

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002424.D
 Acq On : 09 Jun 2018 16:36
 Operator : JC/MD
 Sample : J3396-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-09

Manual Integrations
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 6/11/2018 2:32:54 PM

Quant Time: Jun 11 04:55:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300458	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	164296	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	144199	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
35) Dibromofluoromethane	5.51	113	109645	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
50) Toluene-d8	8.72	98	431794	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.14	95	153402	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	30735	4.60	ug/l	100
25) 2-Butanone	4.71	43	12115	5.79	ug/l	100
31) Cyclohexane	5.58	56	53659	13.92	ug/l	98
39) Methylcyclohexane	7.46	83	12312	3.40	ug/l #	92
40) Benzene	6.15	78	3219	0.33	ug/l	95
52) Toluene	8.79	92	102207	16.59	ug/l	100
65) Chlorobenzene	10.14	112	6026	0.88	ug/l	90
67) Ethyl Benzene	10.26	91	37790	3.28	ug/l	99
68) m/p-Xylenes	10.36	106	252646	56.43	ug/l	100
69) o-Xylene	10.70	106	50761	11.39	ug/l	99
73) Isopropylbenzene	11.02	105	140917	12.33	ug/l	100
78) n-propylbenzene	11.37	91	228229	17.97	ug/l	99
83) tert-Butylbenzene	11.77	119	9152	0.96	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	22111	2.19	ug/l	99
85) sec-Butylbenzene	11.95	105	33438	2.99	ug/l	96
89) n-Butylbenzene	12.39	91	6229m	0.73	ug/l	
95) Naphthalene	13.84	128	224117	18.74	ug/l	99

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

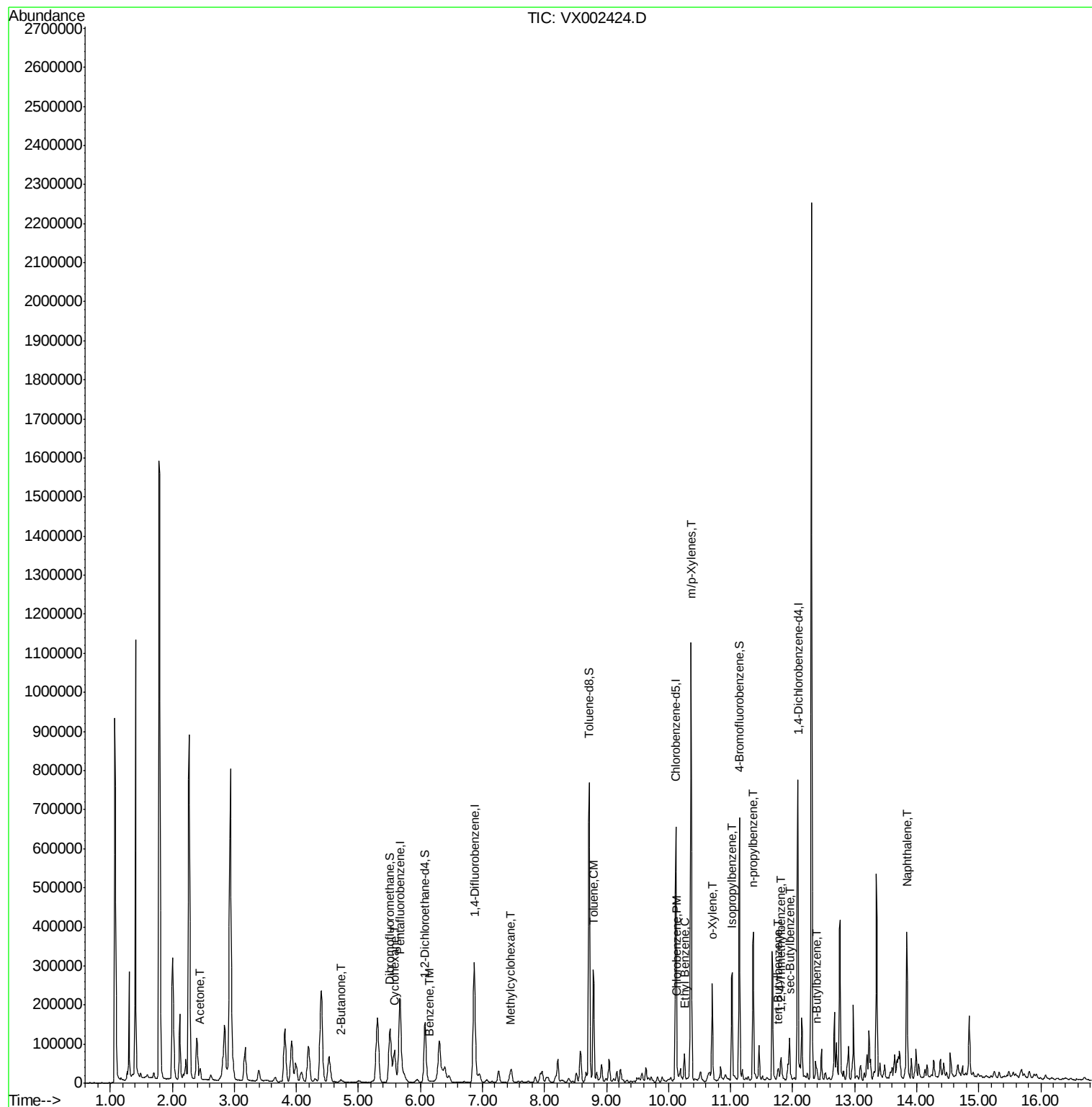
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060918\
Data File : VX002424.D
Acq On : 09 Jun 2018 16:36
Operator : JC/MD
Sample : J3396-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

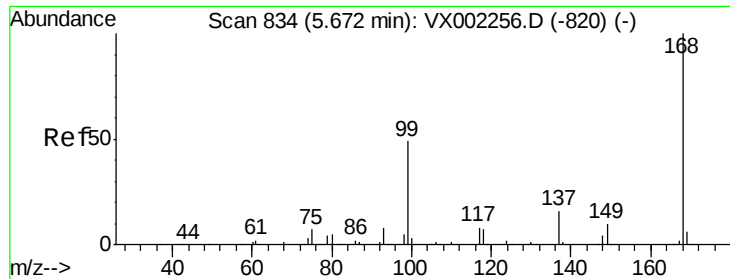
Instrument :
MSVOA_X
ClientSampleId :
W-09

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Quant Time: Jun 11 04:55:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 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: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion:168 Resp: 213444

Ion Ratio Lower Upper

168 100

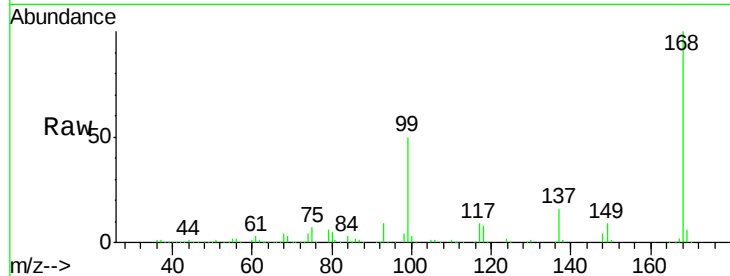
99 49.7 39.3 58.9

Manual Integrations

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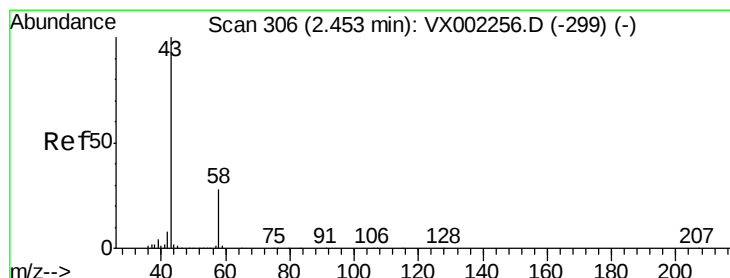
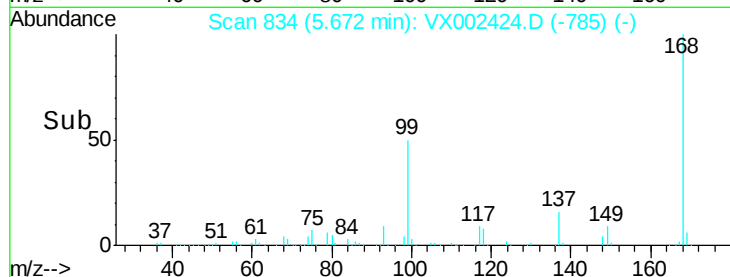
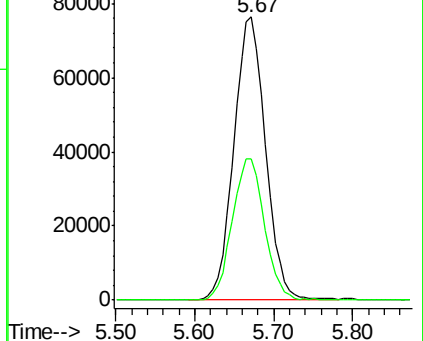
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002424.D

