

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061518\
 Data File : VX002620.D
 Acq On : 16 Jun 2018 01:55
 Operator : JC/MD
 Sample : J3467-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-061218

Manual Integrations
 APPROVED

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 6/18/2018 5:12:05 PM

Quant Time: Jun 16 05:44:28 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	213157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	308116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186525	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	146544	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.51	113	113052	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
50) Toluene-d8	8.72	98	447573	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.14	95	167411	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	36545	25.57	ug/l	96
25) 2-Butanone	4.71	43	6386	3.40	ug/l	96
31) Cyclohexane	5.58	56	15658	4.10	ug/l	97
39) Methylcyclohexane	7.46	83	25097	6.56	ug/l	98
40) Benzene	6.15	78	5097	0.52	ug/l	93
52) Toluene	8.79	92	232770	37.19	ug/l	100
67) Ethyl Benzene	10.26	91	2470371	207.07	ug/l	100
68) m/p-Xylenes	10.37	106	2137826	464.56	ug/l	97
69) o-Xylene	10.71	106	938366	207.54	ug/l	98
73) Isopropylbenzene	11.02	105	302000	24.21	ug/l	100
78) n-propylbenzene	11.37	91	412078	28.80	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1731933	164.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	4319485	401.52	ug/l	97
85) sec-Butylbenzene	11.95	105	61462m	4.87	ug/l	
86) p-Isopropyltoluene	12.07	119	60958	5.33	ug/l	98
95) Naphthalene	13.84	128	1742613	139.10	ug/l	98

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

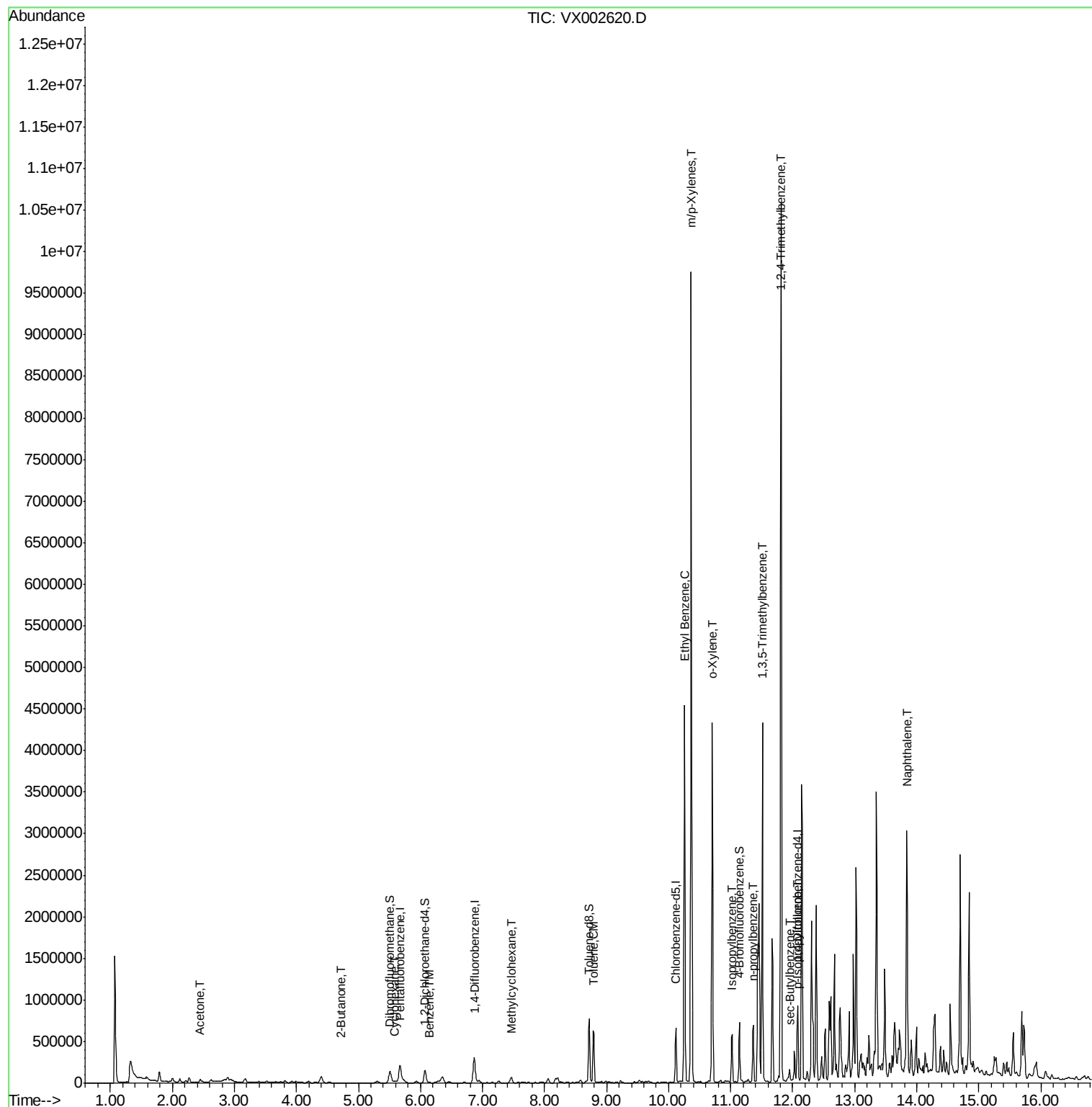
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002620.D
Acq On : 16 Jun 2018 01:55
Operator : JC/MD
Sample : J3467-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

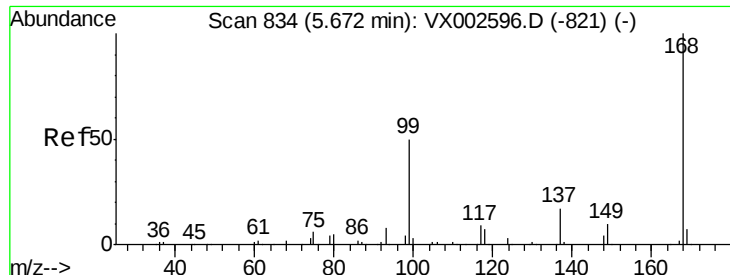
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-061218

Manual Integrations
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6/18/2018 5:12:05 PM

Quant Time: Jun 16 05:44:28 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





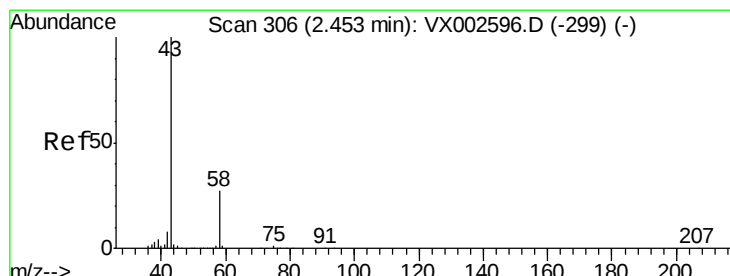
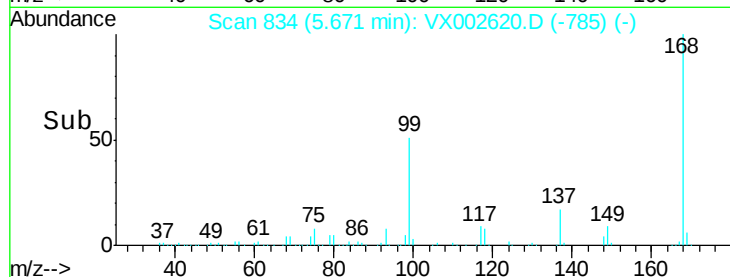
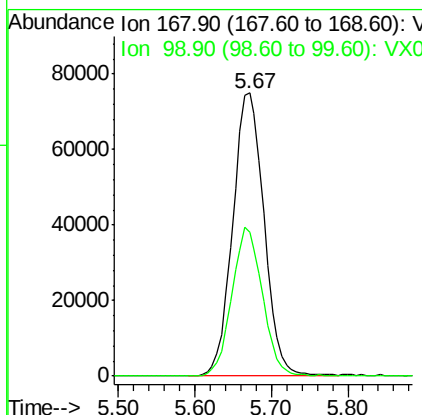
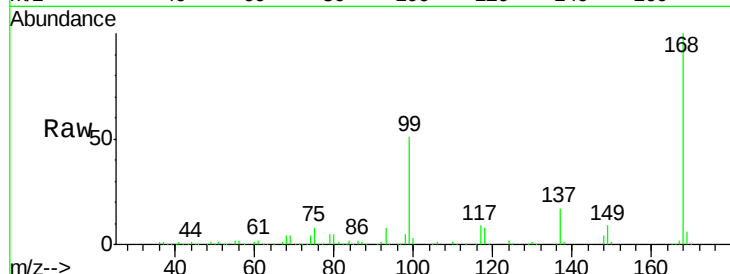
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-061218

