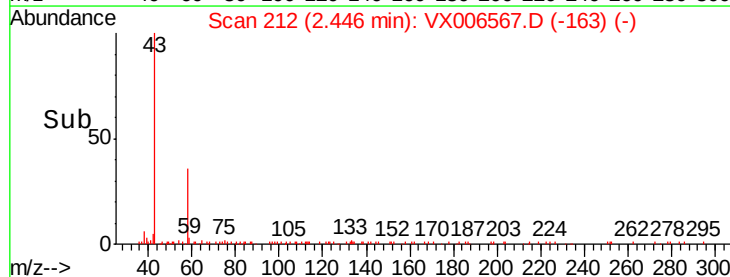
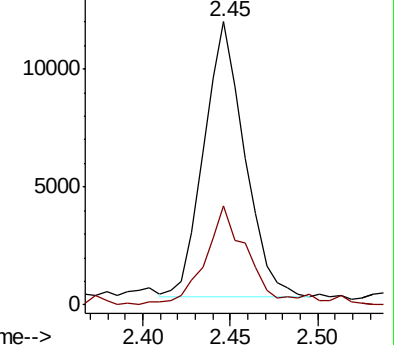
43 100

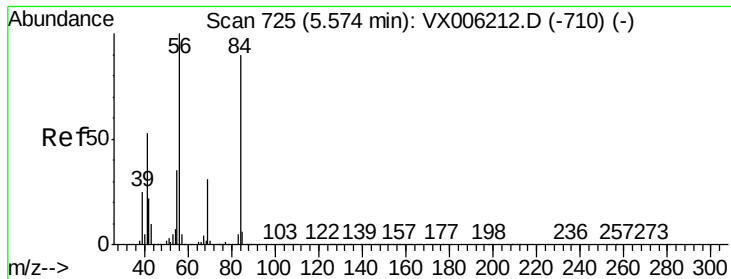
58 35.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 0.622 ug/l

RT: 5.59 min Scan# 728

Delta R.T. 0.02 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Instrument :

MSVOA_X

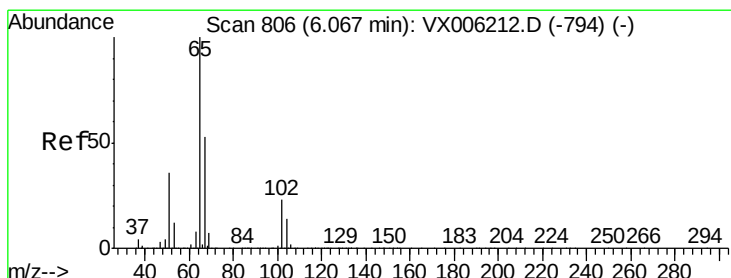
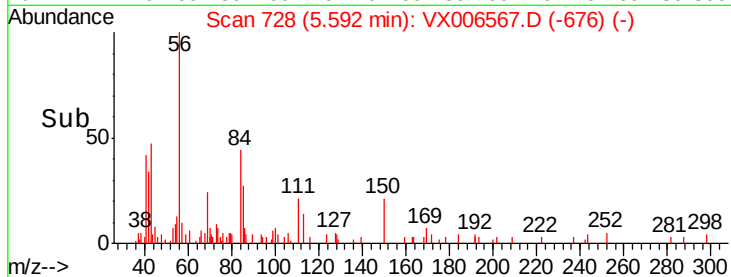
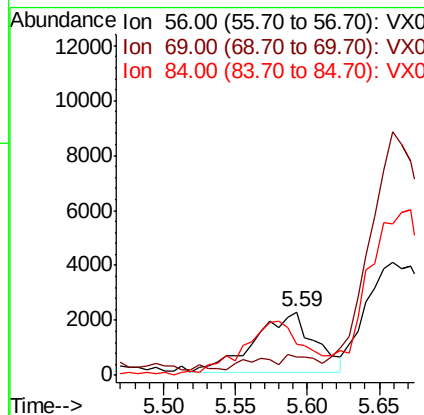
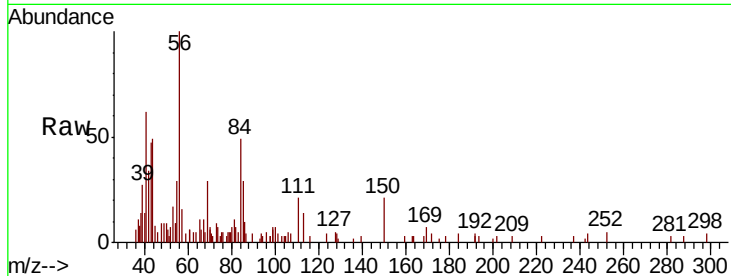
ClientSampleId :

PR-MW-01_121218DL

Tot Ion:	56	Resp:	6333
Ion Ratio	Lower	Upper	
56	100		
69	21.2	24.5	36.7#
84	44.1	71.8	107.6#

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#33

1,2-Dichloroethane-d4

Concen: 53.392 ug/l

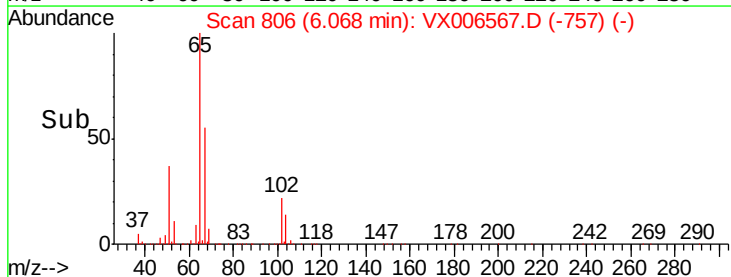
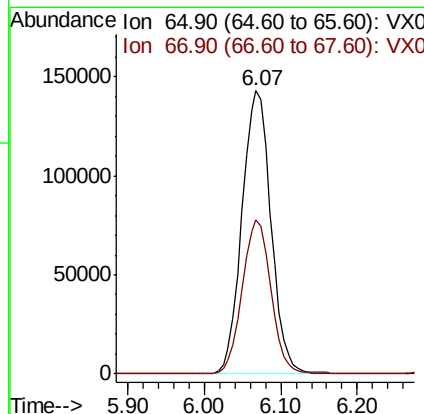
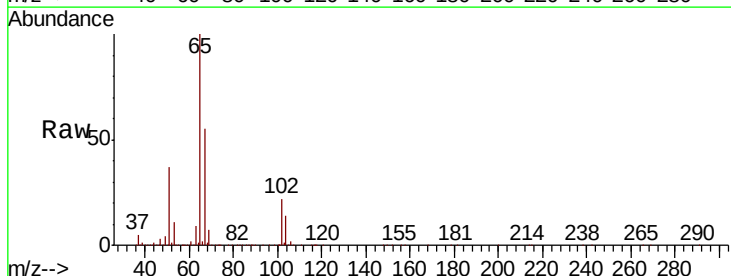
RT: 6.07 min Scan# 806

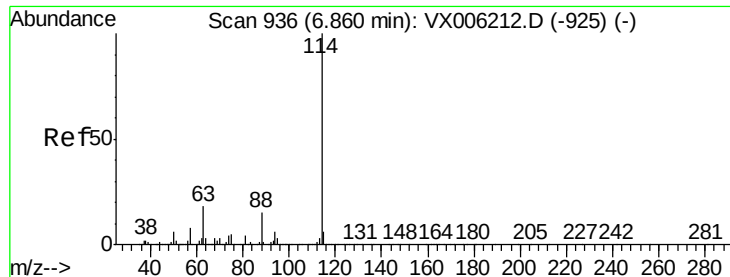
Delta R.T. 0.00 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Tgt Ion:	65	Resp:	376572
Ion Ratio	Lower	Upper	
65	100		
67	53.4	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01_121218DL

