

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060419\
 Data File : VX010059.D
 Acq On : 04 Jun 2019 15:39
 Operator : JC/SP
 Sample : K3178-01 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40061

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 9:26:45 AM

Quant Time: Jun 05 07:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163135	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	257943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106970	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105512	45.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.58%	
35) Dibromofluoromethane	5.49	113	79376	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	325816	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	111887	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	2950	2.216	ug/l #	88
17) Carbon Disulfide	2.57	76	5211	1.418	ug/l #	90
31) Cyclohexane	5.57	56	13560	3.867	ug/l	96
37) Ethyl Acetate	4.82	43	286818	78.653	ug/l	99
39) Methylcyclohexane	7.46	83	30440	9.805	ug/l	99
40) Benzene	6.13	78	64034	8.248	ug/l	99
43) Isopropyl Acetate	6.43	43	271260	46.101	ug/l	99
52) Toluene	8.78	92	132462	28.101	ug/l	98
67) Ethyl Benzene	10.25	91	26498	3.047	ug/l	100
68) m/p-Xylenes	10.35	106	68679	21.380	ug/l	99
69) o-Xylene	10.69	106	20100	6.524	ug/l	99
73) Isopropylbenzene	11.01	105	5491	0.696	ug/l	98
78) n-propylbenzene	11.35	91	6656	0.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	24238	3.645	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	39937	5.914	ug/l	100
85) sec-Butylbenzene	11.94	105	2955	0.390	ug/l	99
86) p-Isopropyltoluene	12.06	119	3933	0.578	ug/l	90
89) n-Butylbenzene	12.38	91	5013m	0.784	ug/l	
95) Naphthalene	13.83	128	23658	3.013	ug/l #	94

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

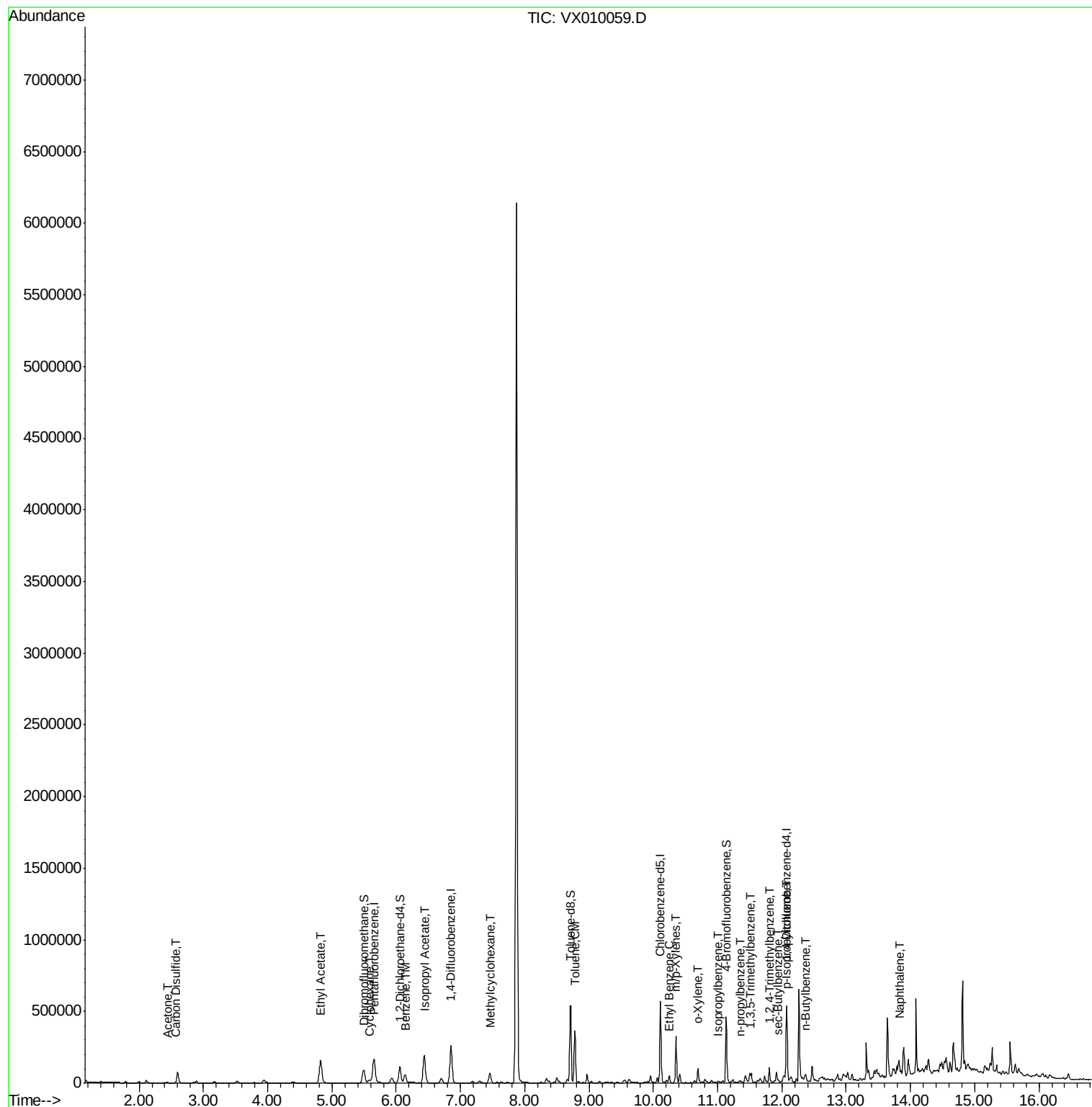
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
Data File : VX010059.D
Acq On : 04 Jun 2019 15:39
Operator : JC/SP
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ALS Vial : 10 Sample Multiplier: 1

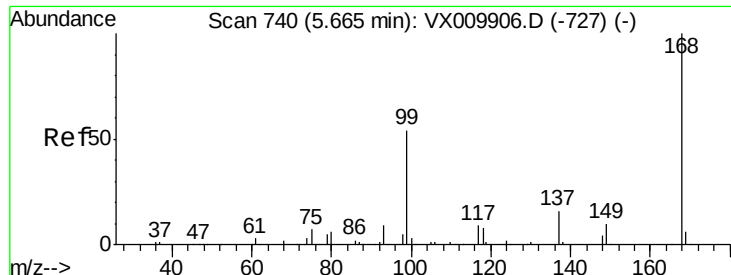
Instrument :
MSVOA_X
ClientSampleId :
40061

Manual Integrations
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6/5/2019 9:26:45 AM

Quant Time: Jun 05 07:53:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

40061

Tot Ion:168 Resp: 163135

Ion Ratio Lower Upper

168 100

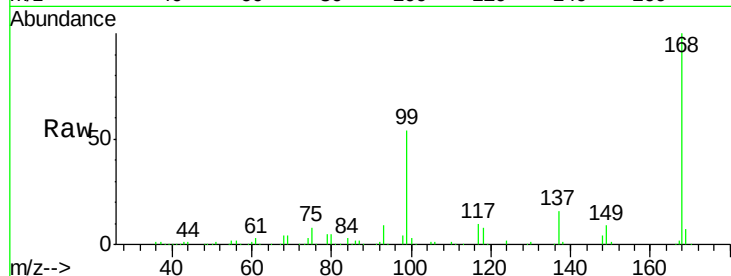
99 54.3 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

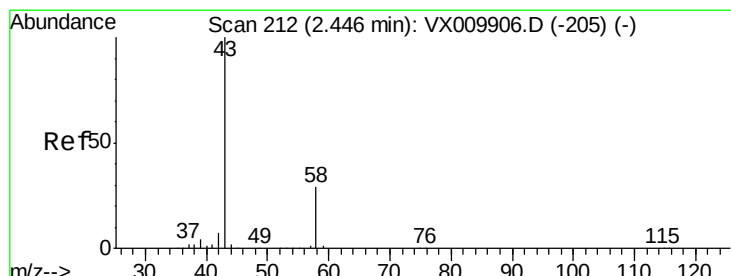
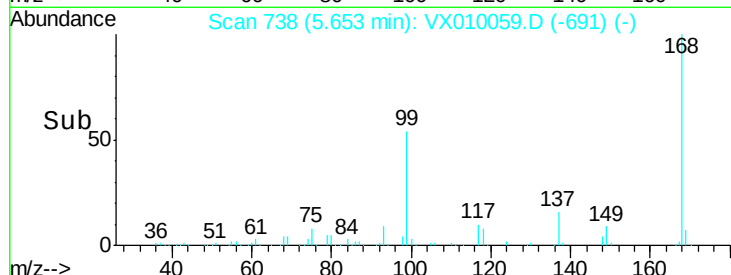
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 2.216 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010059.D

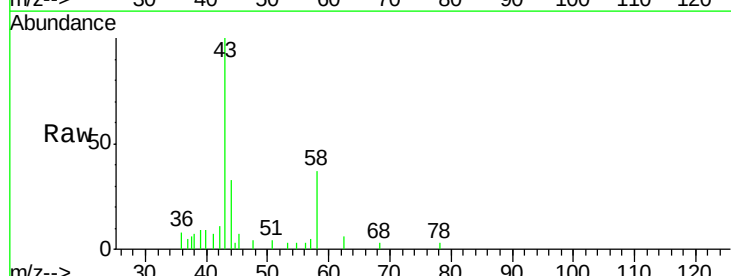
Acq: 04 Jun 2019 15:39

Tgt Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 35.3 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