Tot Ion	Ratio	Resp	Lower	Upper
168	100	213157		
99	50.8	39.3	58.9	

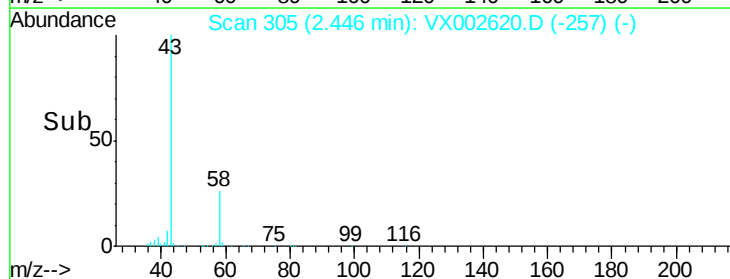
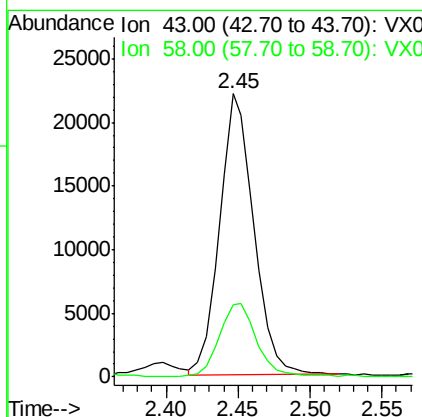
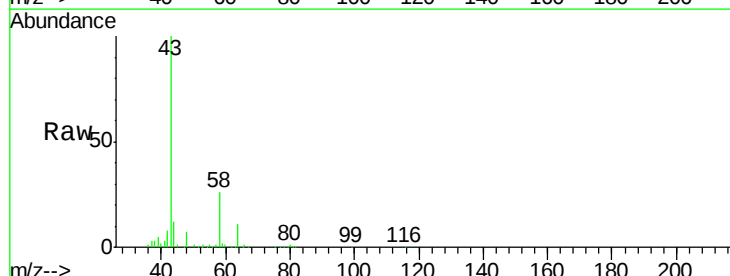
Manual Integrations
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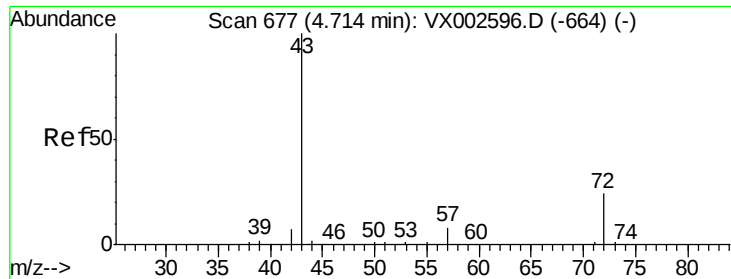
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#16
Acetone
Concen: 25.57 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36545		
58	25.7	22.1	33.1	





#25

2-Butanone

Concen: 3.40 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-061218

Tot Ion: 43 Resp: 6386

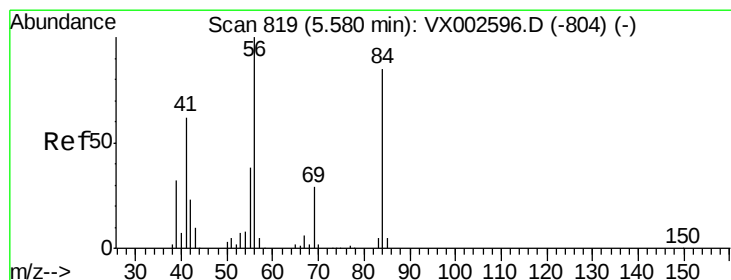
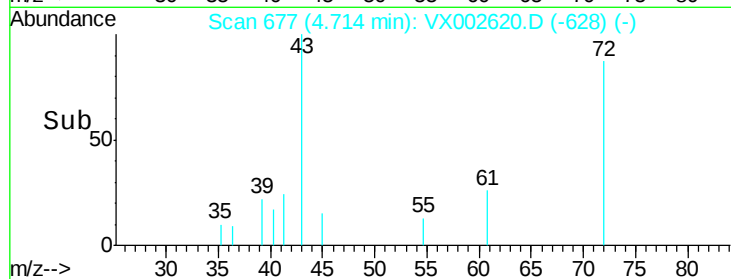
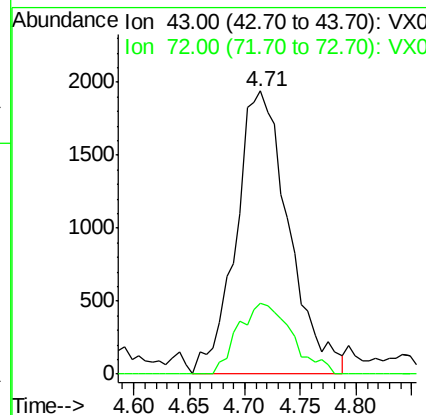
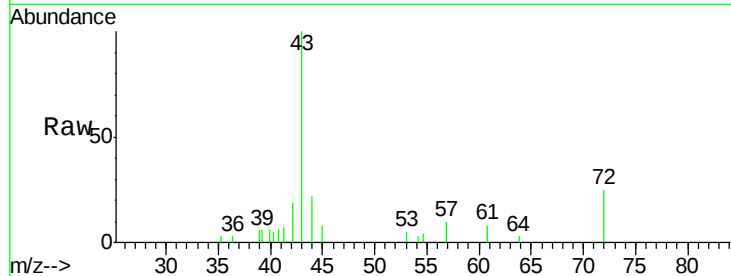
Ion Ratio Lower Upper

43 100

72 25.0 18.5 27.7

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#31

Cyclohexane

Concen: 4.10 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

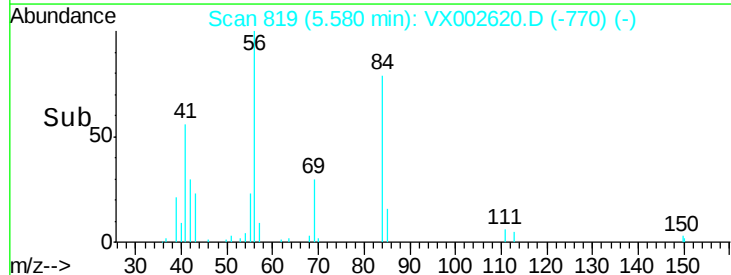
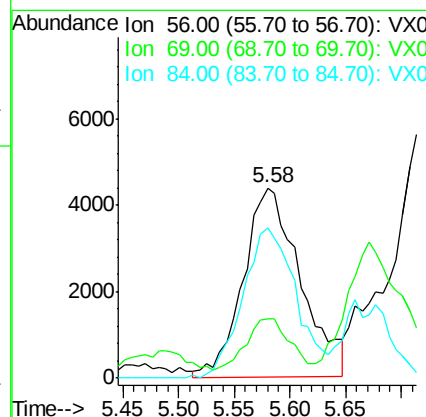
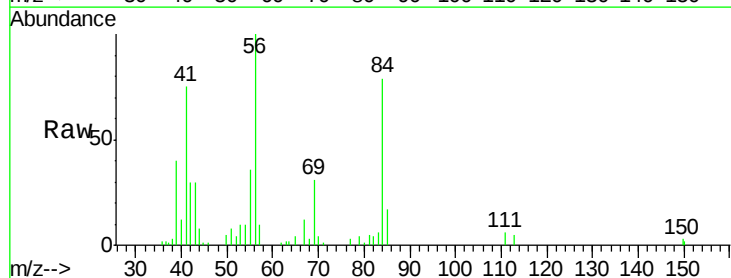
Tgt Ion: 56 Resp: 15658

