

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002818.D
 Acq On : 22 Jun 2018 05:19
 Operator : JC/MD
 Sample : J3596-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Manual Integrations
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Quant Time: Jun 22 06:45:13 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	249300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164565	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	5.51	113	133198	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.72	98	507629	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.14	95	190561	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
16) Acetone	2.45	43	395961	236.90	ug/l	99
18) Methyl Acetate	2.78	43	2037583	457.59	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	40373	3.86	ug/l	99
20) Methylene Chloride	2.86	84	1041	0.30	ug/l #	80
25) 2-Butanone	4.71	43	614084	279.76	ug/l	99
31) Cyclohexane	5.58	56	18410	4.12	ug/l	95
39) Methylcyclohexane	7.46	83	52701	12.22	ug/l	97
40) Benzene	6.15	78	22168	2.00	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	136884	30.81	ug/l	99
52) Toluene	8.79	92	6575	0.93	ug/l	94
59) 2-Hexanone	9.50	43	3101	0.93	ug/l	84
65) Chlorobenzene	10.14	112	5427	0.67	ug/l	97
67) Ethyl Benzene	10.26	91	9860	0.72	ug/l	99
68) m/p-Xylenes	10.36	106	12601	2.38	ug/l	98
69) o-Xylene	10.70	106	14600	2.80	ug/l	99
73) Isopropylbenzene	11.02	105	304630	21.40	ug/l	100
78) n-propylbenzene	11.37	91	487786	29.88	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	88940	7.39	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	245171	19.97	ug/l	97
85) sec-Butylbenzene	11.95	105	182550	12.67	ug/l #	78
86) p-Isopropyltoluene	12.07	119	1379943	105.83	ug/l	100
89) n-Butylbenzene	12.39	91	124894m	10.86	ug/l	
95) Naphthalene	13.84	128	381271	26.67	ug/l #	91

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

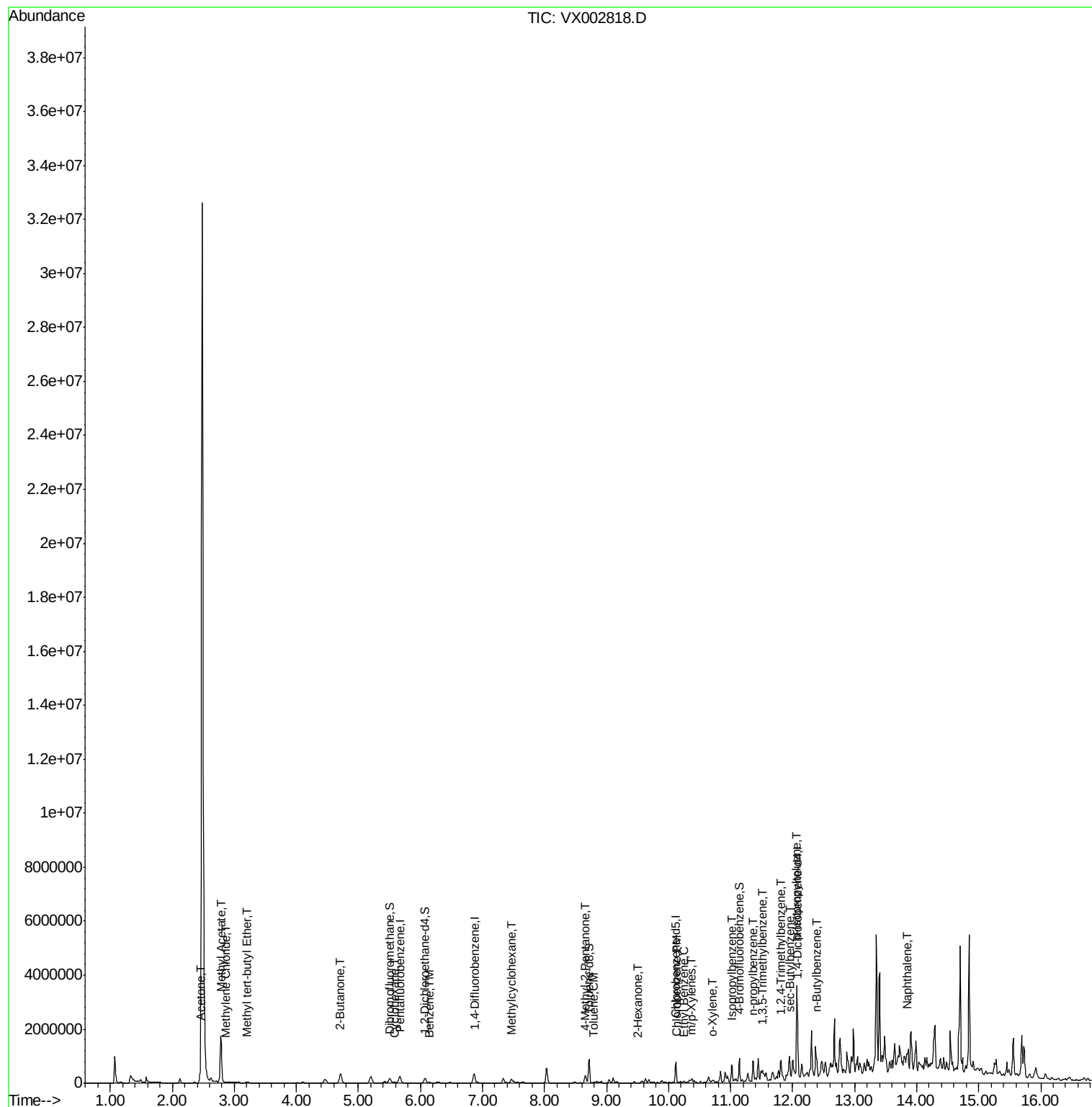
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062118\
Data File : VX002818.D
Acq On : 22 Jun 2018 05:19
Operator : JC/MD
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ALS Vial : 40 Sample Multiplier: 1

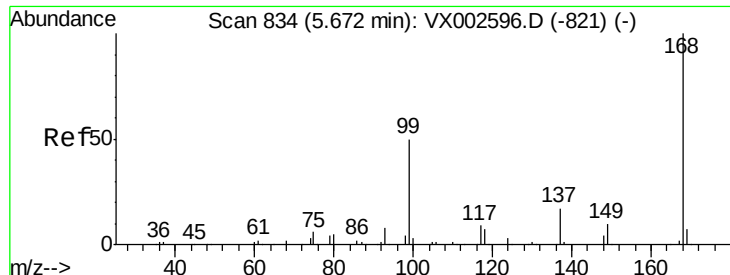
Instrument :
MSVOA_X
ClientSampleId :
MW-11

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Quant Time: Jun 22 06:45:13 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# 833

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:168 Resp: 249300

Ion Ratio Lower Upper

168 100

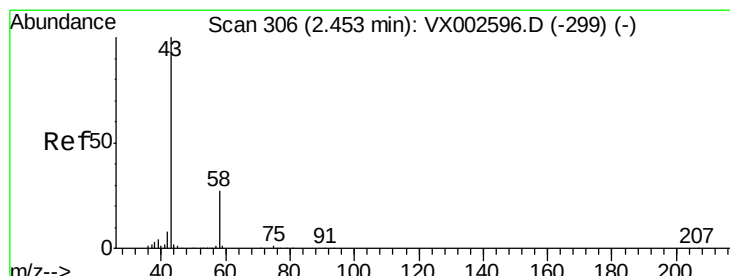
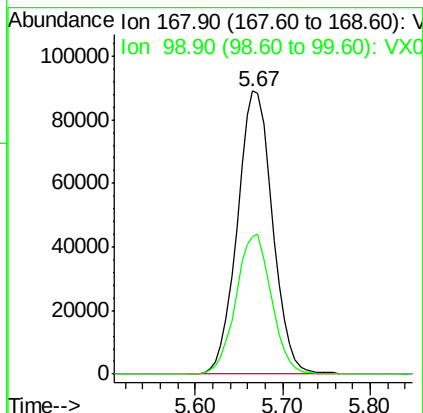
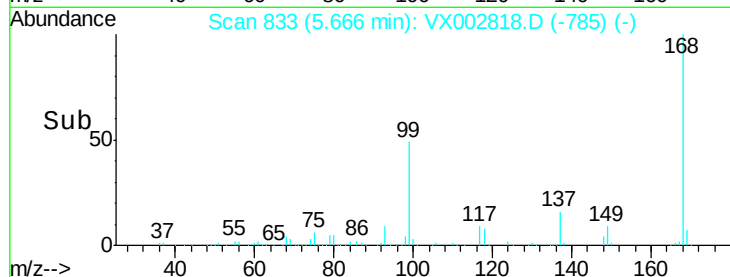
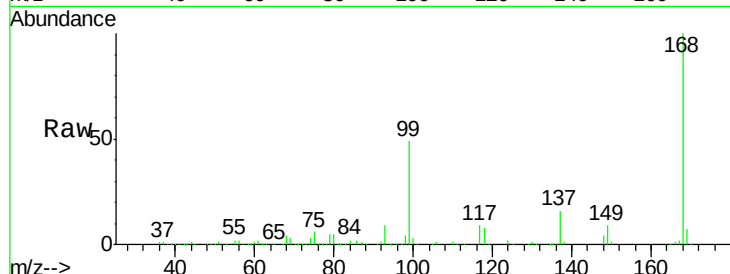
99 48.6 39.3 58.9

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#16

Acetone

Concen: 236.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002818.D

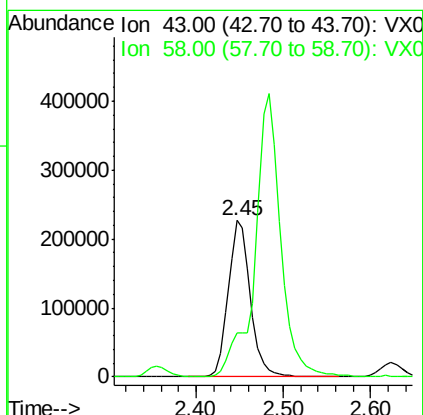
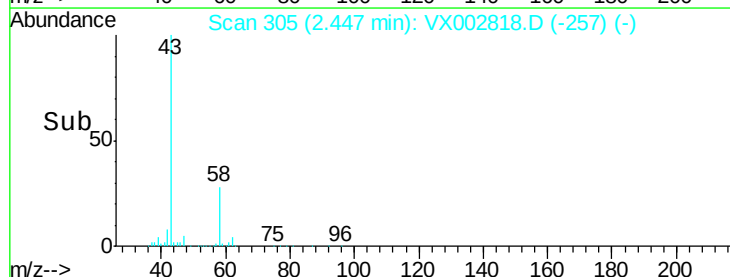
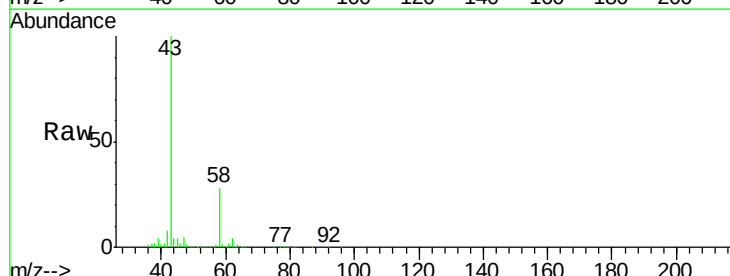
Acq: 22 Jun 2018 05:19