1500

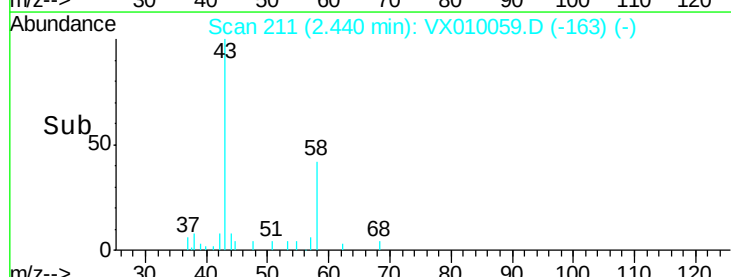
1000

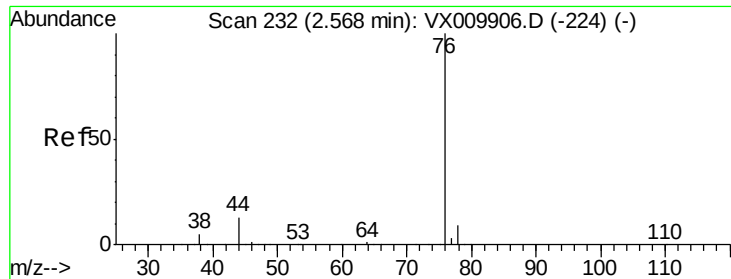
500

0

Time-->

2.40 2.45 2.50





#17

Carbon Disulfide

Concen: 1.418 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

40061

Tot Ion: 76 Resp: 5211

Ion Ratio Lower Upper

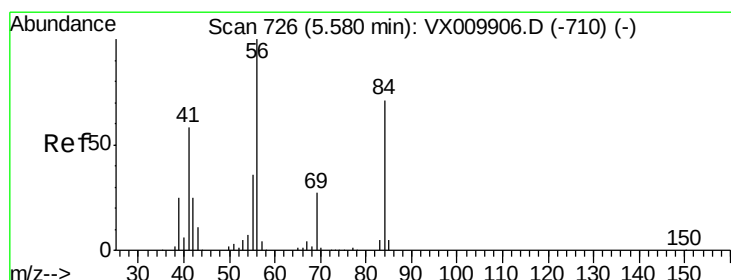
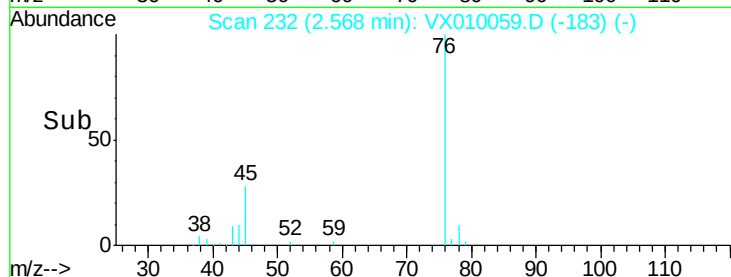
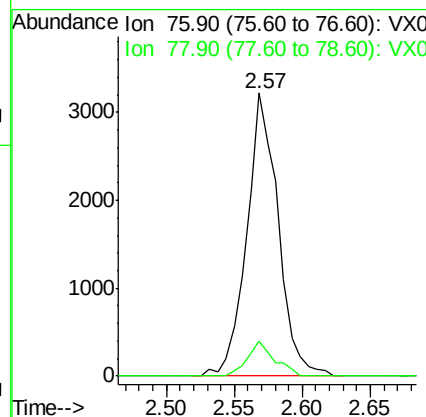
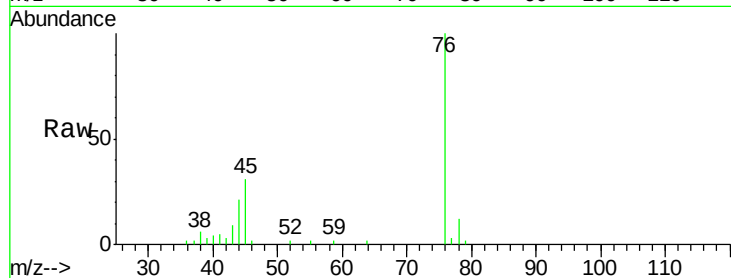
76 100

78 12.2 7.0 10.6#

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#31

Cyclohexane

Concen: 3.867 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

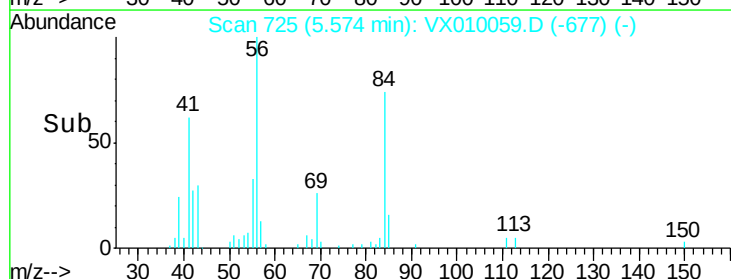
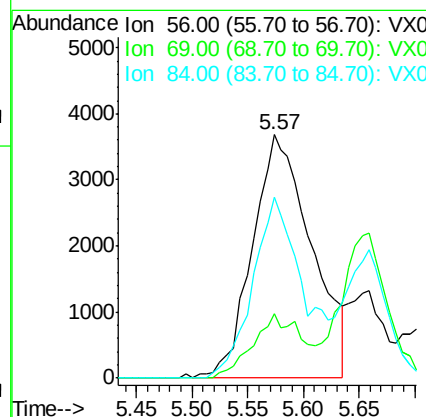
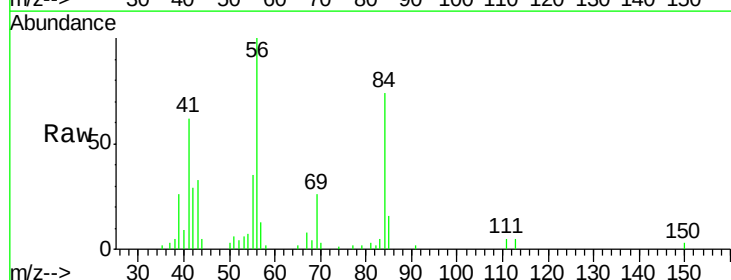
Tgt Ion: 56 Resp: 13560

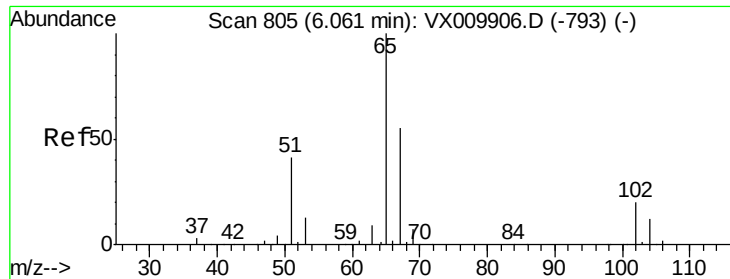
Ion Ratio Lower Upper

56 100

69 26.8 21.6 32.4

84 75.5 56.8 85.2





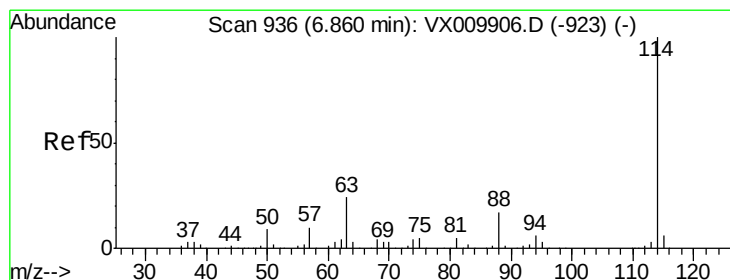
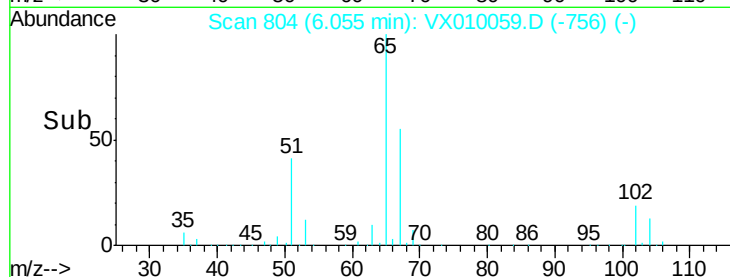
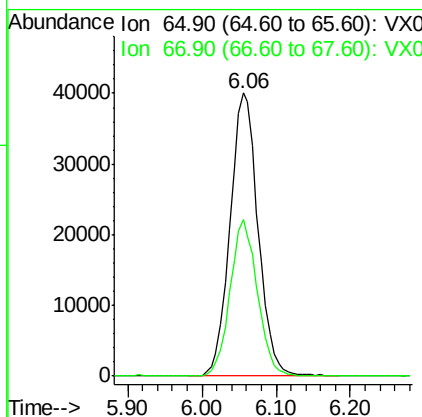
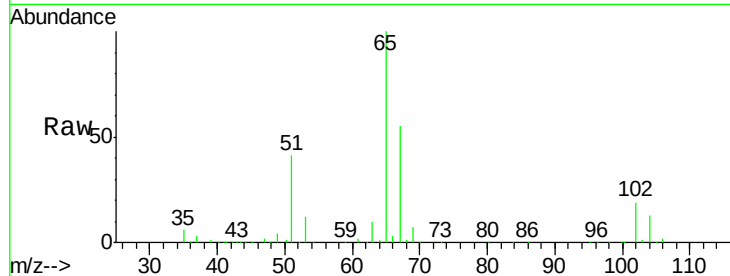
#33
 1,2-Dichloroethane-d4
 Concen: 45.787 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010059.D
 Acq: 04 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampled :
 40061