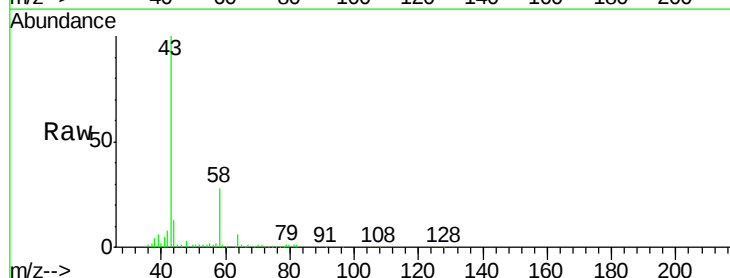
Acq: 09 Jun 2018 16:36

Tgt Ion: 43 Resp: 30735

Ion Ratio Lower Upper

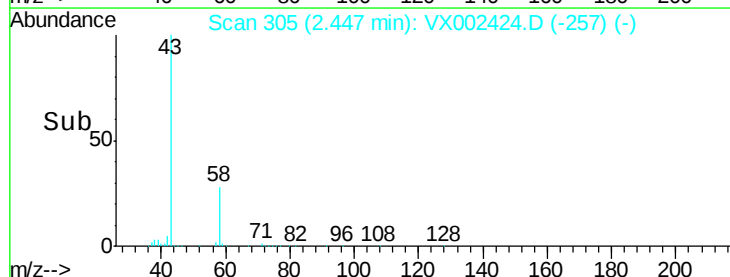
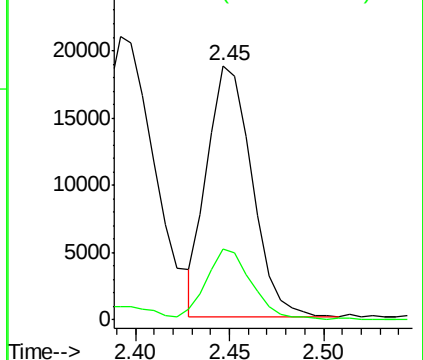
43 100

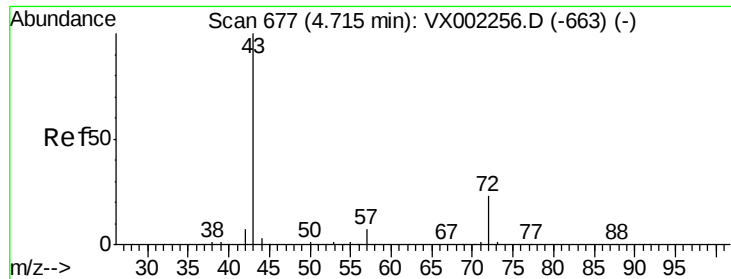
58 27.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 5.79 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 43 Resp: 12115

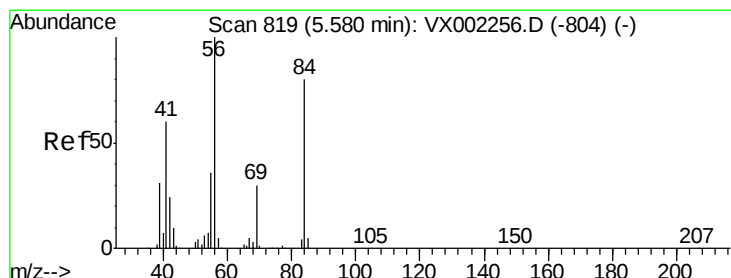
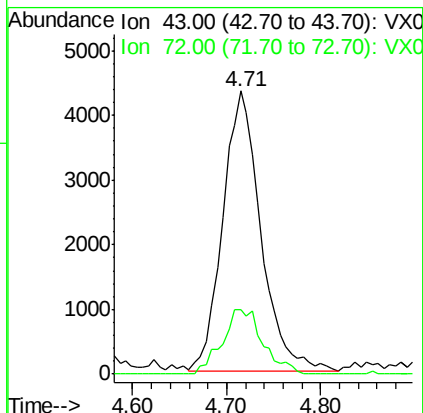
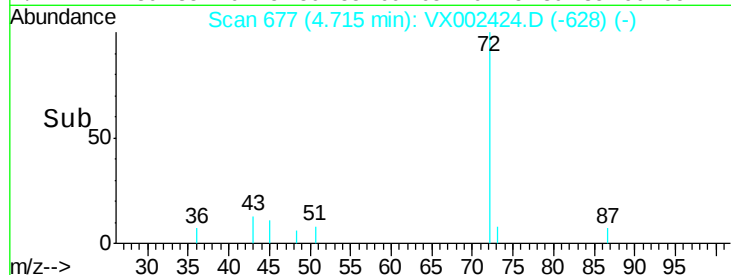
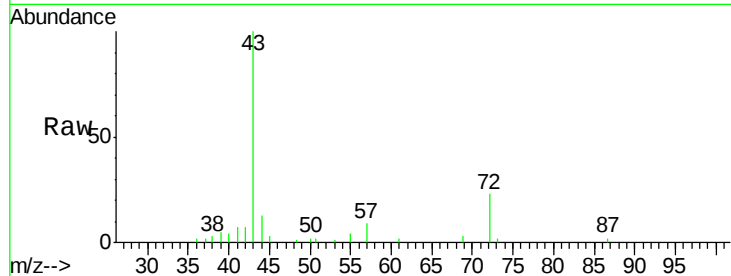
Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7

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#31

Cyclohexane

Concen: 13.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

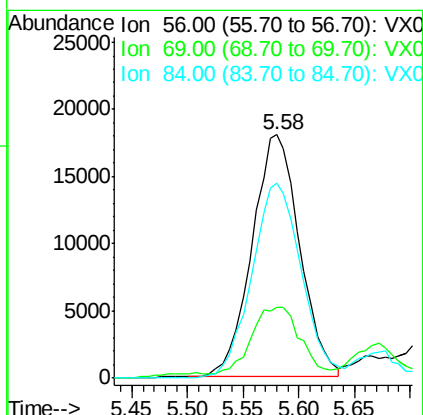
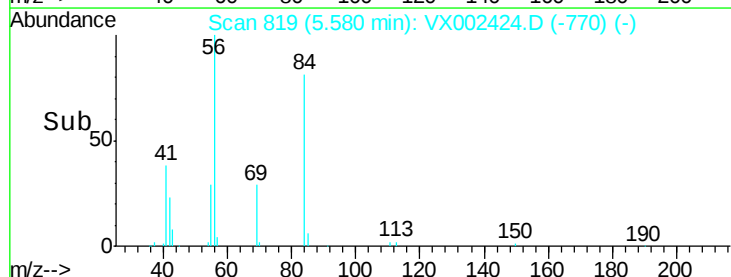
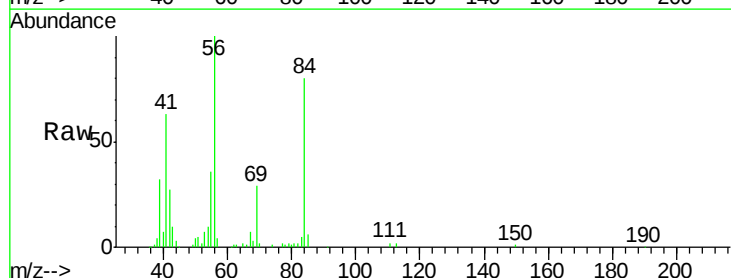
Tgt Ion: 56 Resp: 53659