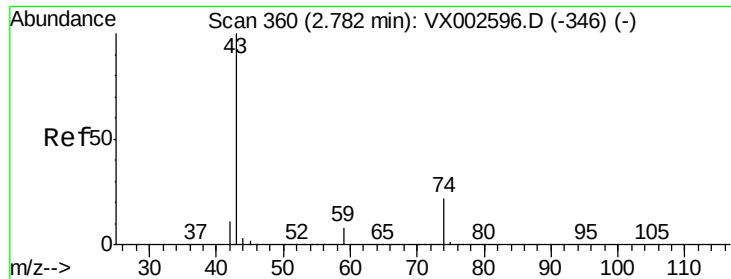
Tgt Ion: 43 Resp: 395961

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1





#18

Methyl Acetate

Concen: 457.59 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 43 Resp: 2037583

Ion Ratio Lower Upper

43 100

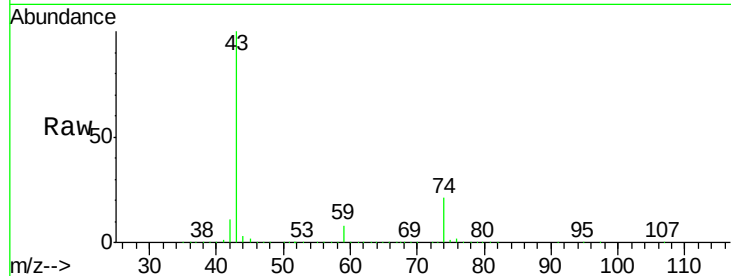
74 21.3 16.7 25.1

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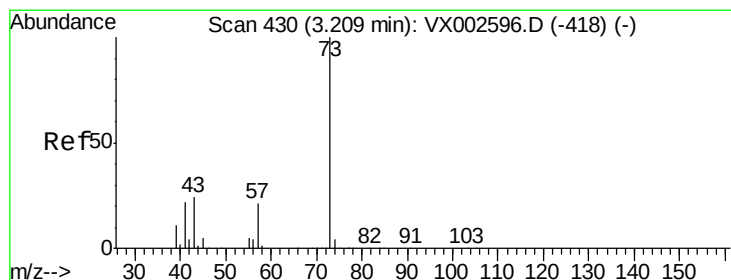
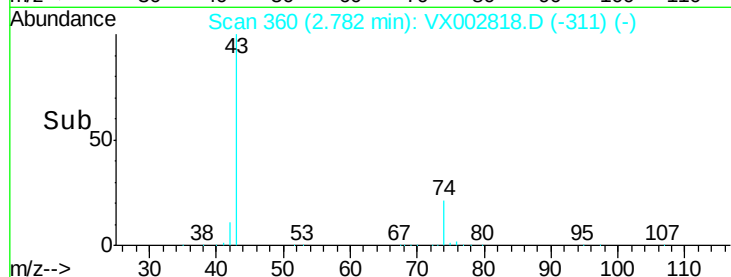
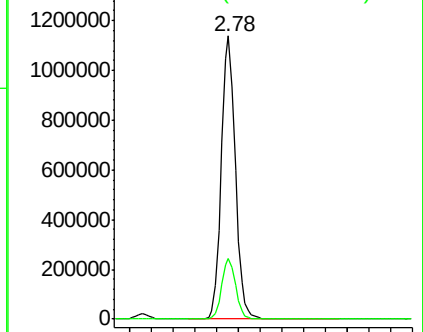
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#19

Methyl tert-butyl Ether

Concen: 3.86 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002818.D

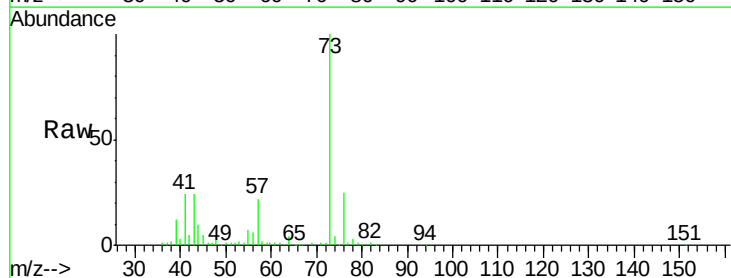
Acq: 22 Jun 2018 05:19

Tgt Ion: 73 Resp: 40373

Ion Ratio Lower Upper

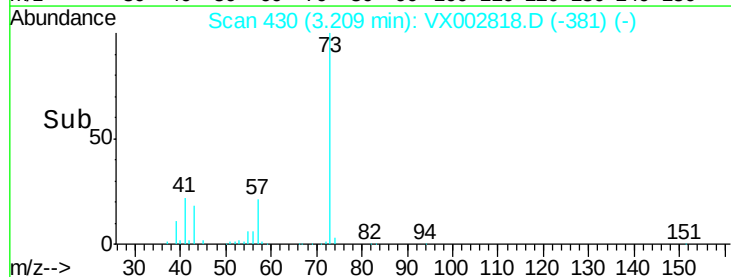
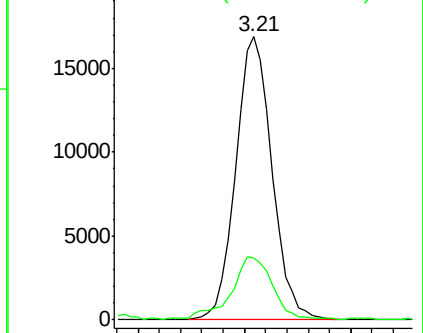
73 100

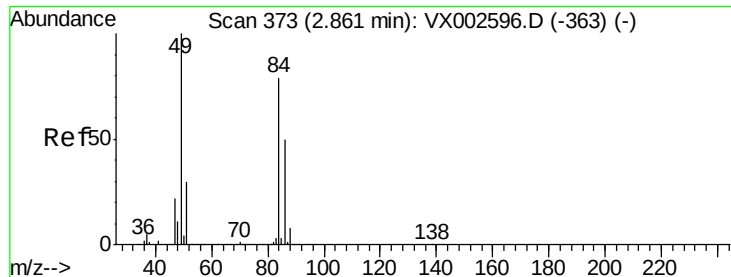
57 21.8 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

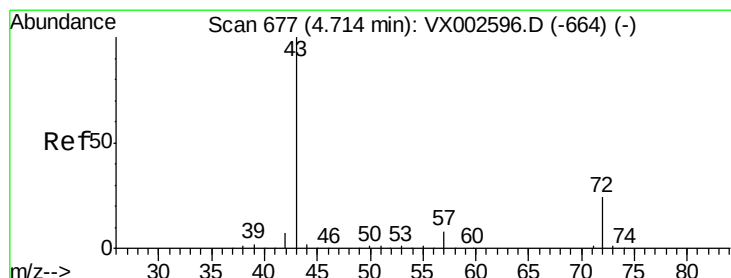
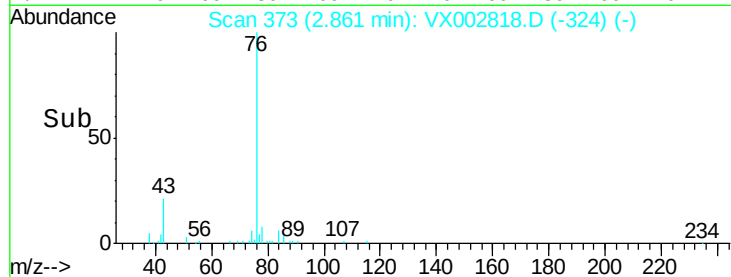
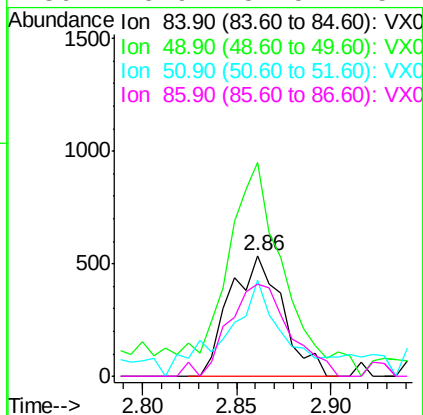
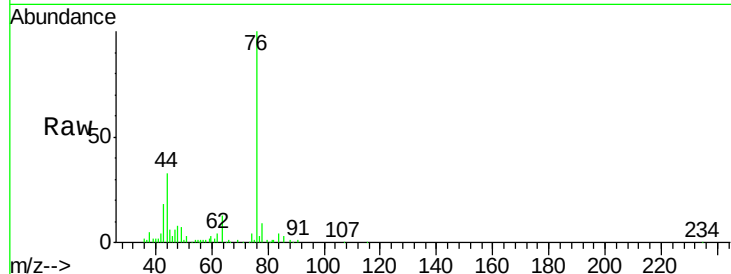
ClientSampled :

MW-11

Tot Ion:	84	Resp:	1041
Ion	Ratio	Lower	Upper
84	100		
49	156.5	107.8	161.6
51	64.6	32.8	49.2#
86	75.9	52.5	78.7

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#25

2-Butanone

Concen: 279.76 ug/l

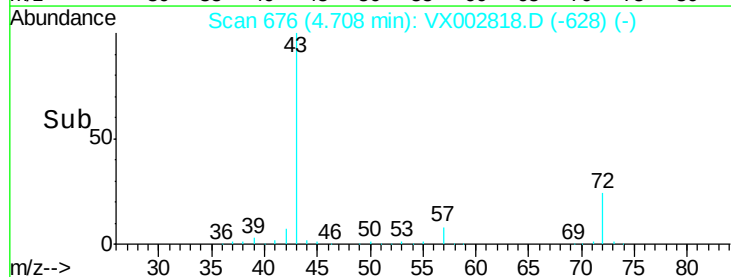
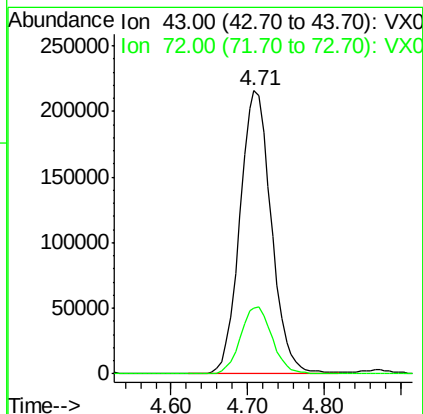
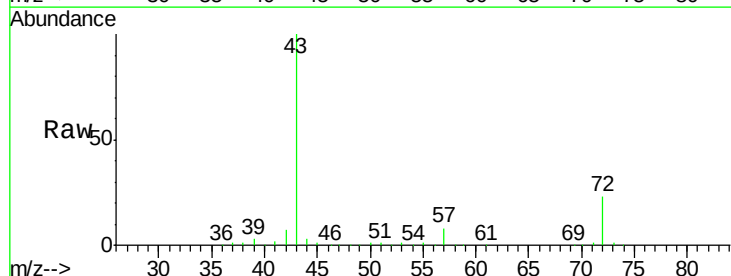
RT: 4.71 min Scan# 676

