

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061518\
 Data File : VX002617.D
 Acq On : 16 Jun 2018 00:35
 Operator : JC/MD
 Sample : J3467-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-061118

Manual Integrations
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 6/18/2018 5:12:03 PM

Quant Time: Jun 16 11:40:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	212224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193397	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	146107	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	111667	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	8.72	98	443148	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.14	95	172090	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) Chloroform	5.23	83	7860	1.76	ug/l	97
31) Cyclohexane	5.58	56	32608	8.57	ug/l #	96
39) Methylcyclohexane	7.46	83	34026	8.98	ug/l	96
40) Benzene	6.15	78	10777	1.11	ug/l	92
52) Toluene	8.79	92	1341896	216.36	ug/l	99
67) Ethyl Benzene	10.26	91	7555620	623.32	ug/l	97
68) m/p-Xylenes	10.37	106	10525370	2251.02	ug/l #	62
69) o-Xylene	10.70	106	28244	6.15	ug/l	96
73) Isopropylbenzene	11.02	105	800011	61.85	ug/l	100
78) n-propylbenzene	11.37	91	779368	52.54	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1079711	98.77	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	4503725	403.77	ug/l	97
85) sec-Butylbenzene	11.95	105	48102m	3.67	ug/l	
86) p-Isopropyltoluene	12.07	119	28198	2.38	ug/l #	76
89) n-Butylbenzene	12.38	91	43902m	4.20	ug/l	
95) Naphthalene	13.84	128	1808225	139.21	ug/l	100

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

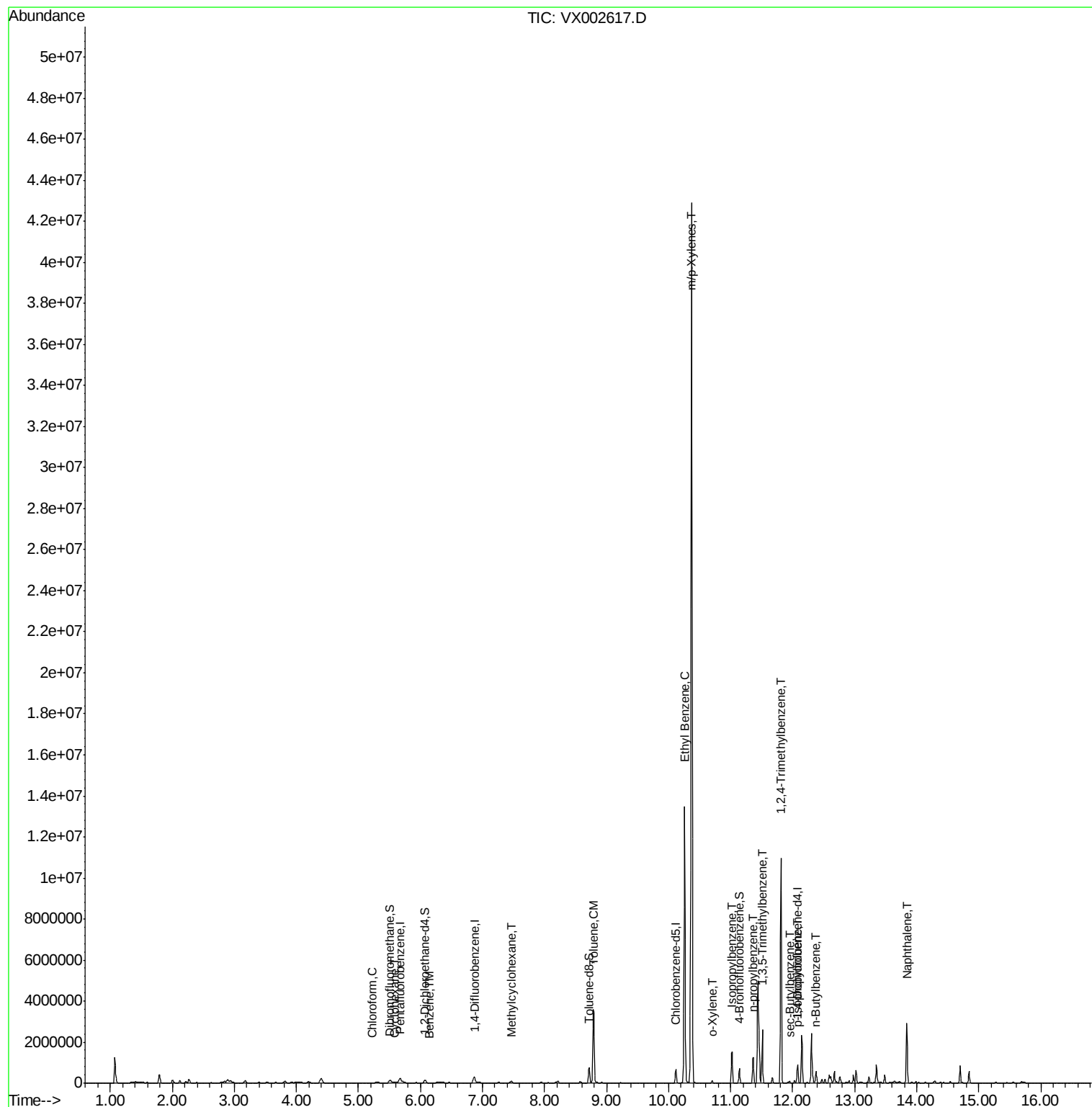
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002617.D
Acq On : 16 Jun 2018 00:35
Operator : JC/MD
Sample : J3467-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

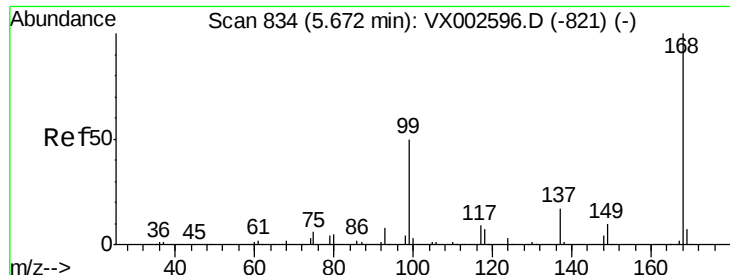
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Manual Integrations
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Quant Time: Jun 16 11:40:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

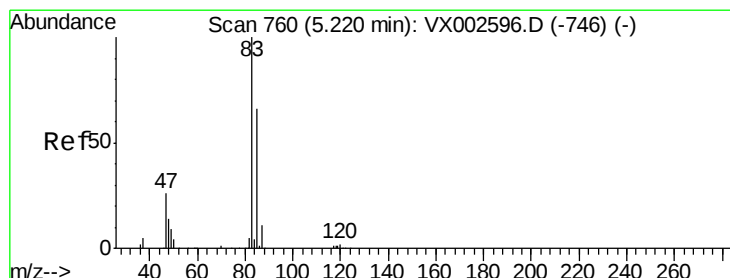
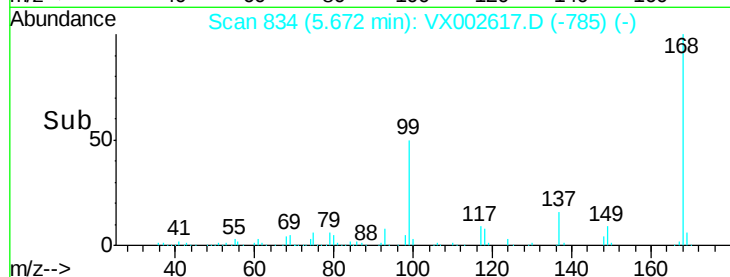
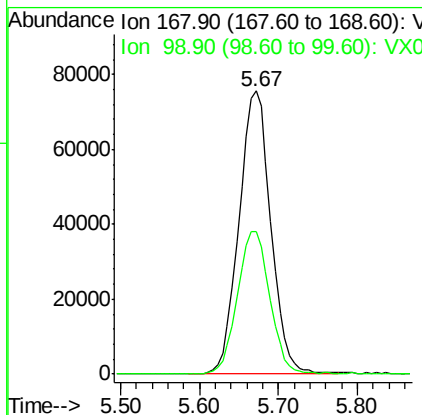
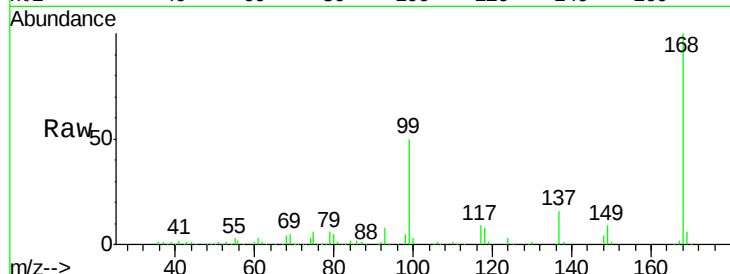
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.3	39.3	58.9