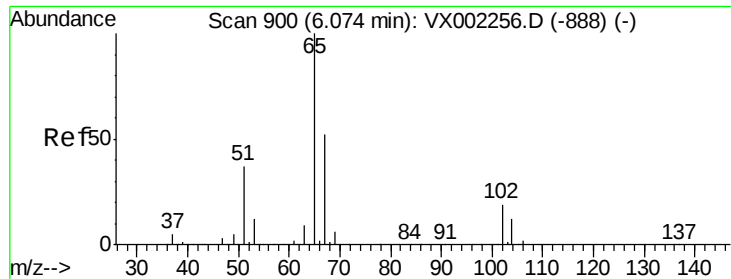
Ion Ratio Lower Upper

56 100

69 27.1 23.7 35.5

84 80.5 64.1 96.1





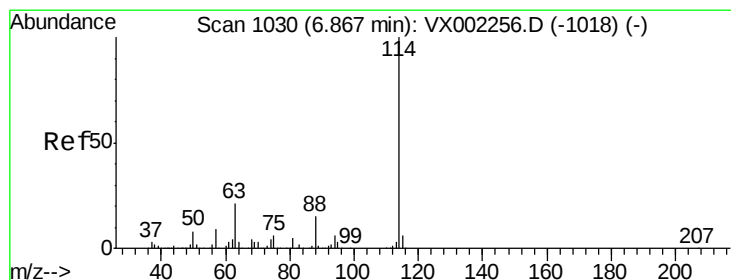
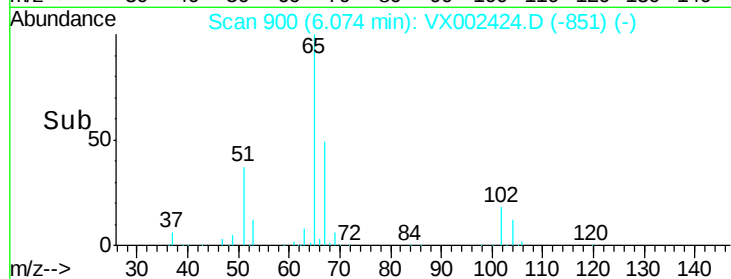
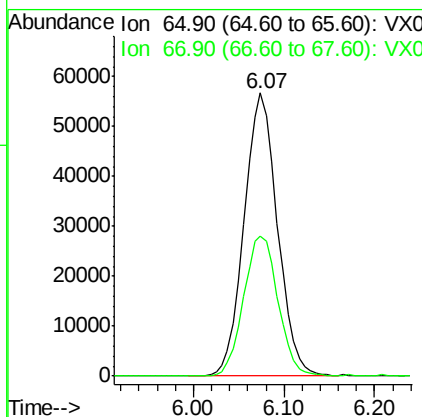
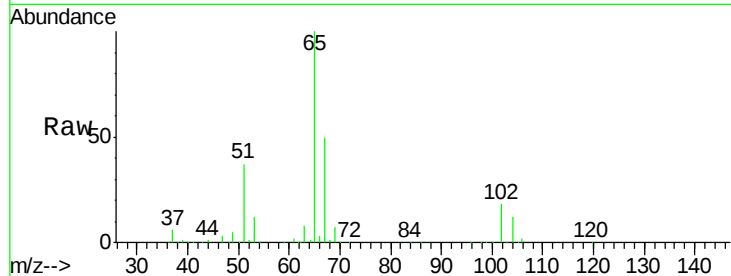
#33
 1,2-Dichloroethane-d4
 Concen: 47.04 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002424.D
 Acq: 09 Jun 2018 16:36

Instrument :
 MSVOA_X
 ClientSampled :
 W-09

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144199		
67	51.3	0.0	102.6	

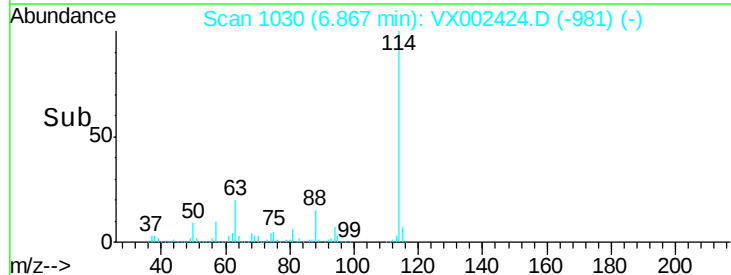
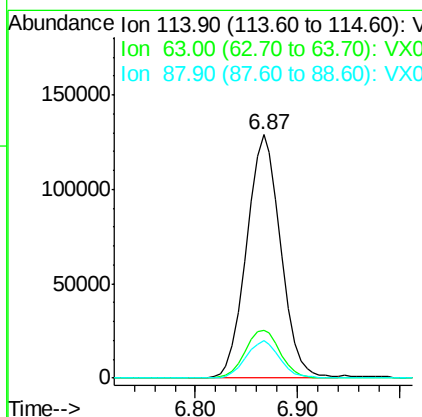
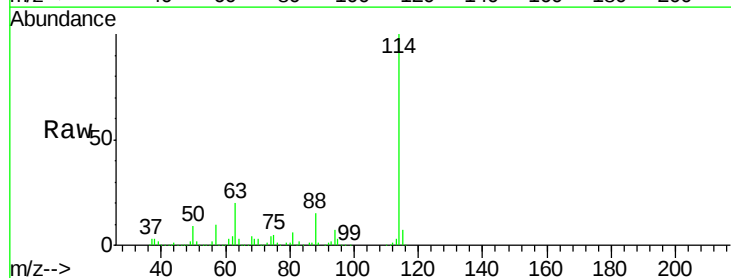
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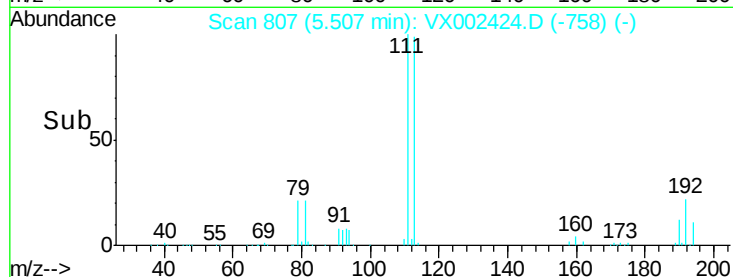
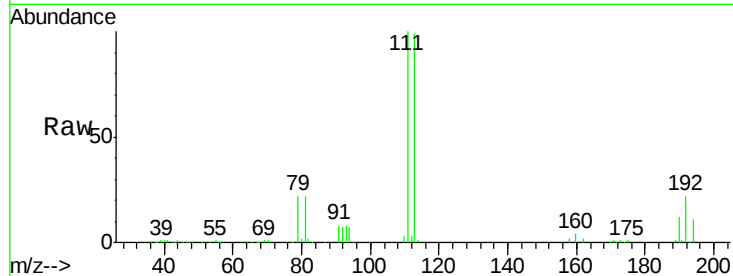
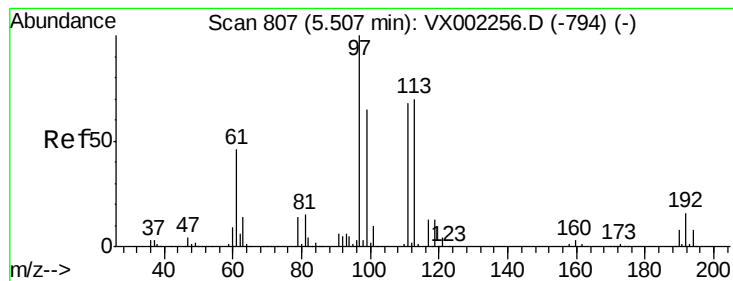
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002424.D
 Acq: 09 Jun 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	300458		
63	19.7	0.0	41.4	
88	15.2	0.0	30.0	





#35

Dibromofluoromethane

Concen: 46.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002424.D

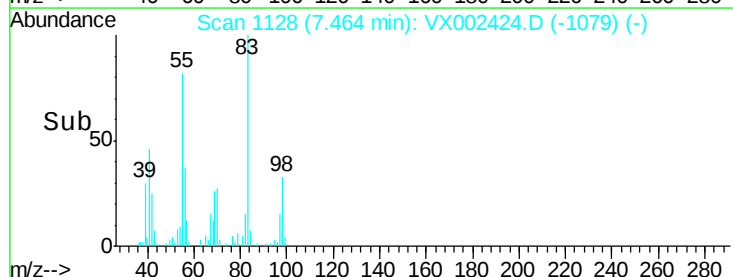
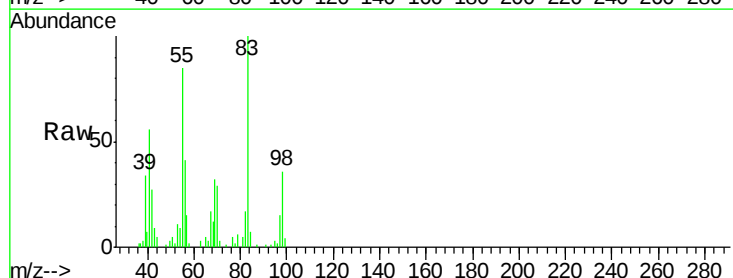
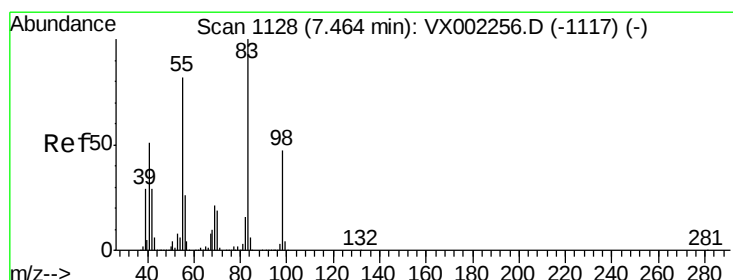
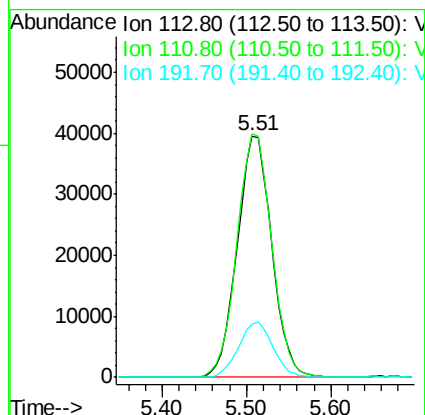
Acq: 09 Jun 2018 16:36

Tot Ion:	113	Resp:	109645
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	22.7	19.1	28.7