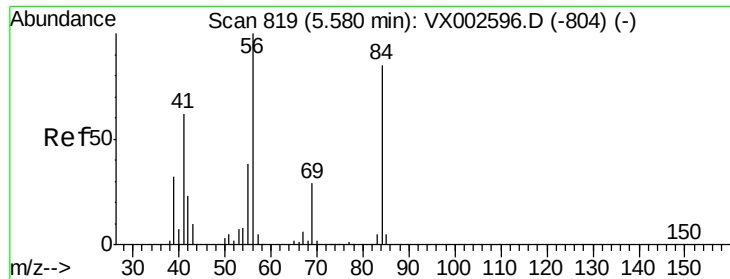
Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion:	43	Resp:	614084
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.5	27.7





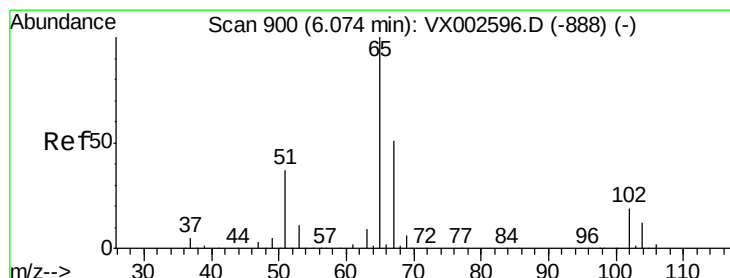
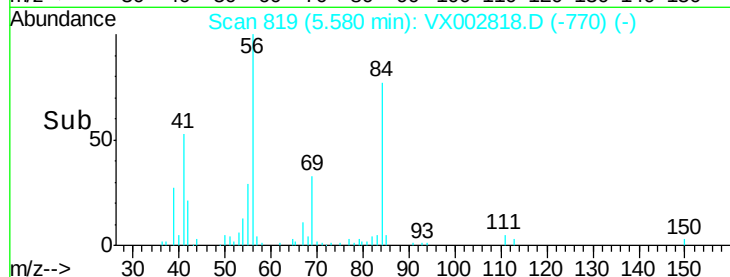
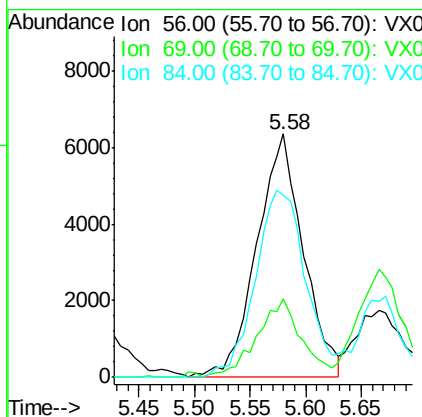
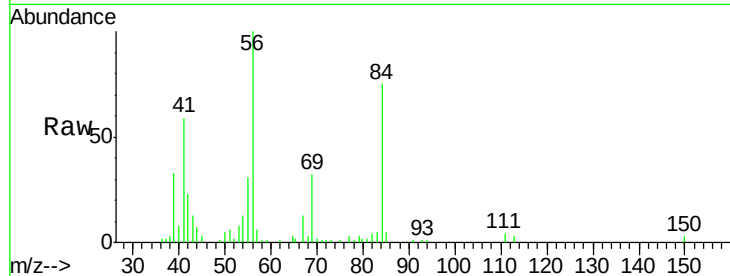
#31
Cyclohexane
Concen: 4.12 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	74.6	64.1	96.1

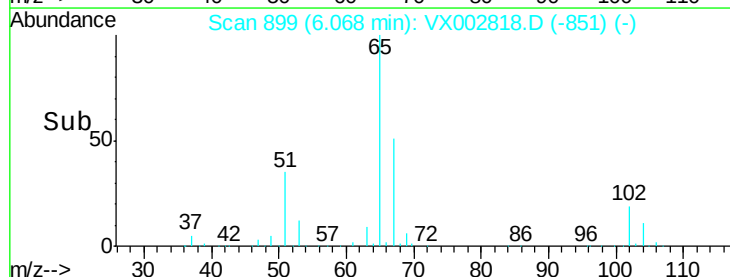
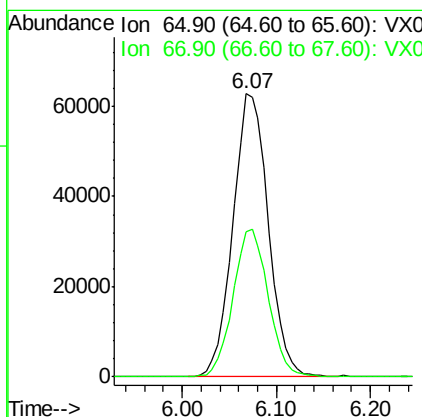
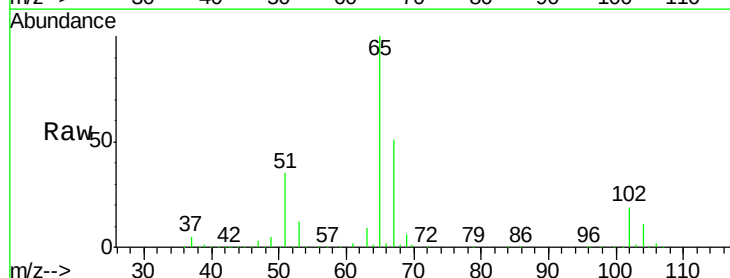
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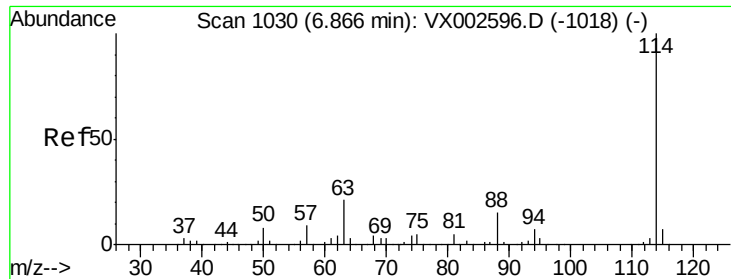
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#33
1,2-Dichloroethane-d4
Concen: 43.44 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.8	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: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

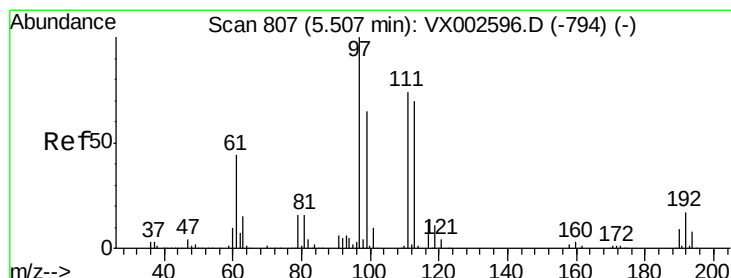
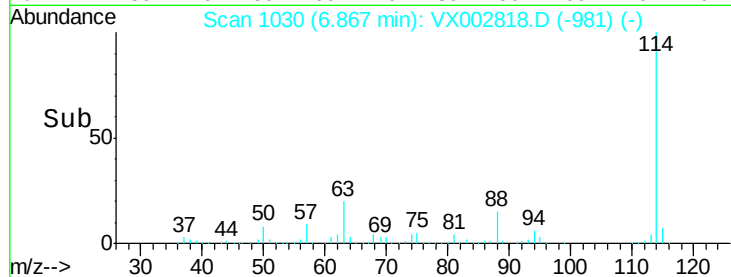
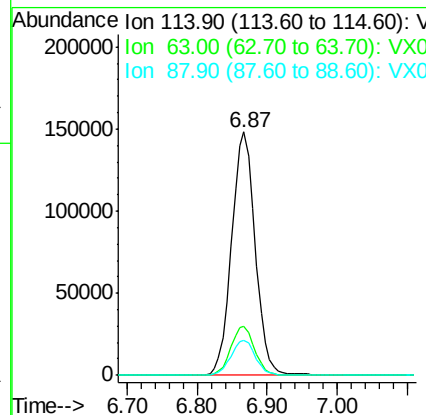
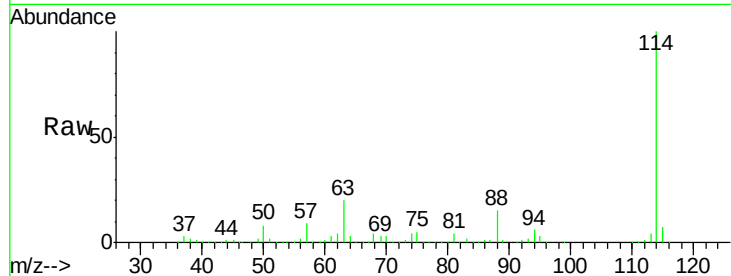
ClientSampled :

MW-11

Tot Ion:	114	Resp:	347380
Ion Ratio		Lower	Upper
114	100		
63	19.9	0.0	41.4
88	14.5	0.0	30.0

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#35

Dibromofluoromethane

Concen: 48.04 ug/l

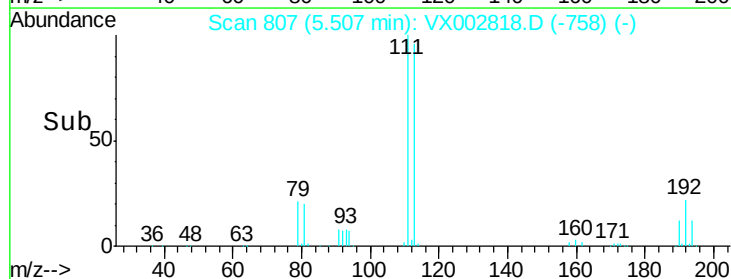
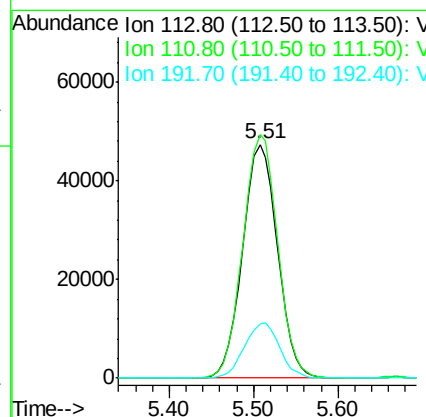
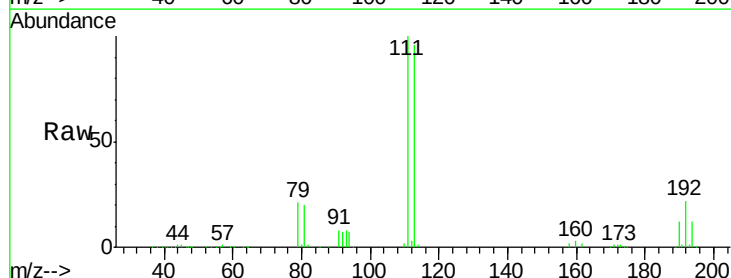
RT: 5.51 min Scan# 807