Manual Integrations
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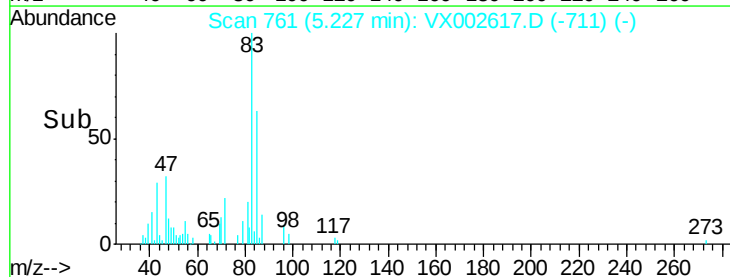
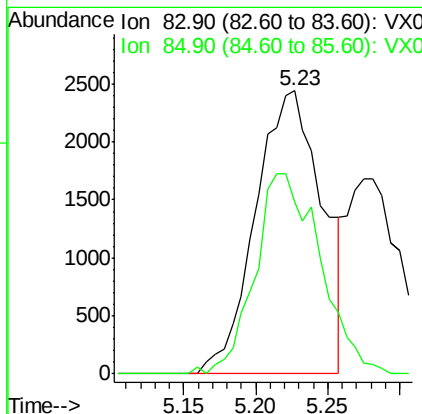
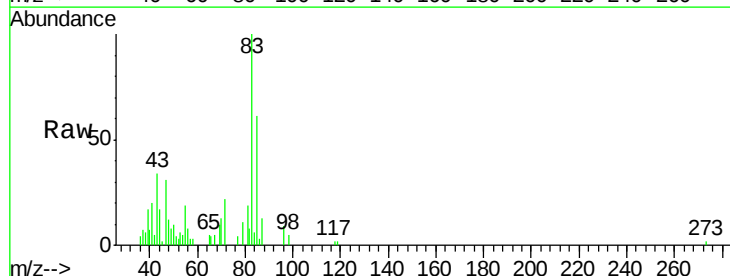
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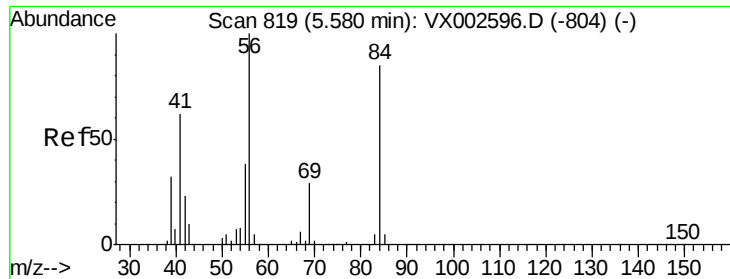


#30

Chloroform
Concen: 1.76 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.4	75.6





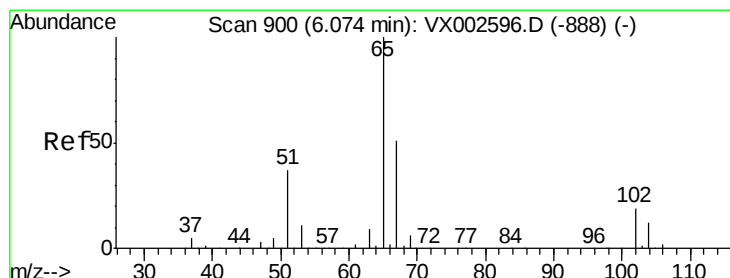
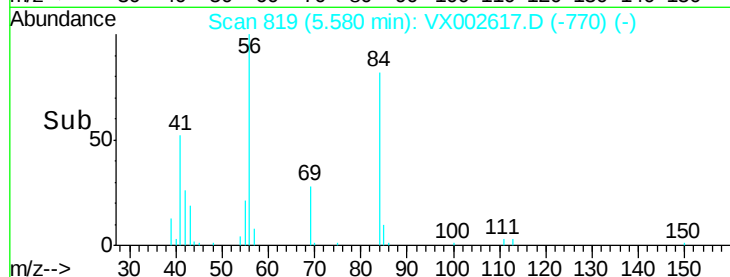
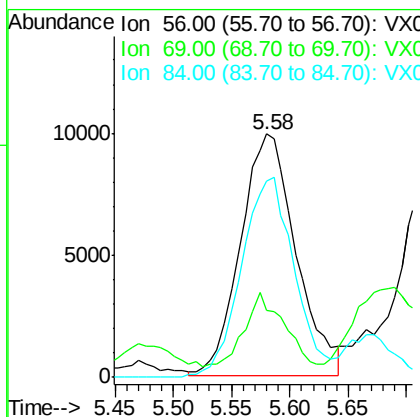
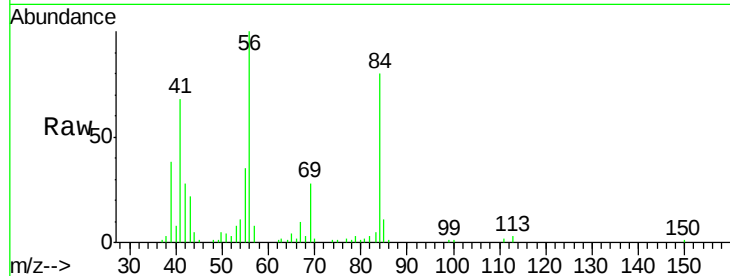
#31
Cyclohexane
Concen: 8.57 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.9	23.7	35.5#
84	81.1	64.1	96.1

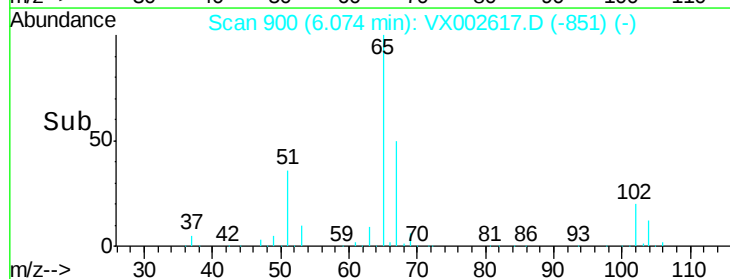
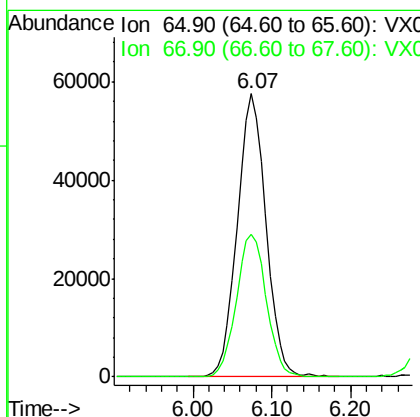
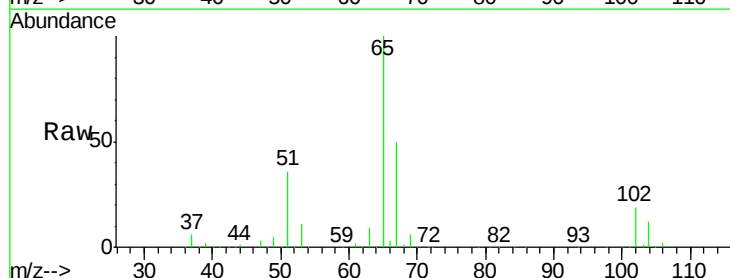
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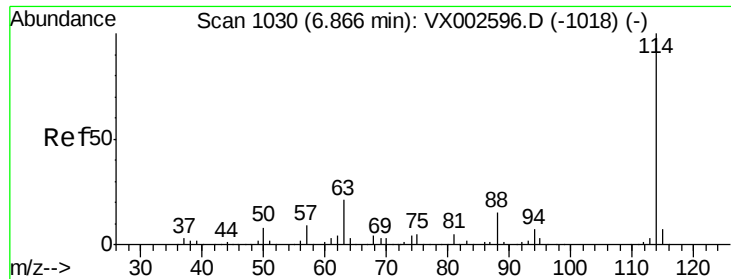
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#33
1,2-Dichloroethane-d4
Concen: 45.30 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.6