Tot Ion:114 Resp: 1090048

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

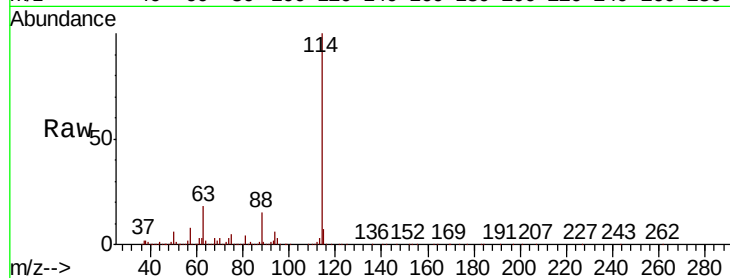
88 15.2 0.0 29.0

Manual Integrations

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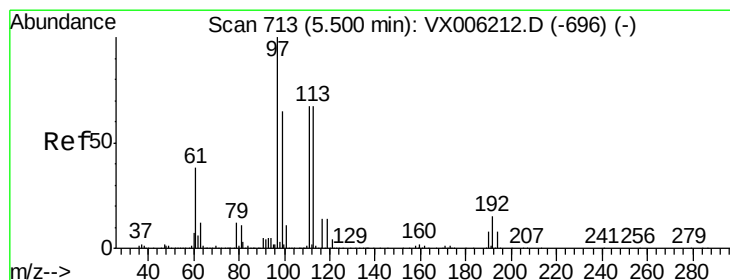
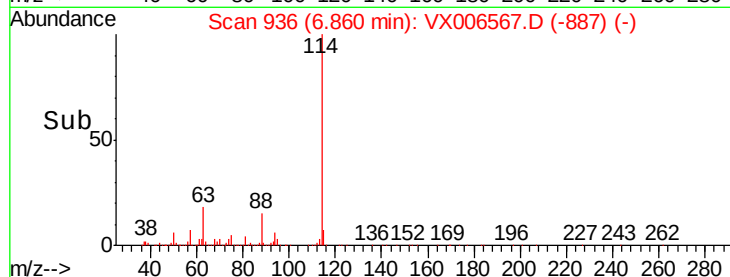
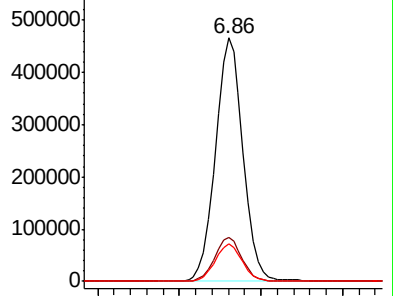
12/18/2018 9:44:49 AM



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: 48.415 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

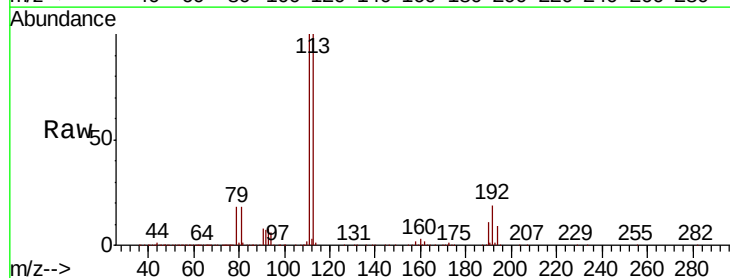
Tgt Ion:113 Resp: 341692

Ion Ratio Lower Upper

113 100

111 100.2 81.1 121.7

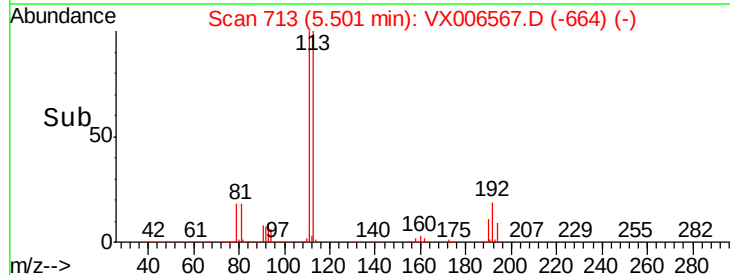
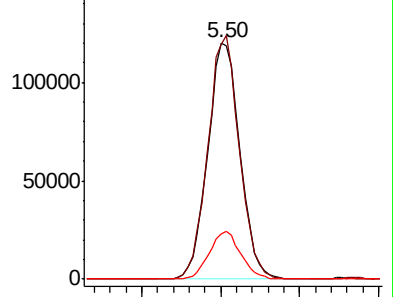
192 20.0 18.2 27.2

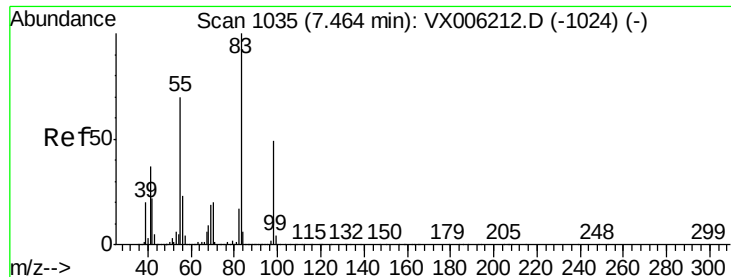


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylvlcyclohexane

Concen: 0.956 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Instrument :

MSVOA_X

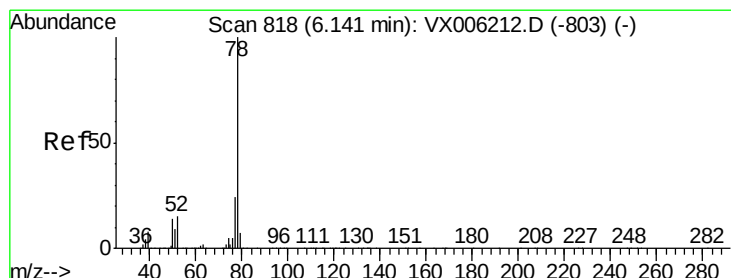
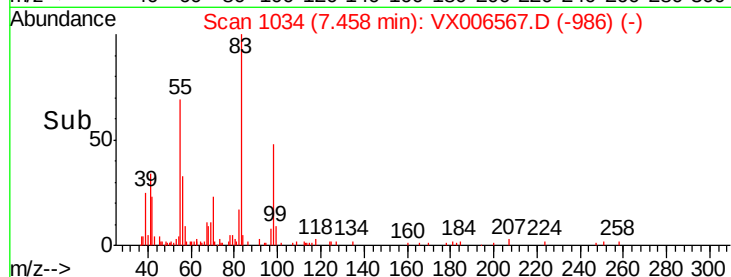
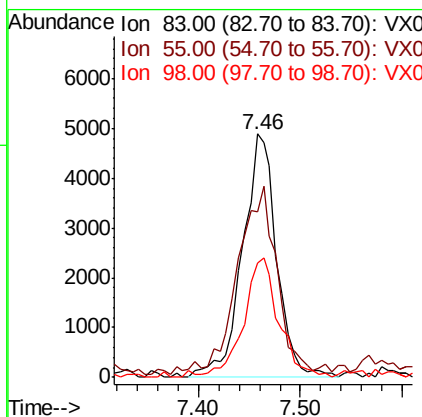
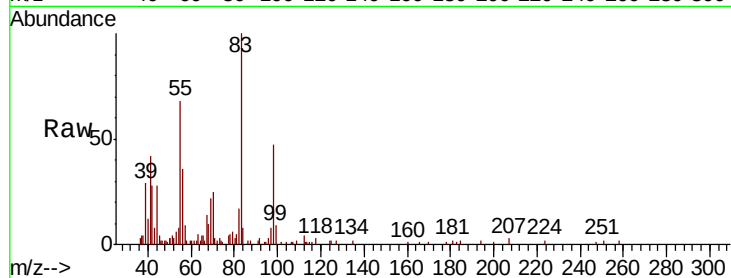
ClientSampleId :