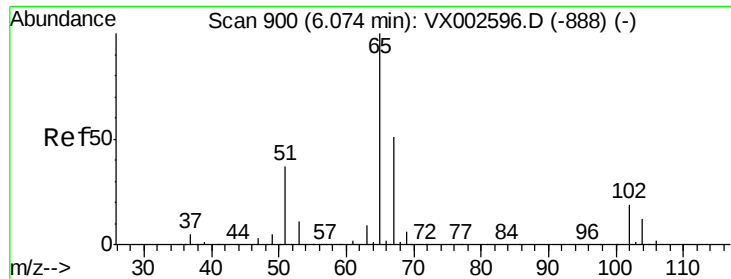
Ion Ratio Lower Upper

56 100

69 23.9 23.7 35.5

84 80.5 64.1 96.1





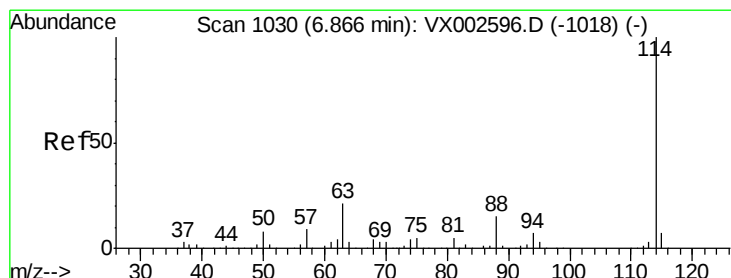
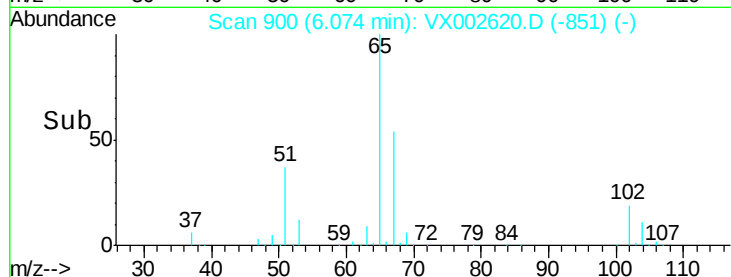
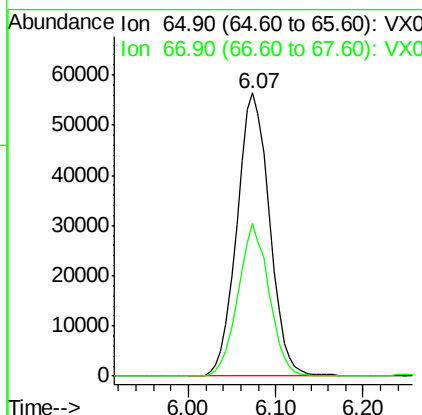
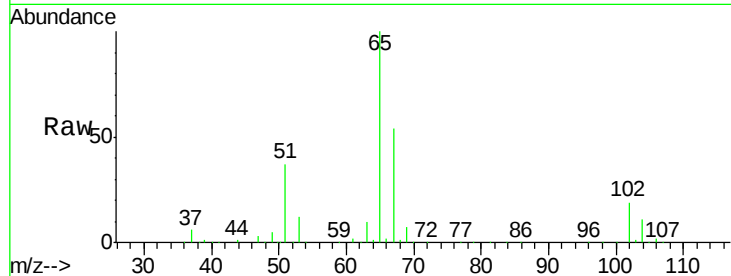
#33
 1,2-Dichloroethane-d4
 Concen: 45.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002620.D
 Acq: 16 Jun 2018 01:55

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-061218

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

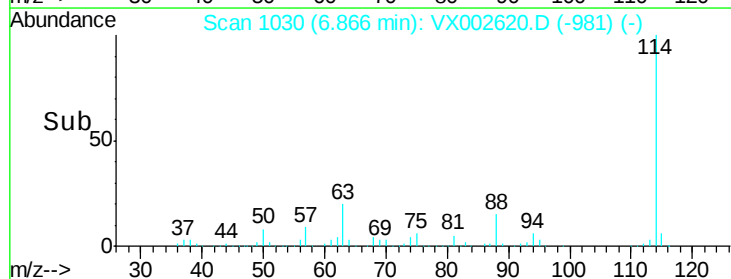
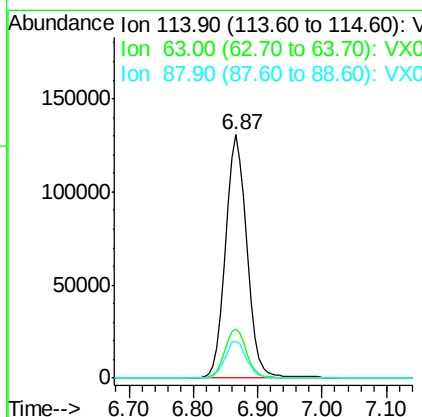
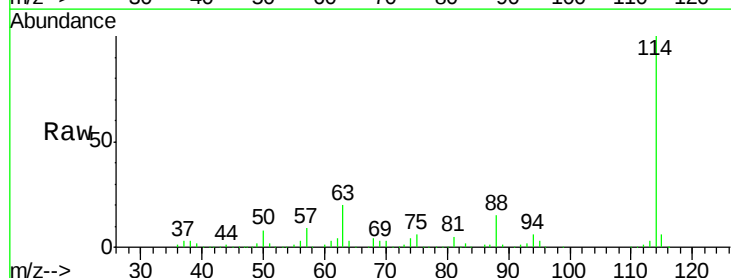
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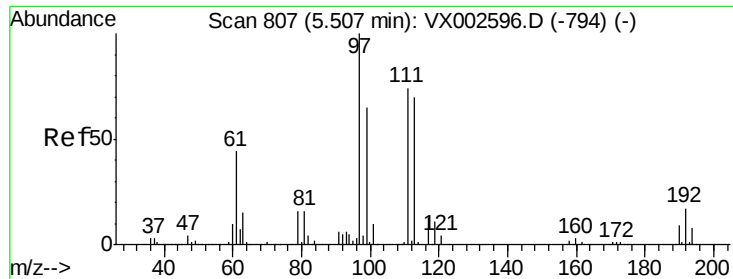
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002620.D
 Acq: 16 Jun 2018 01:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	15.0	0.0	30.0





#35

Dibromofluoromethane

Concen: 45.97 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

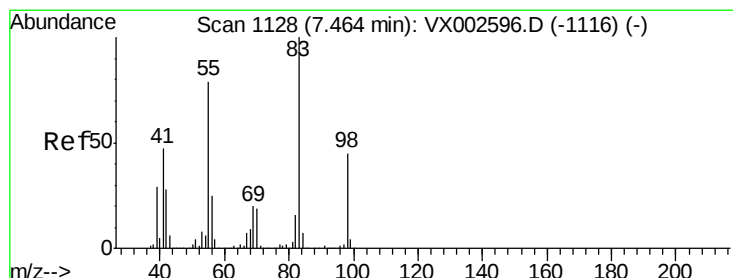
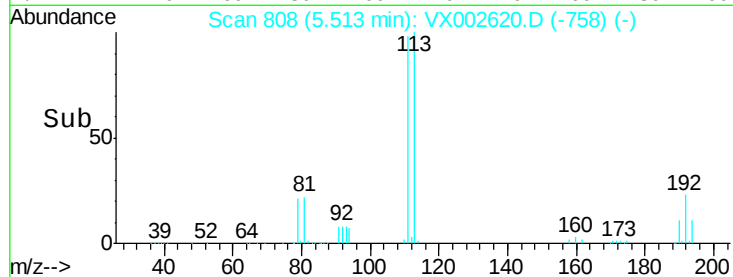
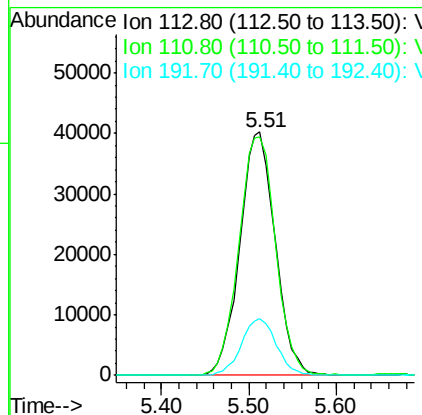
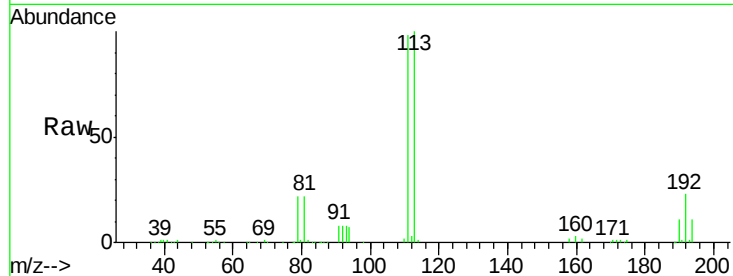
ClientSampleId :

PR-MW-01-061218

Tot Ion:	113	Resp:	113052
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.4	122.0
192	22.9	19.1	28.7