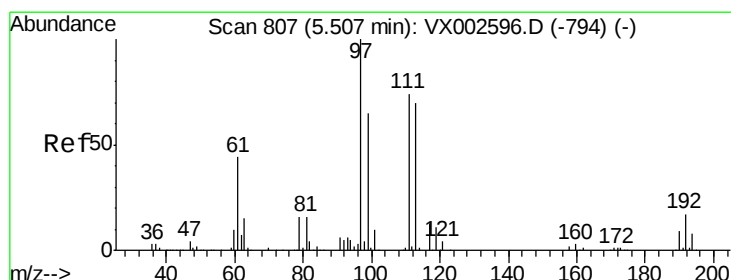
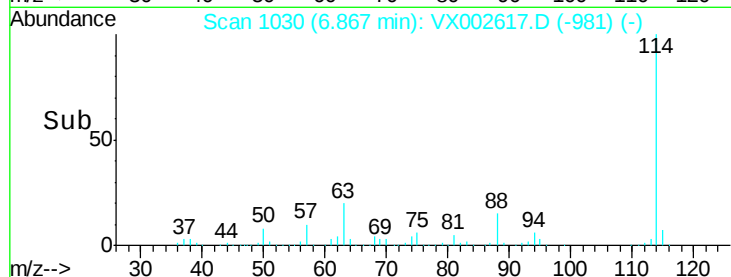
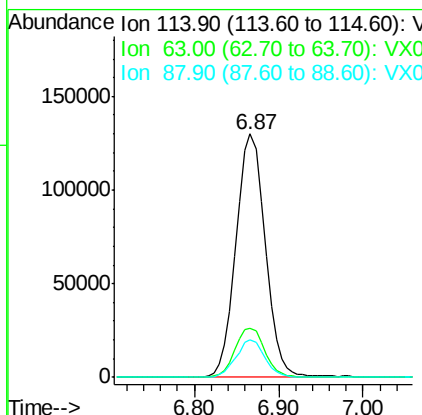
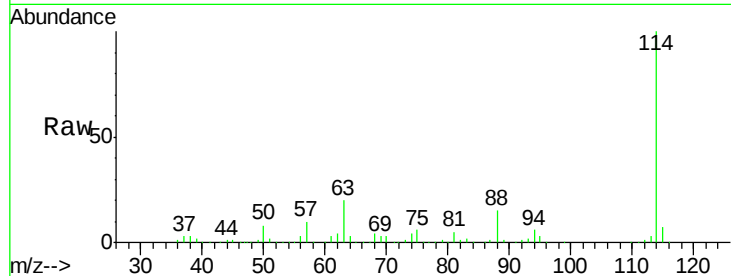
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002617.D
 Acq: 16 Jun 2018 00:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-05-061118

Tot Ion	Ratio	Resp	Lower	Upper
114	100	305309		
63	20.2		0.0	41.4
88	15.5		0.0	30.0

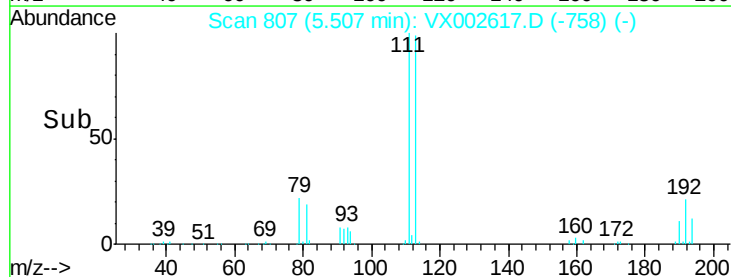
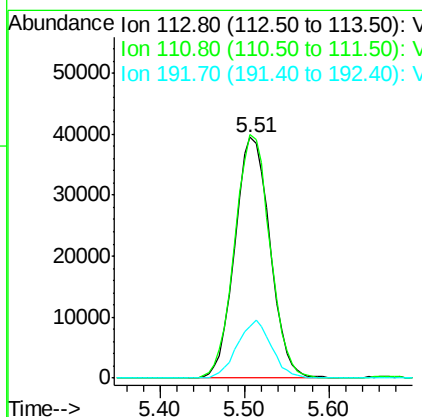
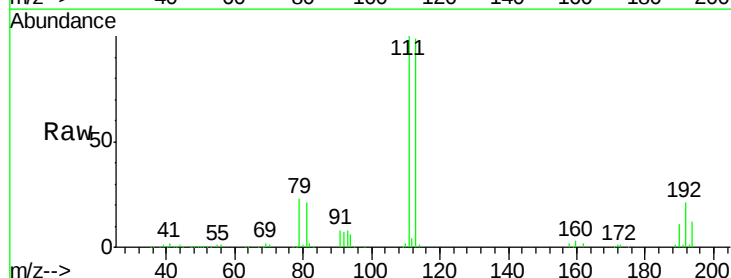
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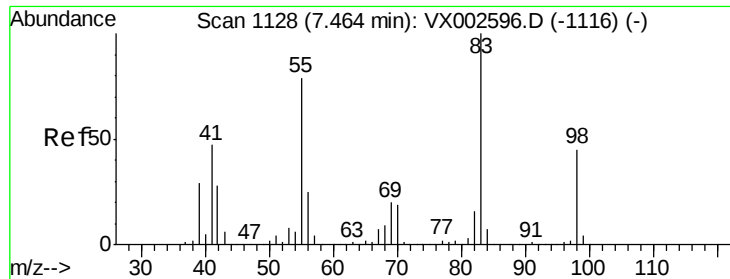
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#35
 Dibromofluoromethane
 Concen: 45.83 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002617.D
 Acq: 16 Jun 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	111667		
111	101.4		81.4	122.0
192	23.4		19.1	28.7





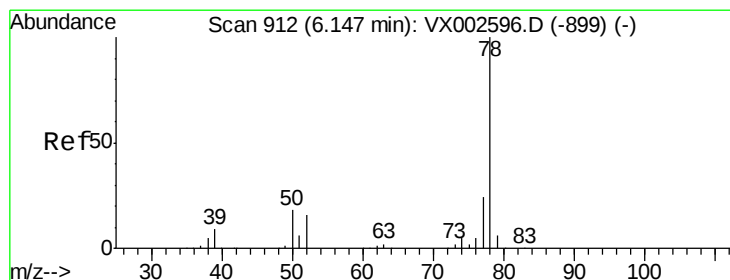
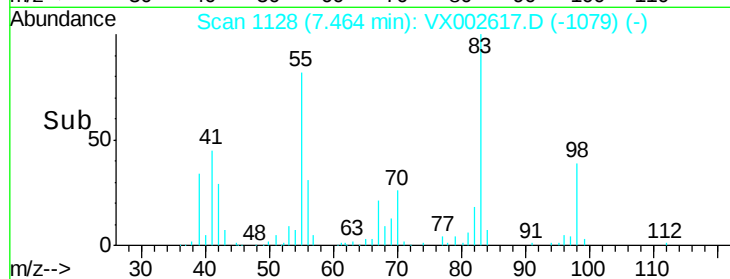
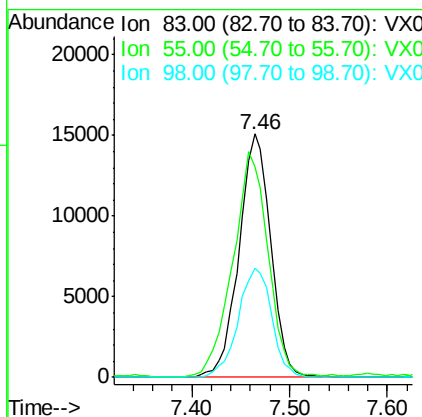
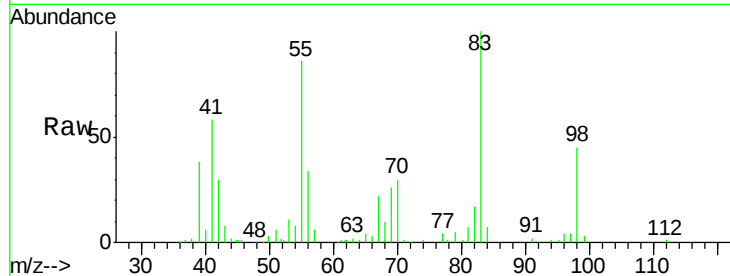
#39
Methvlcvclohexane
Concen: 8.98 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	65.4	98.0
98	44.7	37.4	56.0