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105512		
67	54.0	0.0	108.4	

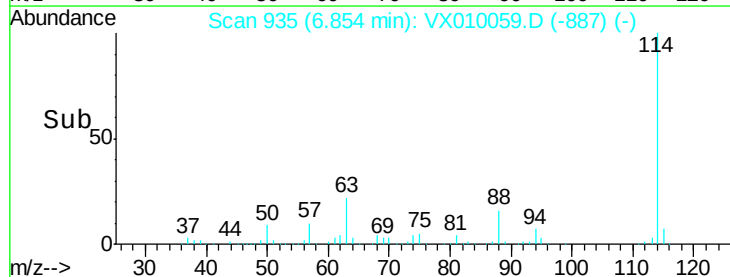
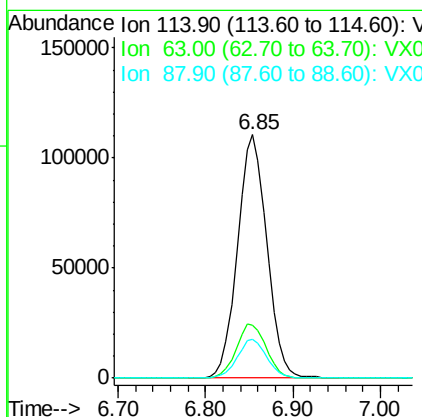
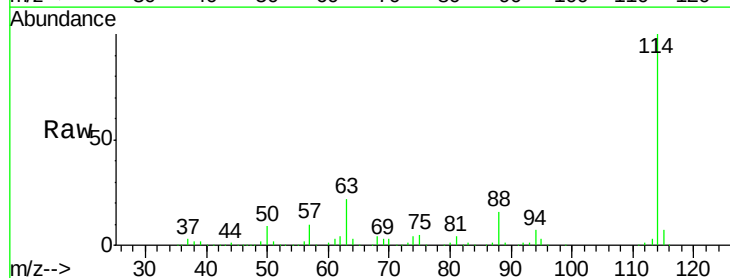
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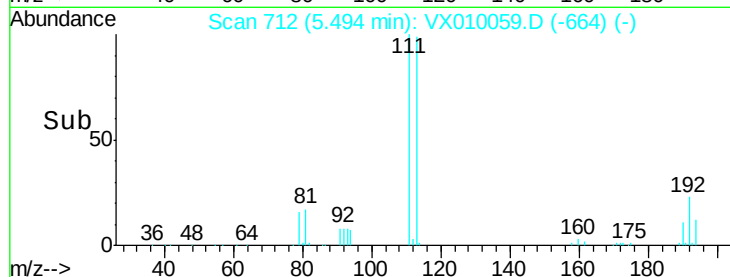
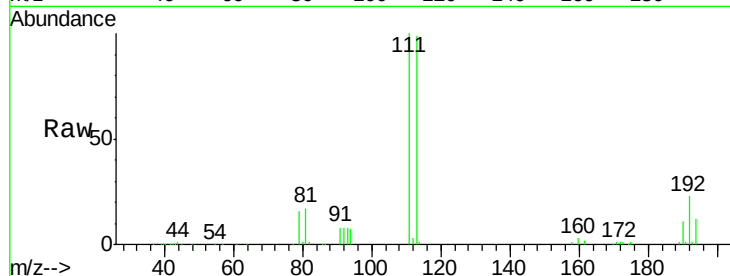
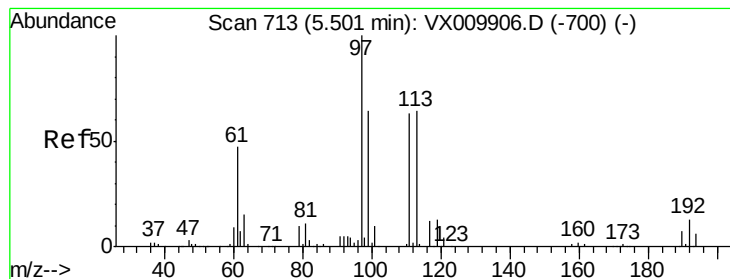
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010059.D
 Acq: 04 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	257943		
63	21.9	0.0	47.4	
88	16.0	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.946 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Tot Ion:	113	Resp:	79376
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	22.0	17.1	25.7

Instrument :

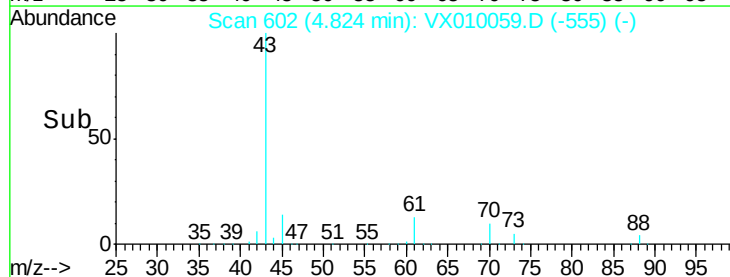
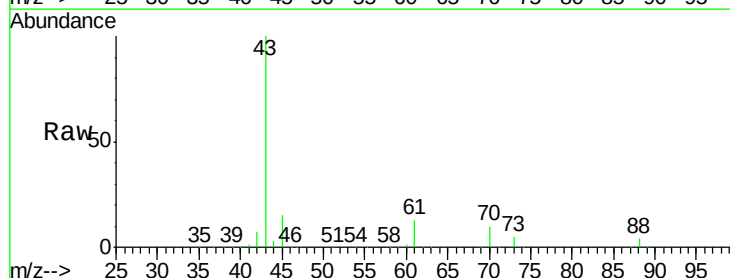
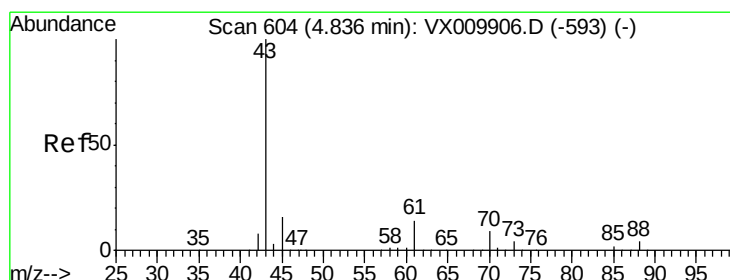
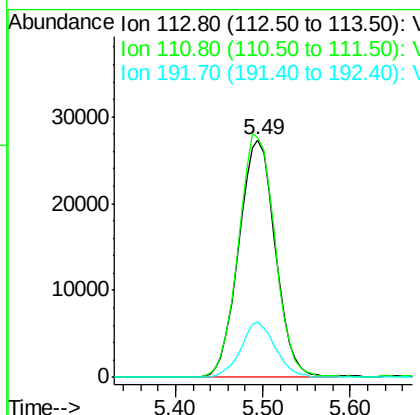
MSVOA_X

ClientSampled :

40061

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#37

Ethyl Acetate

Concen: 78.653 ug/l

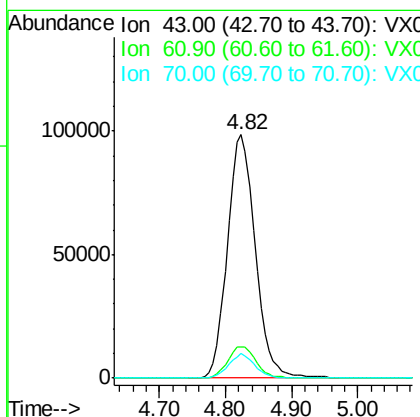
RT: 4.82 min Scan# 602

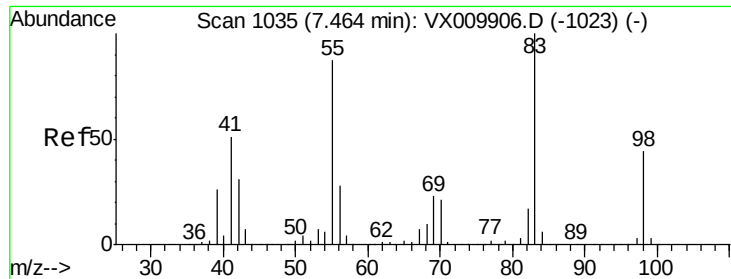
Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Tgt Ion:	43	Resp:	286818
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.2
70	9.5	7.4	11.2





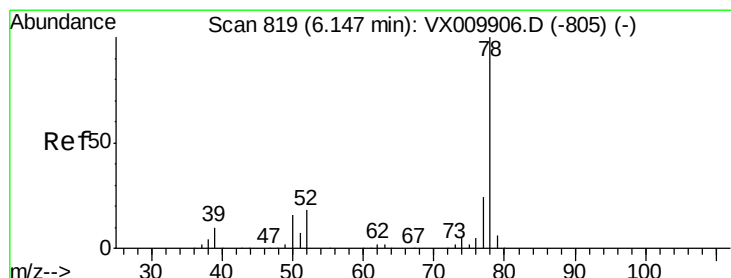
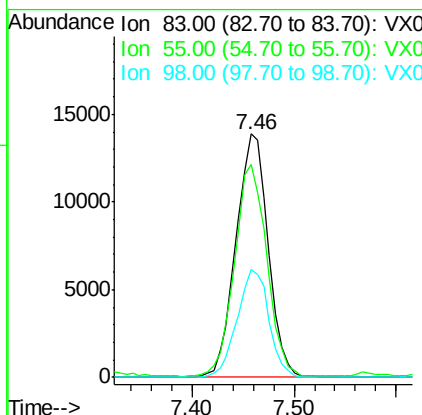
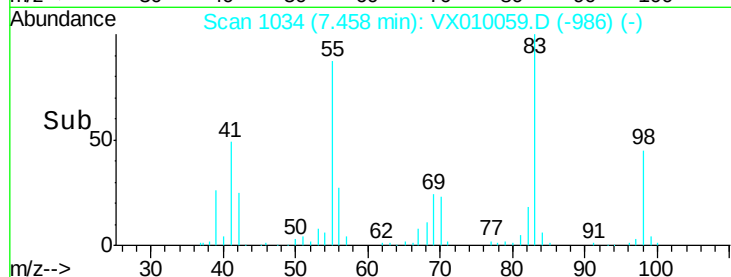
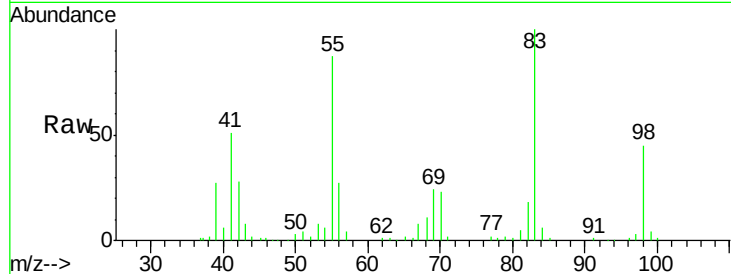
#39
Methylvlcyclohexane
Concen: 9.805 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampled :
40061

