

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062119\
 Data File : VX010389.D
 Acq On : 21 Jun 2019 16:58
 Operator : JC/SP
 Sample : K3469-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-061919-01

Manual Integrations
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MMDadoda
 6/24/2019 11:23:22 AM

Quant Time: Jul 01 01:03:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	278141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	385658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181422	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	129203	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
35) Dibromofluoromethane	5.50	113	130098	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	500869	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	173451	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	6124	8.974	ug/l #	93
16) Acetone	2.44	43	17489	13.381	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	92283	12.168	ug/l	96
39) Methylcyclohexane	7.46	83	4390	0.985	ug/l	93
40) Benzene	6.15	78	7434	0.704	ug/l	95
73) Isopropylbenzene	11.02	105	29674	2.413	ug/l	100
78) n-propylbenzene	11.36	91	36925	2.732	ug/l	98
83) tert-Butylbenzene	11.77	119	3805	0.374	ug/l	83
85) sec-Butylbenzene	11.94	105	17055	1.427	ug/l	84
89) n-Butylbenzene	12.39	91	3158m	0.336	ug/l	
95) Naphthalene	13.83	128	47639	3.752	ug/l	98

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

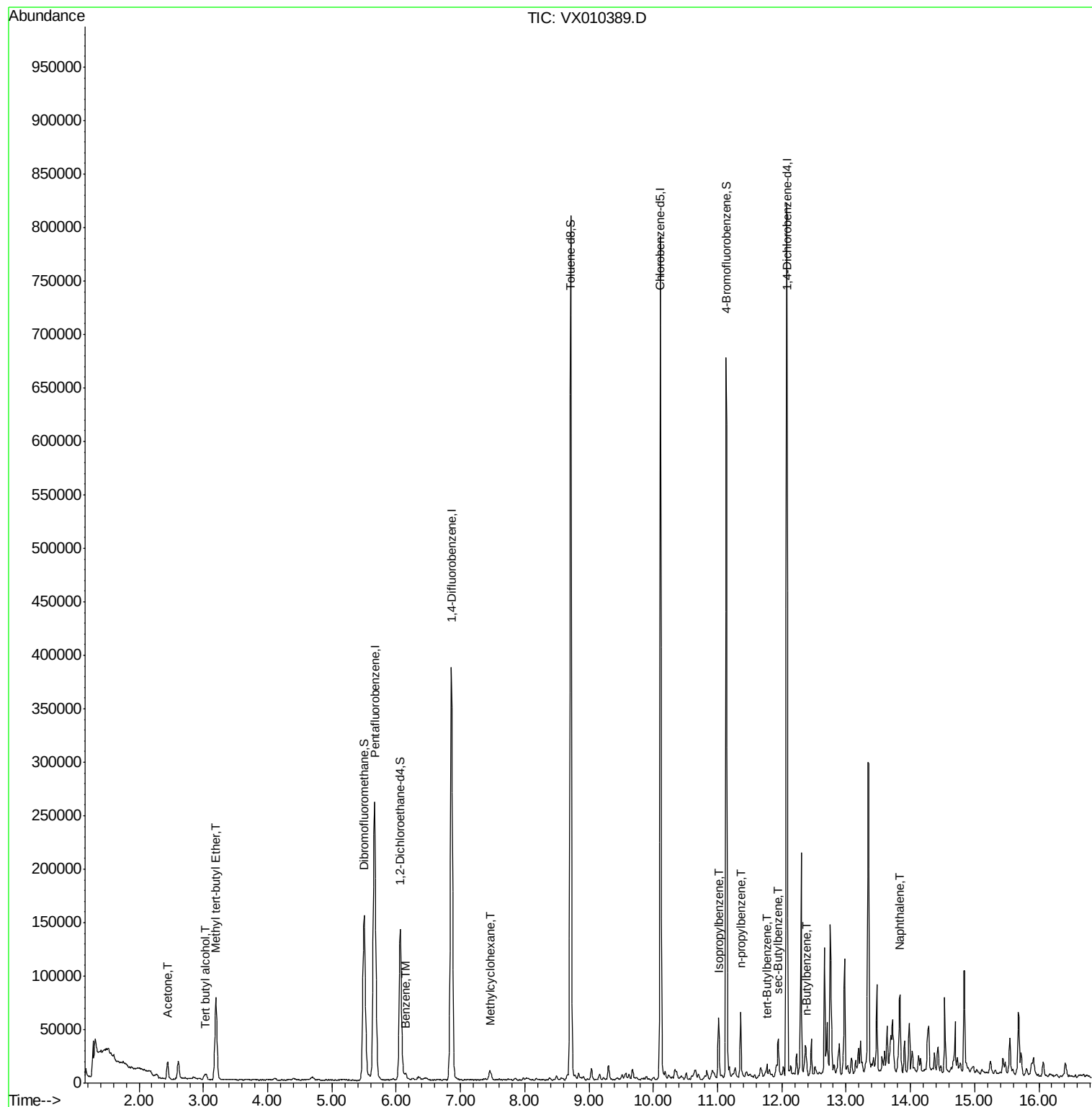
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062119\
Data File : VX010389.D
Acq On : 21 Jun 2019 16:58
Operator : JC/SP
Sample : K3469-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