PR-MW-01_121218DL

Tot Ion:	83	Resp:	11385
Ion	Ratio	Lower	Upper
83	100		
55	64.9	56.4	84.6
98	45.9	39.0	58.6

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#40

Benzene

Concen: 0.491 ug/l

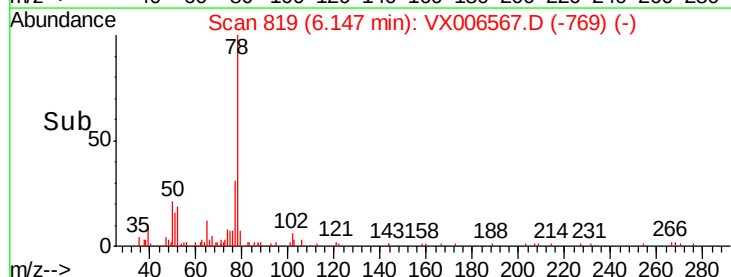
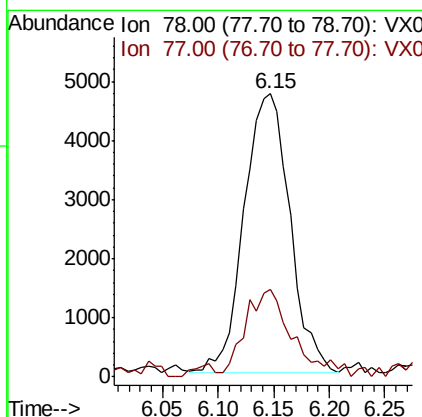
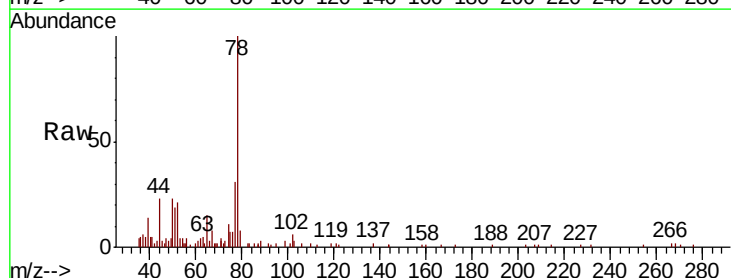
RT: 6.15 min Scan# 819

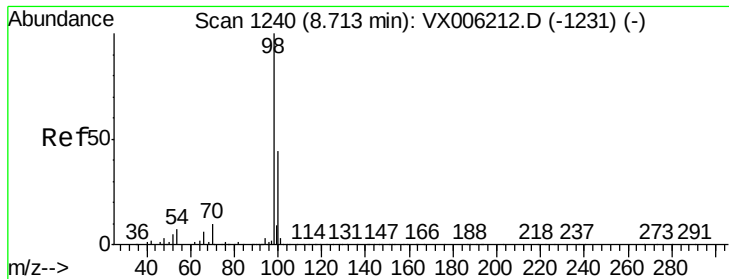
Delta R.T. 0.01 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Tgt Ion:	78	Resp:	13499
Ion	Ratio	Lower	Upper
78	100		
77	28.6	19.2	28.8





#50

Toluene-d8

Concen: 50.904 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006567.D

Acq: 17 Dec 2018 12:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01_121218DL

Tot Ion: 98 Resp: 1306793

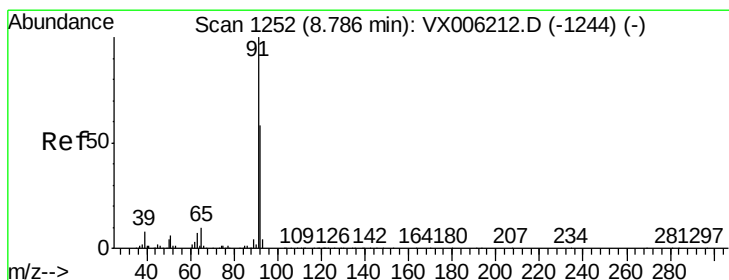
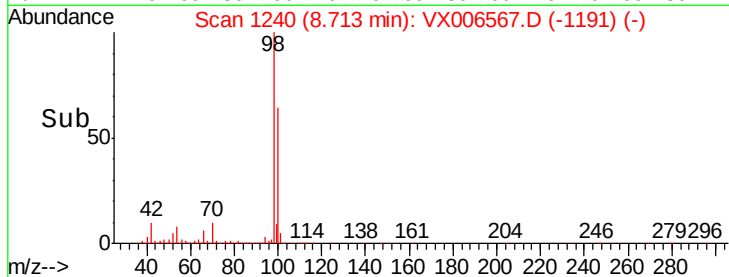
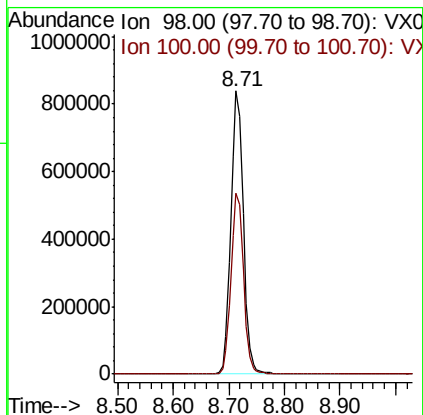
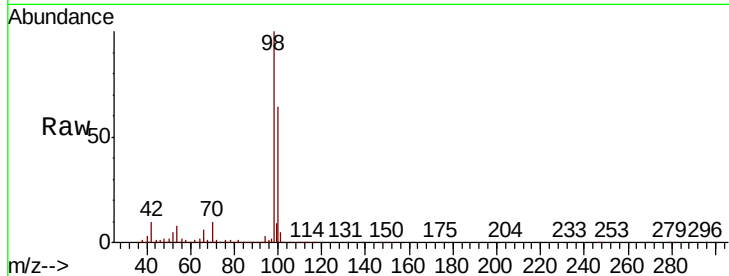
Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2