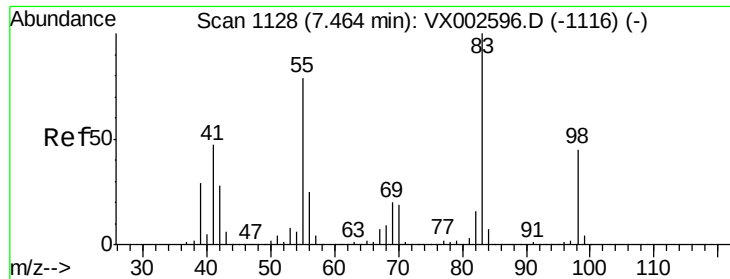
Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion:	113	Resp:	133198
Ion Ratio		Lower	Upper
113	100		
111	103.8	81.4	122.0
192	23.8	19.1	28.7





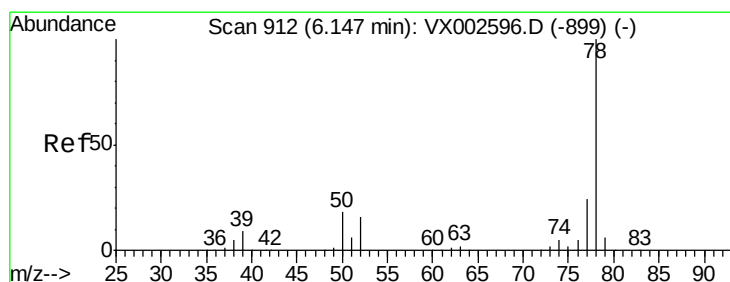
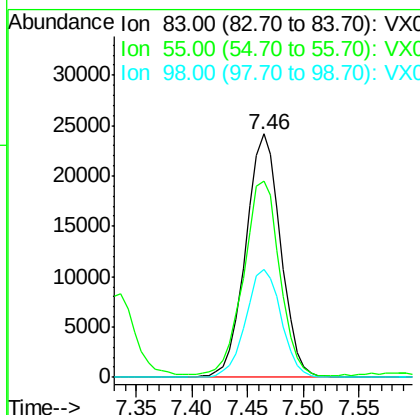
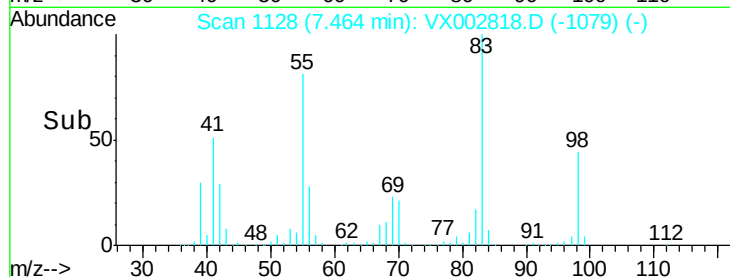
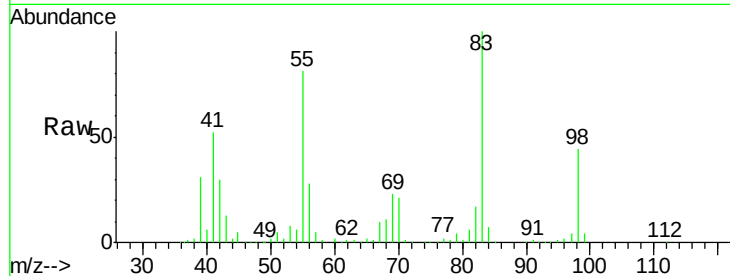
#39
Methylvlcyclohexane
Concen: 12.22 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	83	Resp	52701
Ion Ratio	100	Lower	Upper
83	100		
55	79.8	65.4	98.0
98	44.4	37.4	56.0

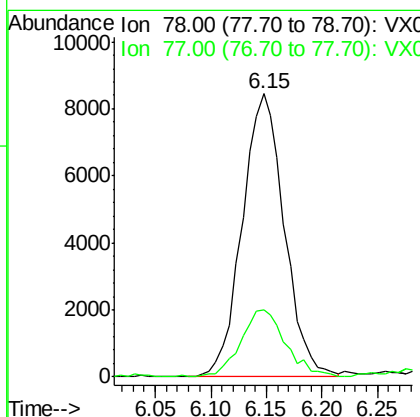
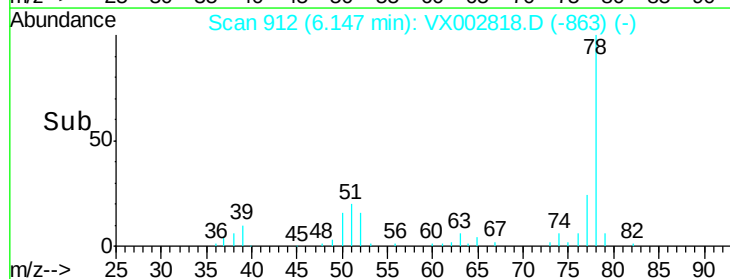
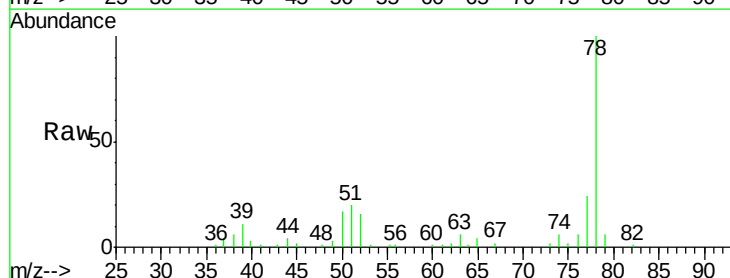
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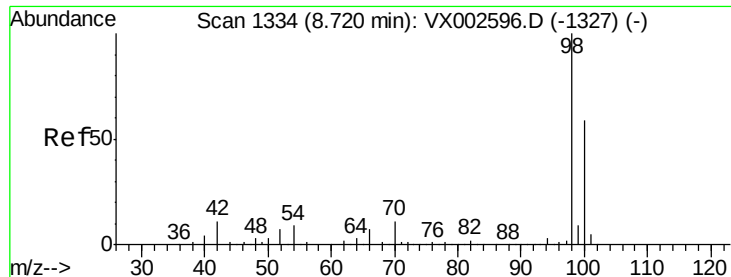
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#40
Benzene
Concen: 2.00 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion	78	Resp	22168
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





#50

Toluene-d8

Concen: 48.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion: 98 Resp: 507629

Ion Ratio Lower Upper

98 100

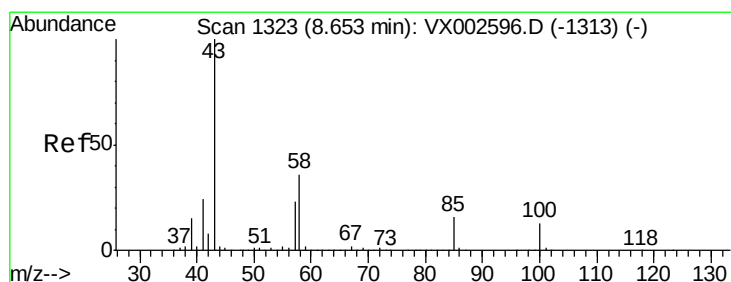
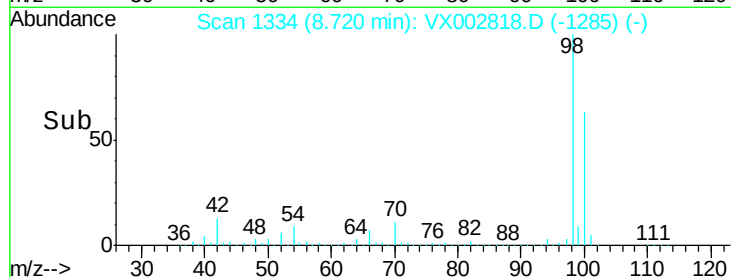
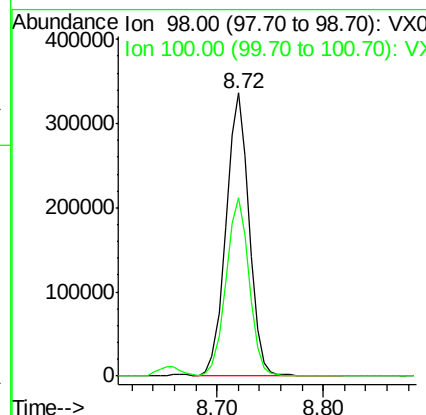
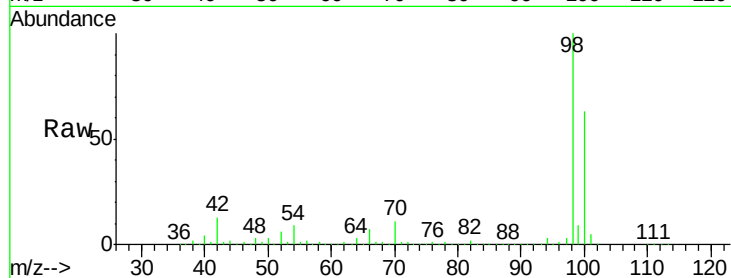
100 62.6 50.9 76.3

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#51

4-Methyl-2-Pentanone

Concen: 30.81 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002818.D

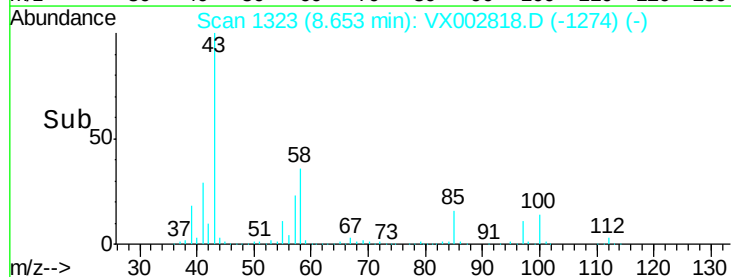
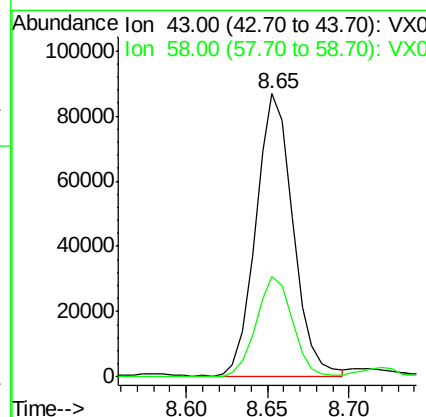
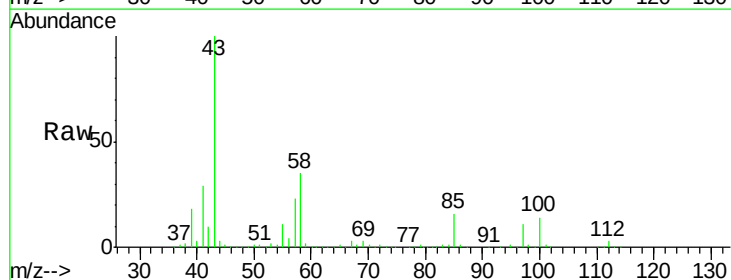
Acq: 22 Jun 2018 05:19