Tot Ion	83	Resp	30440
Ion Ratio	Lower	Upper	
83	100		
55	86.9	69.9	104.9
98	44.5	35.1	52.7

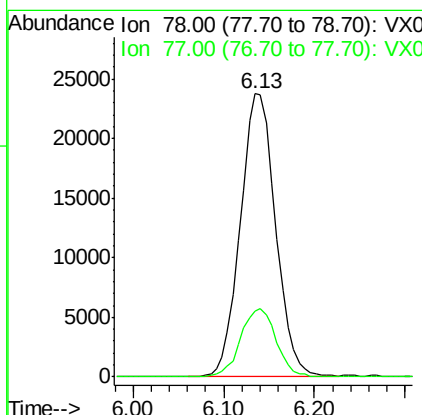
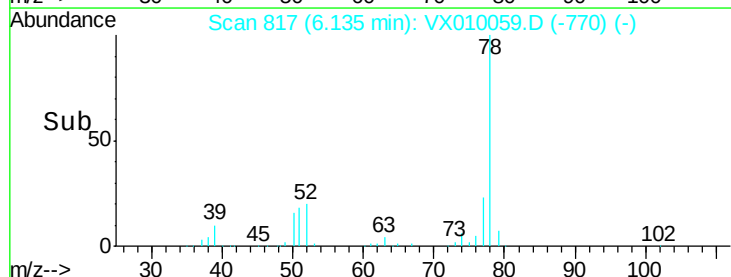
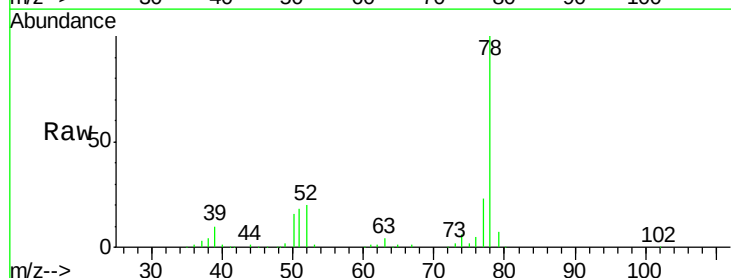
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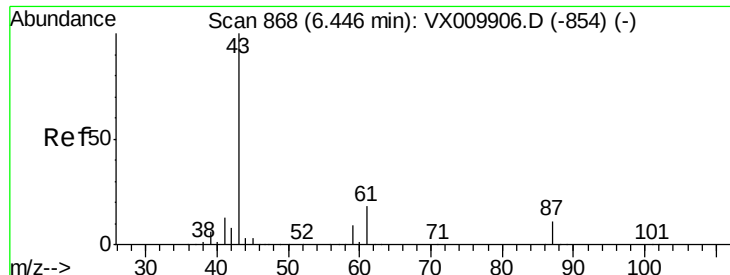
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#40
Benzene
Concen: 8.248 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Tgt Ion	78	Resp	64034
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.2	28.8





#43

Isopropyl Acetate

Concen: 46.101 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

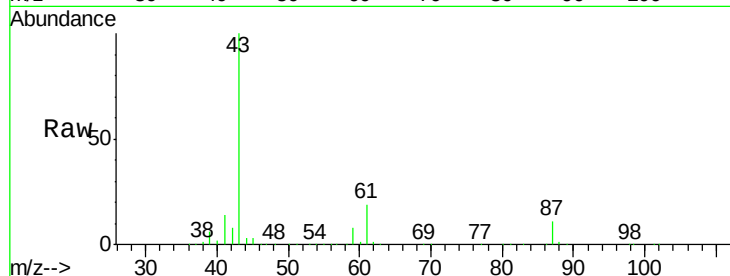
ClientSampled :

40061

Tot Ion:	43	Resp:	271260
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.1	8.7	13.1

Manual Integrations
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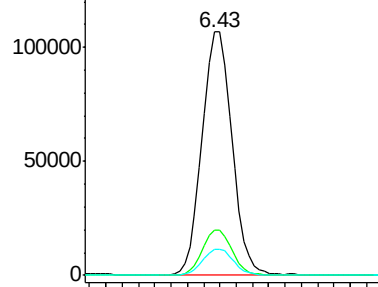
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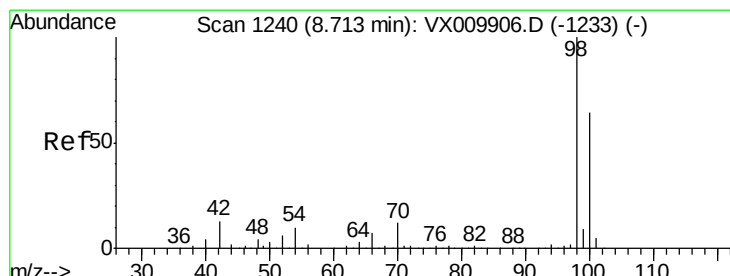
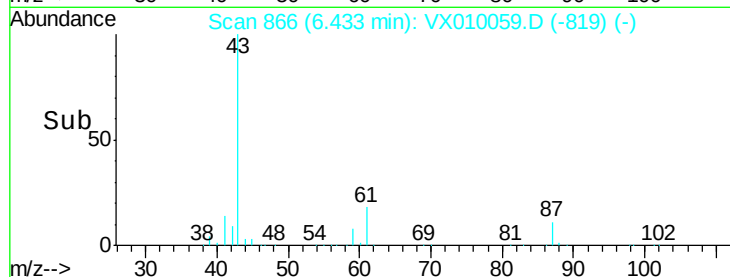
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.476 ug/l

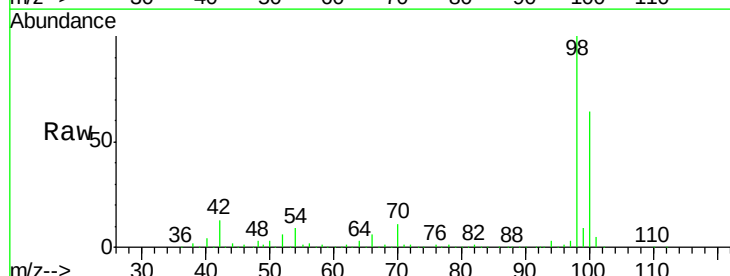
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010059.D

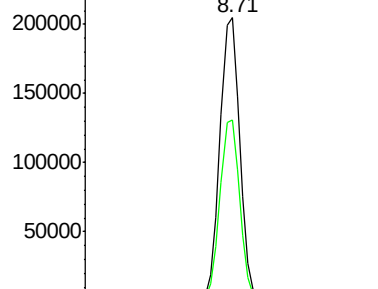
Acq: 04 Jun 2019 15:39

Tgt Ion:	98	Resp:	325816
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3

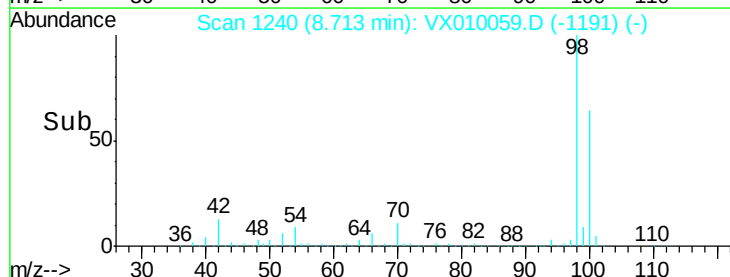


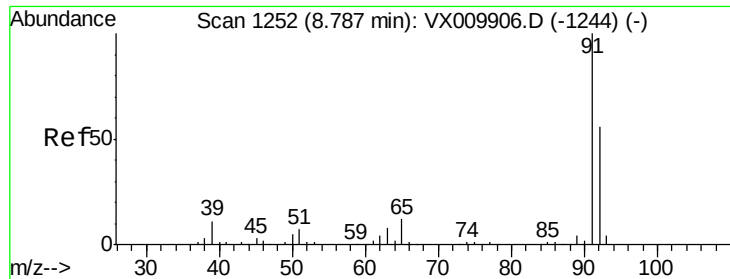
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#52