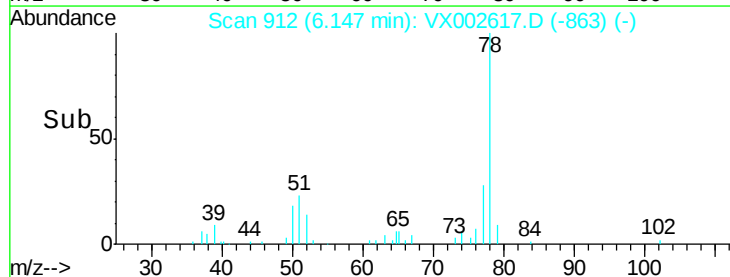
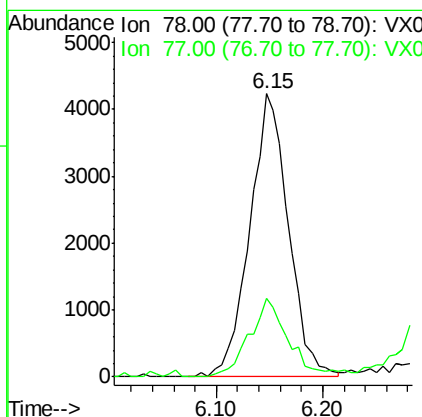
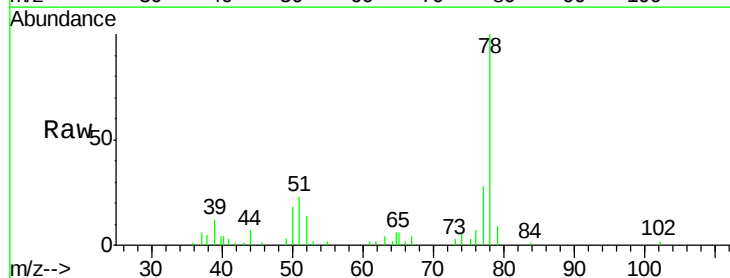
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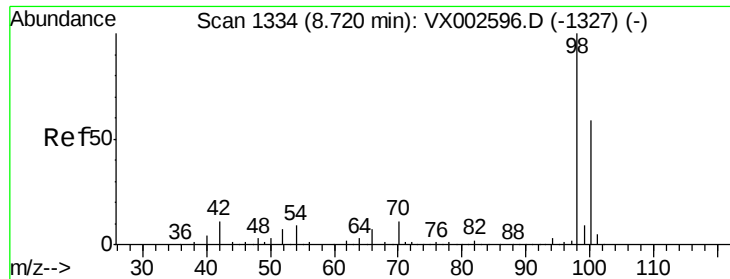
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#40
Benzene
Concen: 1.11 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.8	19.1	28.7





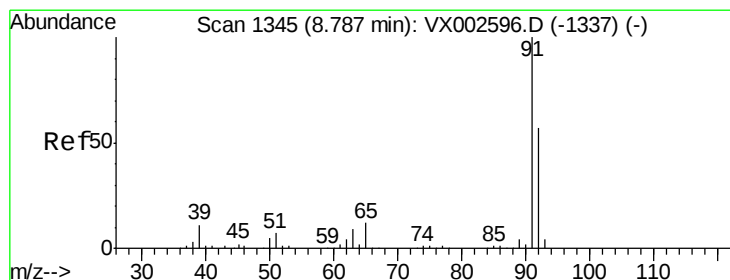
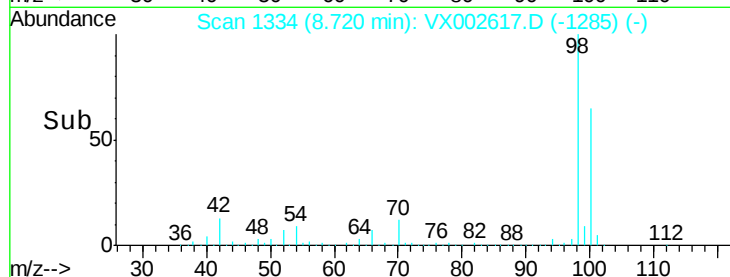
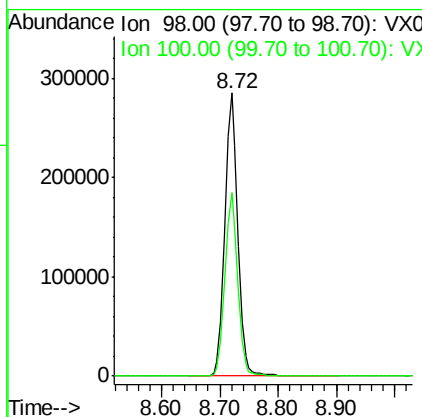
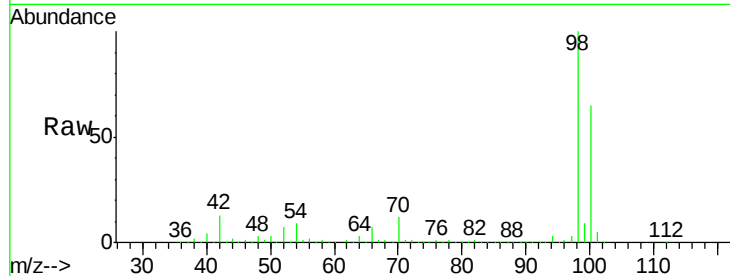
#50
Toluene-d8
Concen: 47.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion: 98 Resp: 443148
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

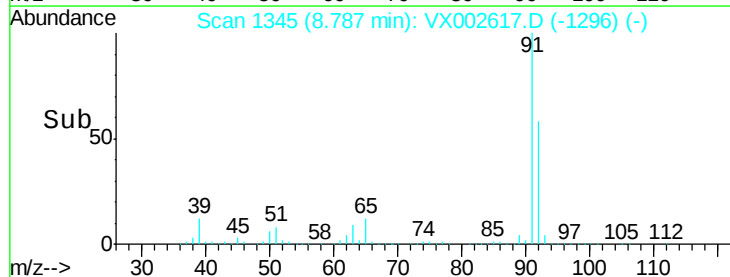
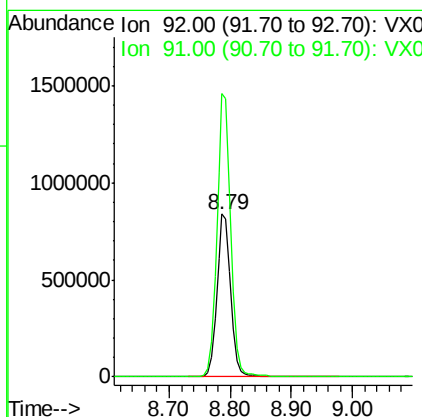
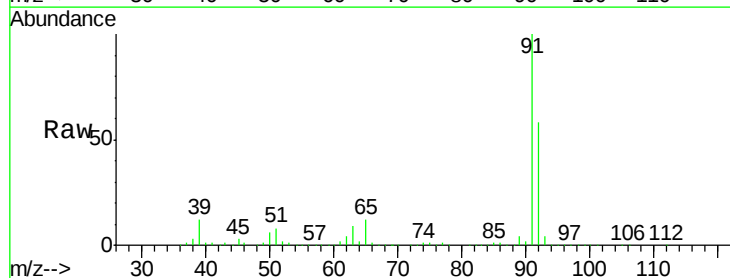
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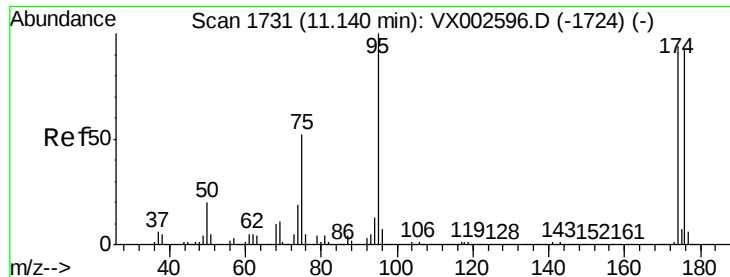
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#52
Toluene
Concen: 216.36 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion: 92 Resp: 1341896
Ion Ratio Lower Upper
92 100
91 174.3 140.4 210.6





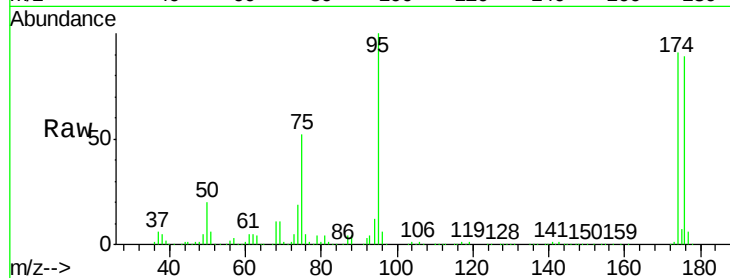
#62
4-Bromofluorobenzene
Concen: 49.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion	Ratio	Resp	Lower	Upper
95	100	172090		
174	96.2	0.0	187.4	
176	93.2	0.0	181.0	