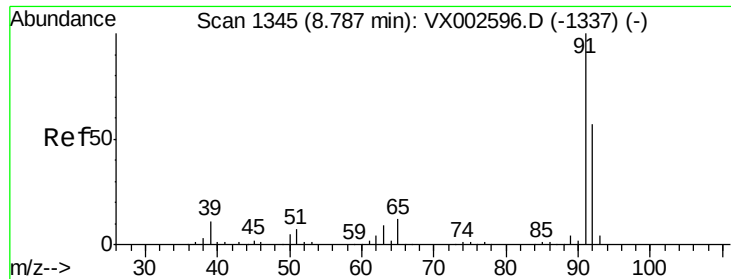
Tgt Ion: 43 Resp: 136884

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8





#52

Toluene

Concen: 0.93 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 92 Resp: 6575

Ion Ratio Lower Upper

92 100

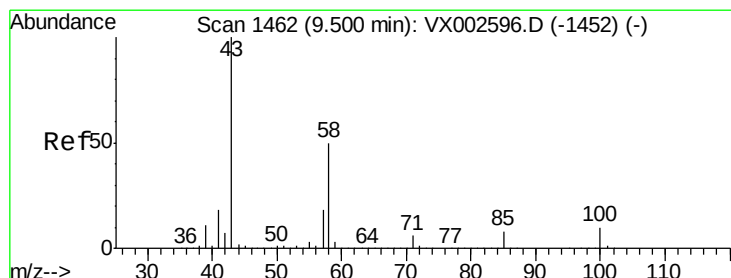
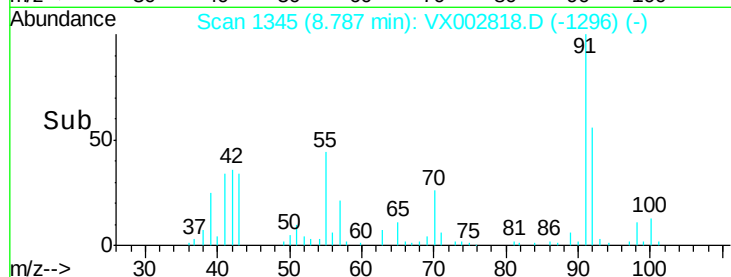
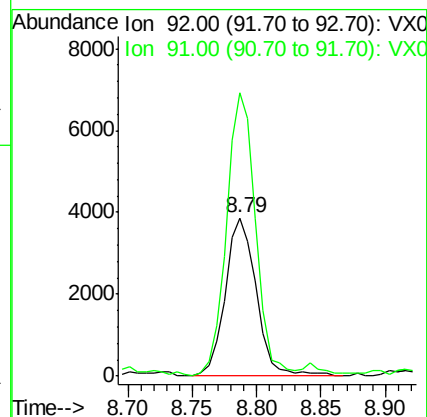
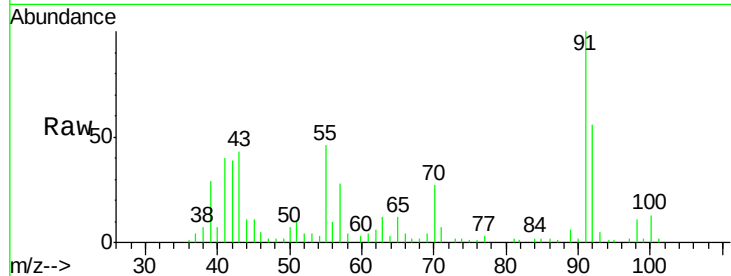
91 167.4 140.4 210.6

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#59

2-Hexanone

Concen: 0.93 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002818.D

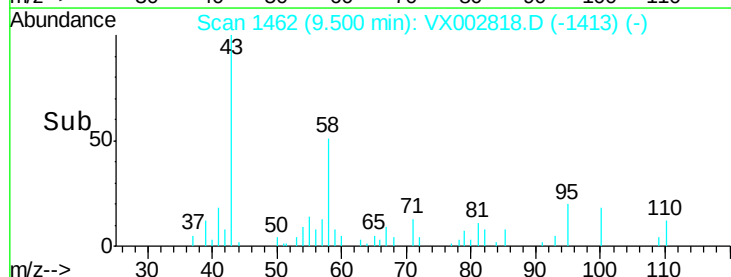
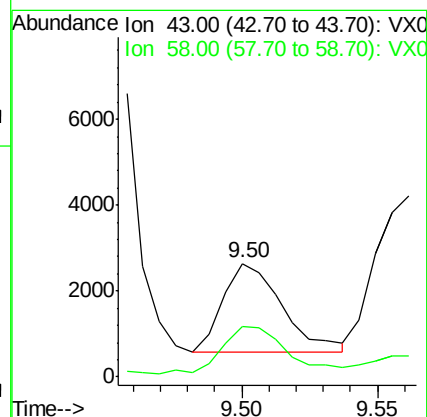
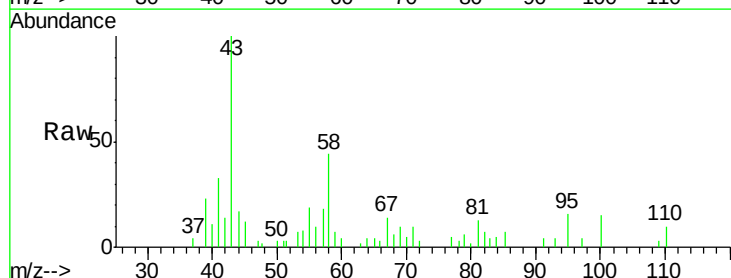
Acq: 22 Jun 2018 05:19

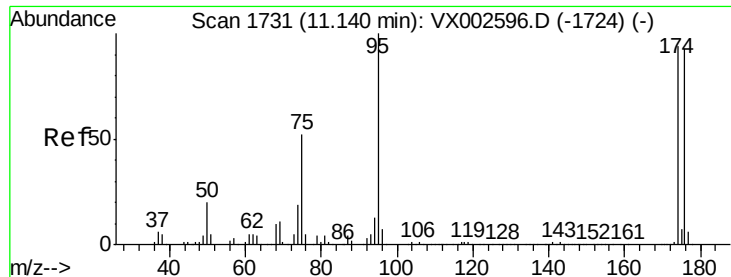
Tgt Ion: 43 Resp: 3101

Ion Ratio Lower Upper

43 100

58 60.3 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 47.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

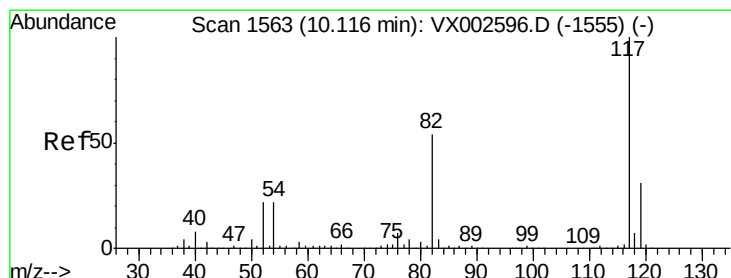
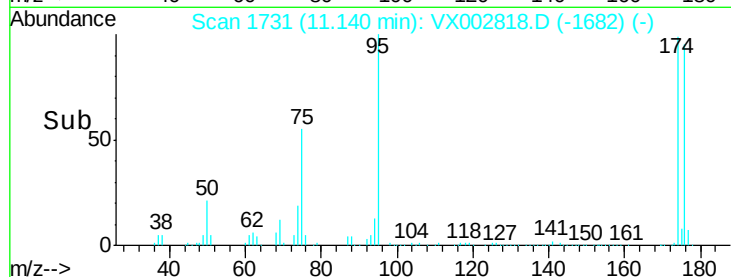
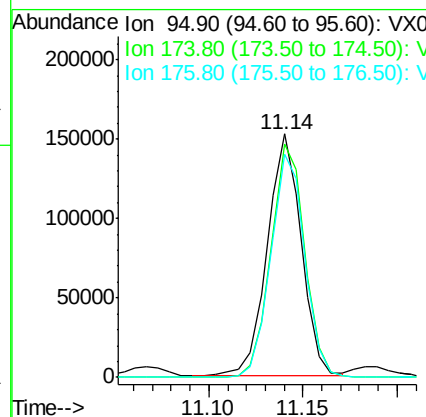
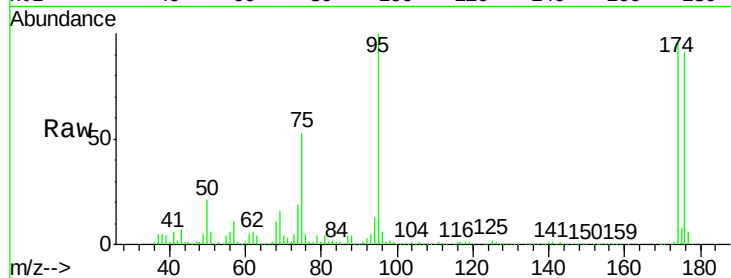
ClientSampled :

MW-11

Tot Ion:	95	Resp:	190561
Ion Ratio	Lower	Upper	
95	100		
174	96.0	0.0	187.4
176	92.1	0.0	181.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

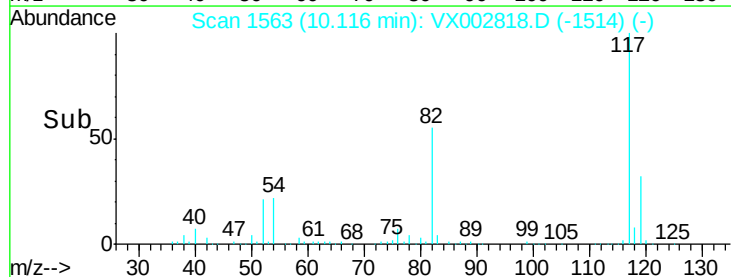
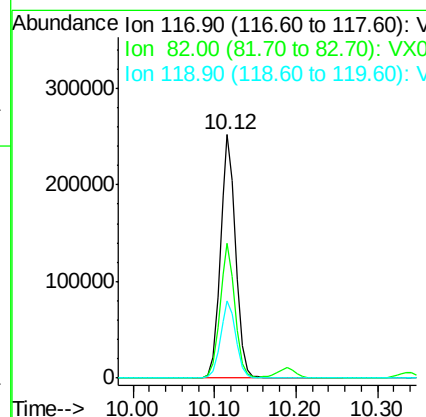
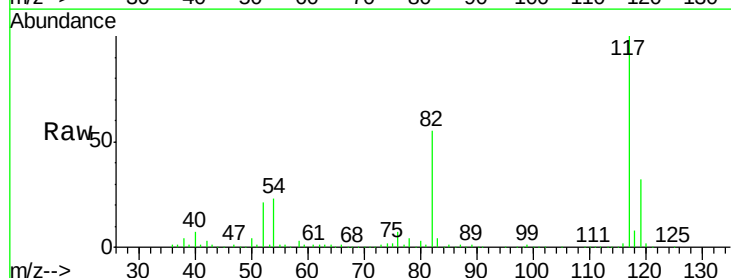
RT: 10.12 min Scan# 1563