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#52

Toluene

Concen: 5.146 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006567.D

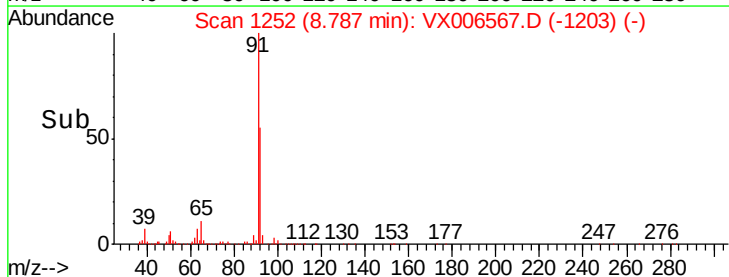
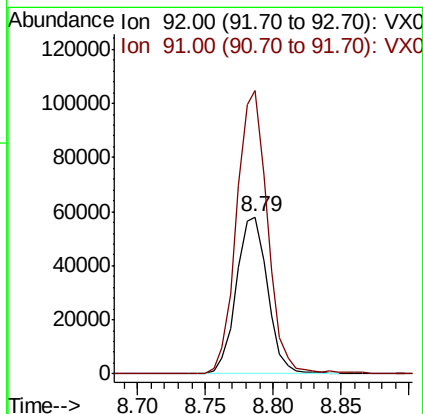
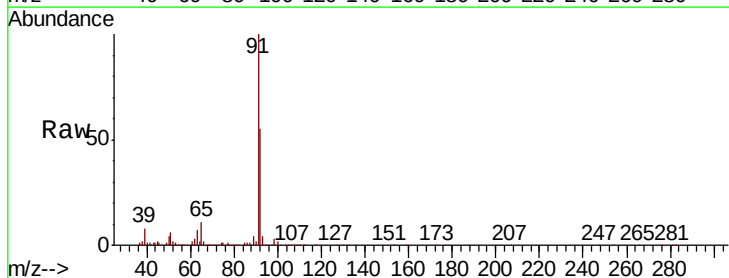
Acq: 17 Dec 2018 12:45

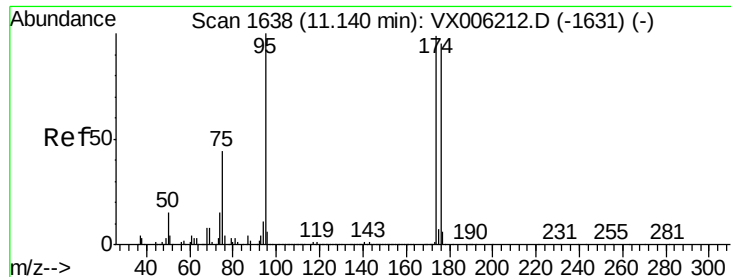
Tgt Ion: 92 Resp: 93074

Ion Ratio Lower Upper

92 100

91 179.2 139.2 208.8





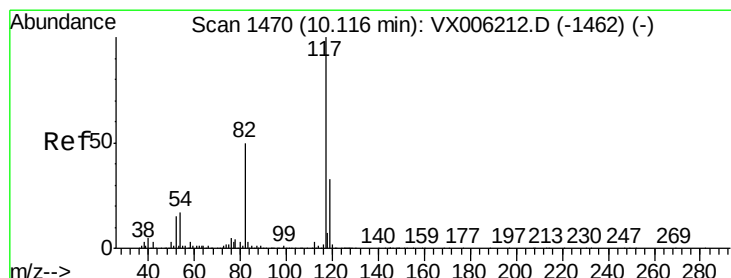
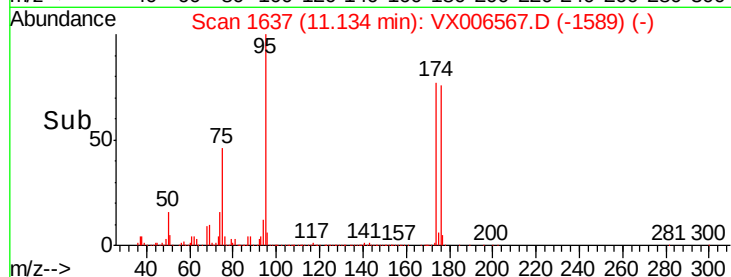
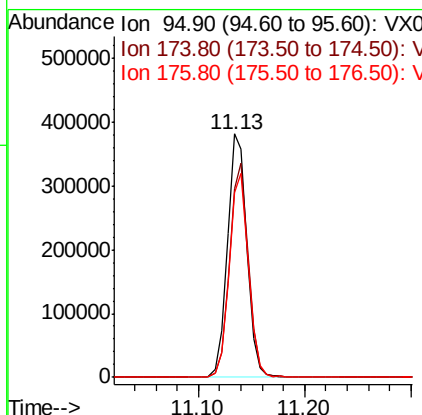
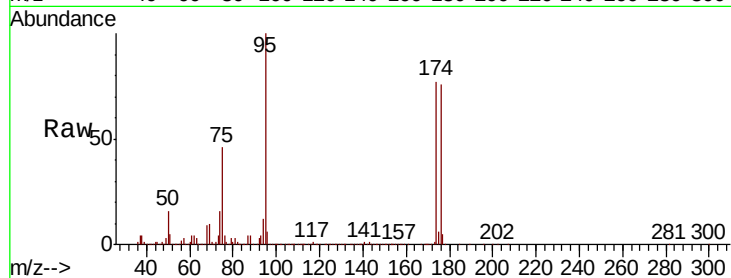
#62
4-Bromofluorobenzene
Concen: 50.313 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	486721		
174	85.8	0.0	187.0	
176	83.0	0.0	181.8	

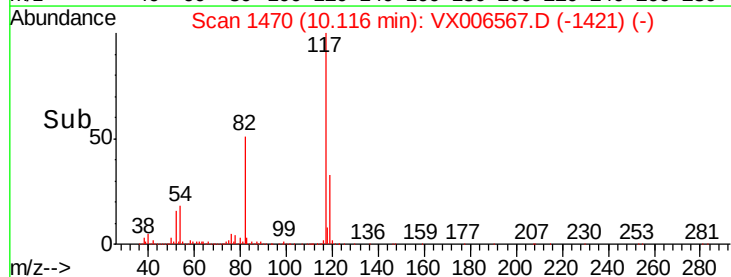
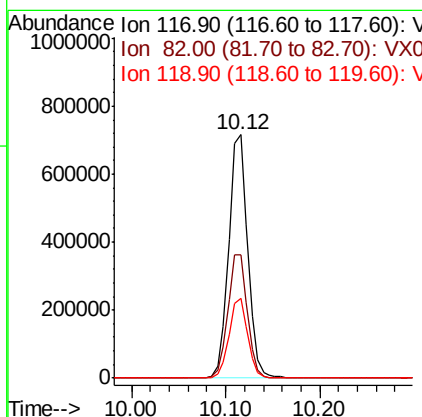
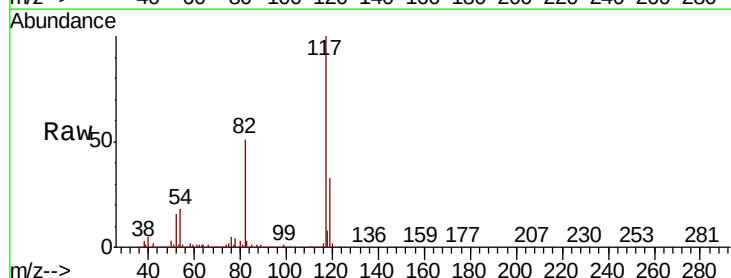
Manual Integrations
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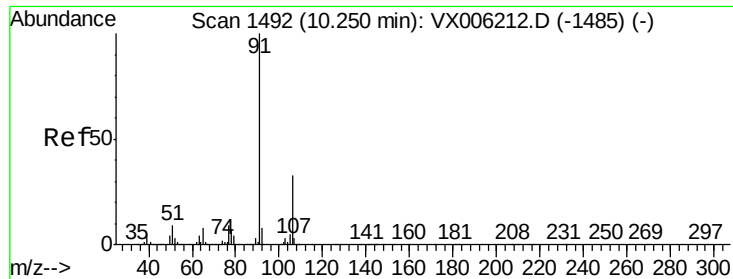
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1000366		
82	50.8	39.6	59.4	
119	33.0	26.3	39.5	