Manual Integrations
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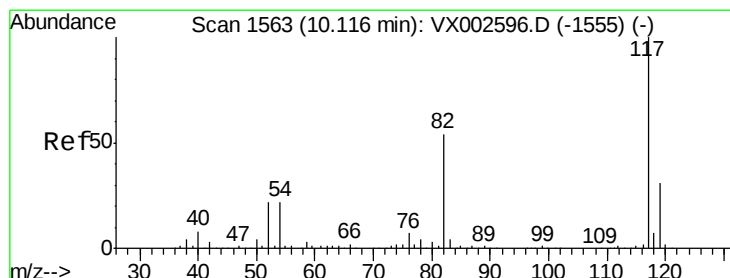
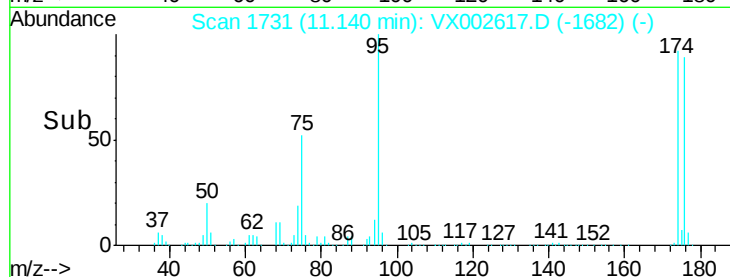
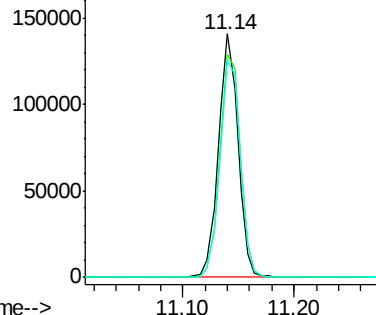
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Abundance Ion 94.90 (94.60 to 95.60): VX002617.D (-1682) (-)

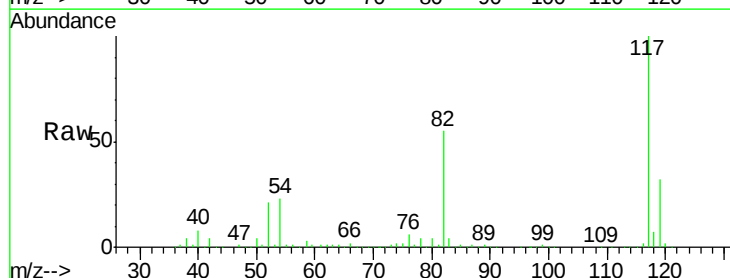
Ion 173.80 (173.50 to 174.50): VX002617.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002617.D (-1682) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

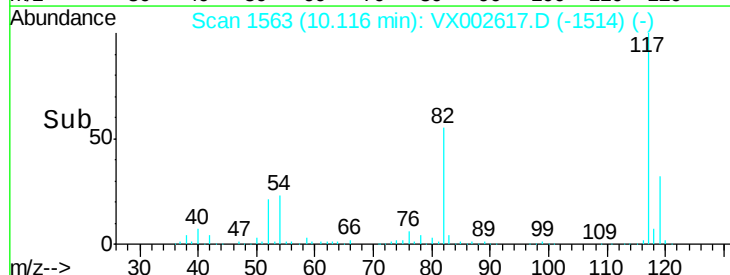
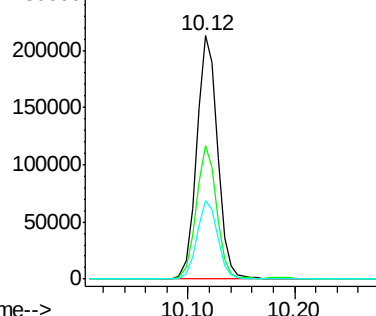
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	292631		
82	55.0	45.0	67.4	
119	32.4	25.8	38.6	

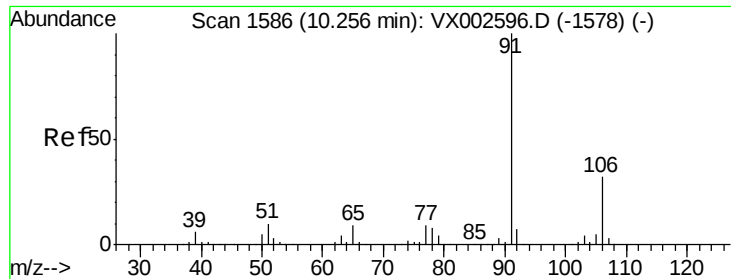


Abundance Ion 116.90 (116.60 to 117.60): VX002617.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002617.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002617.D (-1514) (-)





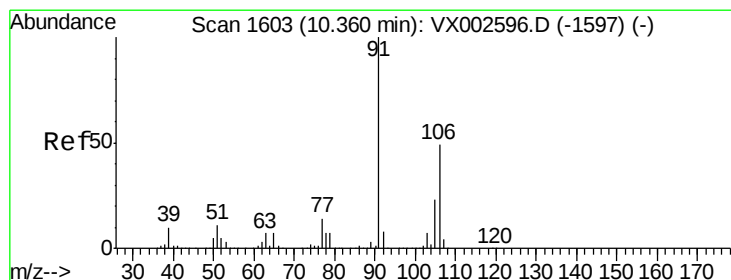
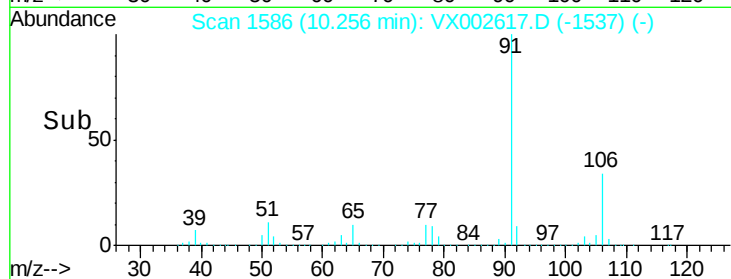
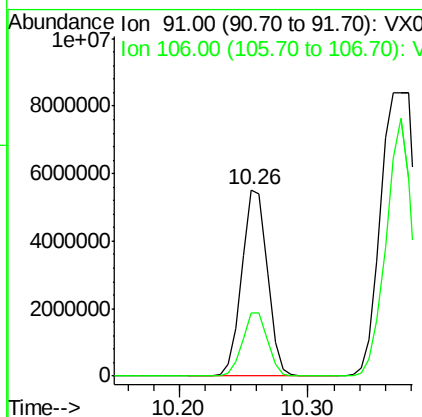
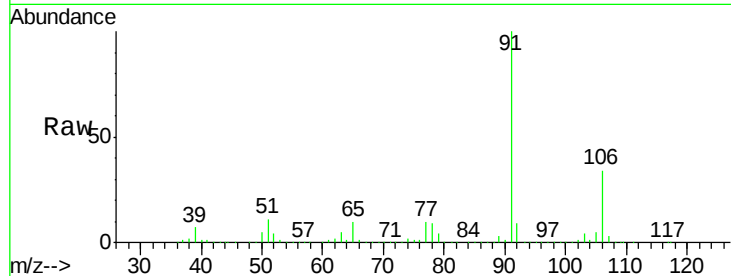
#67
Ethyl Benzene
Concen: 623.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion: 91 Resp: 7555620
Ion Ratio Lower Upper
91 100
106 33.8 25.5 38.3