Instrument :
MSVOA_X
ClientSampled :
W-09

Manual Integrations
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#39

Methylcyclohexane

Concen: 3.40 ug/l

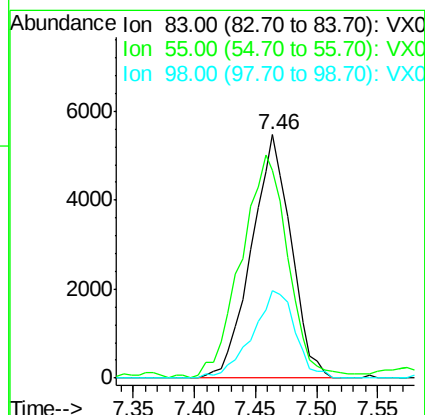
RT: 7.46 min Scan# 1128

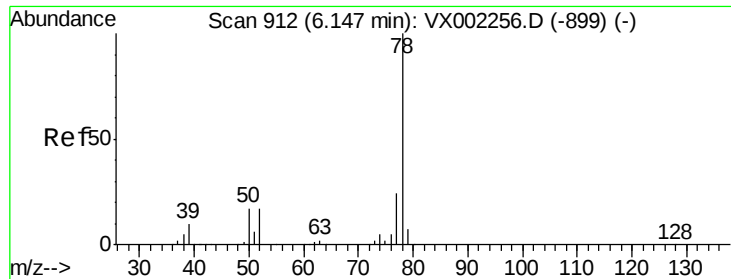
Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Tgt Ion:	83	Resp:	12312
Ion Ratio	Lower	Upper	
83	100		
55	85.2	65.4	98.0
98	35.9	37.4	56.0#





#40

Benzene

Concen: 0.33 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 78 Resp: 3219

Ion Ratio Lower Upper

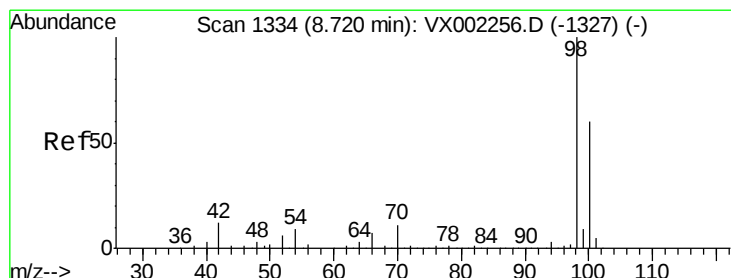
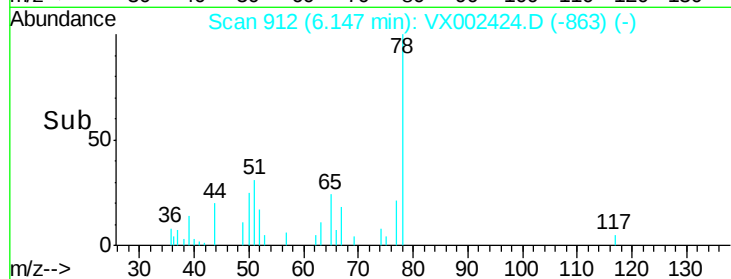
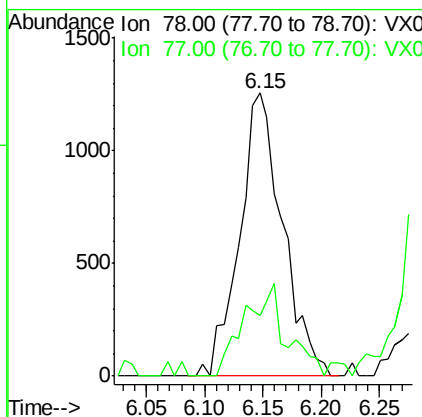
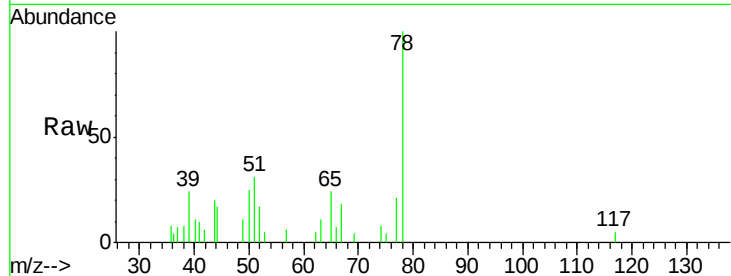
78 100

77 21.3 19.1 28.7

Manual Integrations
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#50

Toluene-d8

Concen: 47.68 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002424.D

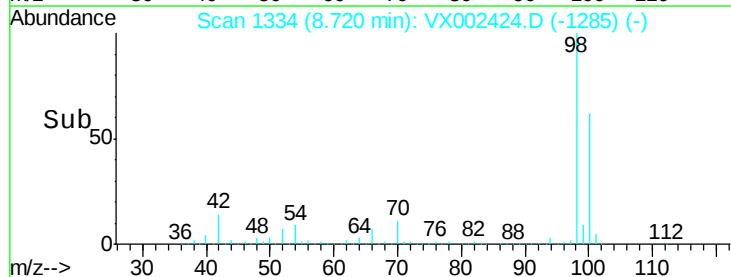
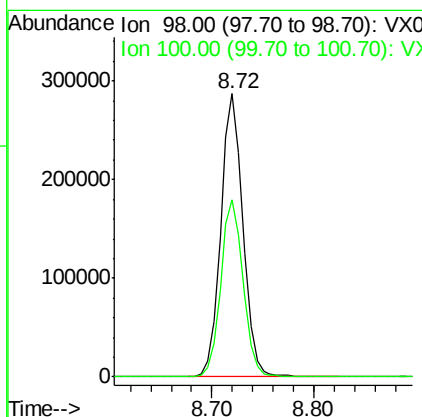
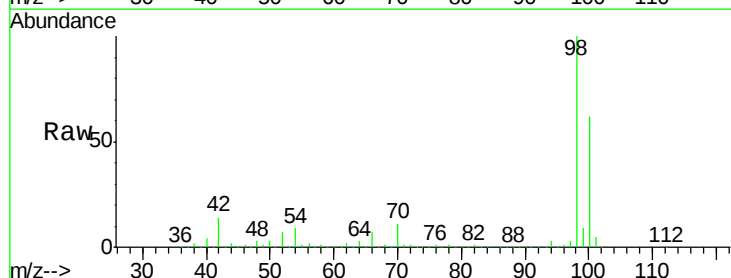
Acq: 09 Jun 2018 16:36

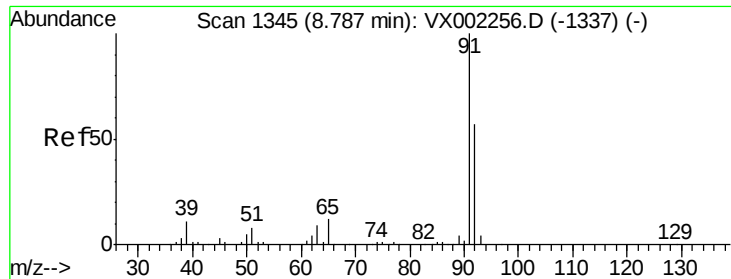
Tgt Ion: 98 Resp: 431794

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3





#52

Toluene

Concen: 16.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 92 Resp: 102207

Ion Ratio Lower Upper

92 100

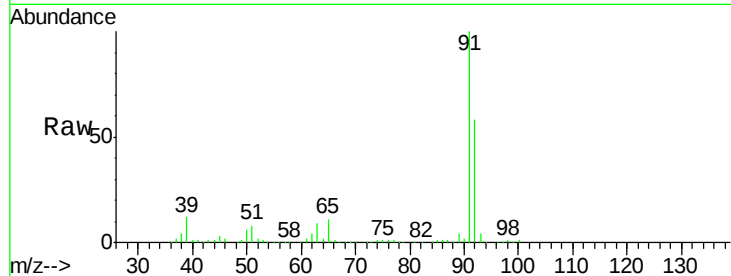
91 174.9 140.4 210.6

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

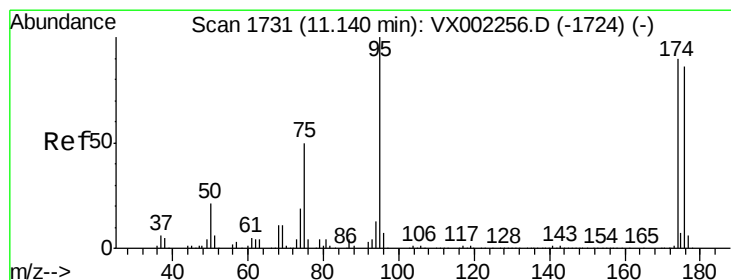
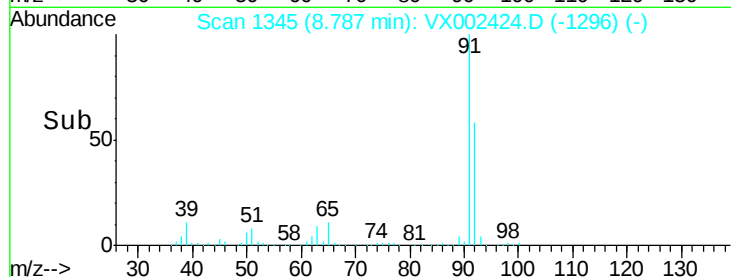
100000