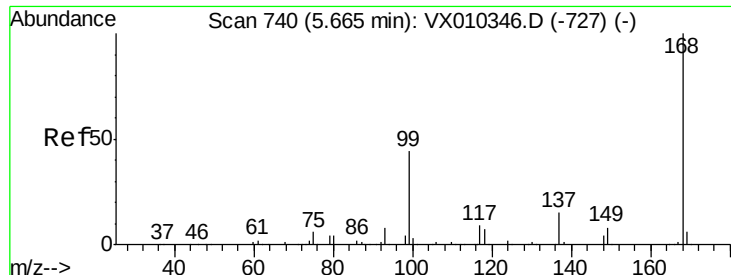
Instrument :
MSVOA_X
ClientSampleId :
DUP-061919-01

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6/24/2019 11:23:22 AM

Quant Time: Jul 01 01:03:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-061919-01

Tot Ion:168 Resp: 278141

Ion Ratio Lower Upper

168 100

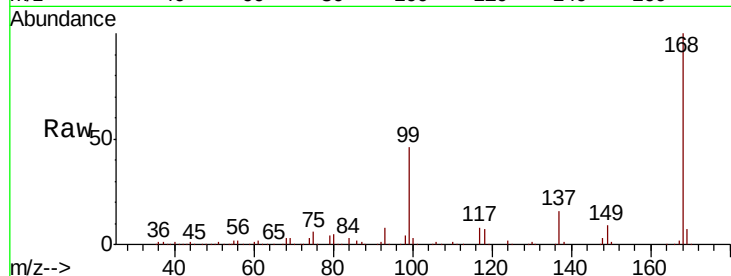
99 45.9 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

40000

20000

0

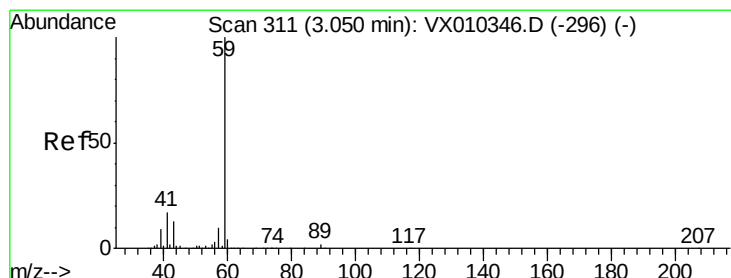
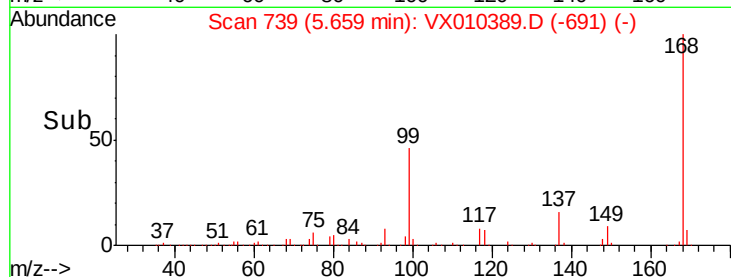
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 8.974 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010389.D