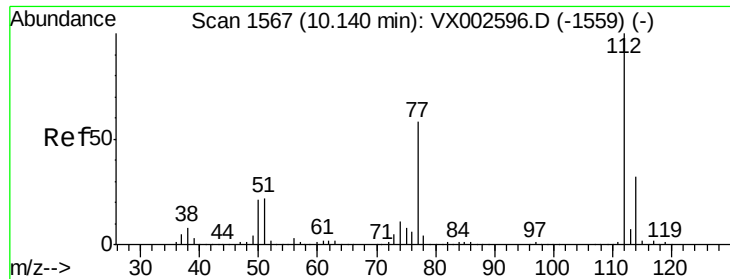
Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion:	117	Resp:	331843
Ion Ratio	Lower	Upper	
117	100		
82	55.1	45.0	67.4
119	31.7	25.8	38.6





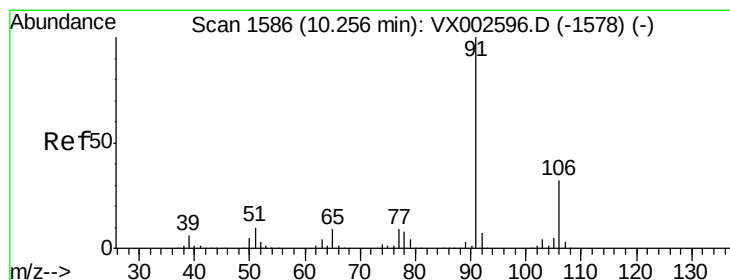
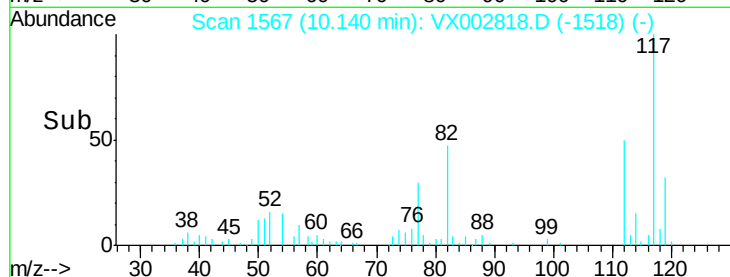
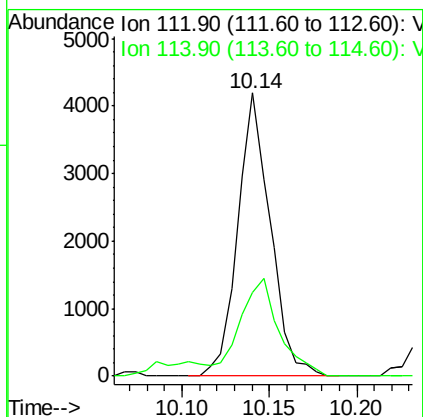
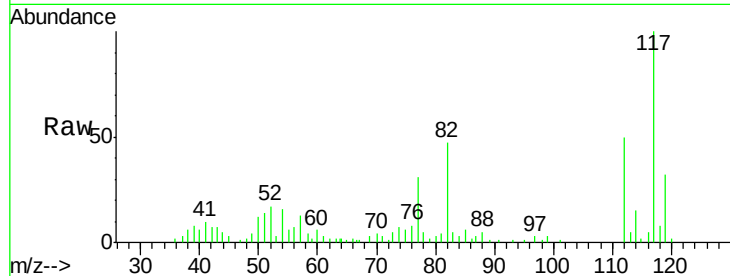
#65
Chlorobenzene
Concen: 0.67 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion:112 Resp: 5427
Ion Ratio Lower Upper
112 100
114 29.7 25.3 37.9

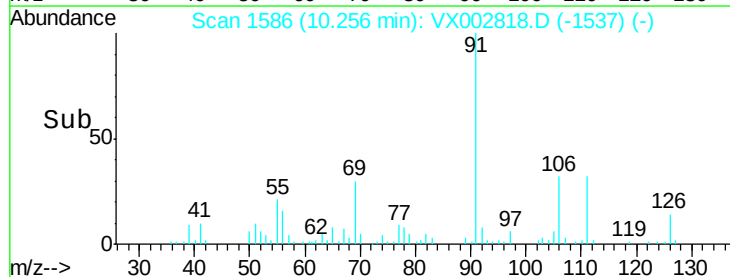
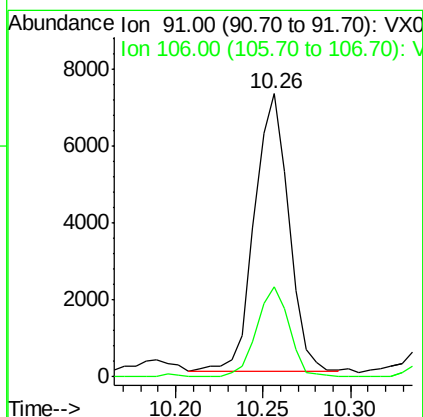
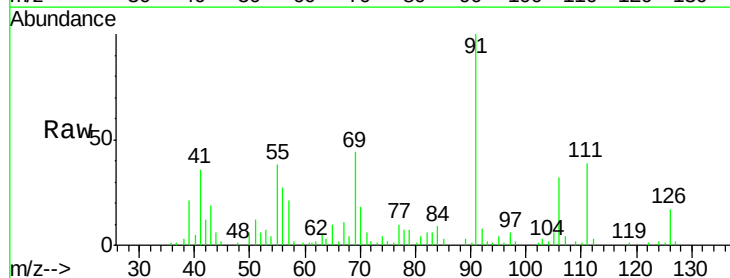
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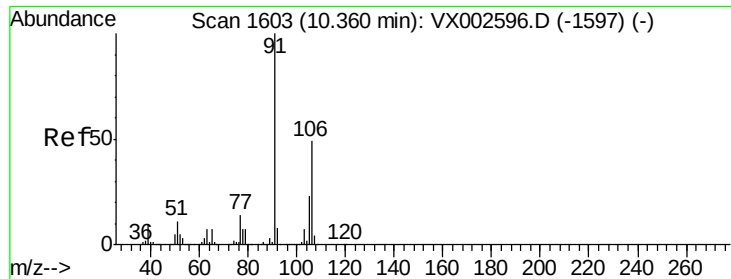
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#67
Ethyl Benzene
Concen: 0.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 91 Resp: 9860
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3





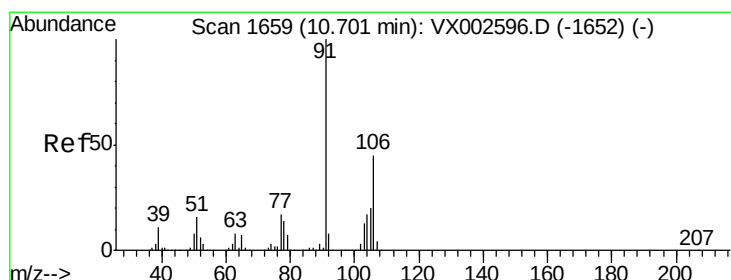
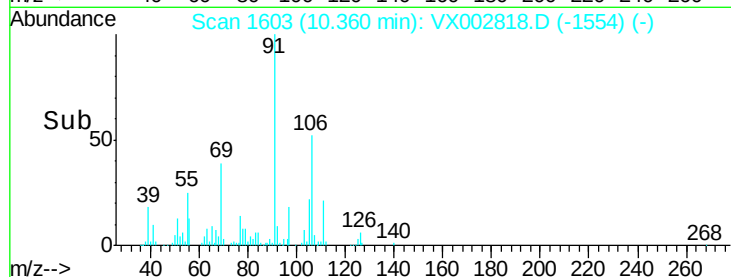
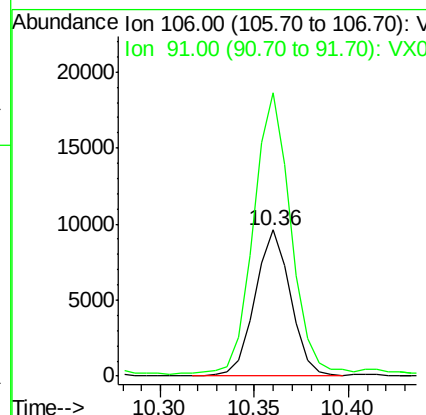
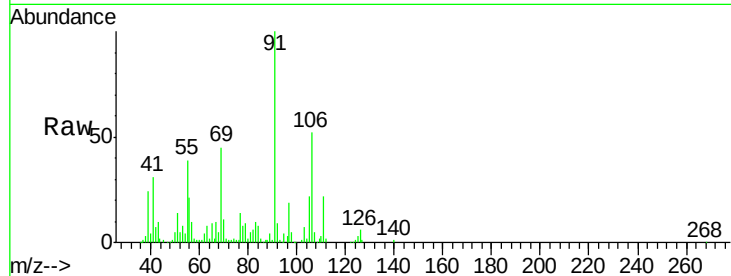
#68
m/p-Xylenes
Concen: 2.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.3	163.4	245.2	

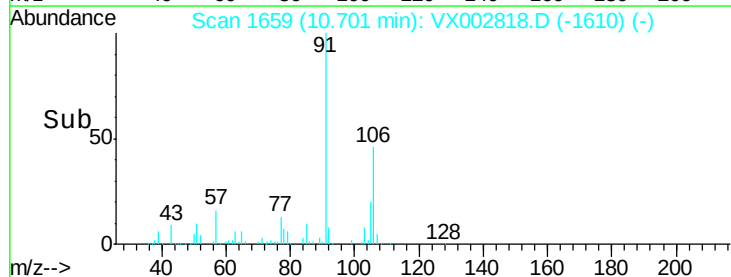
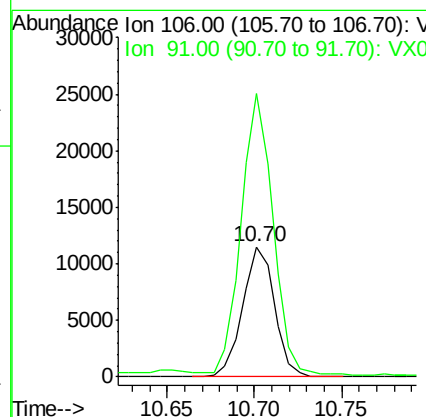
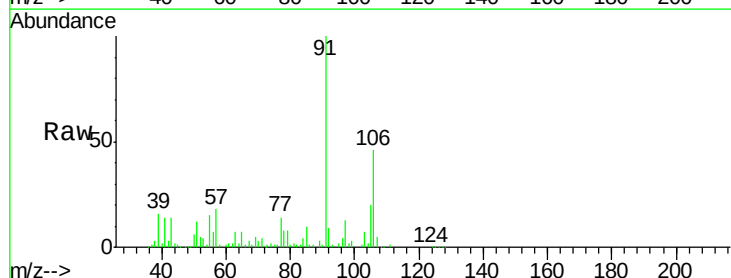
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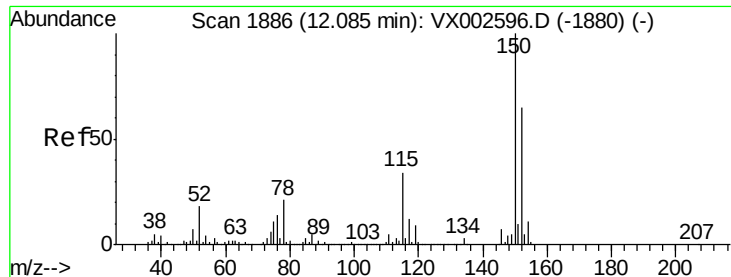
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#69
o-Xylene
Concen: 2.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.9	108.2	324.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:152 Resp: 212848