Manual Integrations
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#39

Methylcyclohexane

Concen: 6.56 ug/l

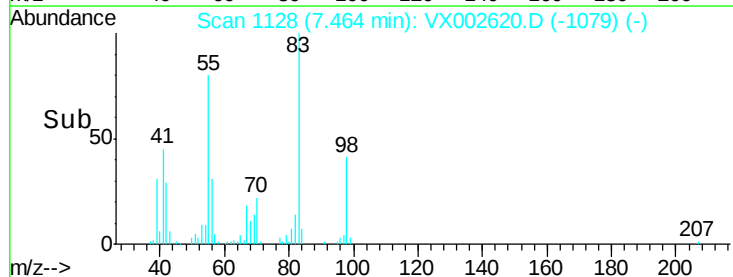
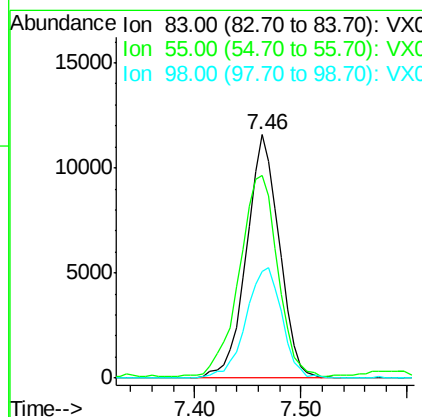
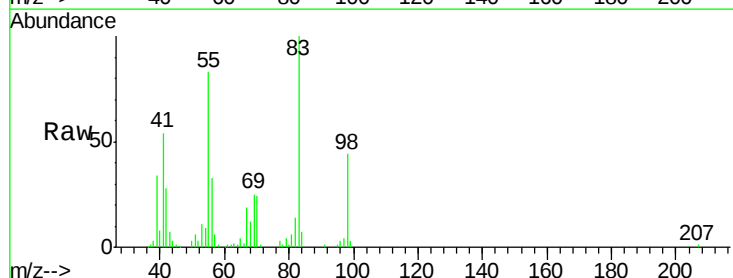
RT: 7.46 min Scan# 1128

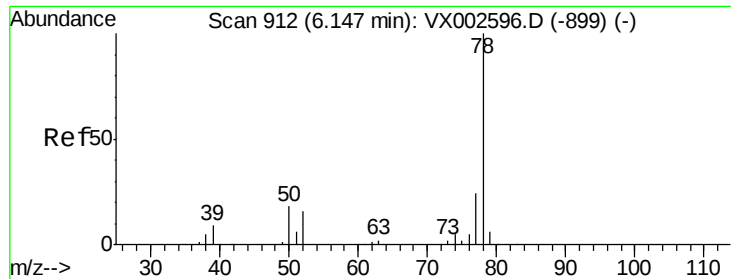
Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Tgt Ion:	83	Resp:	25097
Ion Ratio	Lower	Upper	
83	100		
55	82.2	65.4	98.0
98	43.9	37.4	56.0





#40

Benzene

Concen: 0.52 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-061218

Tot Ion: 78 Resp: 5097

Ion Ratio Lower Upper

78 100

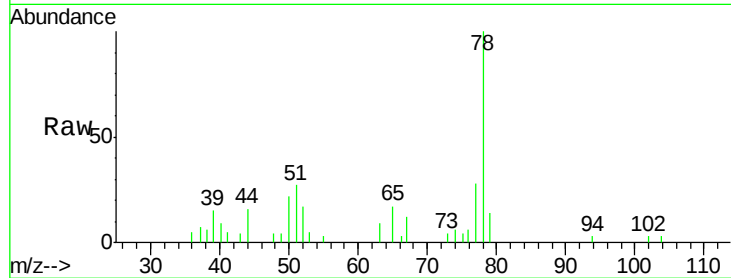
77 27.5 19.1 28.7

Manual Integrations

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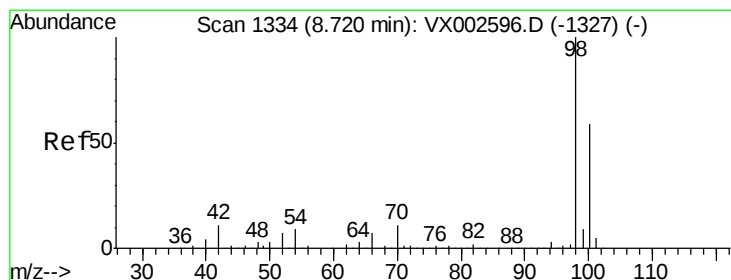
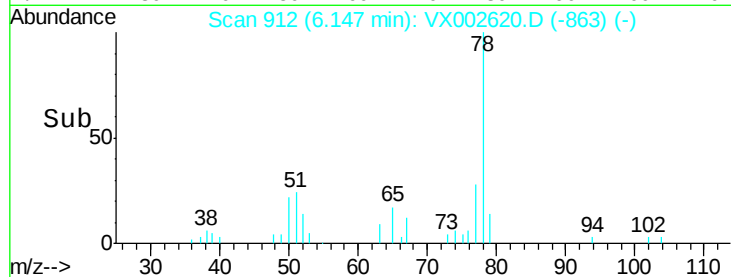
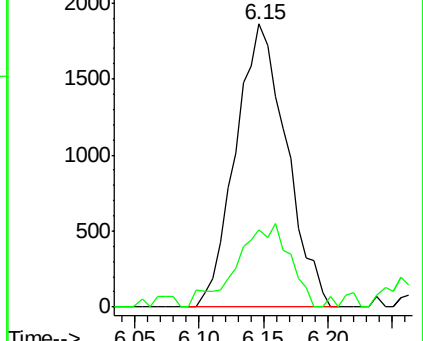
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.94 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002620.D

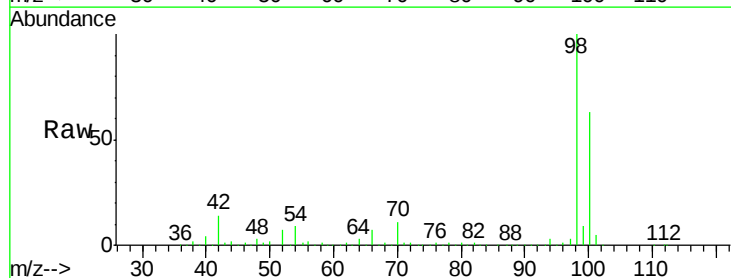
Acq: 16 Jun 2018 01:55

Tgt Ion: 98 Resp: 447573

Ion Ratio Lower Upper

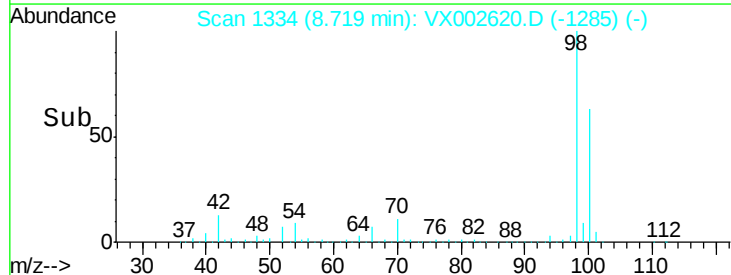
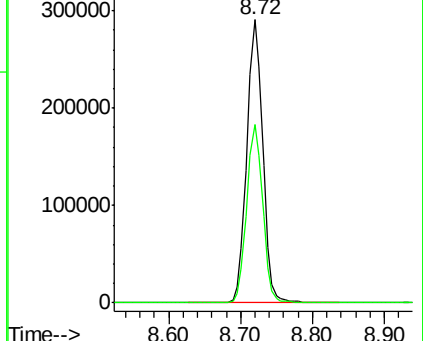
98 100

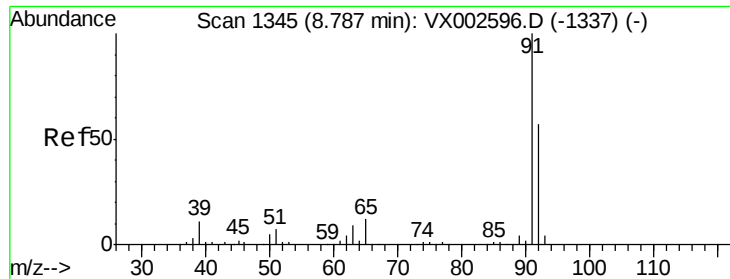
100 62.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 37.19 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-061218