Toluene

Concen: 28.101 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

40061

Tot Ion: 92 Resp: 132462

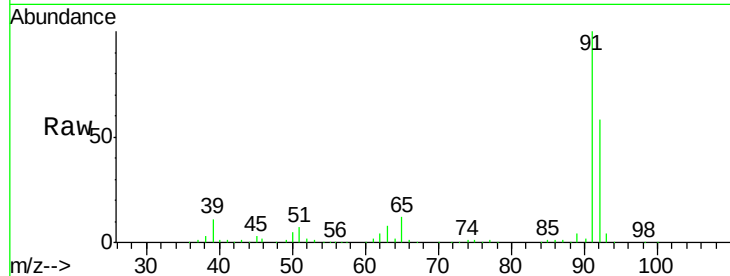
Ion Ratio Lower Upper

92 100

91 172.6 139.9 209.9

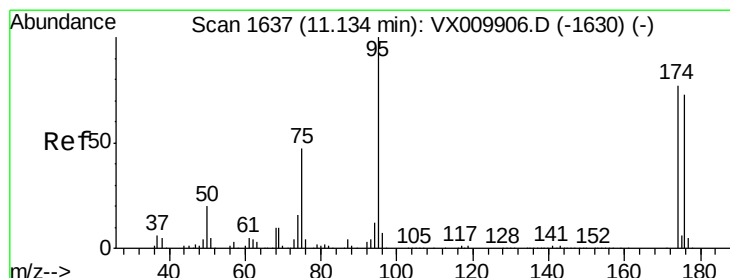
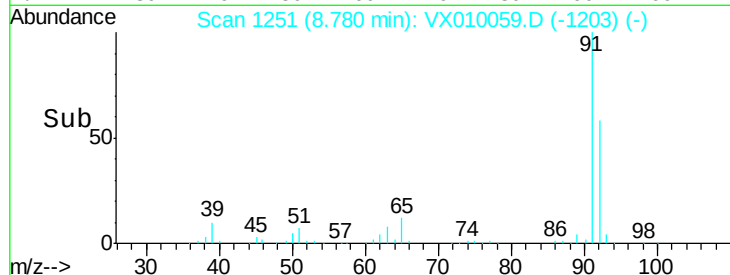
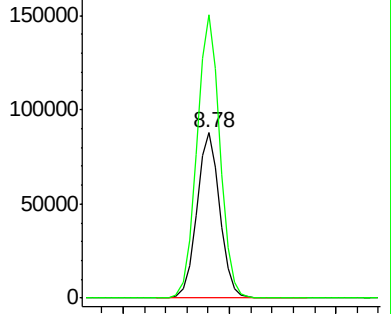
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

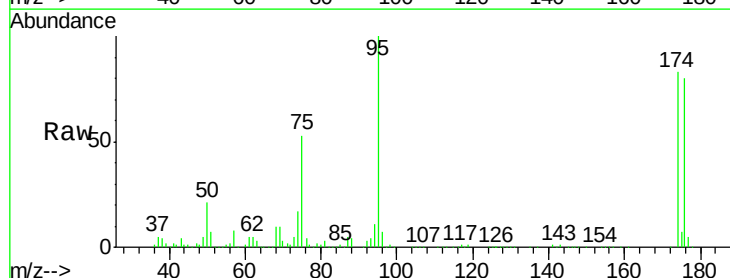
Tgt Ion: 95 Resp: 111887

Ion Ratio Lower Upper

95 100

174 83.8 0.0 160.4

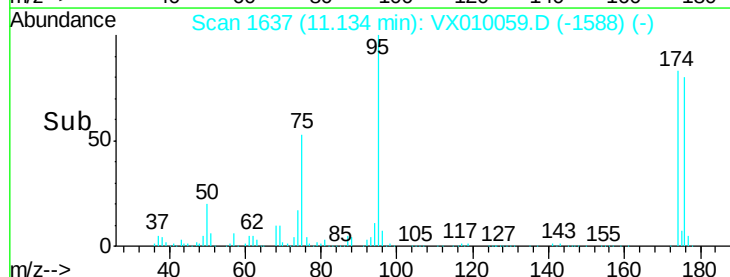
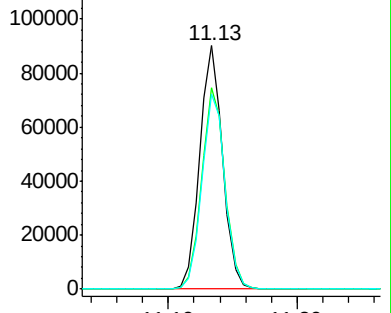
176 81.2 0.0 154.6

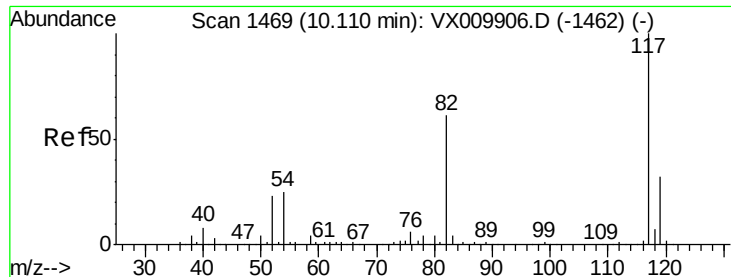


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





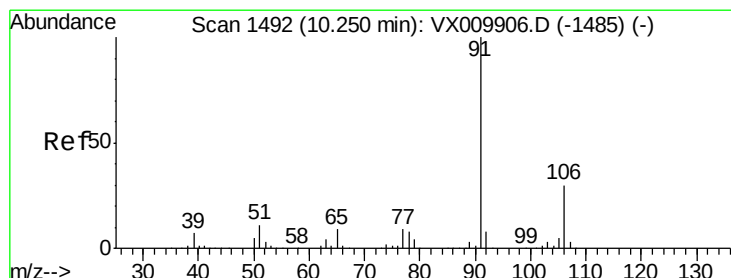
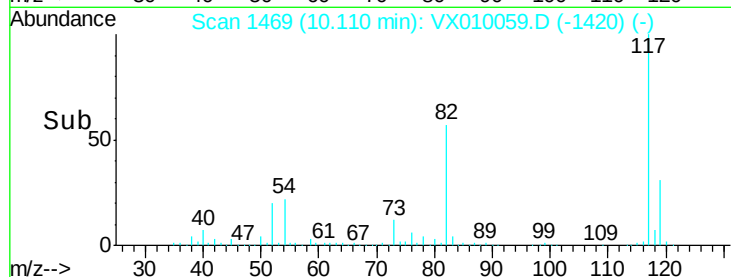
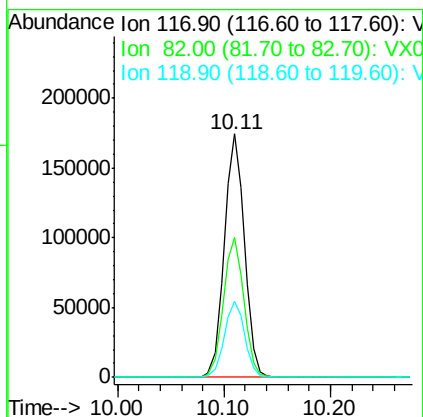
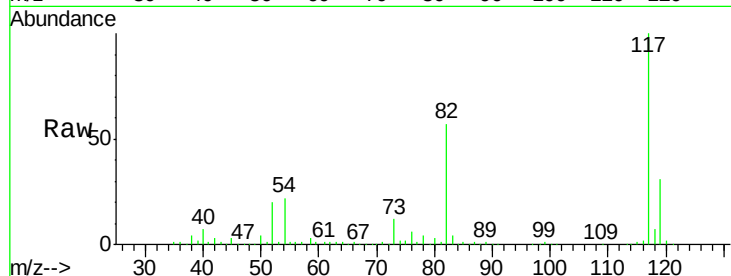
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
40061

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	49.2	73.8
119	31.3	25.2	37.8

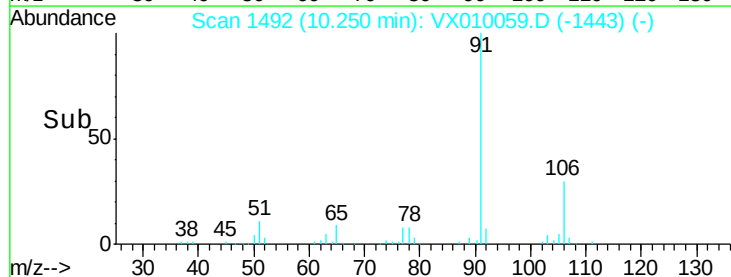
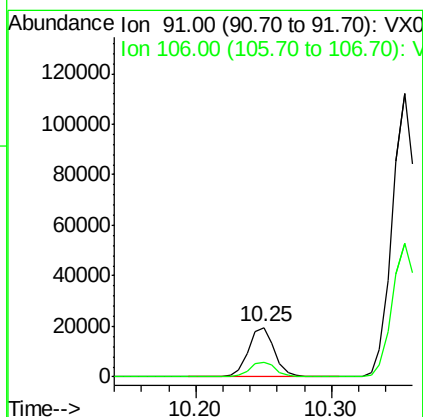
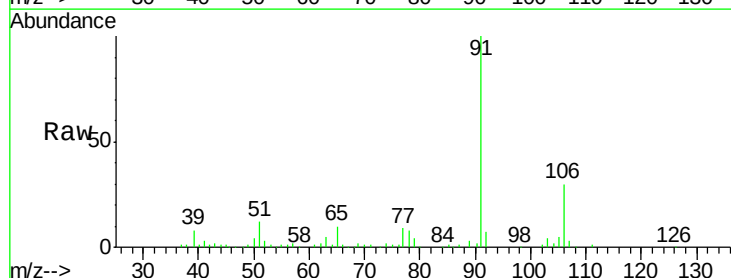
Manual Integrations
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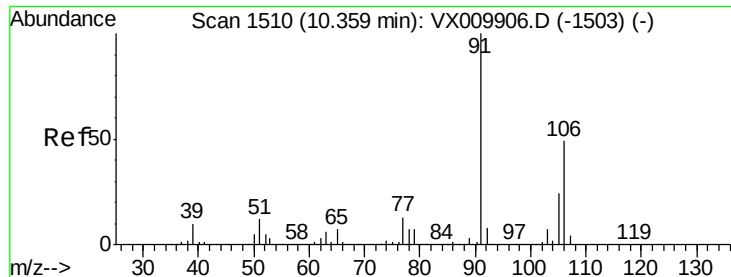
MMDadoda
6/5/2019 9:26:45 AM