Ion Ratio Lower Upper

152 100

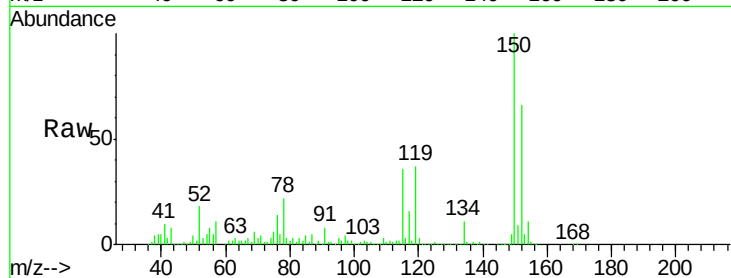
115 104.9 40.1 120.2

150 155.5 0.0 347.2

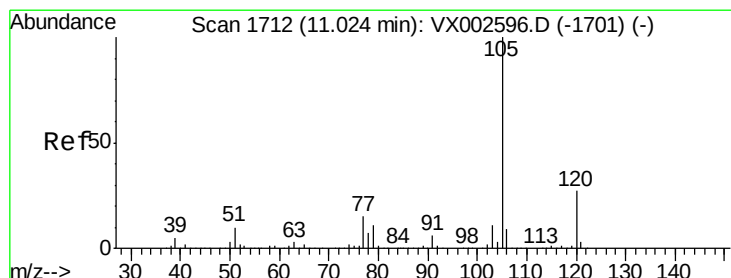
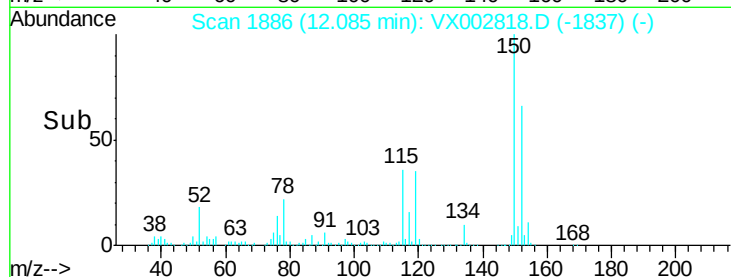
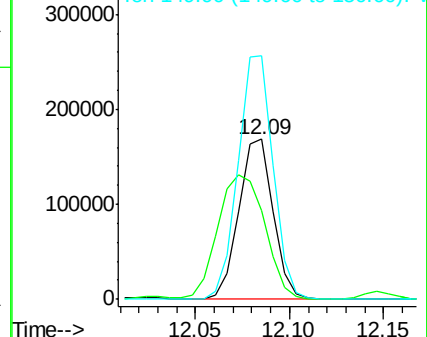
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 21.40 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002818.D

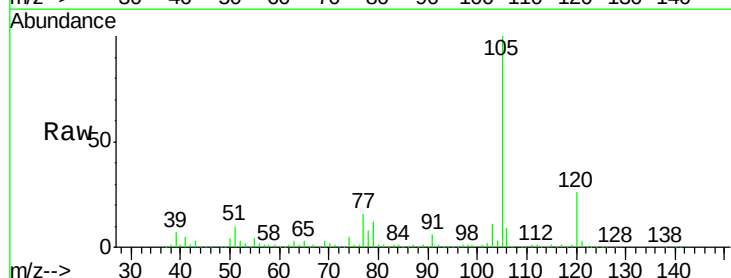
Acq: 22 Jun 2018 05:19

Tgt Ion:105 Resp: 304630

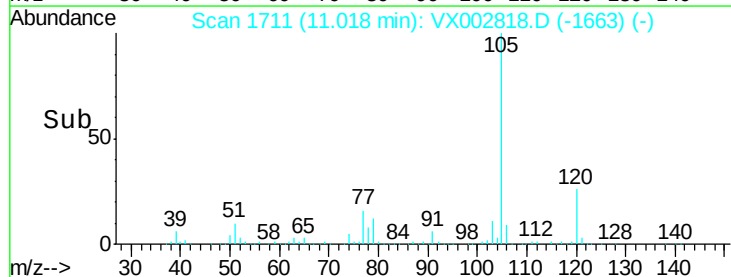
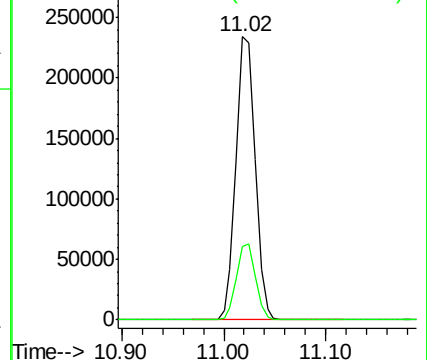
Ion Ratio Lower Upper

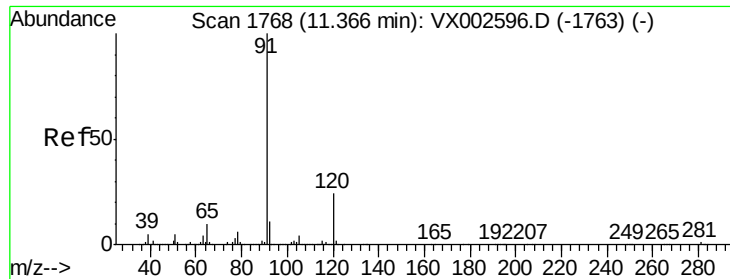
105 100

120 26.7 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: 29.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 91 Resp: 487786

Ion Ratio Lower Upper

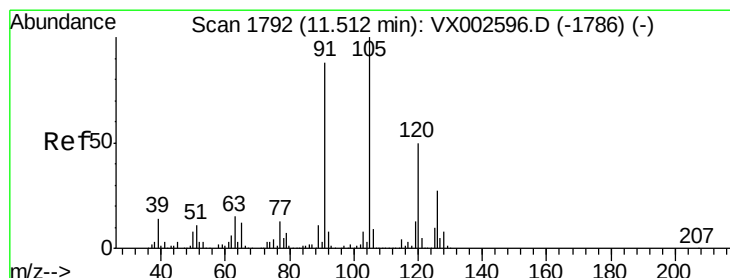
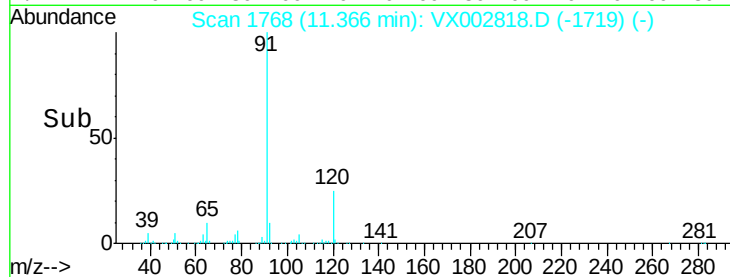
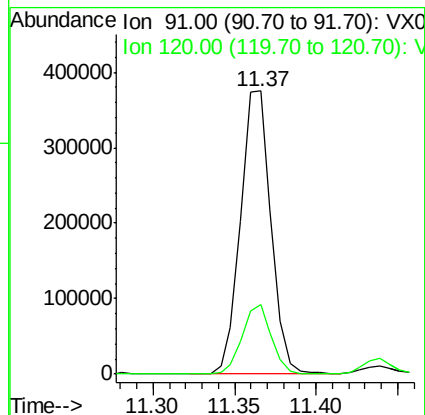
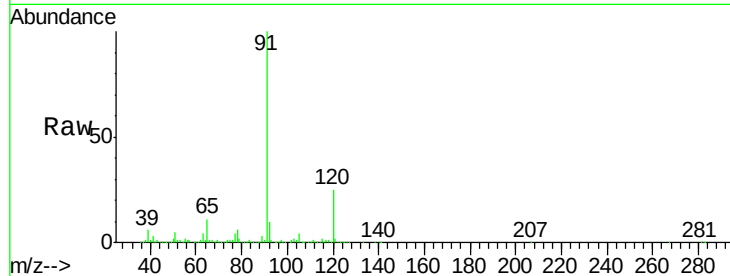
91 100

120 23.5 11.8 35.4

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#80

1,3,5-Trimethylbenzene

Concen: 7.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002818.D

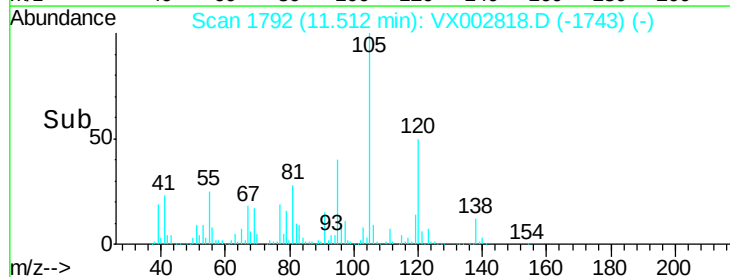
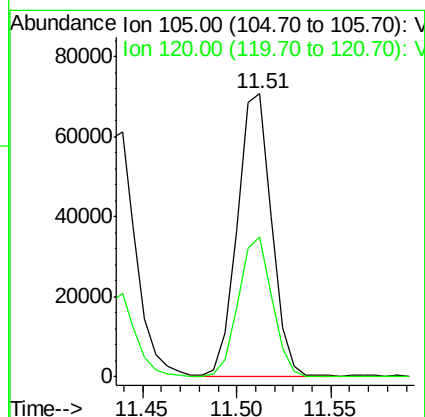
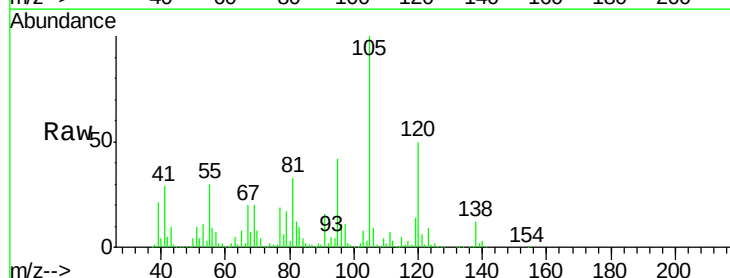
Acq: 22 Jun 2018 05:19