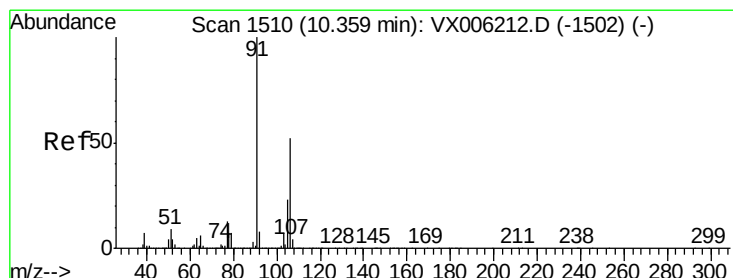
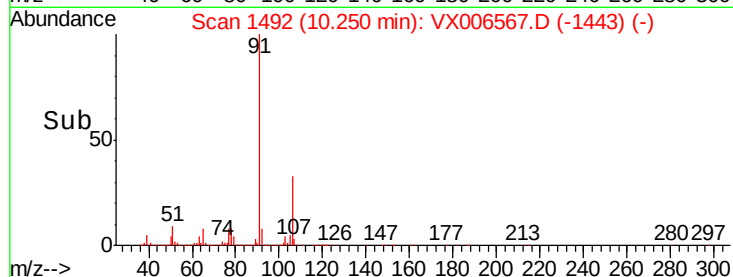
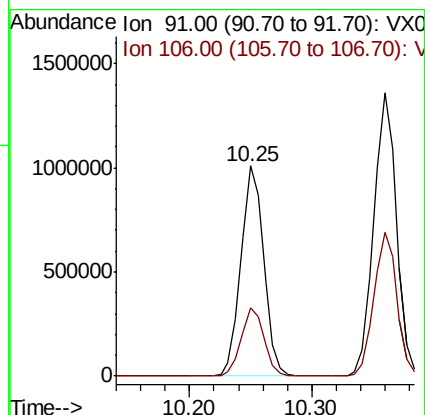
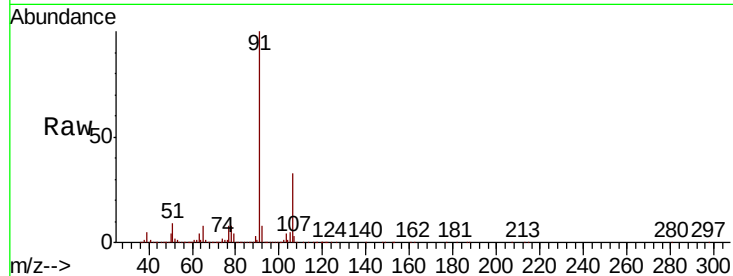
#67
Ethyl Benzene
Concen: 36.843 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

Tot Ion: 91 Resp: 1301252
Ion Ratio Lower Upper
91 100
106 32.7 26.5 39.7

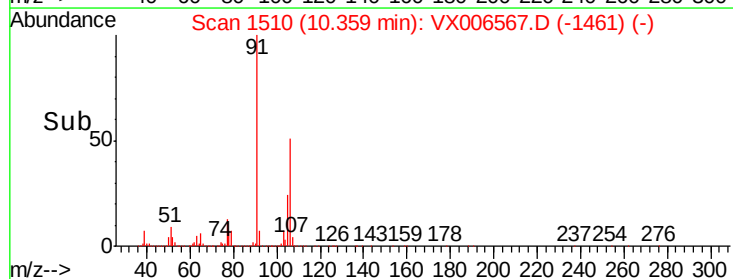
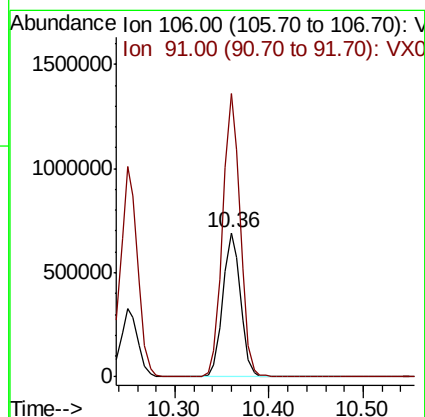
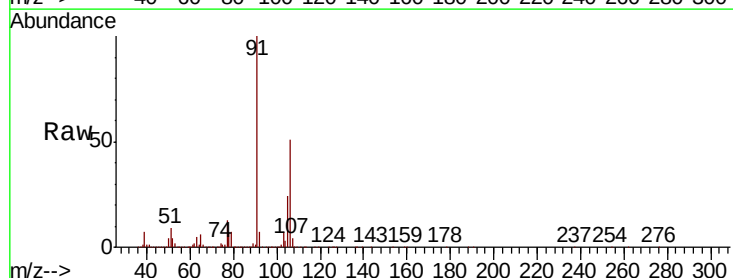
Manual Integrations
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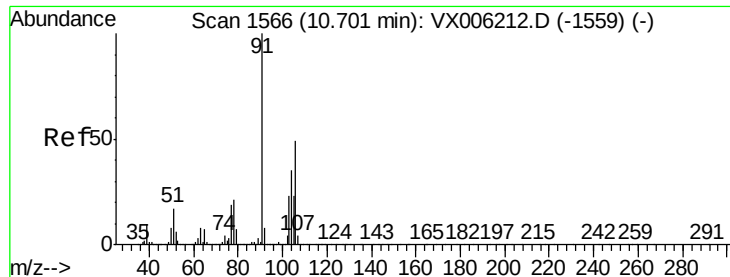
MMDadoda
12/18/2018 9:44:49 AM



#68
m/p-Xylenes
Concen: 63.608 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Tgt Ion: 106 Resp: 899913
Ion Ratio Lower Upper
106 100
91 195.0 155.2 232.8





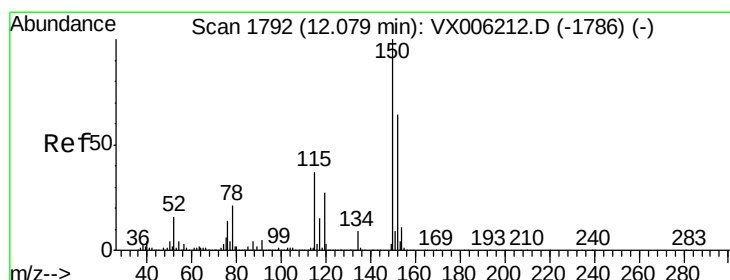
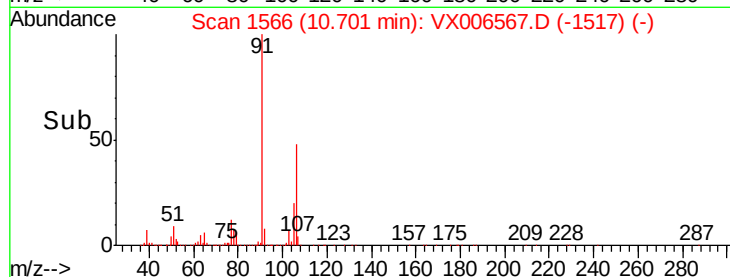
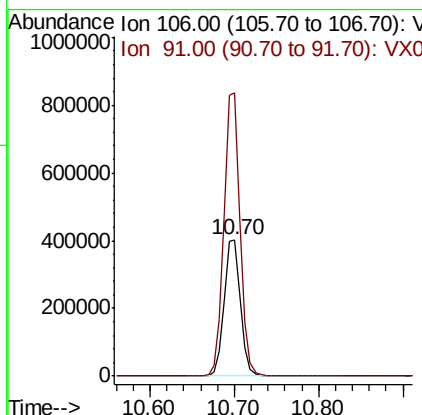
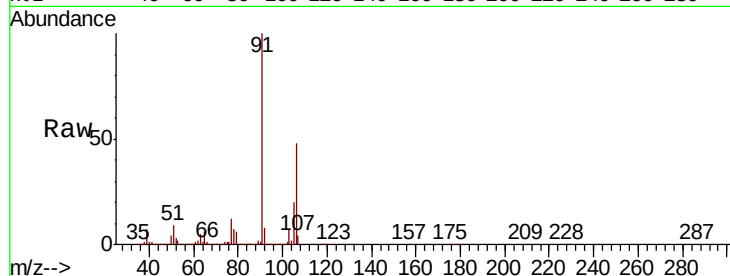
#69
o-Xylene
Concen: 38.612 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.5	101.8	305.6