Tot Ion: 92 Resp: 232770

Ion Ratio Lower Upper

92 100

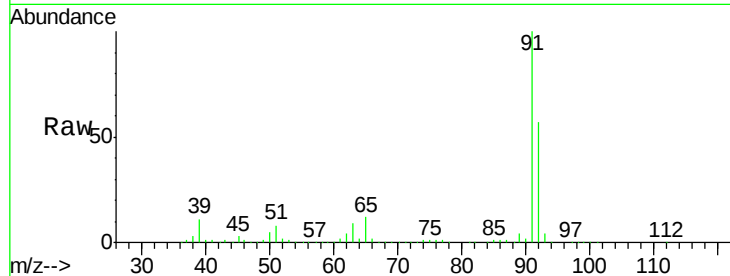
91 175.9 140.4 210.6

Manual Integrations

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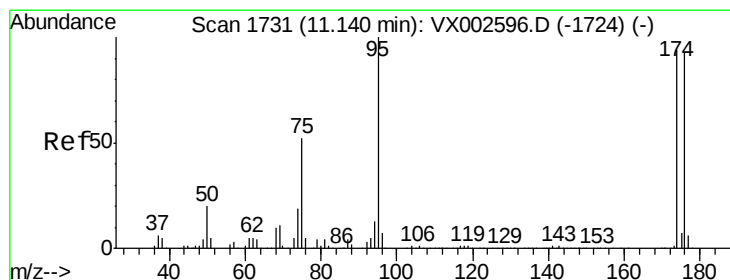
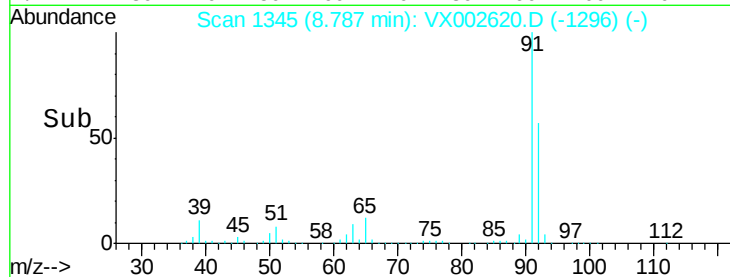
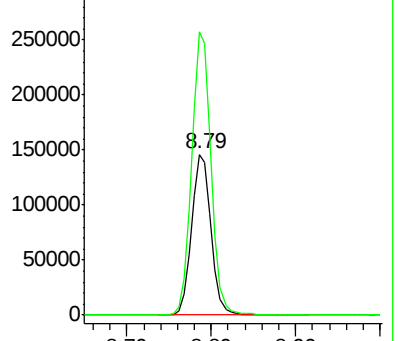
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

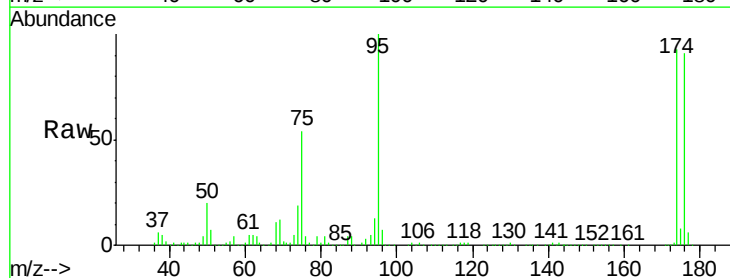
Tgt Ion: 95 Resp: 167411

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

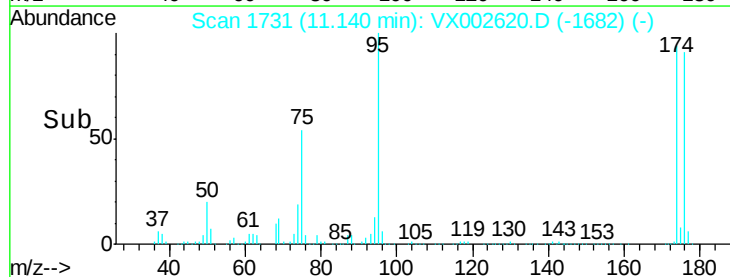
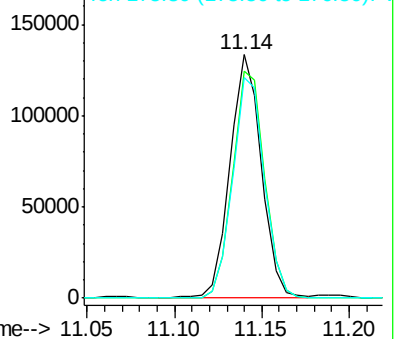
176 92.7 0.0 181.0

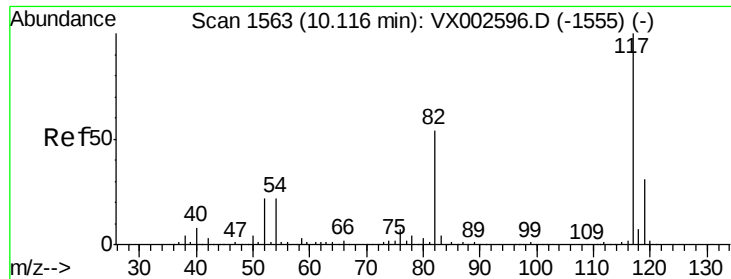


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





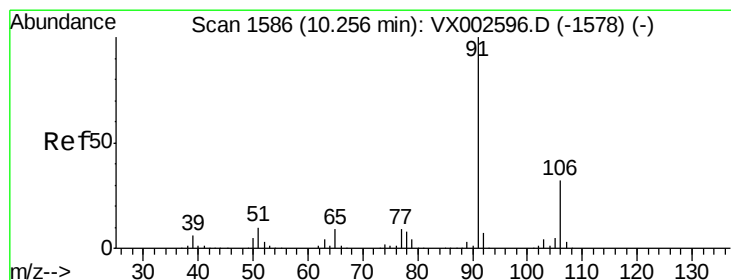
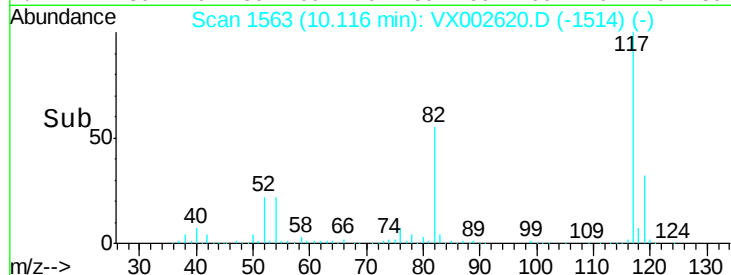
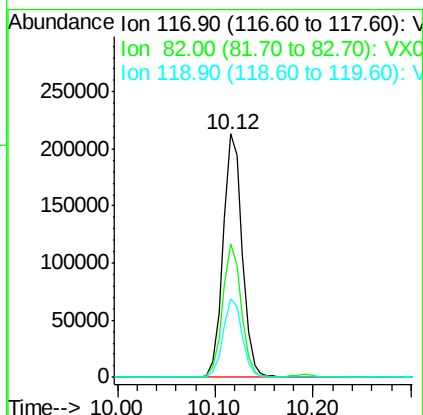
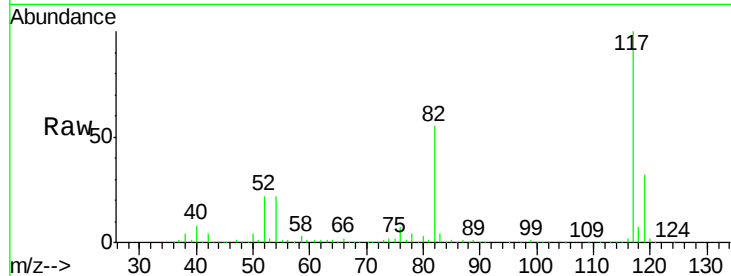
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-061218

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.4
119	32.1	25.8	38.6

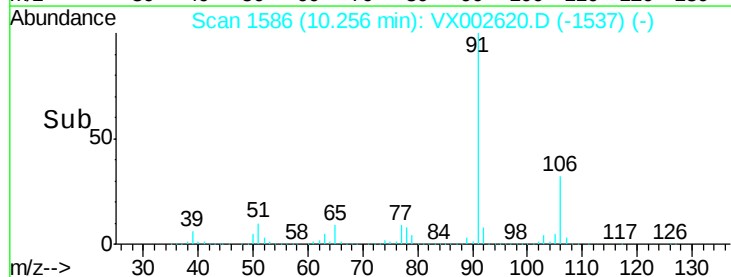
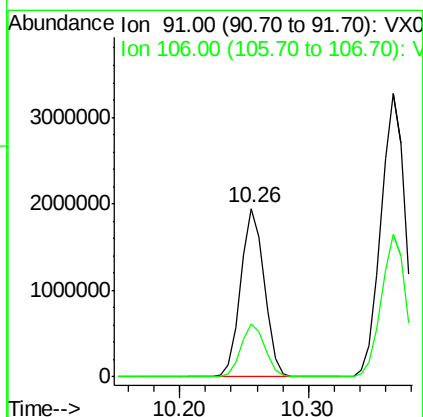
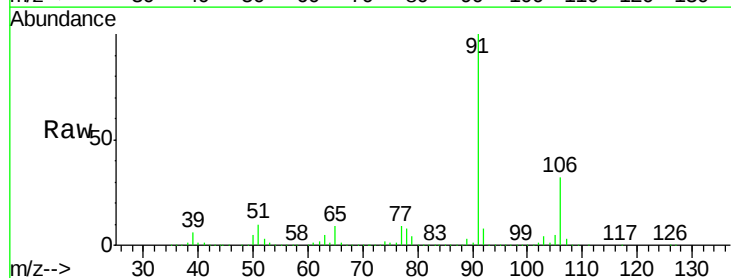
Manual Integrations
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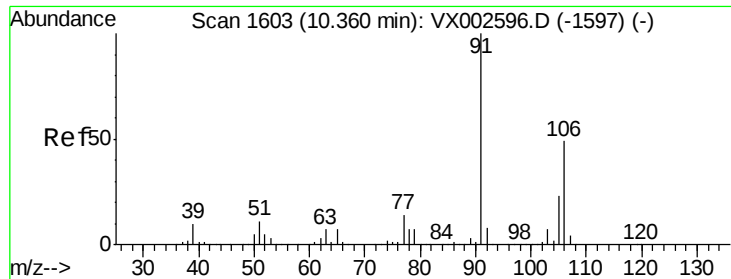
MMDadoda
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#67
Ethyl Benzene
Concen: 207.07 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.5	38.3