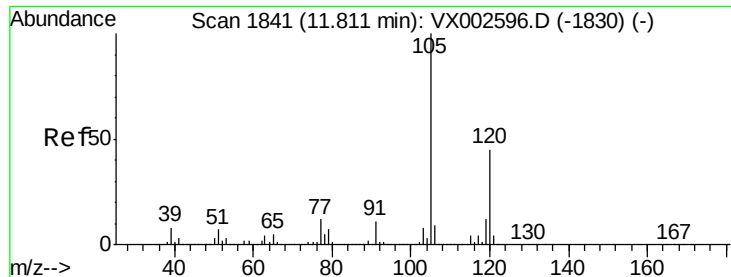
Tgt Ion: 105 Resp: 88940

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4





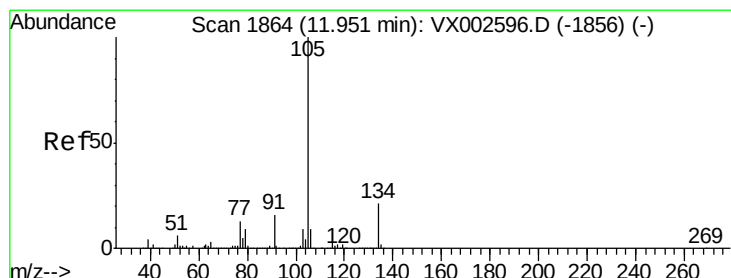
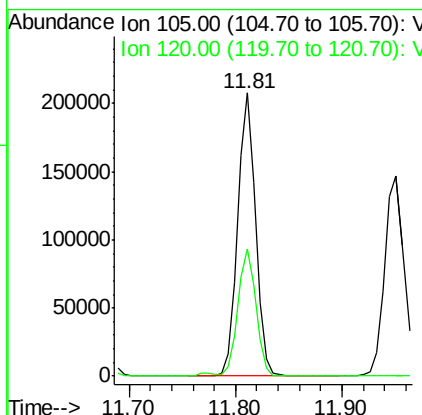
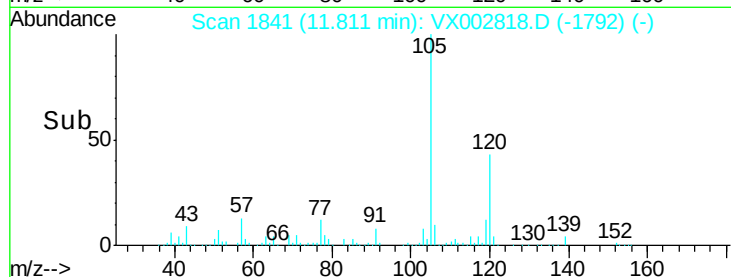
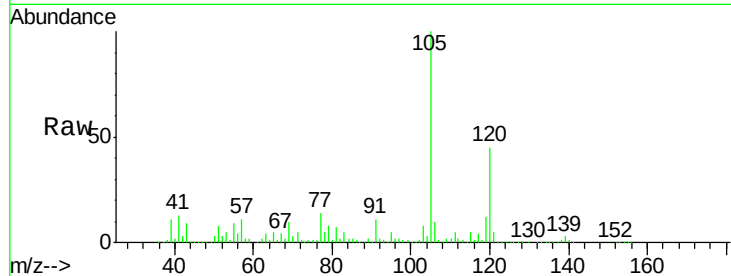
#84
 1,2,4-Trimethylbenzene
 Concen: 19.97 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.8

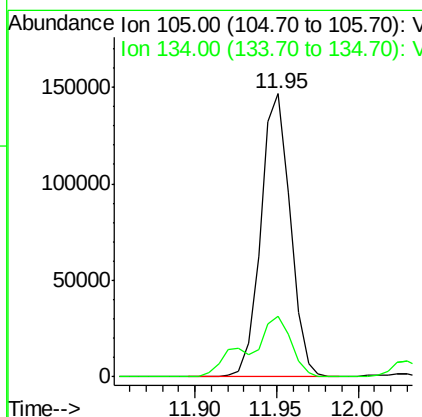
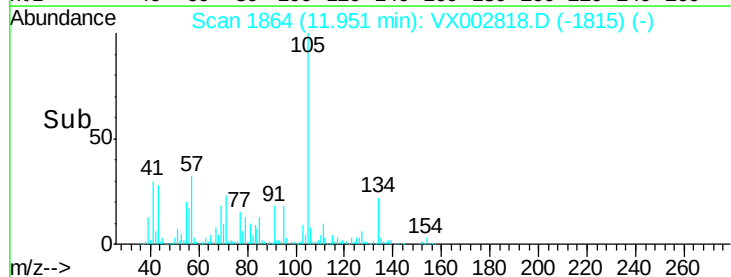
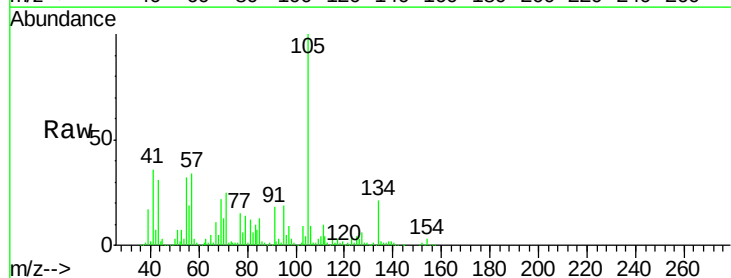
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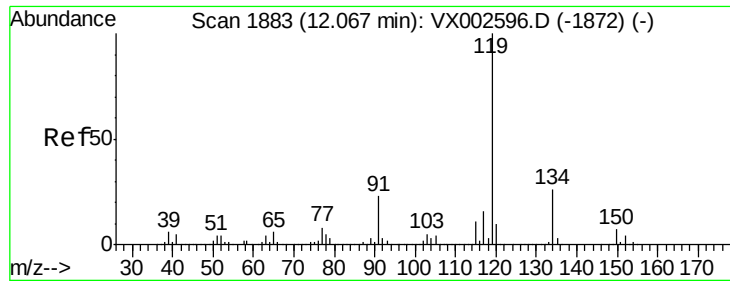
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#85
 sec-Butylbenzene
 Concen: 12.67 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion	Ratio	Lower	Upper
105	100		
134	31.1	10.4	31.1#





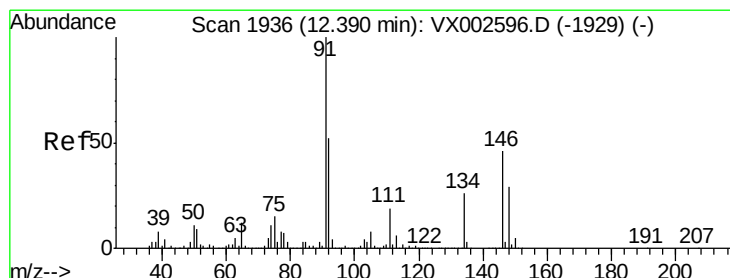
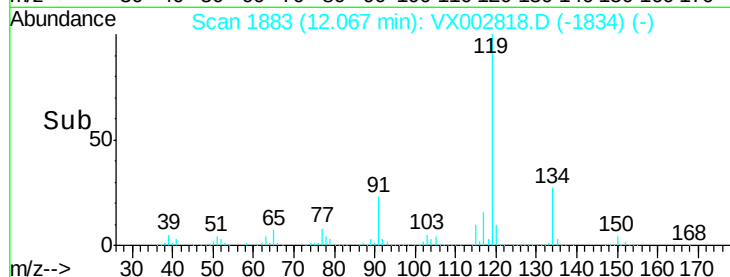
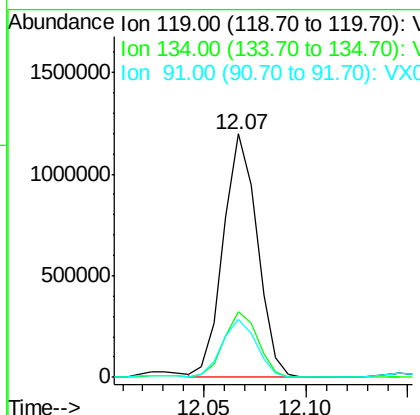
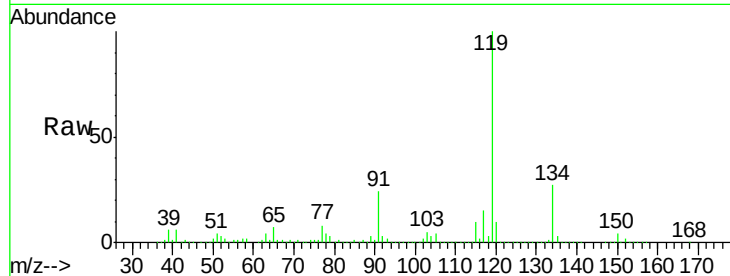
#86
 p-Isopropyltoluene
 Concen: 105.83 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	23.8	11.9	35.7

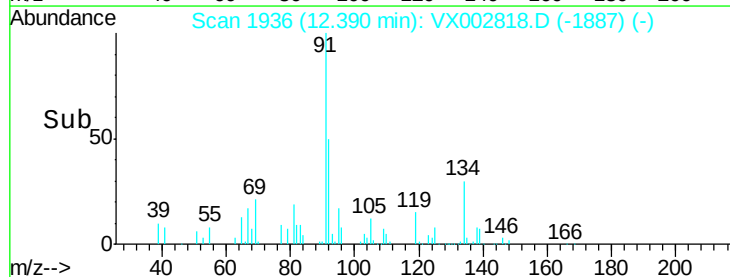
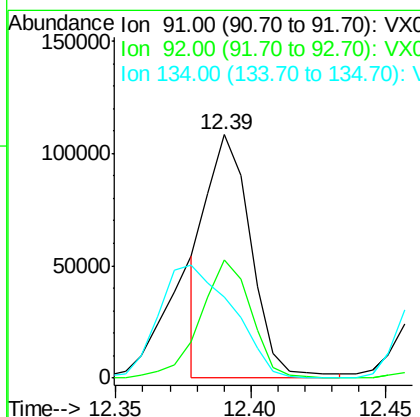
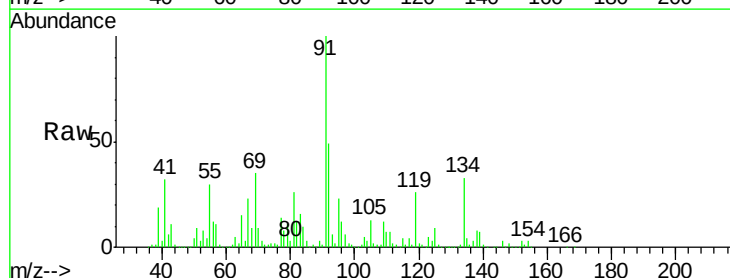
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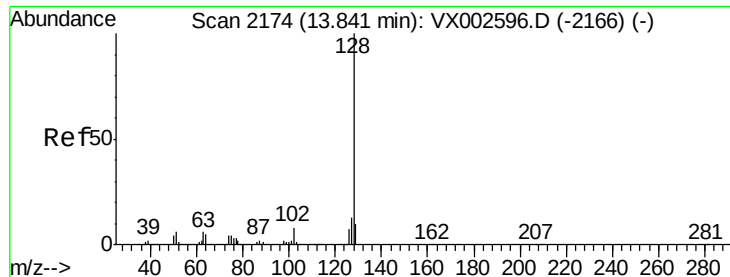
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#89
 n-Butylbenzene
 Concen: 10.86 ug/l m
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.0	78.0
134	75.9	13.5	40.5#





#95
Naphthalene
Concen: 26.67 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.6	10.4	15.6
129	16.4	8.6	13.0

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