50000

0

8.79

Time-->



#62

4-Bromofluorobenzene

Concen: 43.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

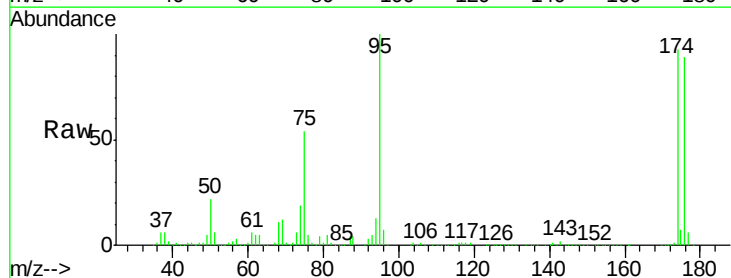
Tgt Ion: 95 Resp: 153402

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

176 92.3 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

150000

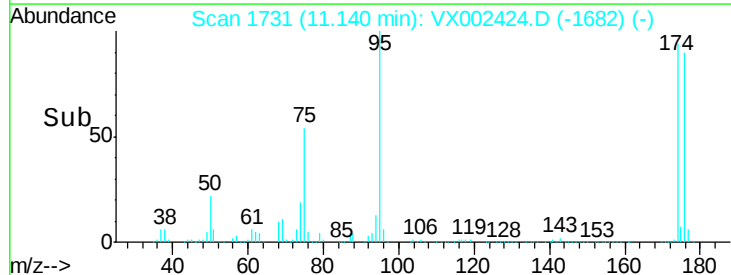
100000

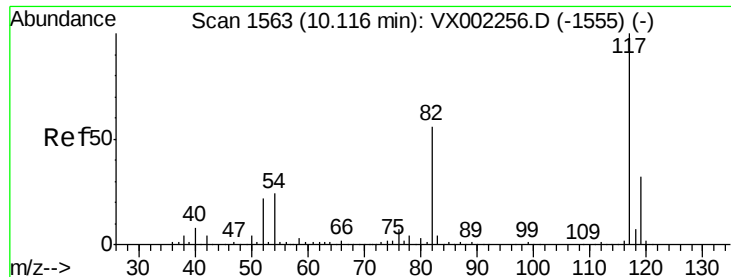
50000

0

11.14

Time-->





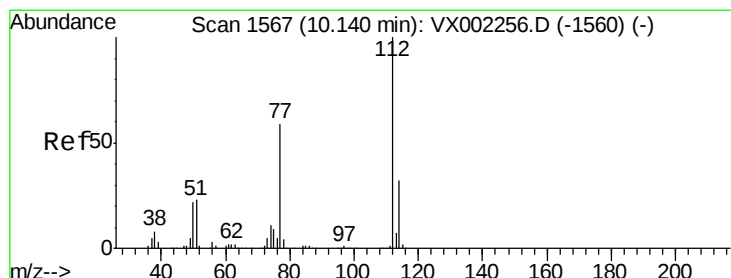
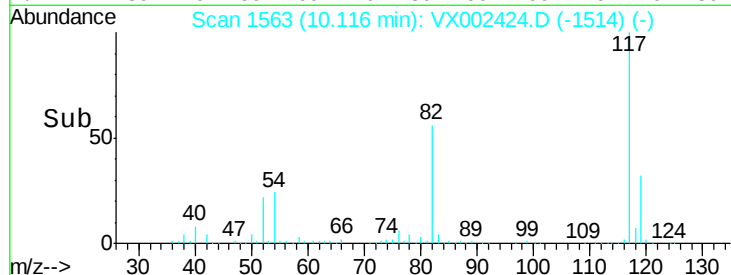
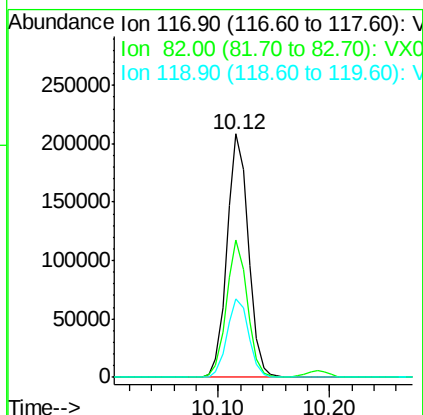
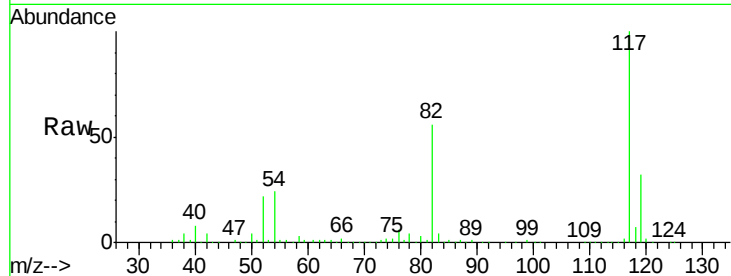
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Instrument :
MSVOA_X
ClientSampled :
W-09

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	32.1	25.8	38.6

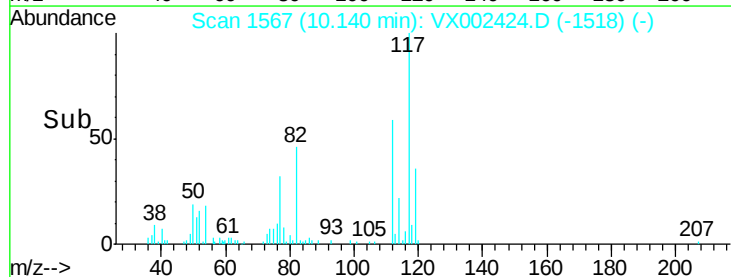
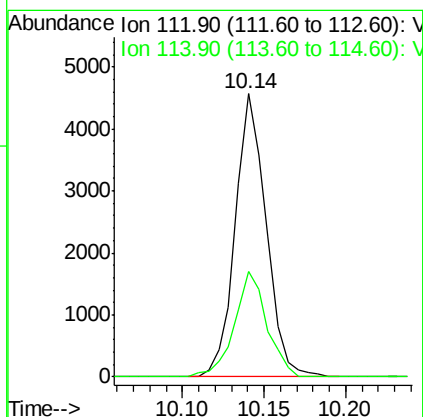
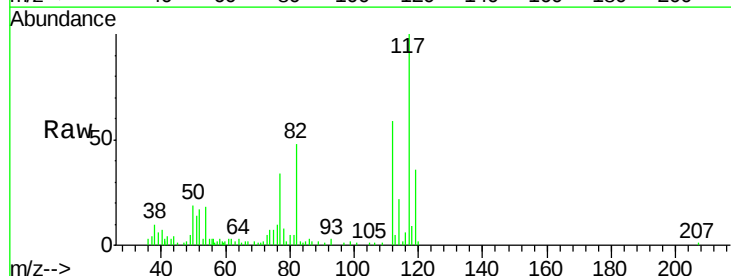
Manual Integrations
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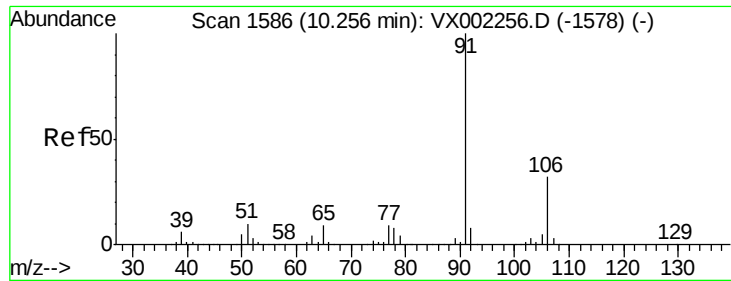
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#65
Chlorobenzene
Concen: 0.88 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002424.D
Acq: 09 Jun 2018 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.1	25.3	37.9





#67

Ethyl Benzene

Concen: 3.28 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 91 Resp: 37790