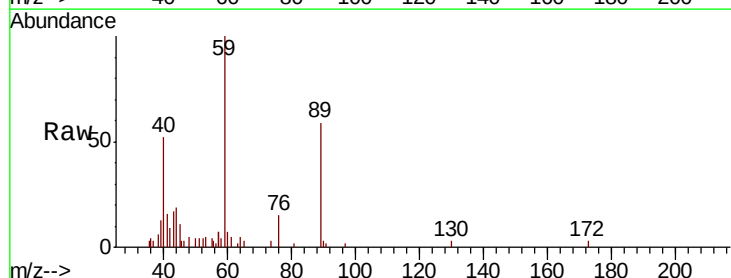
Acq: 21 Jun 2019 16:58

Tgt Ion: 59 Resp: 6124

Ion Ratio Lower Upper

59 100

57 12.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

8000

6000

4000

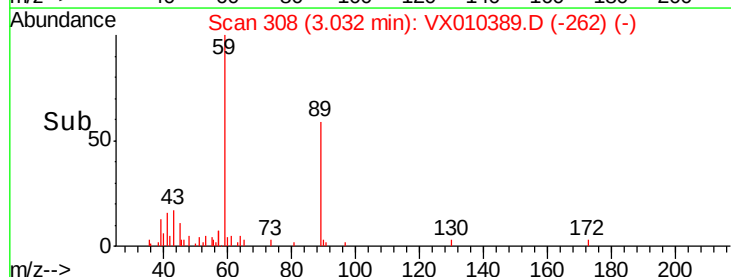
2000

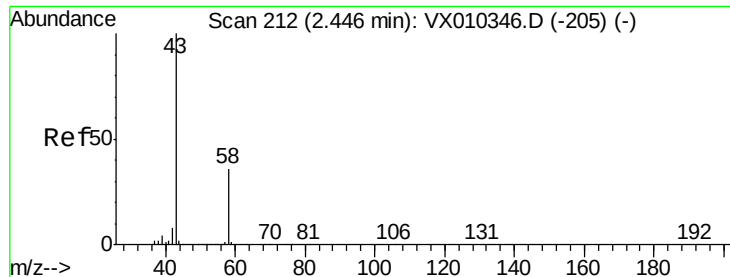
0

Time-->

3.00

3.10





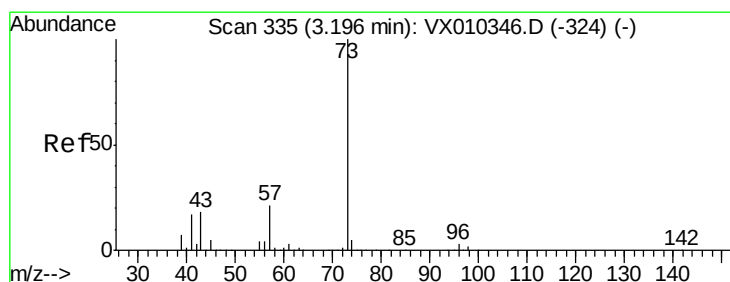
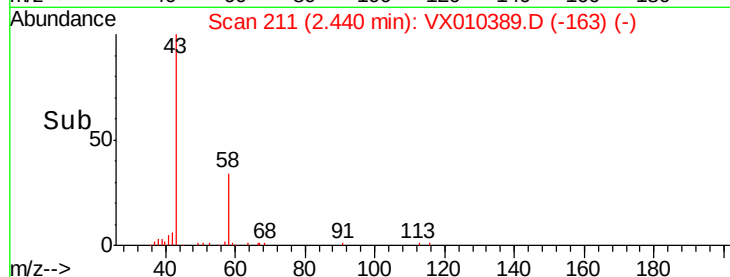
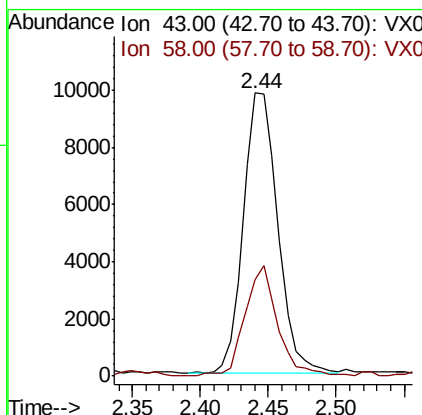
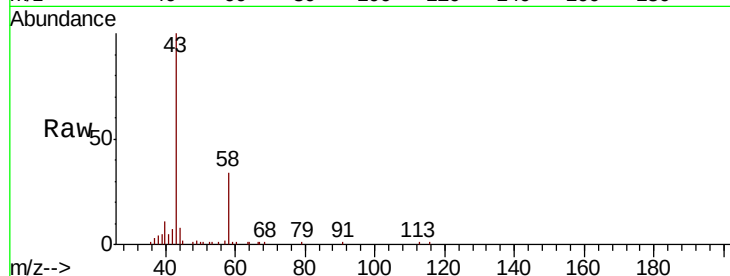
#16
Acetone
Concen: 13.381 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010389.D
Acq: 21 Jun 2019 16:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-061919-01