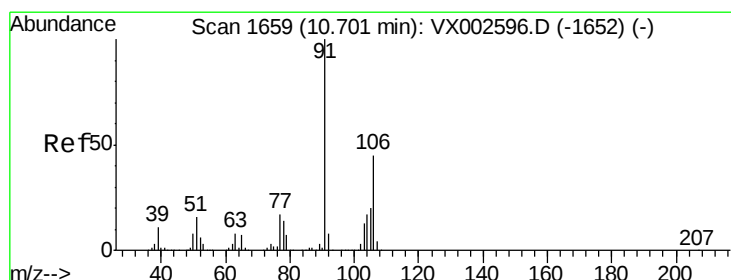
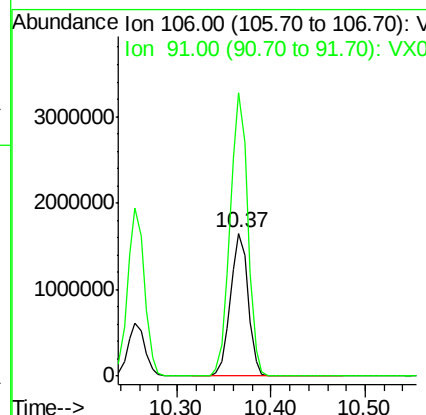
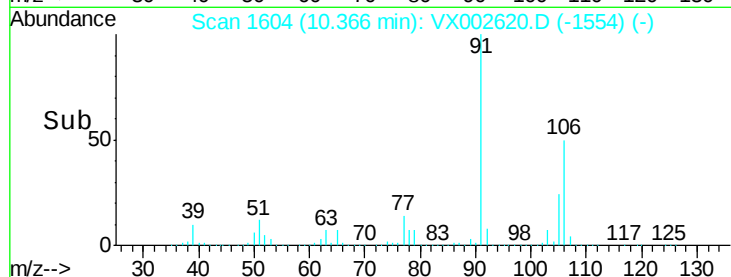
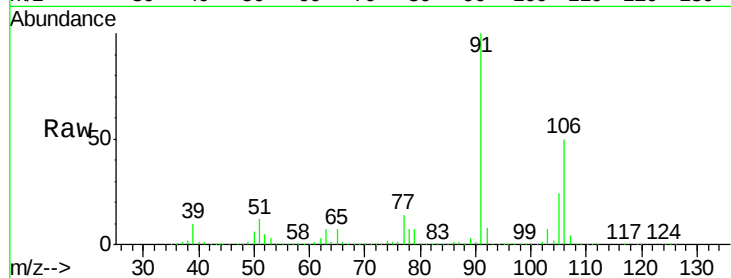
#68
m/p-Xylenes
Concen: 464.56 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Instrument :
MSVOA_X
ClientSampled :
PR-MW-01-061218

Tot Ion:106 Resp: 2137826
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2

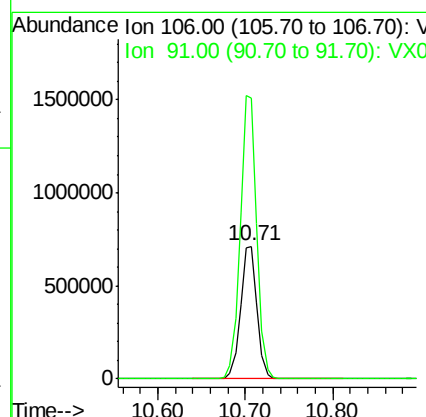
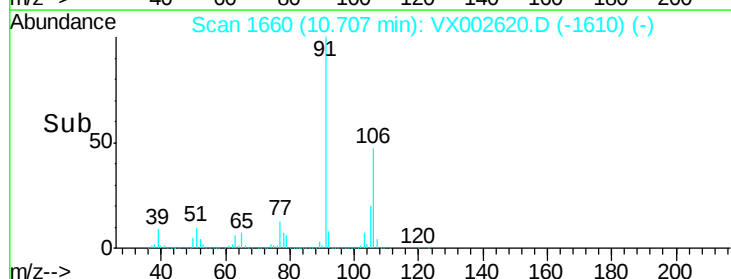
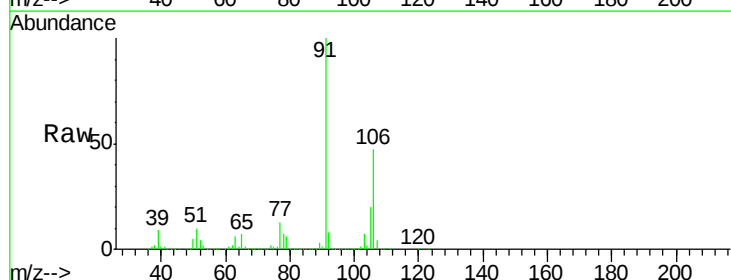
Manual Integrations
APPROVED

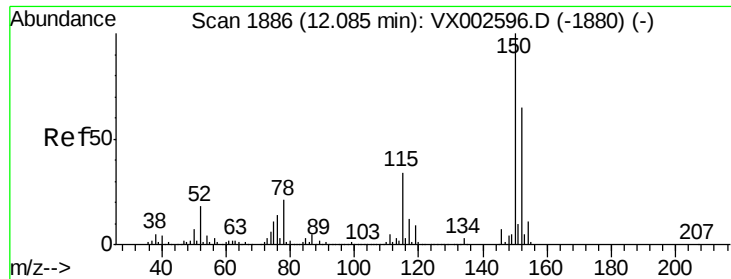
MMDadoda
6/18/2018 5:12:05 PM



#69
o-Xylene
Concen: 207.54 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Tgt Ion:106 Resp: 938366
Ion Ratio Lower Upper
106 100
91 214.0 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-061218

Tot Ion:152 Resp: 186525

Ion Ratio Lower Upper

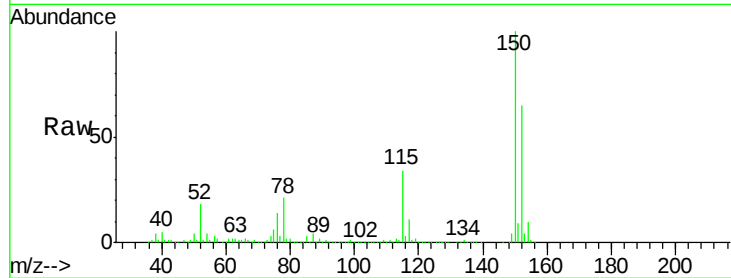
152 100

115 55.9 40.1 120.2

150 155.5 0.0 347.2

Manual Integrations
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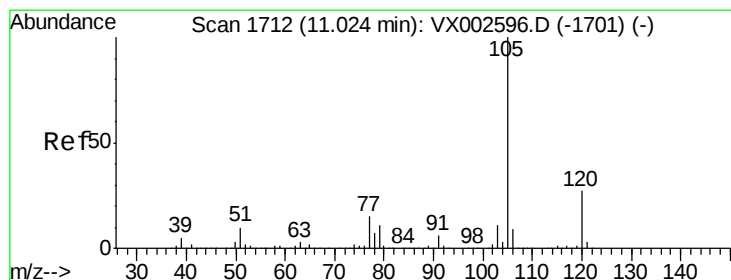
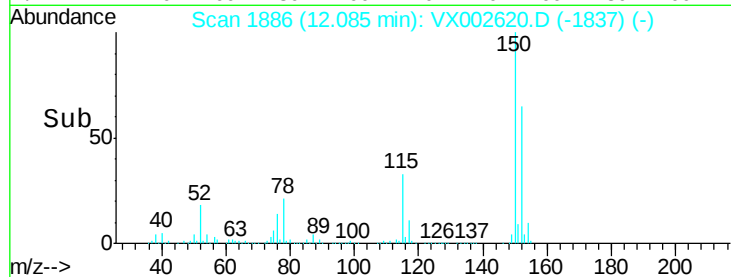
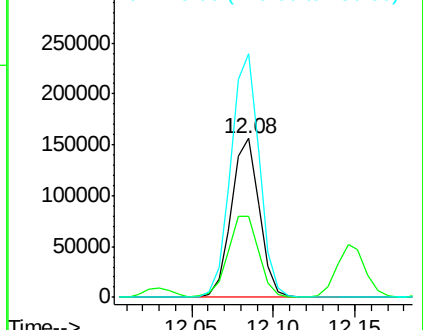
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 24.21 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002620.D