#67
Ethyl Benzene
Concen: 3.047 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9





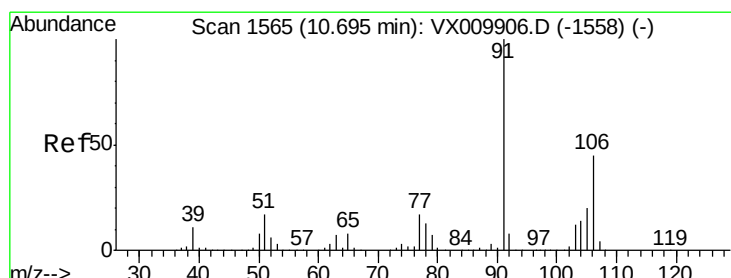
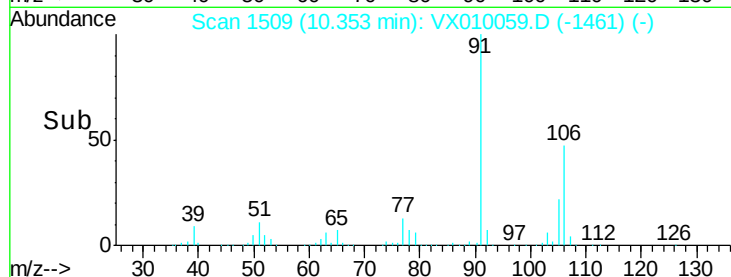
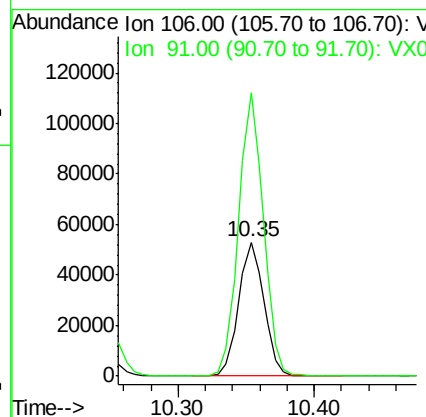
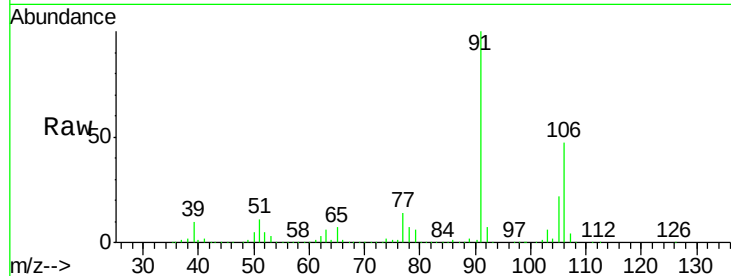
#68
m/p-Xylenes
Concen: 21.380 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampled :
40061

Tot Ion:106 Resp: 68679
Ion Ratio Lower Upper
106 100
91 207.8 167.3 250.9

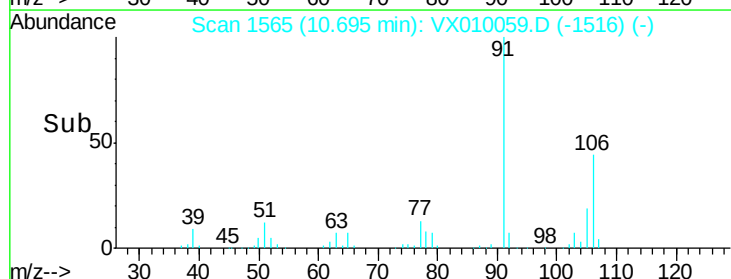
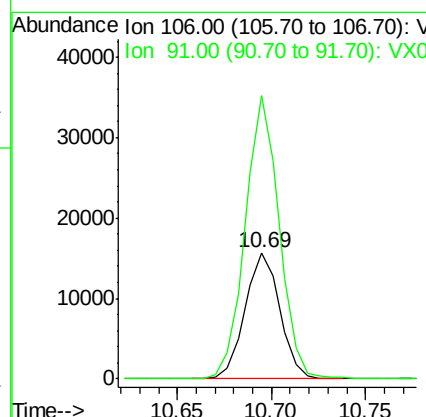
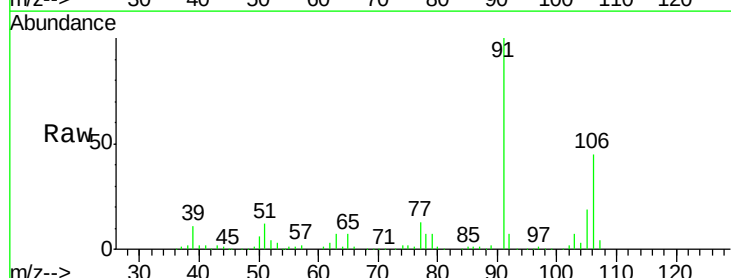
Manual Integrations
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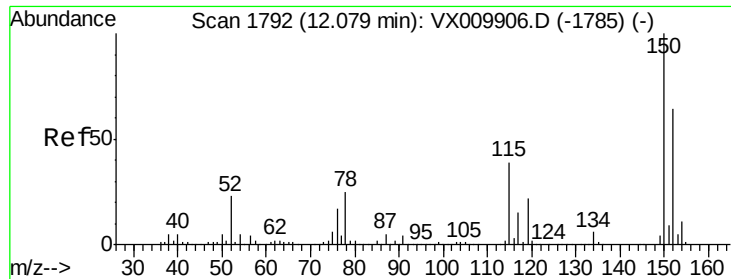
MMDadoda
6/5/2019 9:26:45 AM



#69
o-Xylene
Concen: 6.524 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Tgt Ion:106 Resp: 20100
Ion Ratio Lower Upper
106 100
91 219.9 110.4 331.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

40061

Tot Ion:152 Resp: 106970

Ion Ratio Lower Upper

152 100

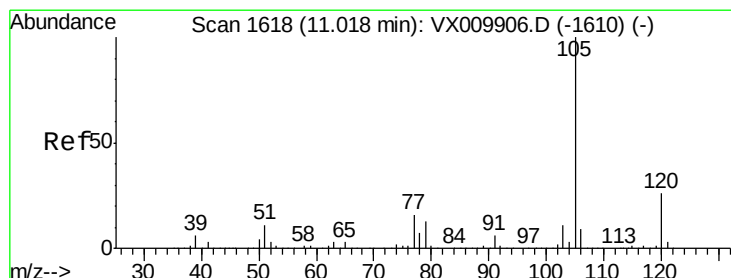
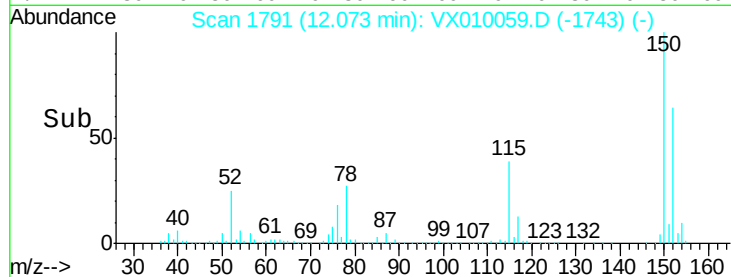
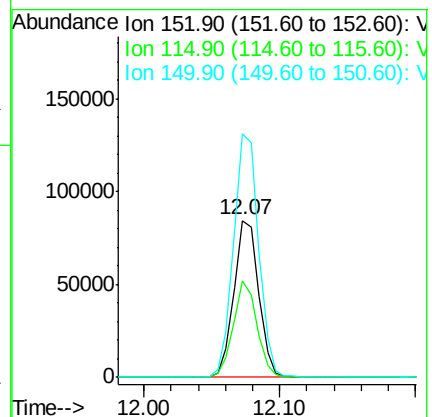
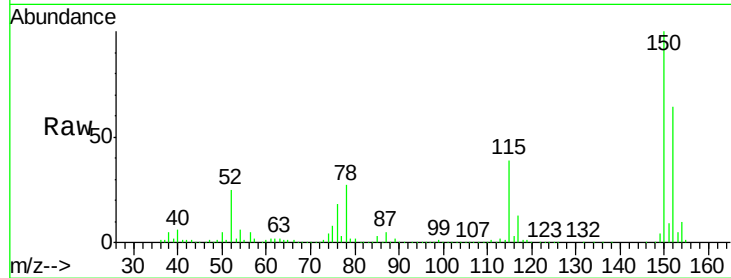
115 58.3 41.4 124.2

150 157.5 0.0 345.2

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#73

Isopropylbenzene

Concen: 0.696 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX010059.D

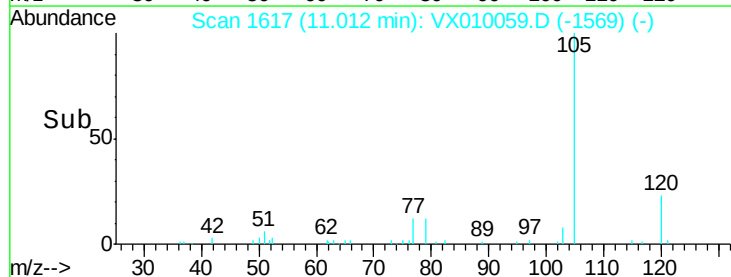
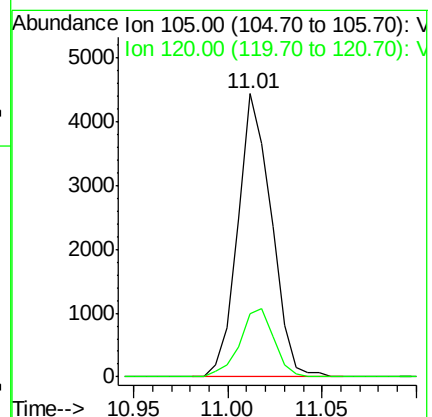
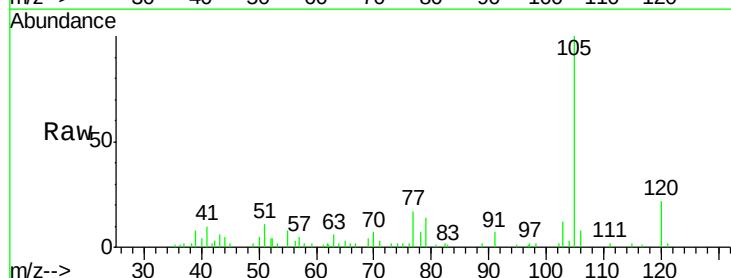
Acq: 04 Jun 2019 15:39