Tot Ion	43	Resp	17489
Ion Ratio	100	Lower	Upper
58	34.4	28.9	43.3

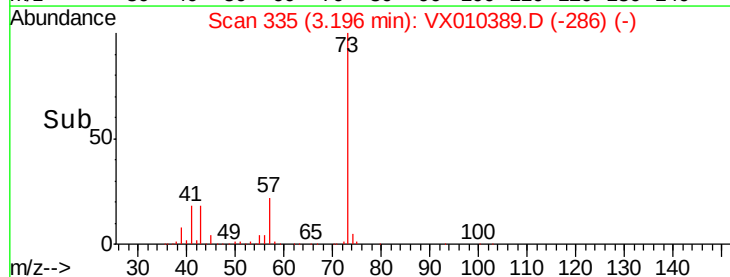
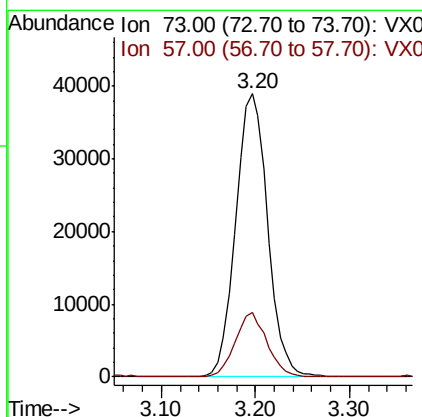
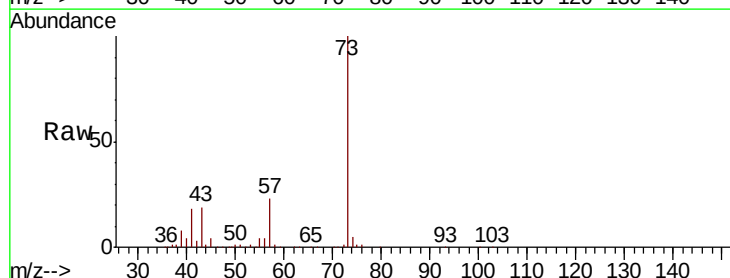
Manual Integrations
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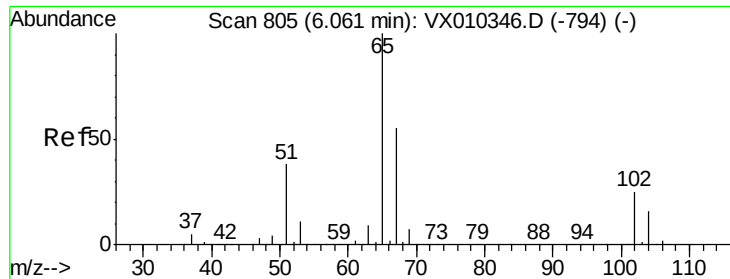
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#19
Methyl tert-butyl Ether
Concen: 12.168 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010389.D
Acq: 21 Jun 2019 16:58