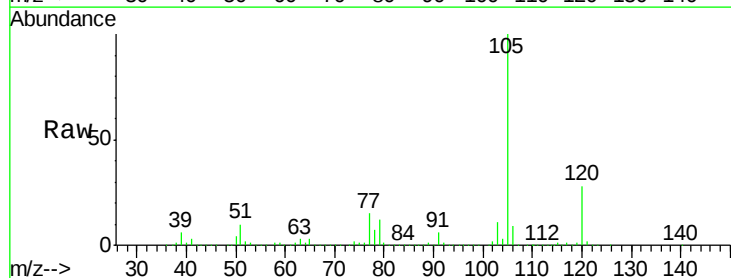
Acq: 16 Jun 2018 01:55

Tgt Ion:105 Resp: 302000

Ion Ratio Lower Upper

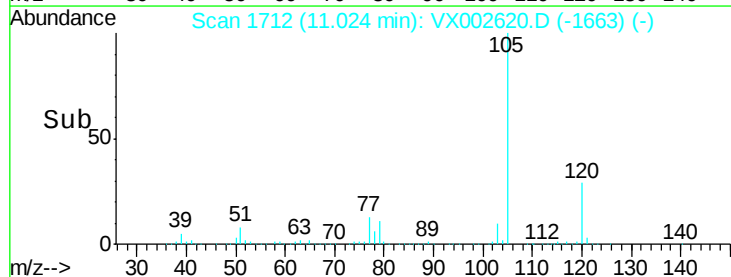
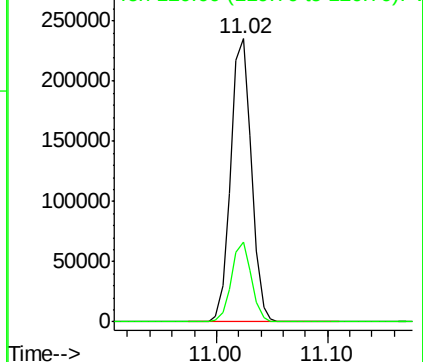
105 100

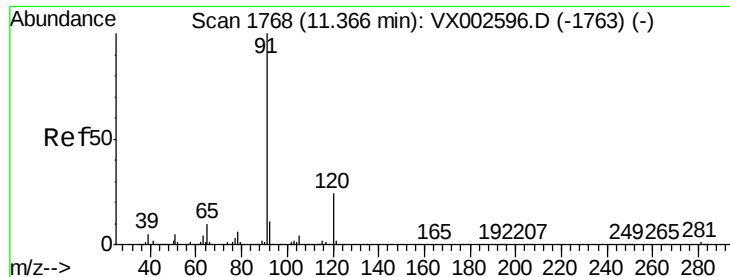
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 28.80 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002620.D

Acq: 16 Jun 2018 01:55

Instrument :

MSVOA_X

ClientSampled :

PR-MW-01-061218

Tot Ion: 91 Resp: 412078

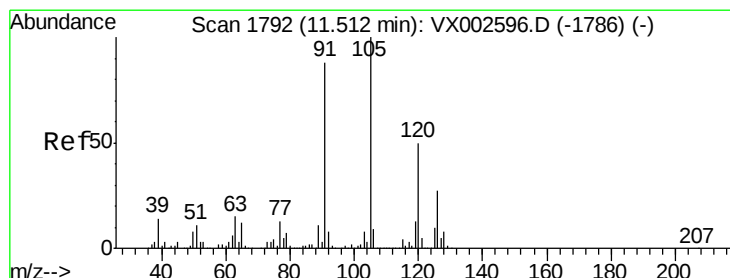
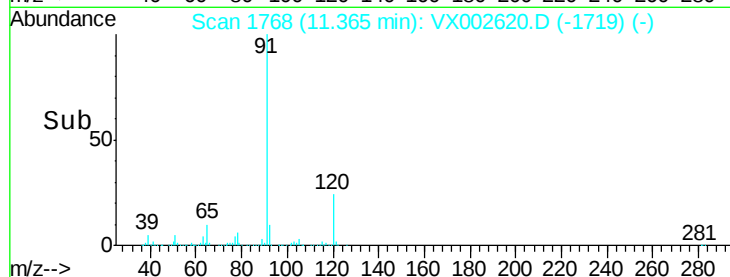
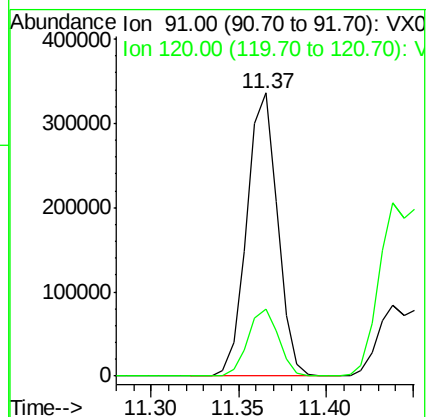
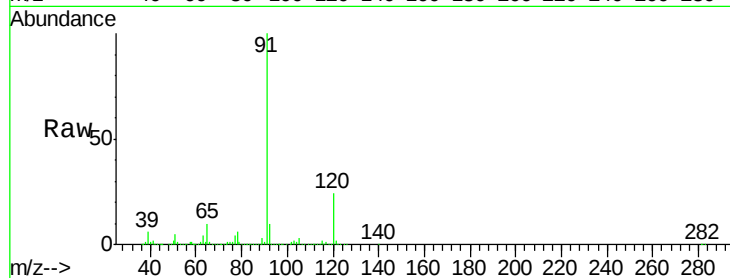
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 164.28 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002620.D

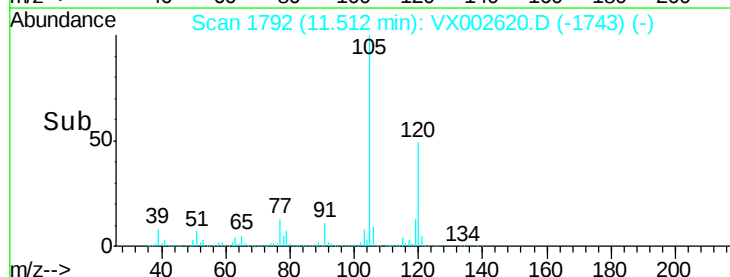
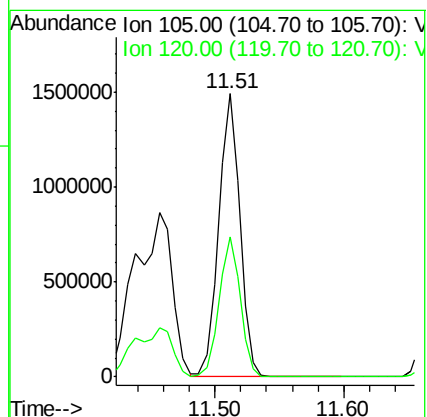
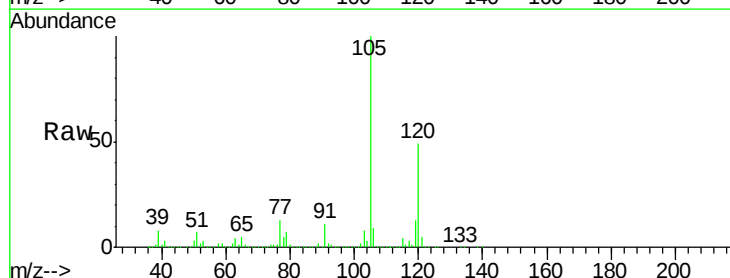
Acq: 16 Jun 2018 01:55