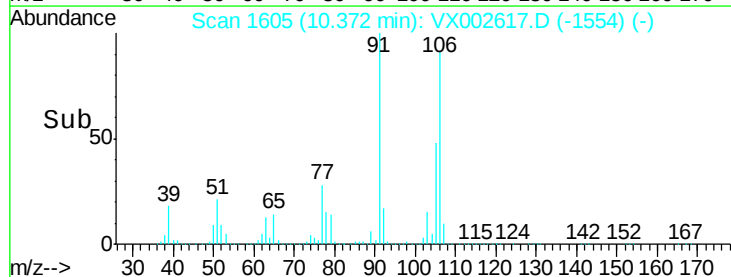
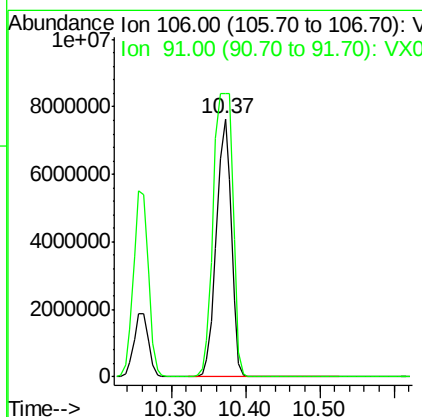
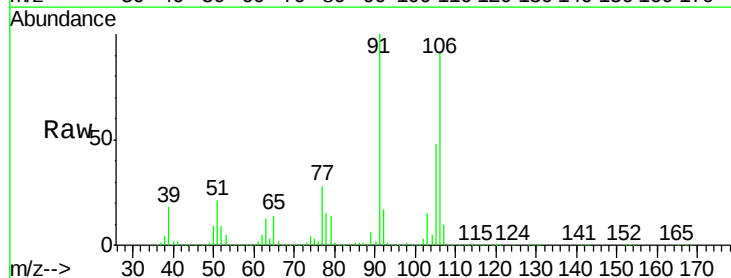
Manual Integrations
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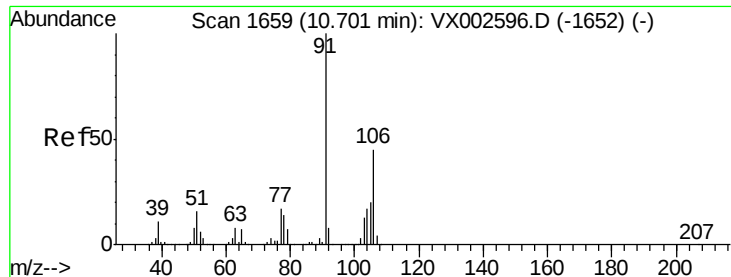
MMDadoda
6/18/2018 5:12:03 PM



#68
m/p-Xylenes
Concen: 2251.02 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion: 106 Resp: 10525370
Ion Ratio Lower Upper
106 100
91 145.9 163.4 245.2#





#69

o-Xylene

Concen: 6.15 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

Instrument :

MSVOA_X

ClientSampled :

PR-MW-05-061118

Tot Ion:106 Resp: 28244

Ion Ratio Lower Upper

106 100

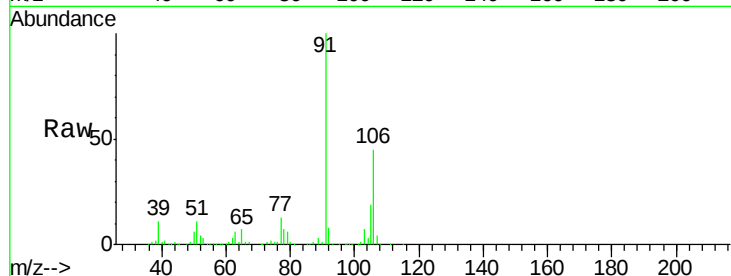
91 210.4 108.2 324.6

Manual Integrations

APPROVED

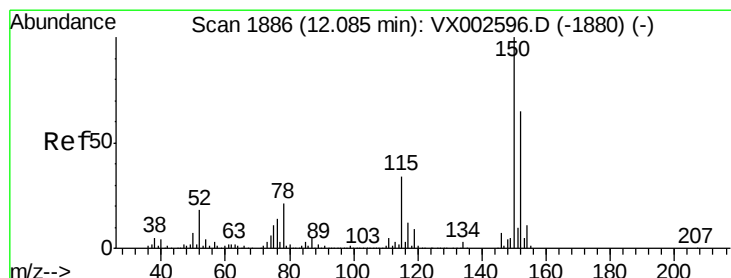
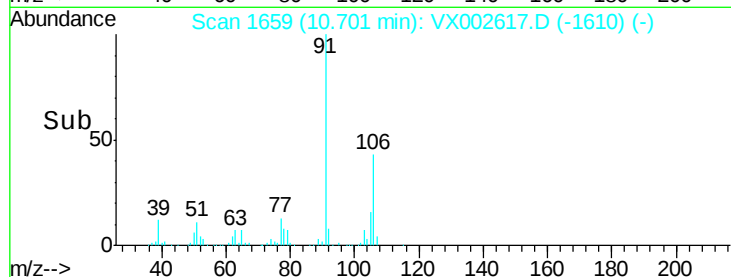
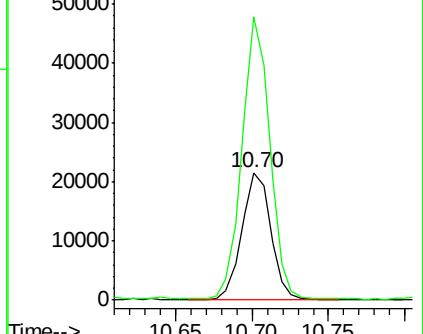
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

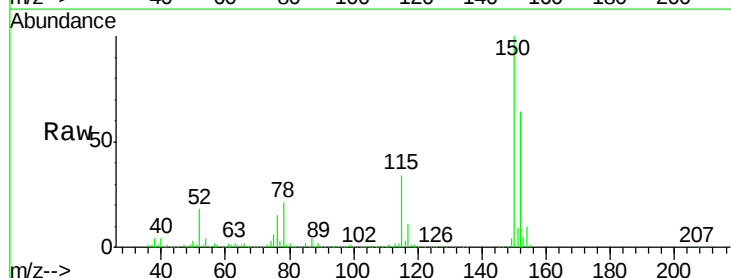
Tgt Ion:152 Resp: 193397

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

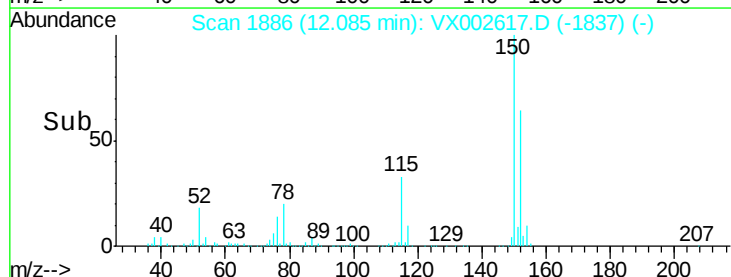
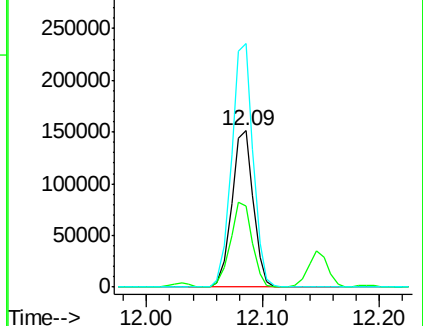
150 156.3 0.0 347.2

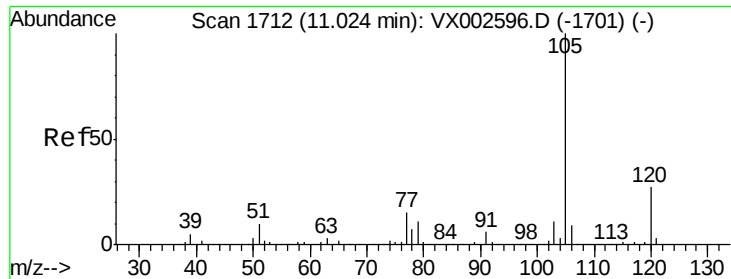


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.85 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-061118

Tot Ion: 105 Resp: 800011

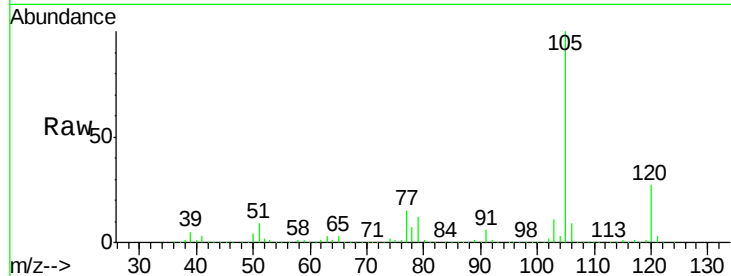
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4