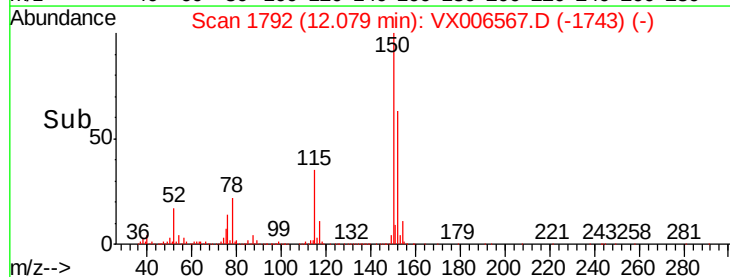
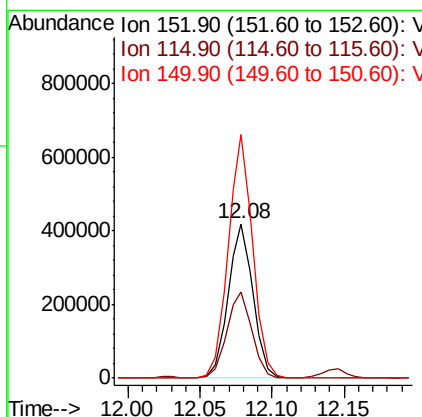
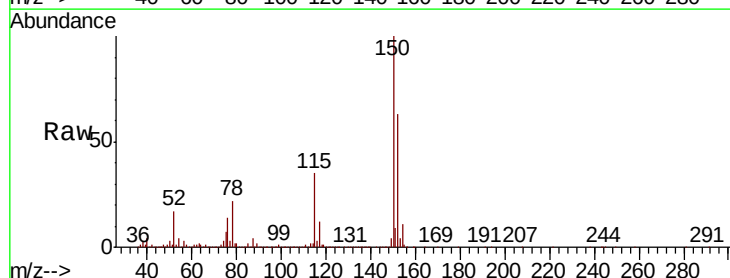
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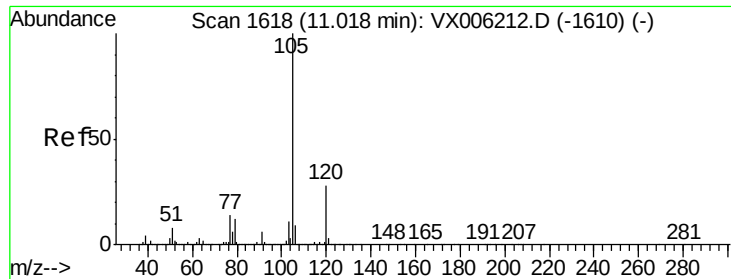
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	39.0	116.9
150	155.9	0.0	345.8





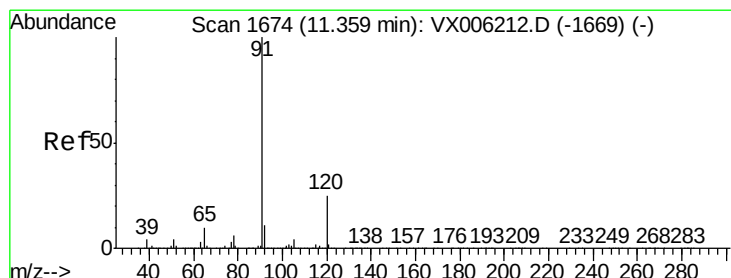
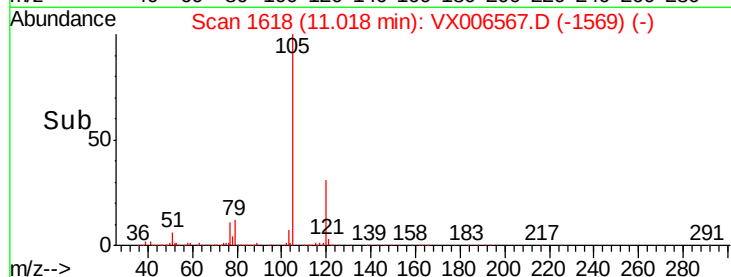
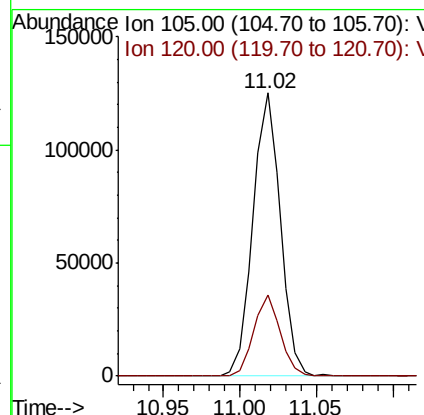
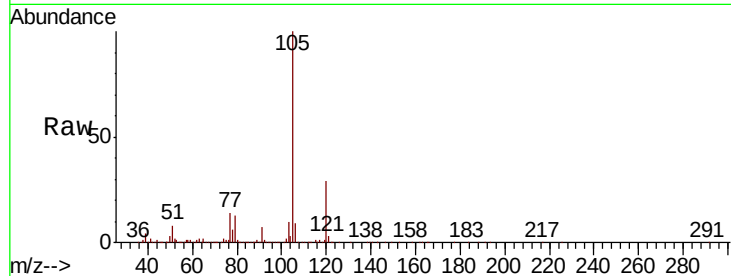
#73
Isopropylbenzene
Concen: 4.477 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.1	42.3