Tgt Ion	73	Resp	92283
Ion Ratio	100	Lower	Upper
57	22.4	16.4	24.6





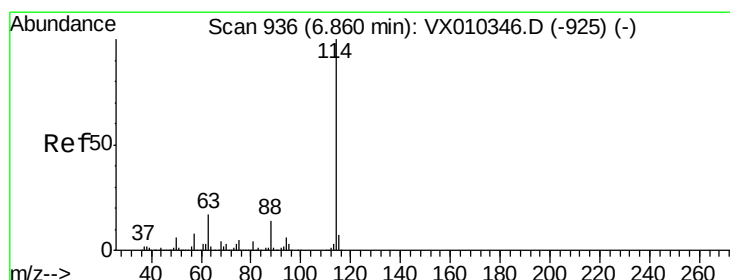
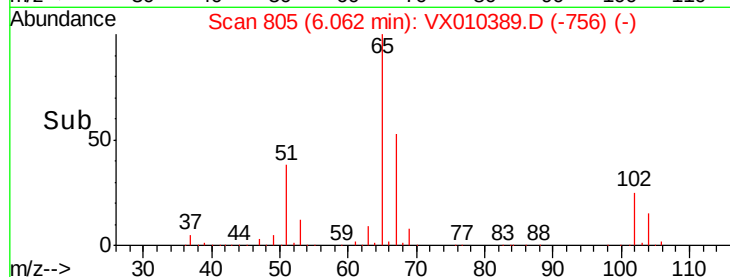
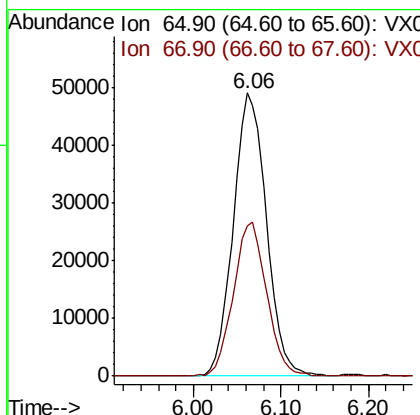
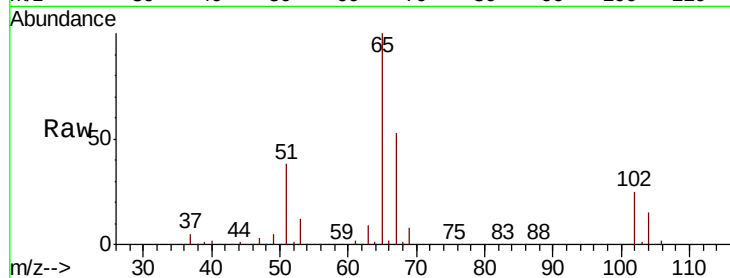
#33
 1,2-Dichloroethane-d4
 Concen: 49.544 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010389.D
 Acq: 21 Jun 2019 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-061919-01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2

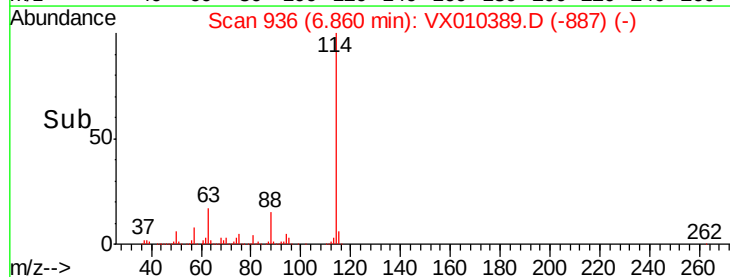
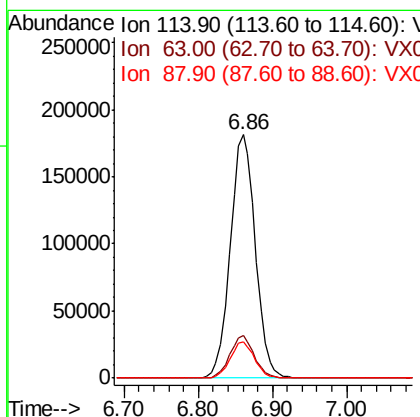
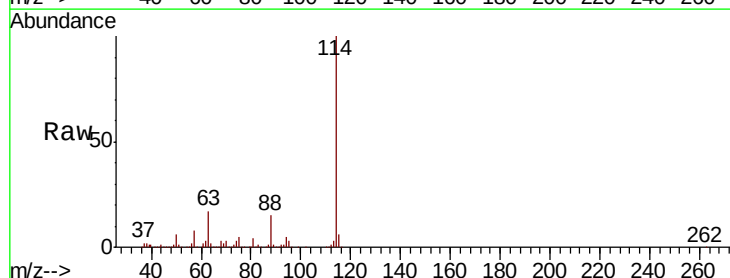
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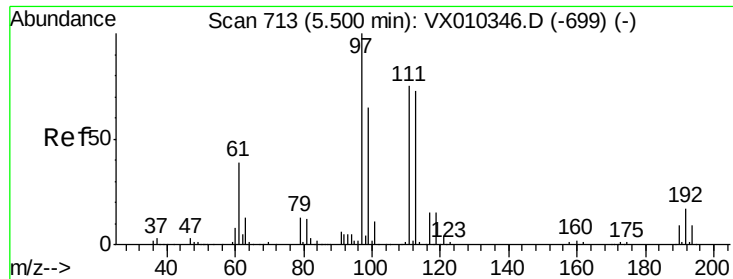
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010389.D
 Acq: 21 Jun 2019 16:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	33.8
88	14.7	0.0	27.6