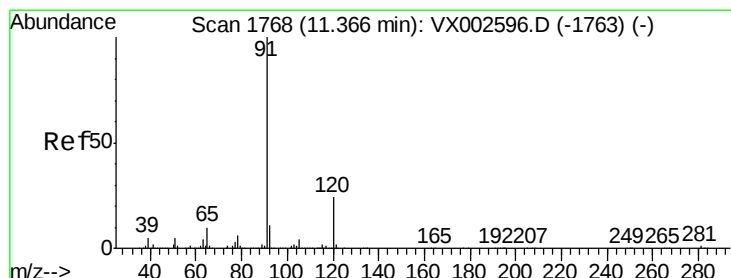
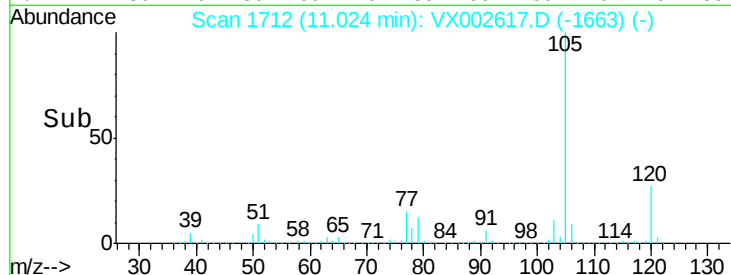
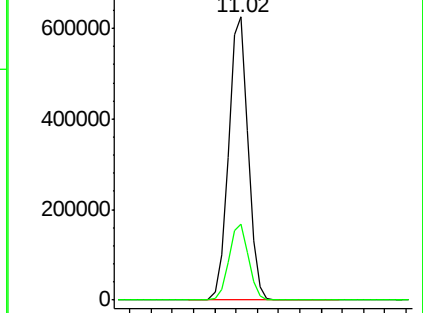
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 52.54 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002617.D

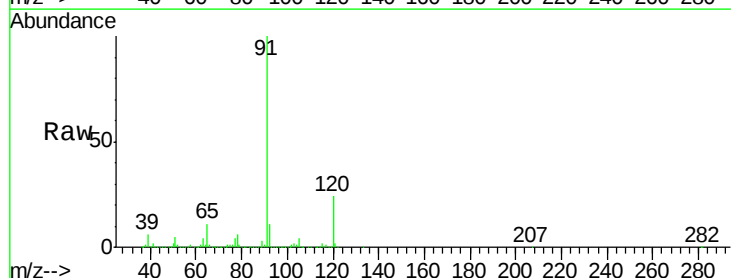
Acq: 16 Jun 2018 00:35

Tgt Ion: 91 Resp: 779368

Ion Ratio Lower Upper

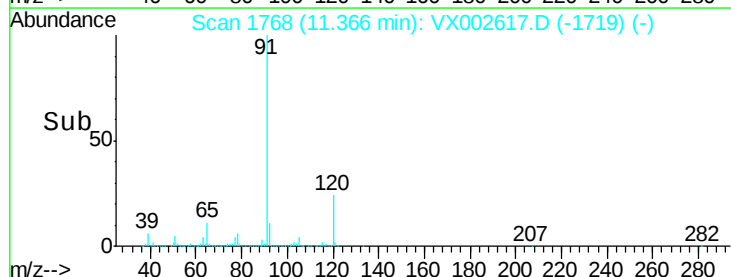
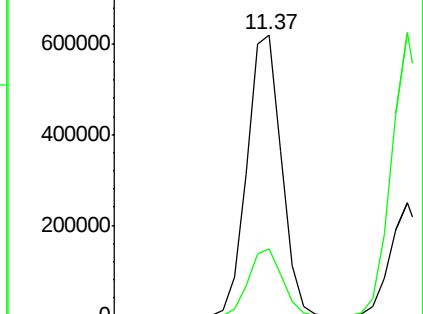
91 100

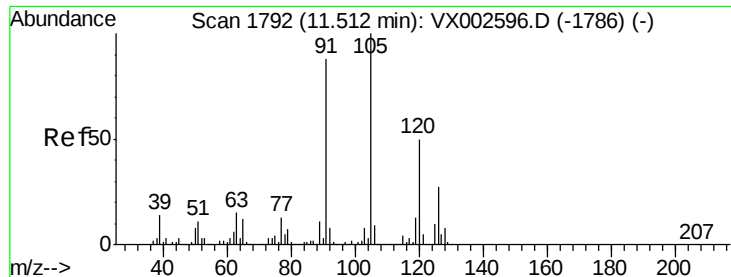
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 98.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-061118

Tot Ion:105 Resp: 1079711

Ion Ratio Lower Upper

105 100

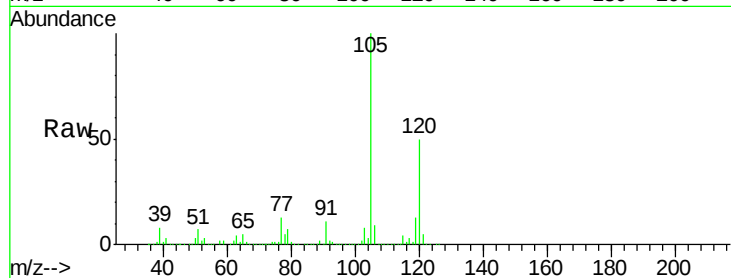
120 49.3 24.4 73.4

Manual Integrations

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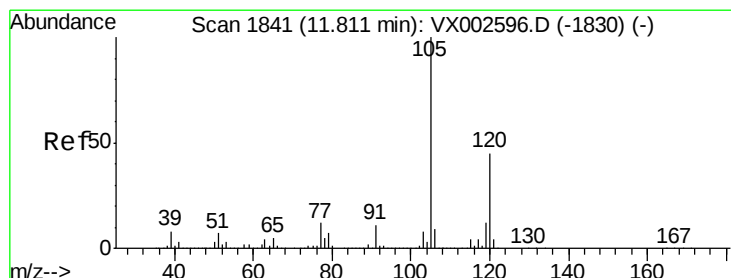
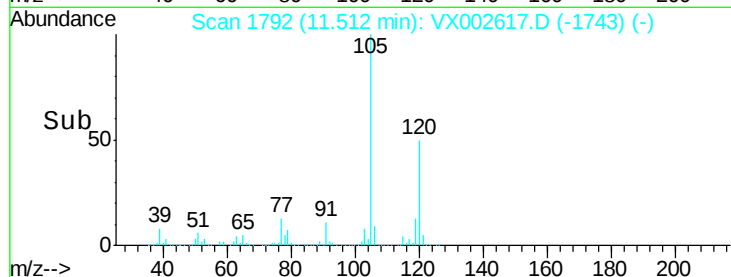
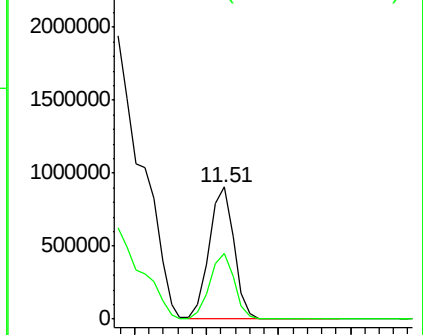
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 403.77 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002617.D

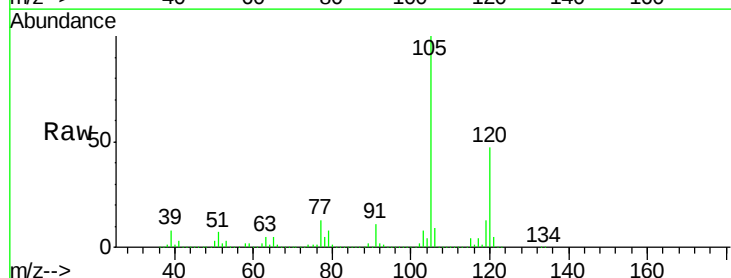
Acq: 16 Jun 2018 00:35

Tgt Ion:105 Resp: 4503725

Ion Ratio Lower Upper

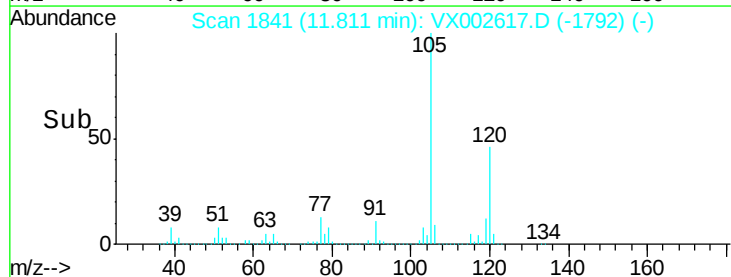
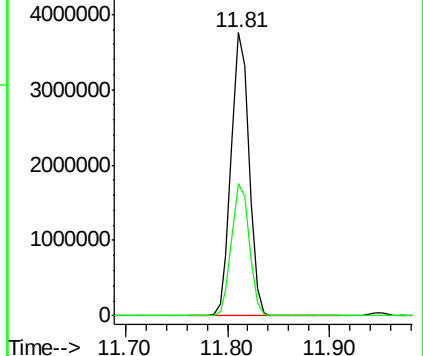
105 100