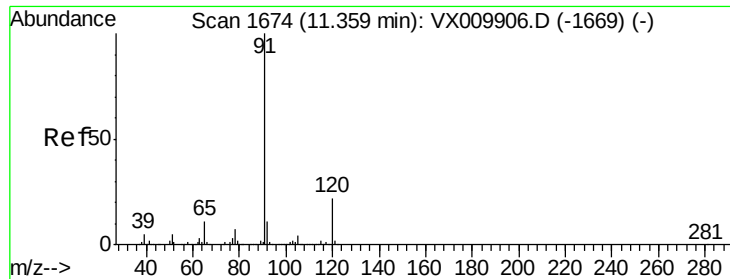
Tgt Ion:105 Resp: 5491

Ion Ratio Lower Upper

105 100

120 24.4 12.8 38.4





#78

n-propylbenzene

Concen: 0.732 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX010059.D

Acq: 04 Jun 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

40061

Tot Ion: 91 Resp: 6656

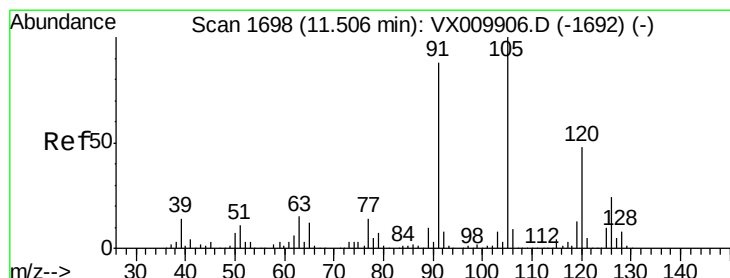
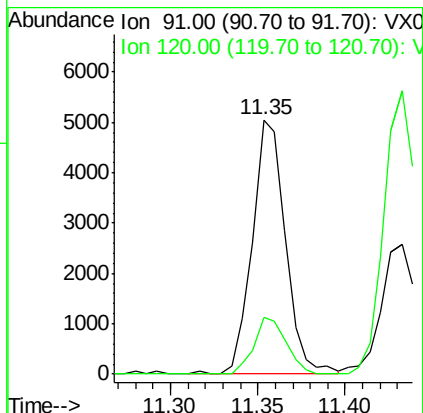
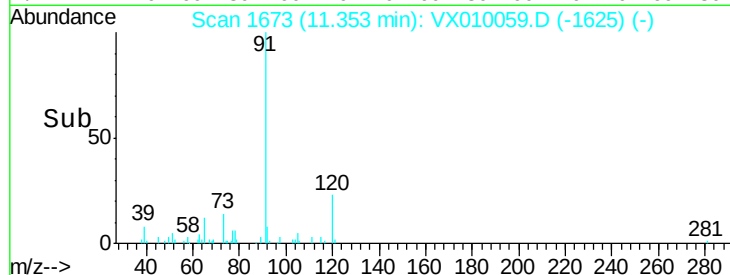
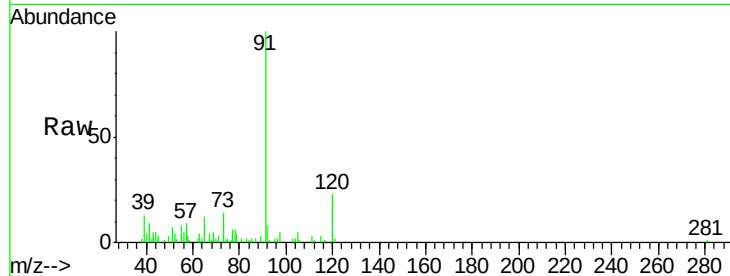
Ion Ratio Lower Upper

91 100

120 21.6 11.1 33.3

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#80

1,3,5-Trimethylbenzene

Concen: 3.645 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010059.D

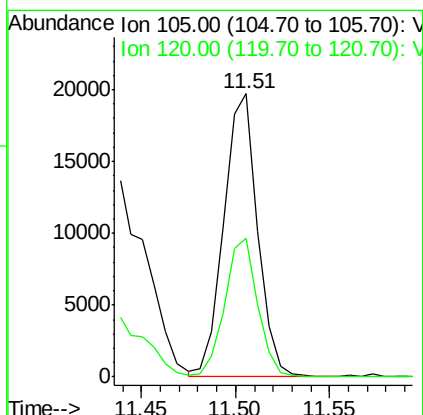
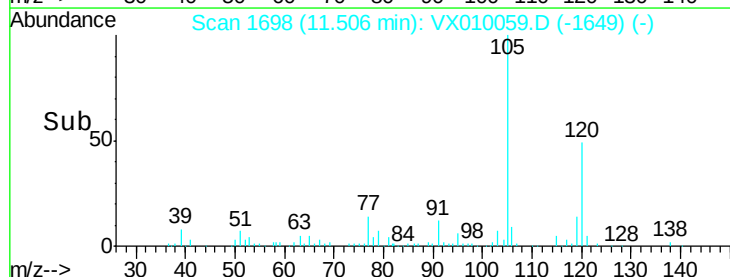
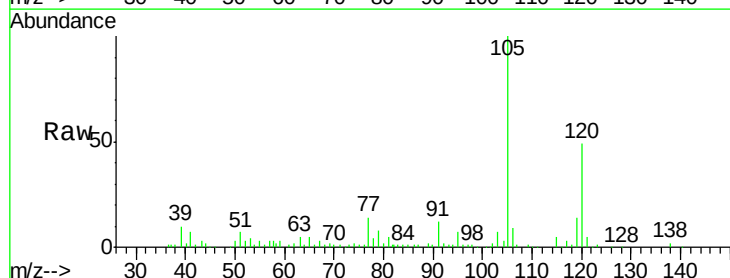
Acq: 04 Jun 2019 15:39

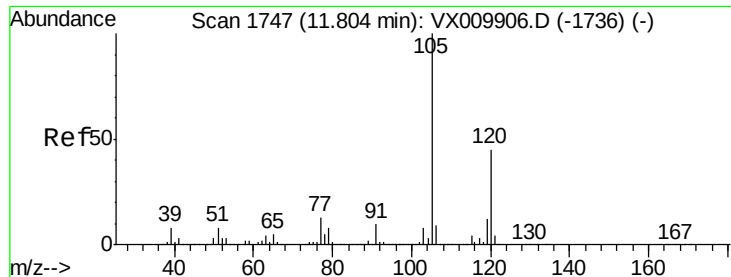
Tgt Ion: 105 Resp: 24238

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3





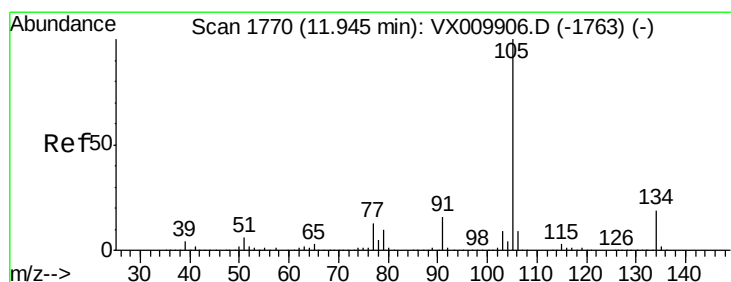
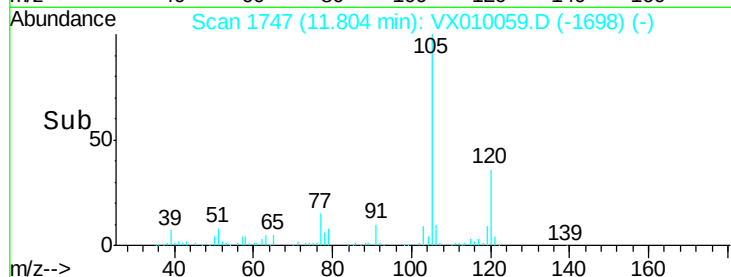
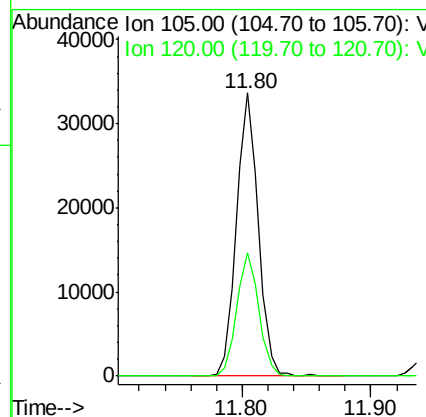
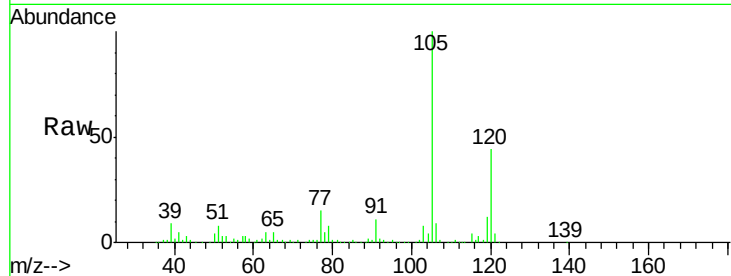
#84
 1,2,4-Trimethylbenzene
 Concen: 5.914 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010059.D
 Acq: 04 Jun 2019 15:39