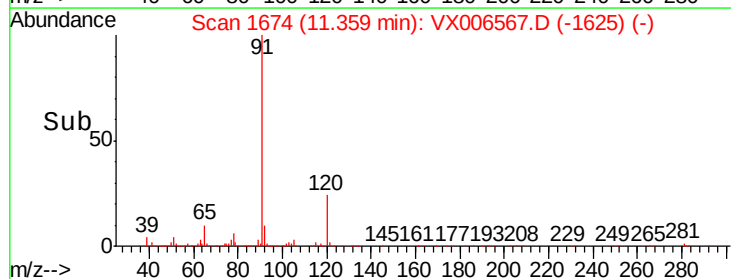
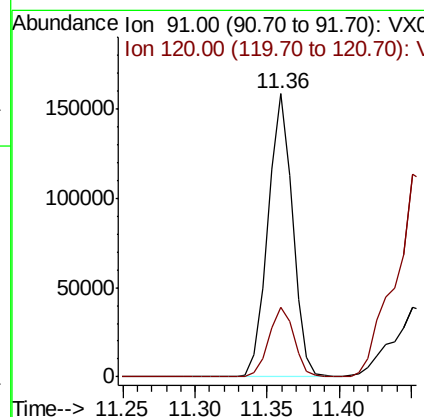
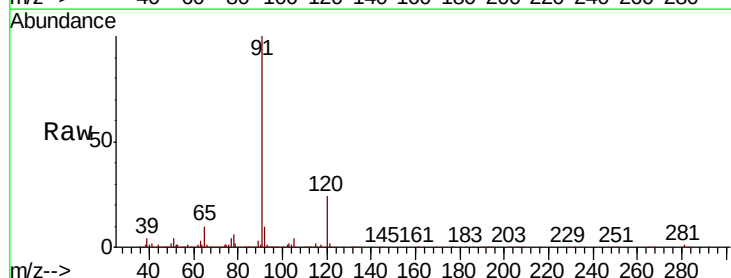
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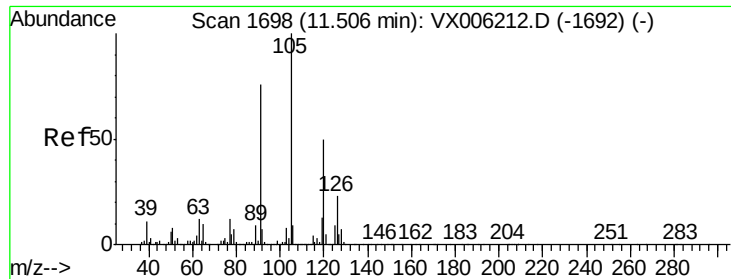
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#78
n-propylbenzene
Concen: 4.803 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.7	38.0





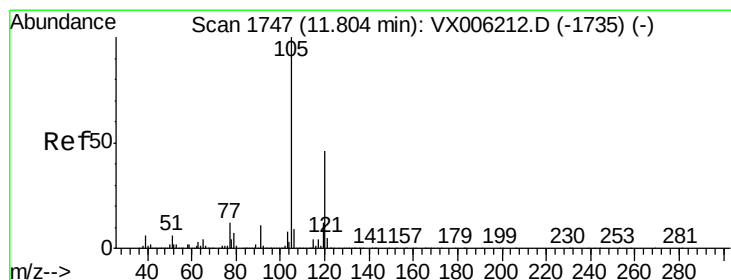
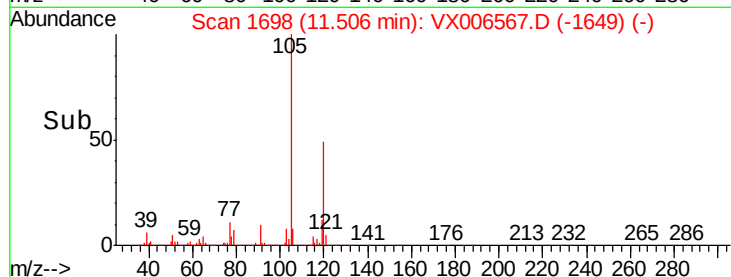
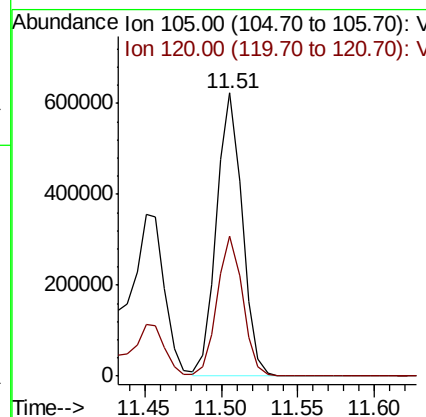
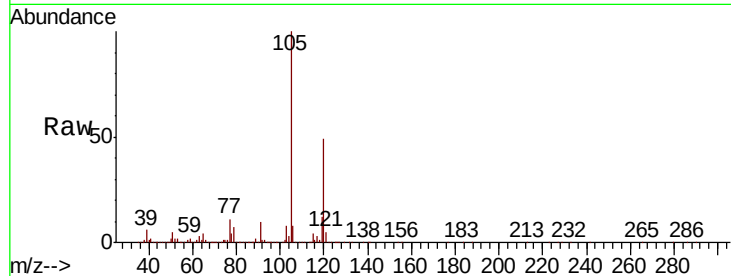
#80
 1,3,5-Trimethylbenzene
 Concen: 25.051 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006567.D
 Acq: 17 Dec 2018 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01_121218DL

Tot Ion:105 Resp: 727468
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.4 76.0

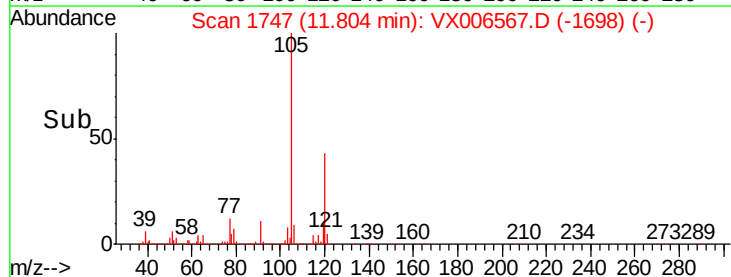
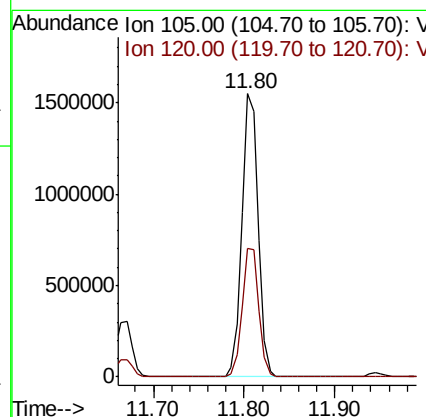
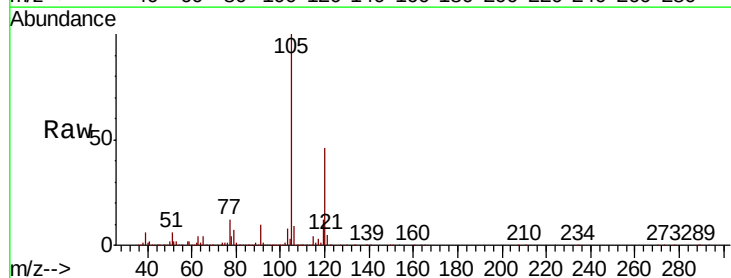
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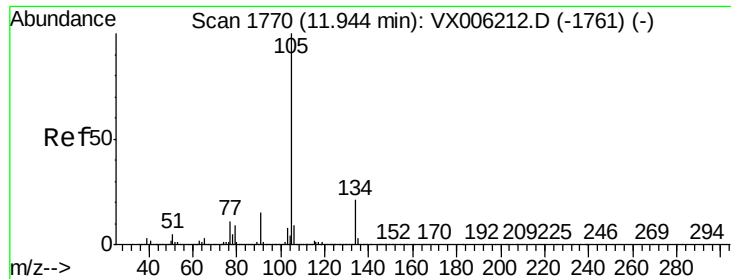
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#84
 1,2,4-Trimethylbenzene
 Concen: 63.862 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006567.D
 Acq: 17 Dec 2018 12:45