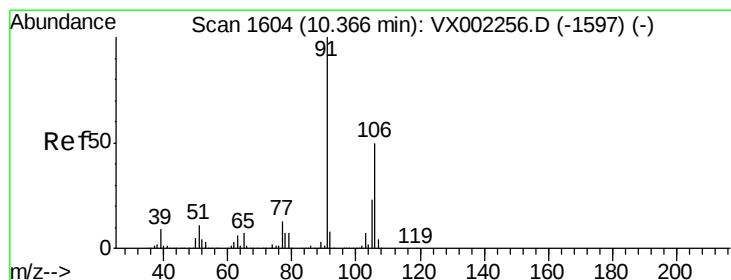
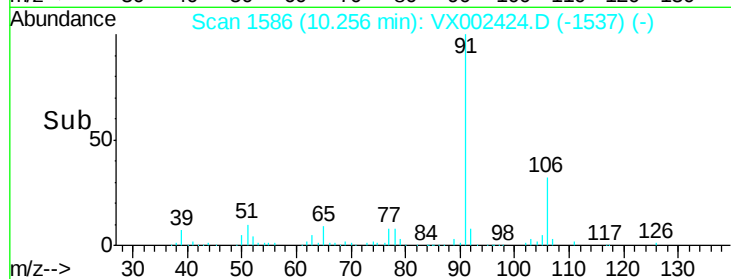
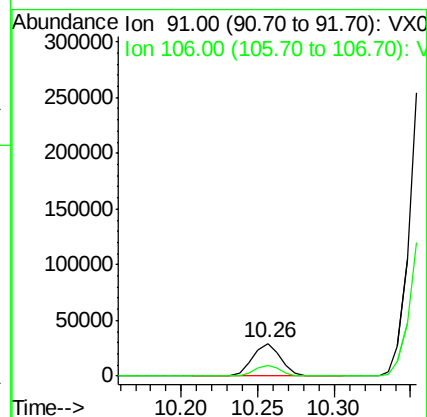
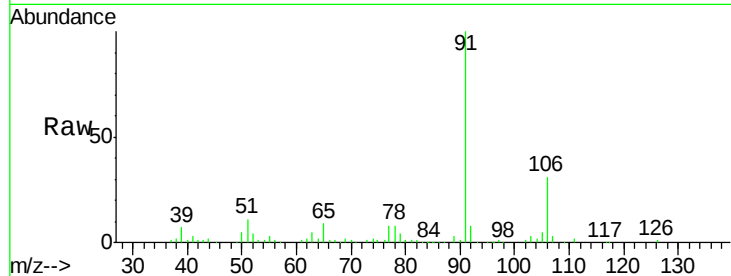
Ion Ratio Lower Upper

91 100

106 31.6 25.5 38.3

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#68

m/p-Xylenes

Concen: 56.43 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002424.D

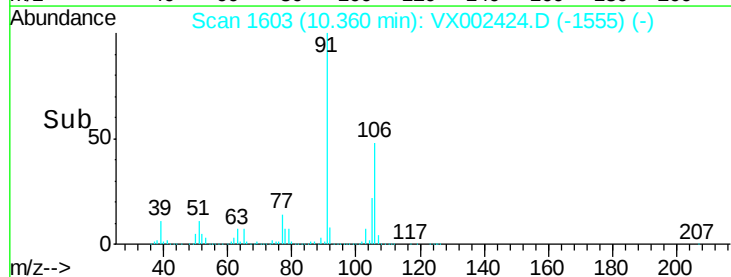
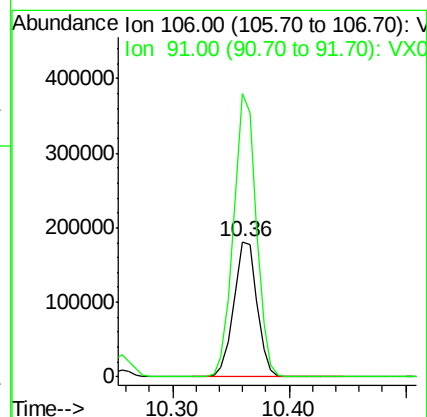
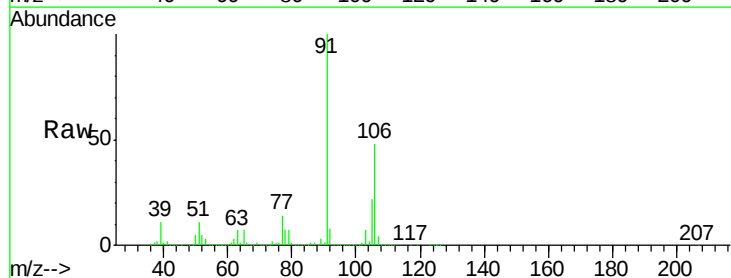
Acq: 09 Jun 2018 16:36

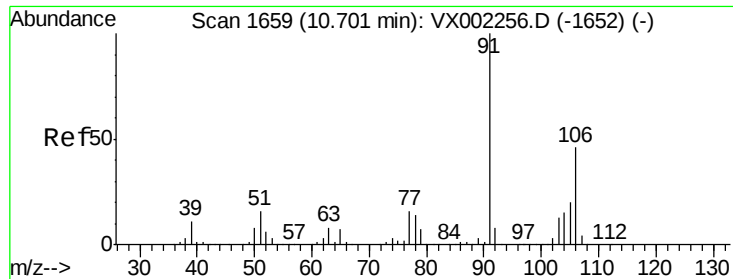
Tgt Ion: 106 Resp: 252646

Ion Ratio Lower Upper

106 100

91 205.0 163.4 245.2





#69

o-Xylene

Concen: 11.39 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion:106 Resp: 50761

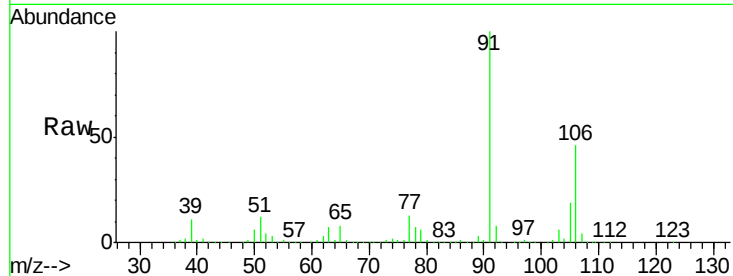
Ion Ratio Lower Upper

106 100

91 218.4 108.2 324.6

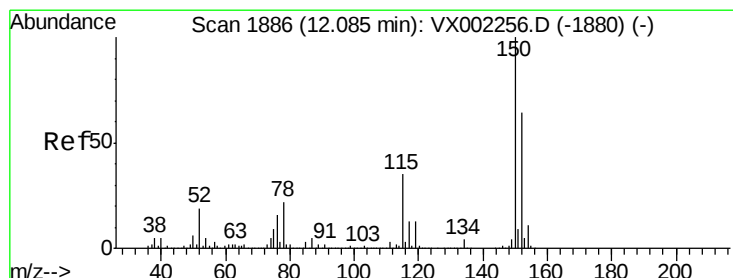
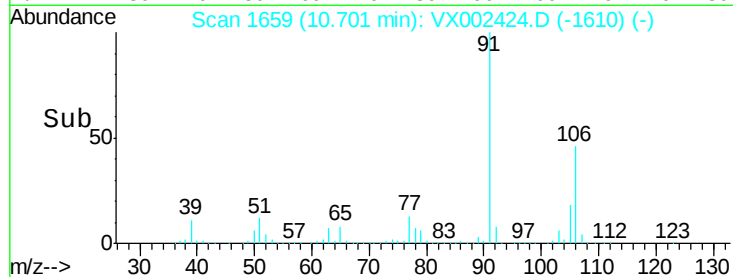
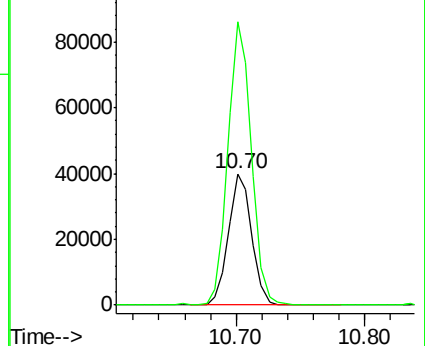
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Abundance Ion 106.00 (105.70 to 106.70): V

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: VX002424.D

Acq: 09 Jun 2018 16:36

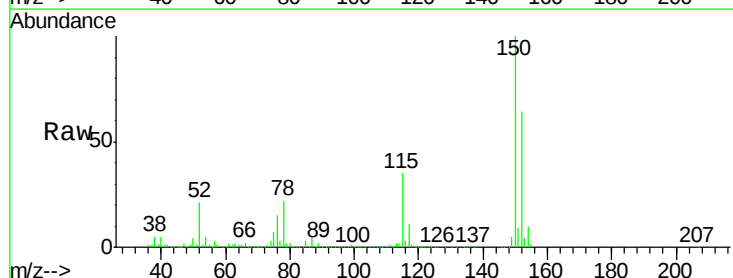
Tgt Ion:152 Resp: 164296

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

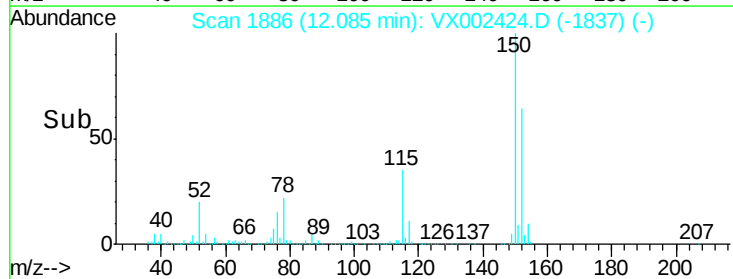
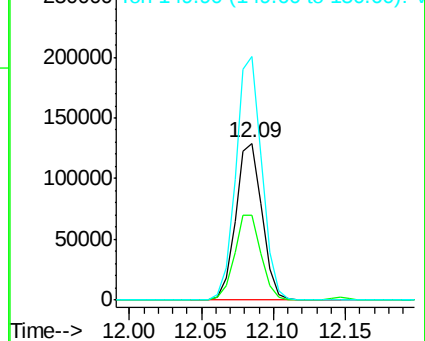
150 153.8 0.0 347.2