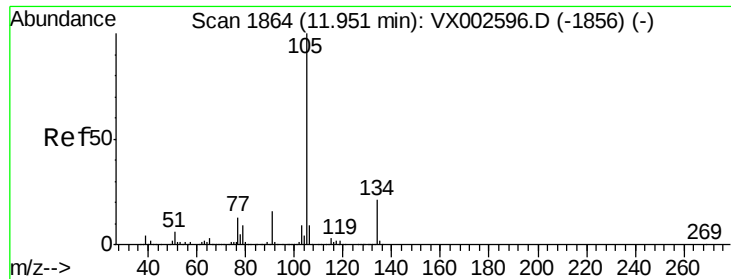
120 46.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.67 ug/l m

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-05-061118

Tot Ion:105 Resp: 48102

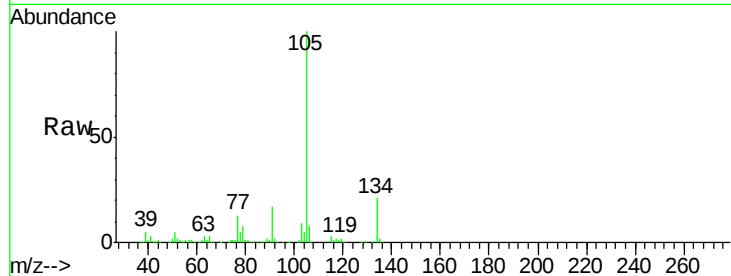
Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

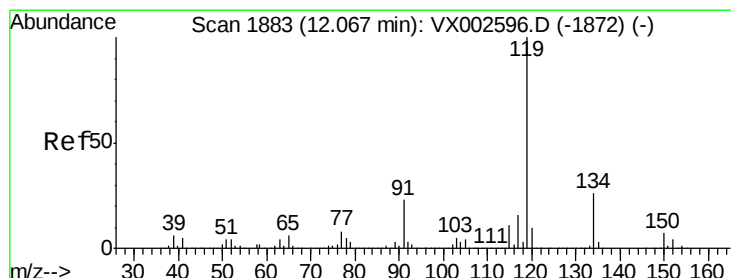
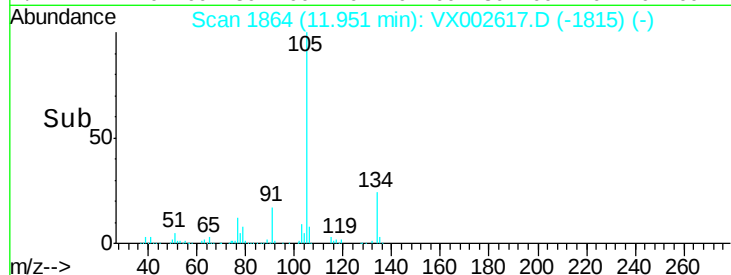
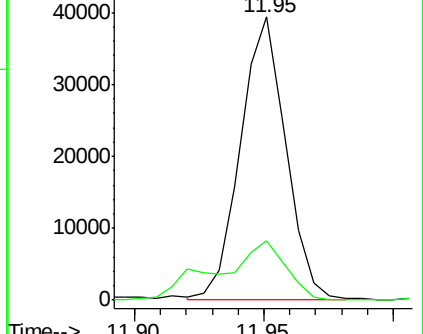
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.38 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002617.D

Acq: 16 Jun 2018 00:35

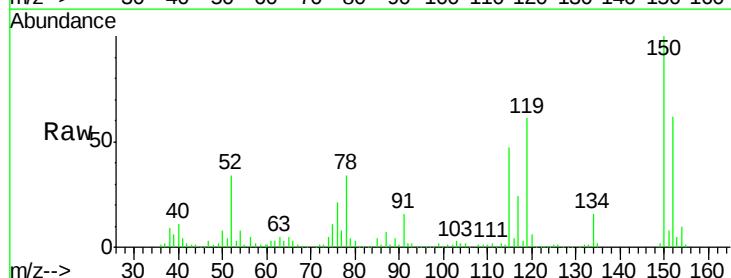
Tgt Ion:119 Resp: 28198

Ion Ratio Lower Upper

119 100

134 28.2 13.4 40.1

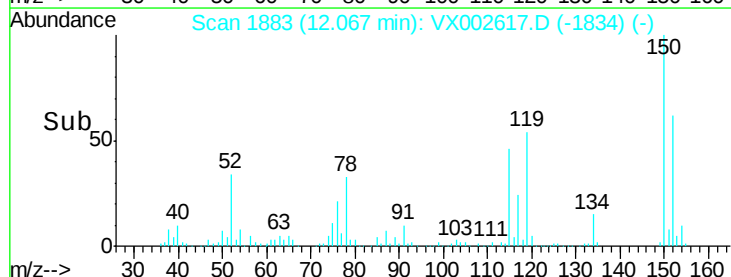
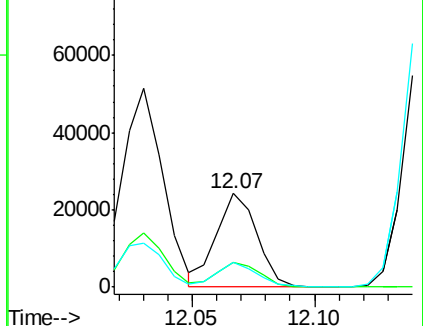
91 0.0 11.9 35.7#

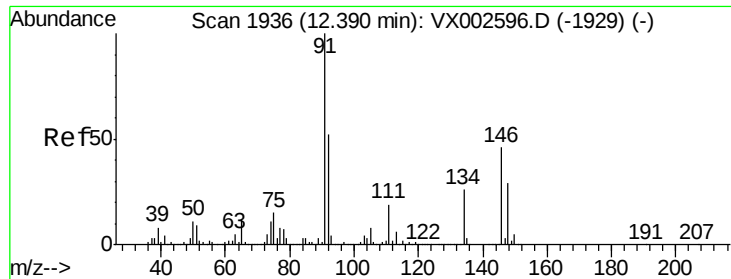


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





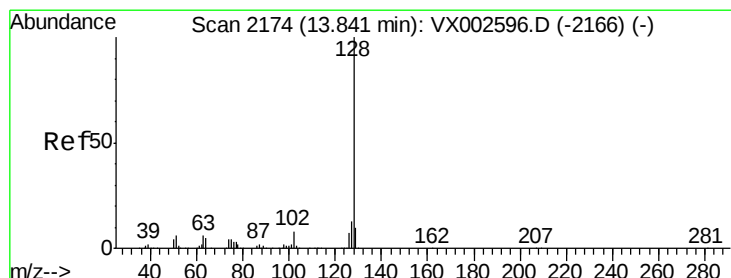
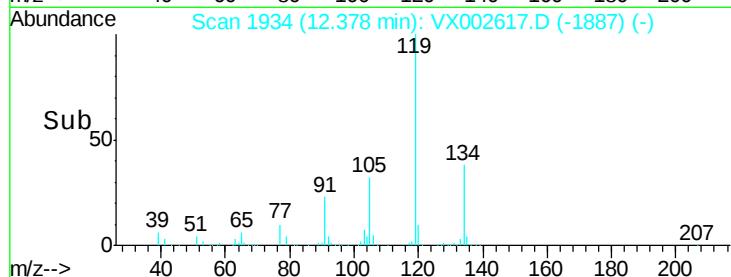
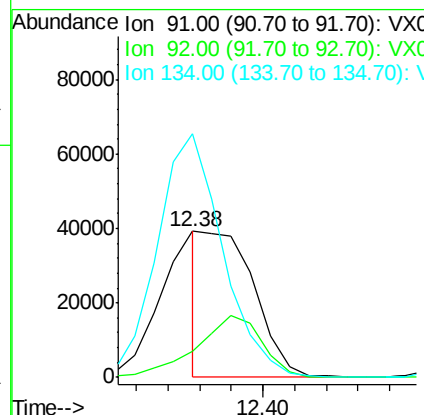
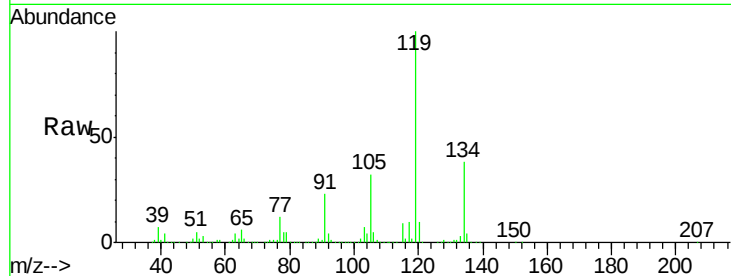
#89
n-Butylbenzene
Concen: 4.20 ug/l m
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-05-061118

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.0	78.0
134	214.2	13.5	40.5

Manual Integrations
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#95
Naphthalene
Concen: 139.21 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002617.D
Acq: 16 Jun 2018 00:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