Instrument :
 MSVOA_X
 ClientSampled :
 40061

Tot Ion:105 Resp: 39937
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.1

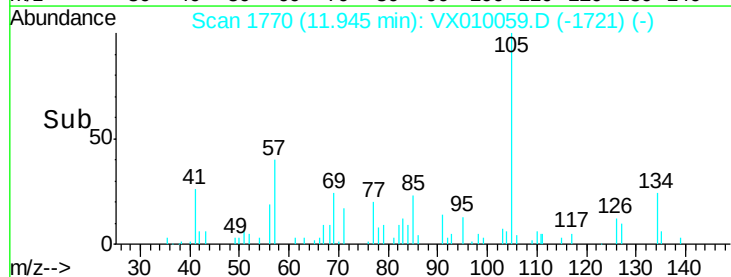
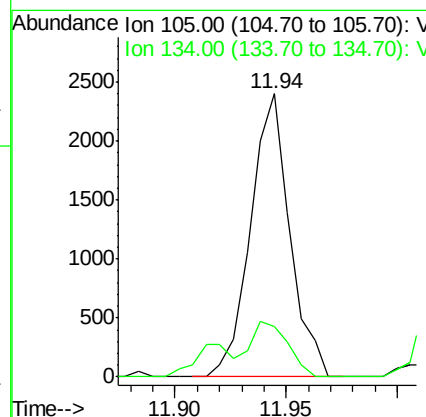
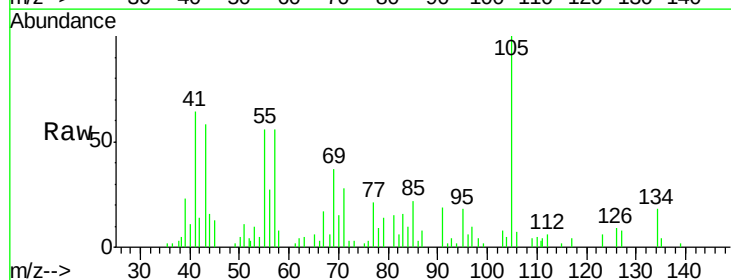
Manual Integrations
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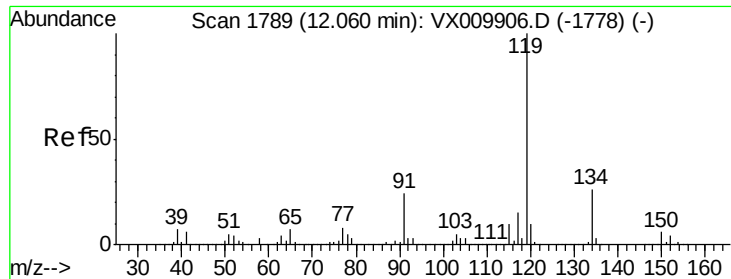
MMDadoda
 6/5/2019 9:26:45 AM



#85
 sec-Butylbenzene
 Concen: 0.390 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010059.D
 Acq: 04 Jun 2019 15:39

Tgt Ion:105 Resp: 2955
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.7 28.9





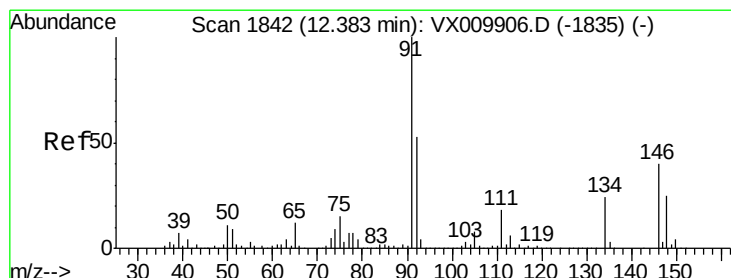
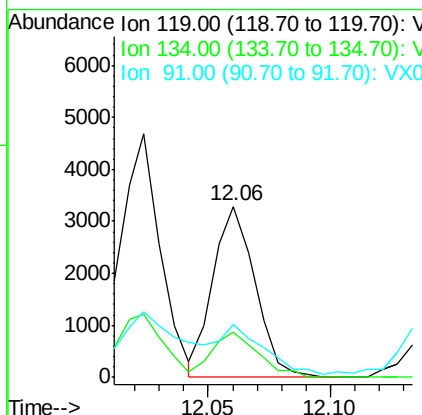
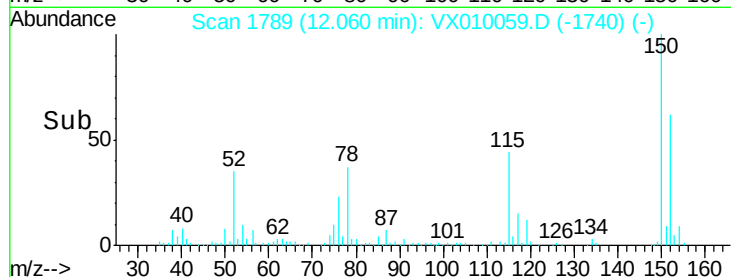
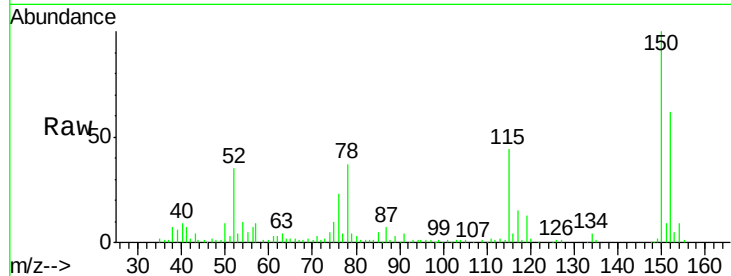
#86
p-Isopropyltoluene
Concen: 0.578 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
40061

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3933		
134	28.9	12.9	38.6	
91	30.5	11.9	35.9	

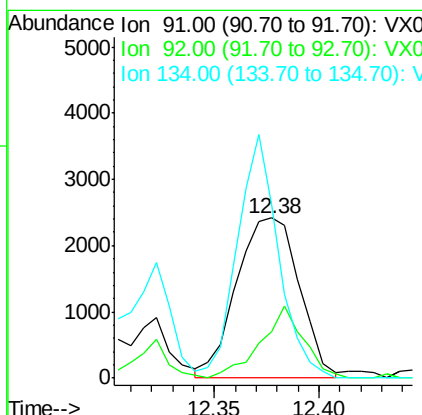
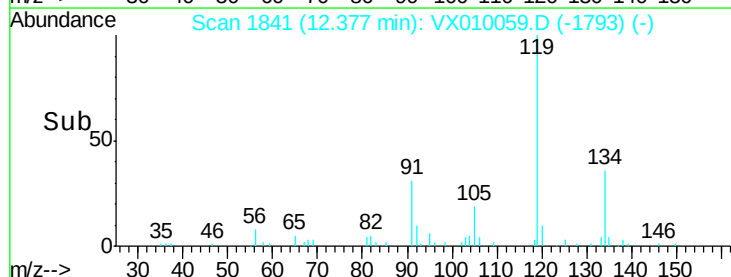
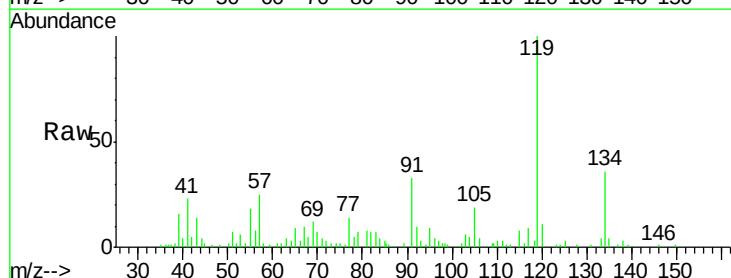
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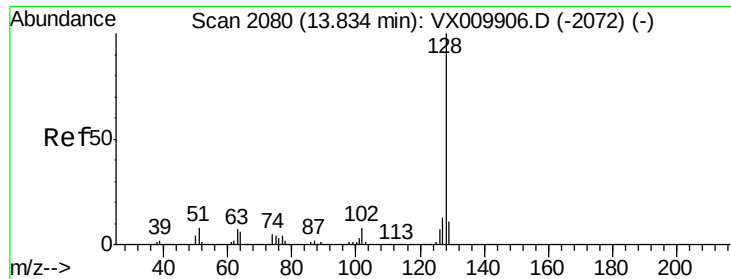
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#89
n-Butylbenzene
Concen: 0.784 ug/l m
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	5013		
92	4.1	26.3	78.8#	
134	5.0	12.3	36.8#	





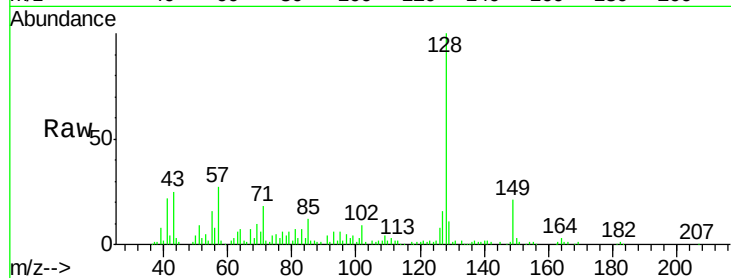
#95
Naphthalene
Concen: 3.013 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010059.D
Acq: 04 Jun 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
40061

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.6	16.0#
129	12.7	8.8	13.2

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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