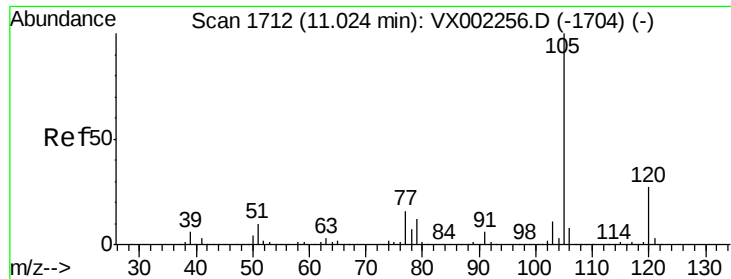


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 105 Resp: 140917

Ion Ratio Lower Upper

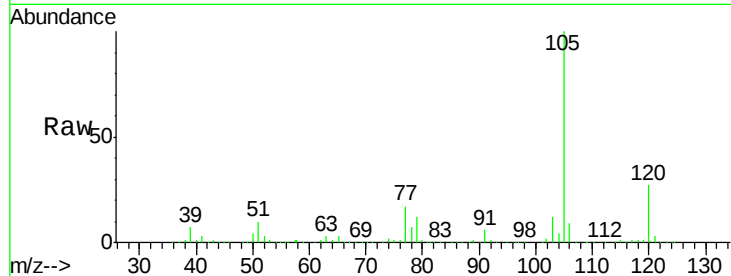
105 100

120 27.1 13.5 40.4

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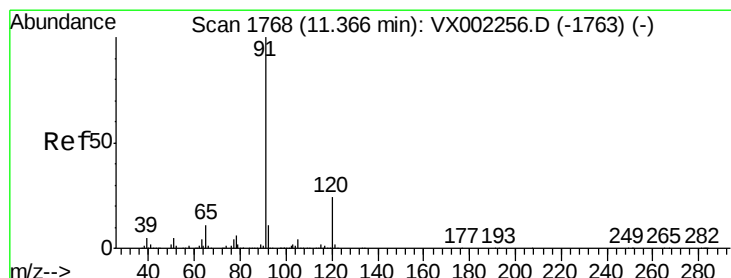
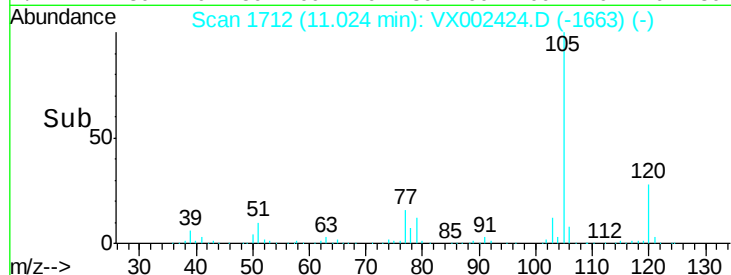
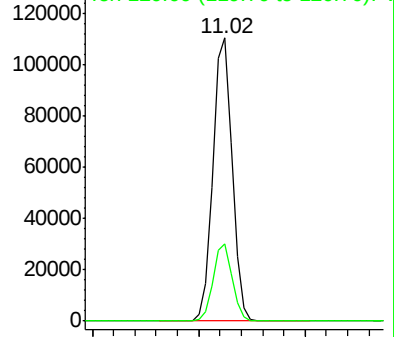
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 17.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002424.D

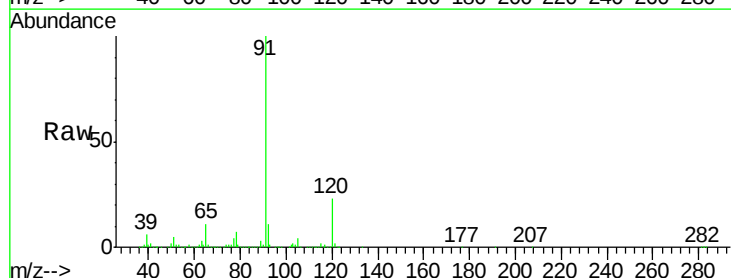
Acq: 09 Jun 2018 16:36

Tgt Ion: 91 Resp: 228229

Ion Ratio Lower Upper

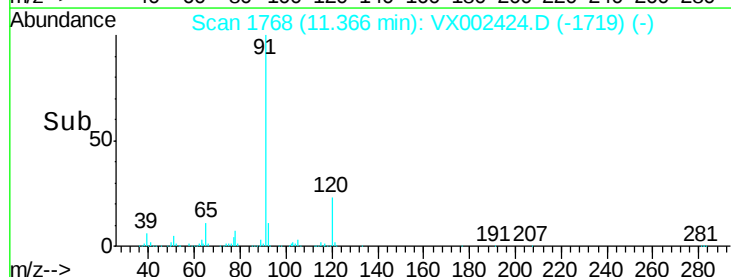
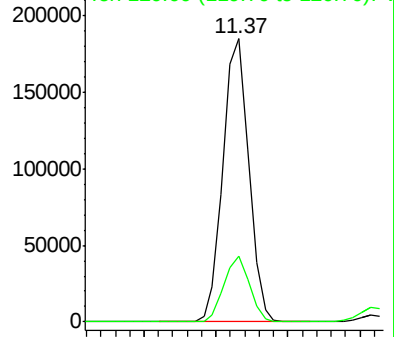
91 100

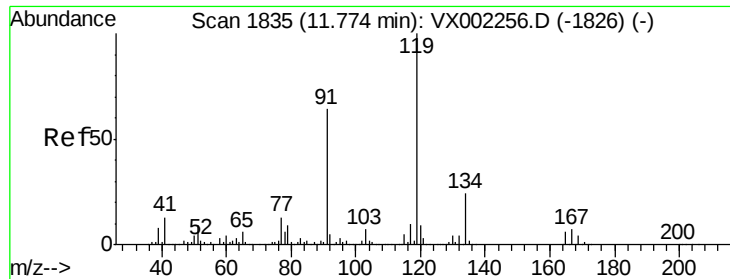
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.96 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

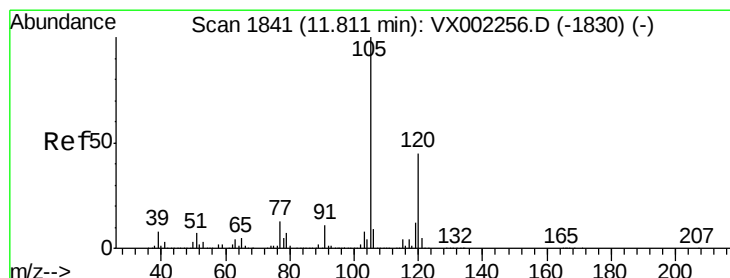
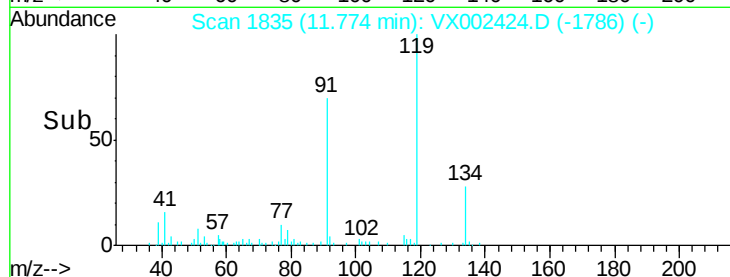
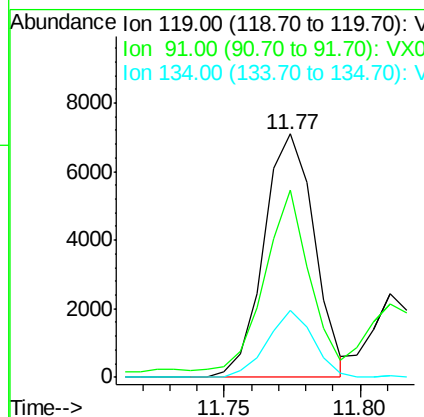
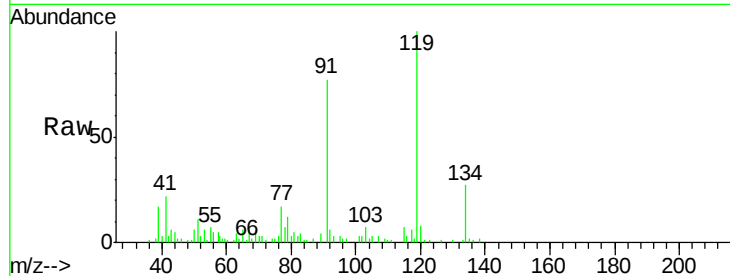
ClientSampleId :