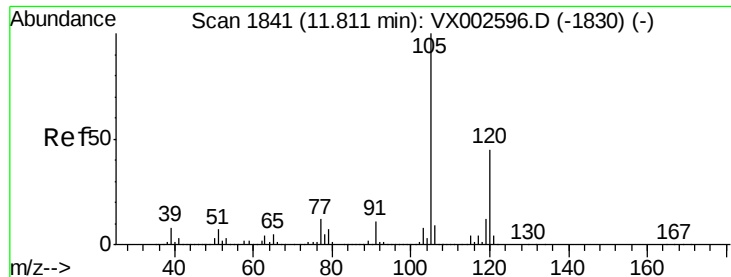
Tgt Ion: 105 Resp: 1731933

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.4





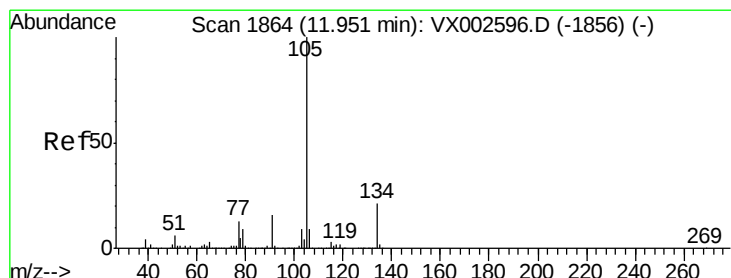
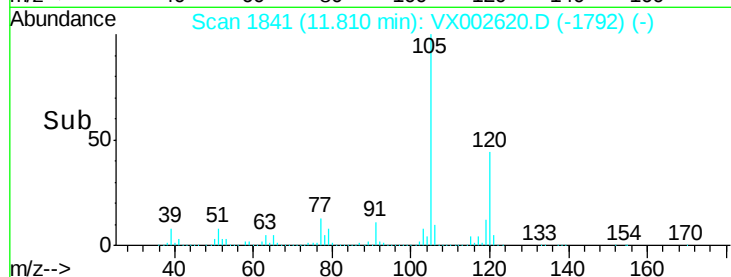
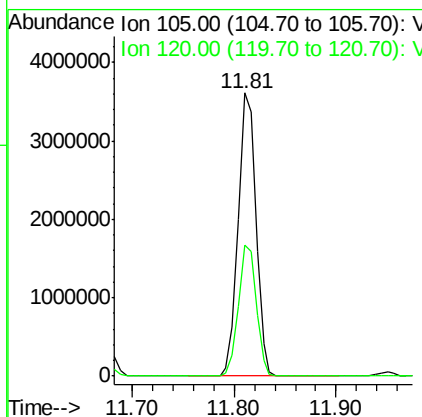
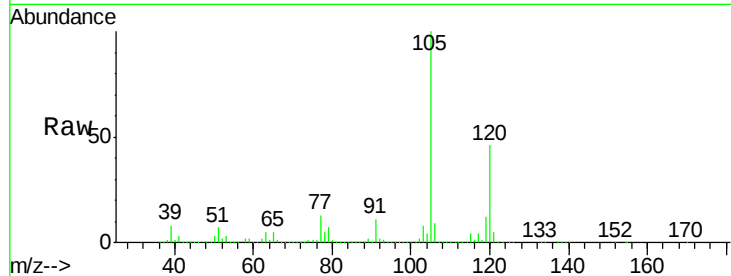
#84
 1,2,4-Trimethylbenzene
 Concen: 401.52 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002620.D
 Acq: 16 Jun 2018 01:55

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-061218

Tot Ion:105 Resp: 4319485
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.3 66.8

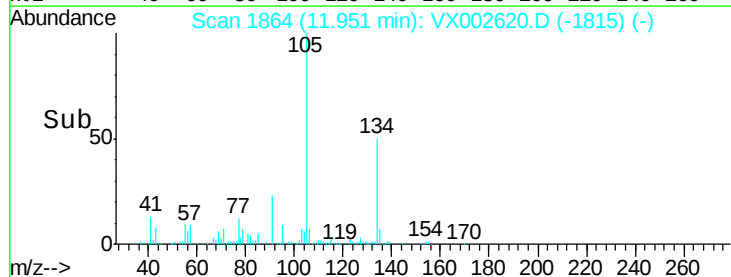
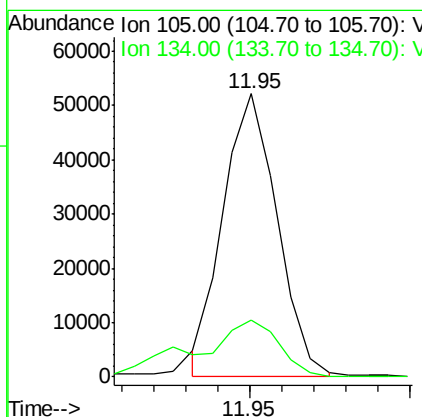
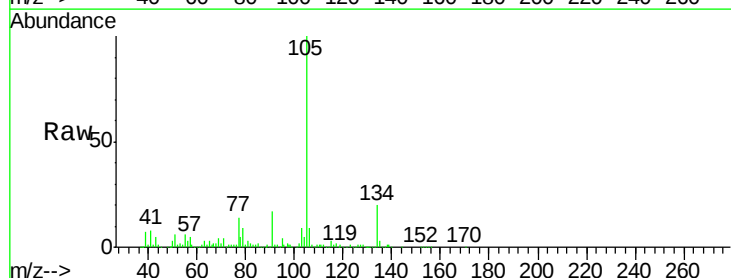
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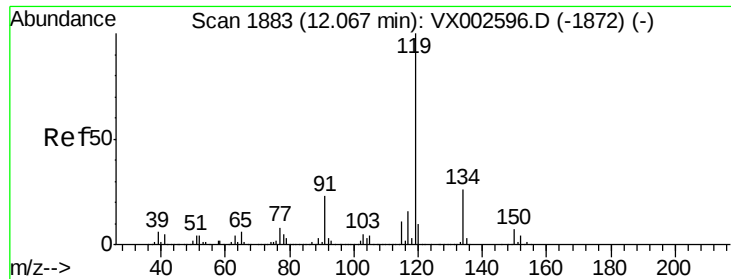
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#85
 sec-Butylbenzene
 Concen: 4.87 ug/l m
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002620.D
 Acq: 16 Jun 2018 01:55

Tgt Ion:105 Resp: 61462
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





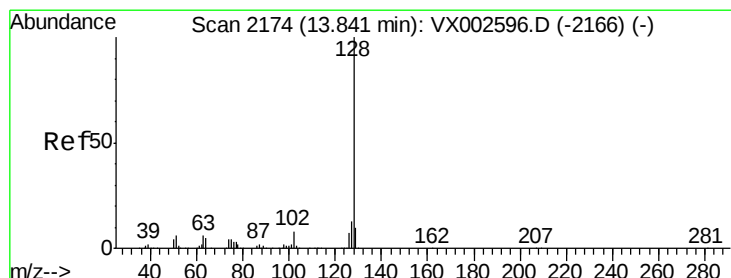
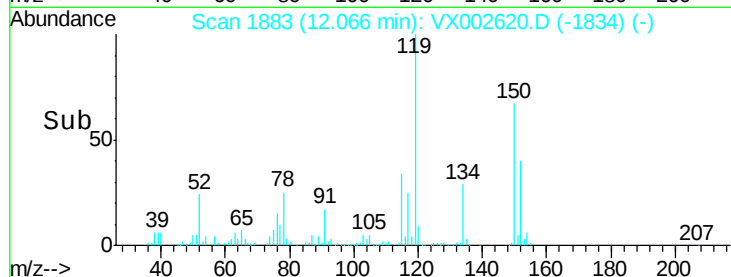
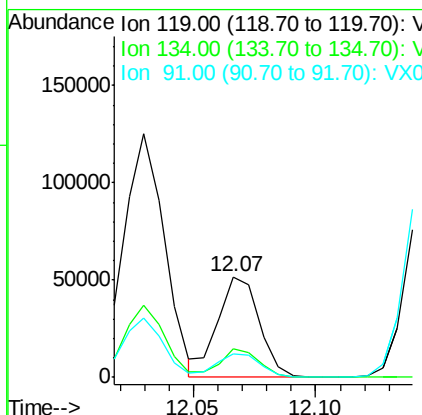
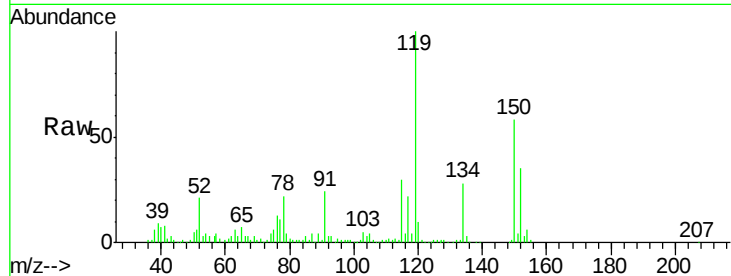
#86
p-Isopropyltoluene
Concen: 5.33 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-061218

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.4	40.1
91	24.5	11.9	35.7

Manual Integrations
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#95
Naphthalene
Concen: 139.10 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002620.D
Acq: 16 Jun 2018 01:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.7	8.6	13.0