Tgt Ion:105 Resp: 1914927
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.0





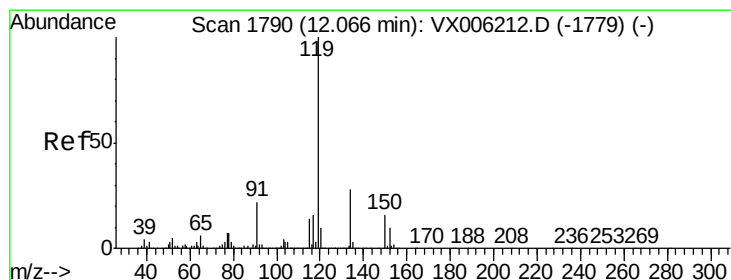
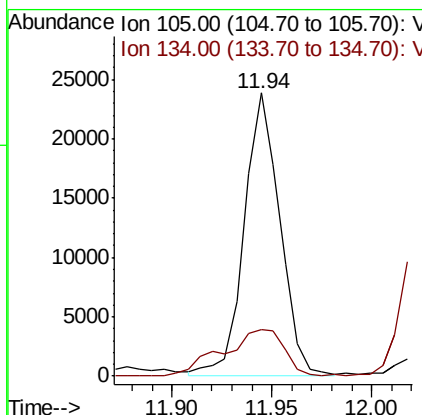
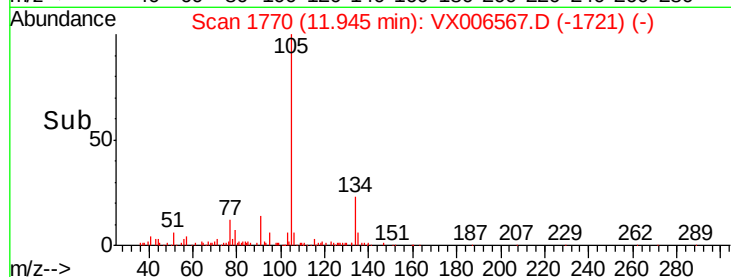
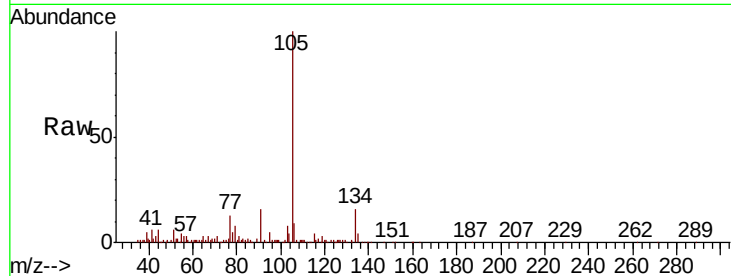
#85
 sec-Butylbenzene
 Concen: 0.845 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006567.D
 Acq: 17 Dec 2018 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01_121218DL

Tot Ion:105 Resp: 29772
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#

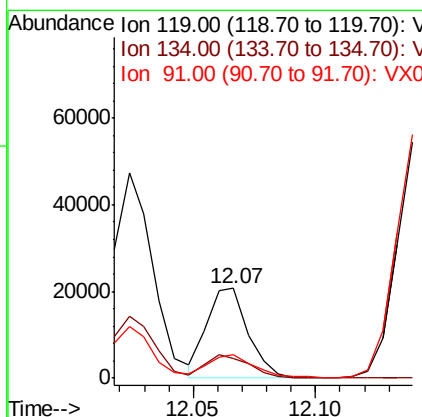
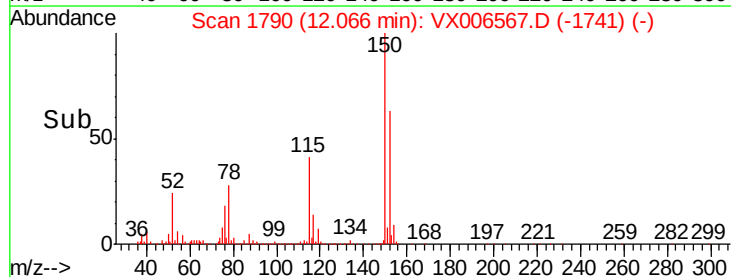
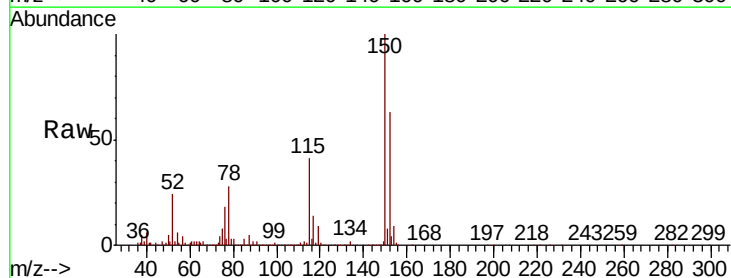
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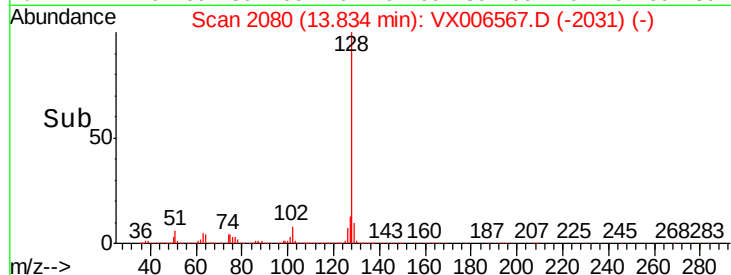
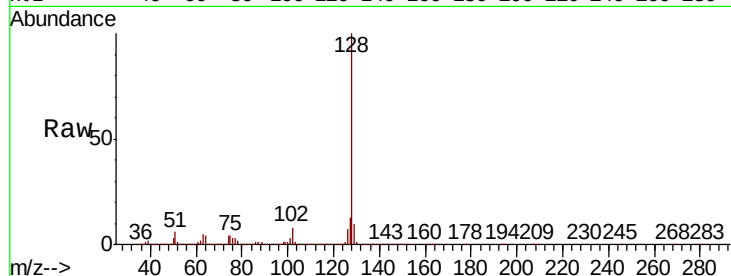
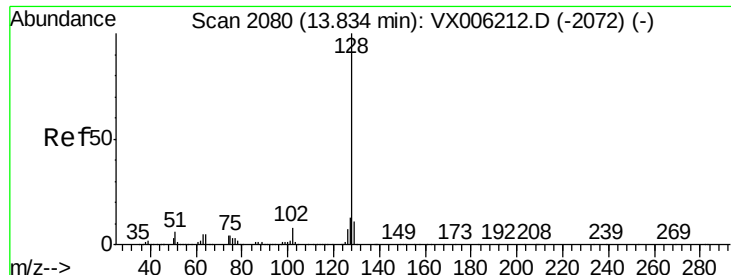
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#86
 p-Isopropyltoluene
 Concen: 0.773 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006567.D
 Acq: 17 Dec 2018 12:45

Tgt Ion:119 Resp: 24527
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.9 41.6
 91 27.5 11.3 33.8





#95
Naphthalene
Concen: 22.481 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006567.D
Acq: 17 Dec 2018 12:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218DL

Tot Ion:	128	Resp:	872664
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.2	8.9	13.3

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