W-09

Tot Ion:	119	Resp:	9152
Ion	Ratio	Lower	Upper
119	100		
91	66.3	30.3	90.9
134	25.0	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 2.19 ug/l

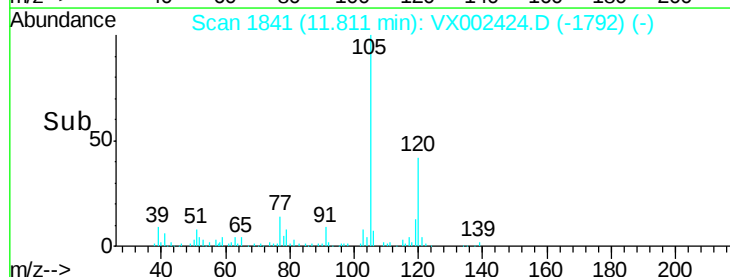
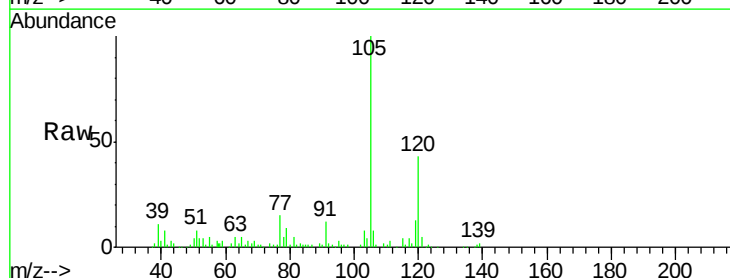
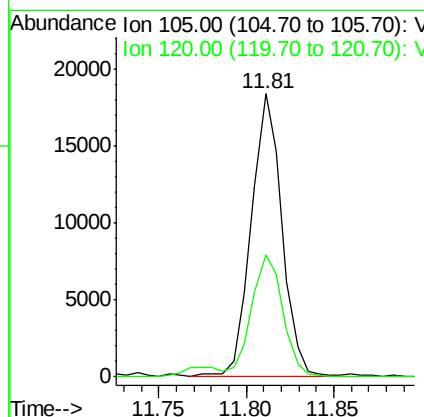
RT: 11.81 min Scan# 1841

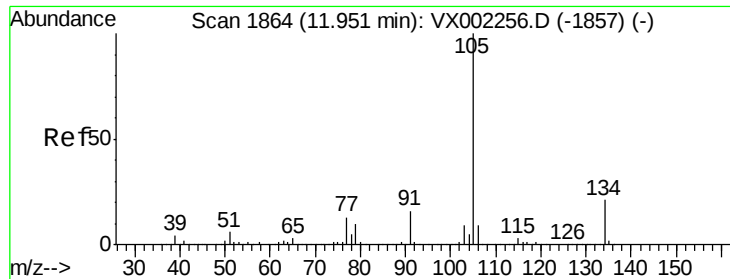
Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Tgt Ion:	105	Resp:	22111
Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 2.99 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

W-09

Tot Ion: 105 Resp: 33438

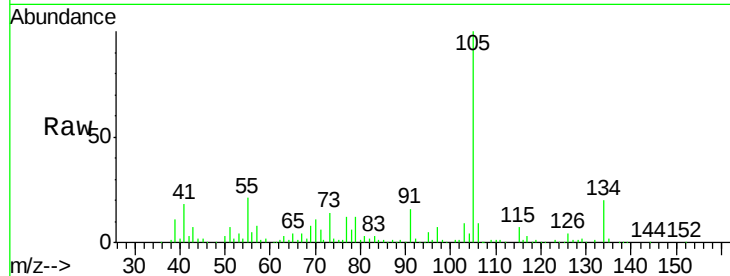
Ion Ratio Lower Upper

105 100

134 18.7 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

30000

25000

20000

15000

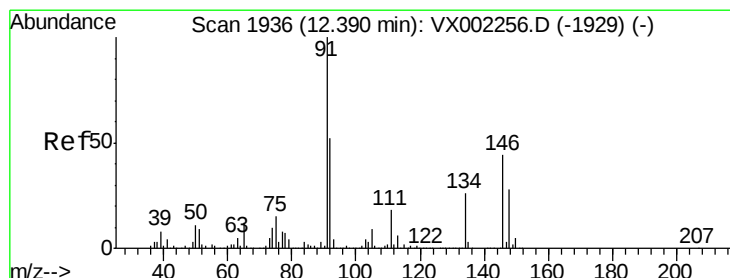
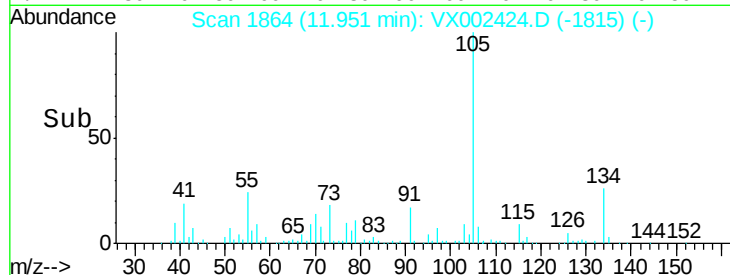
10000

5000

0

Time-->

11.90 11.95 12.00



#89

n-Butylbenzene

Concen: 0.73 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

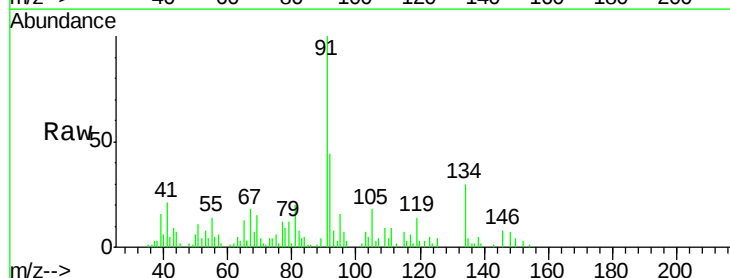
Tgt Ion: 91 Resp: 6229

Ion Ratio Lower Upper

91 100

92 53.0 26.0 78.0

134 0.0 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

6000

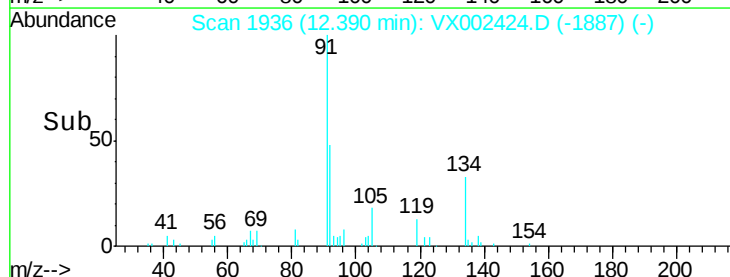
4000

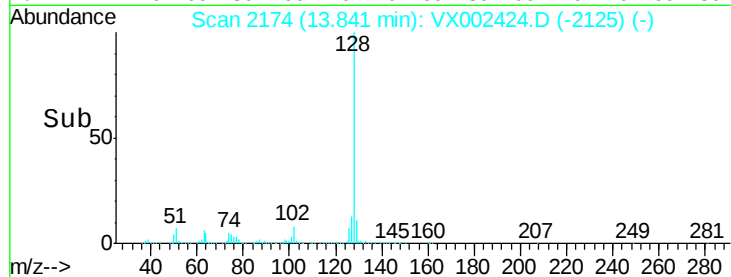
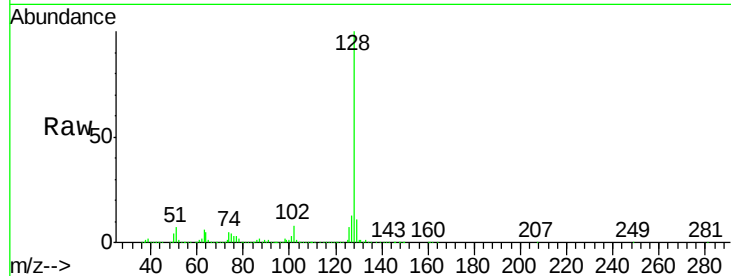
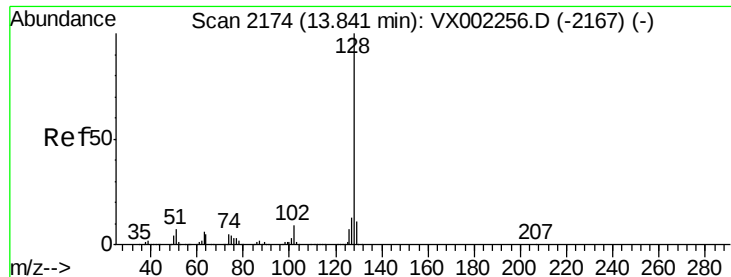
2000

0

Time-->

12.40





#95

Naphthalene

Concen: 18.74 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002424.D

Acq: 09 Jun 2018 16:36

Tot Ion:	128	Resp:	224117
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.5	8.6	13.0

Instrument :
MSVOA_X
ClientSampleId :
W-09

Manual Integrations
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