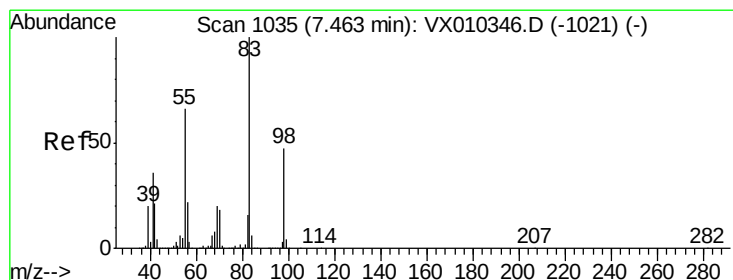
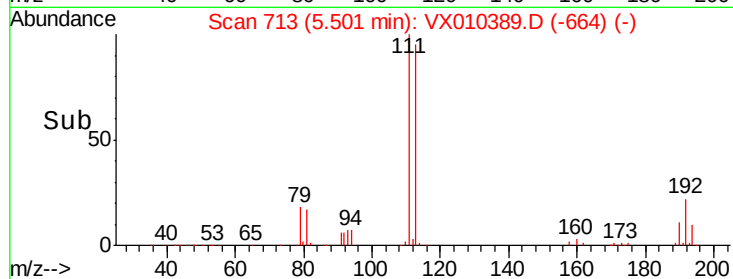
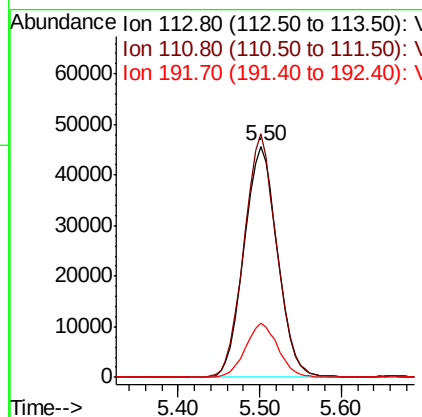
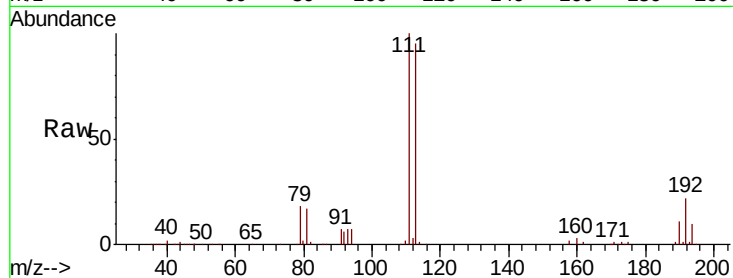
#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010389.D
Acq: 21 Jun 2019 16:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-061919-01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130098		
111	103.3	81.2	121.8	
192	22.8	18.6	27.8	

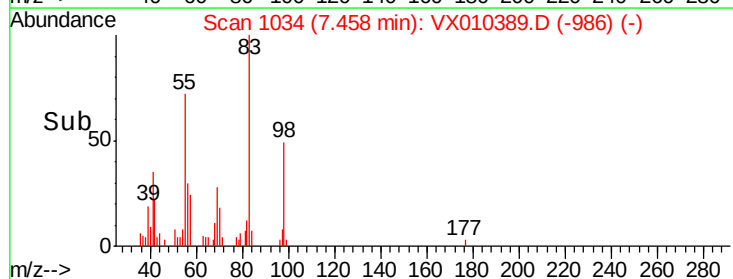
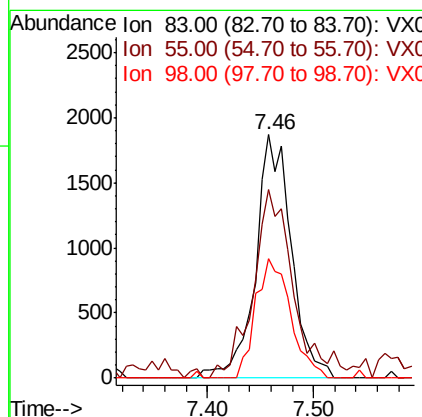
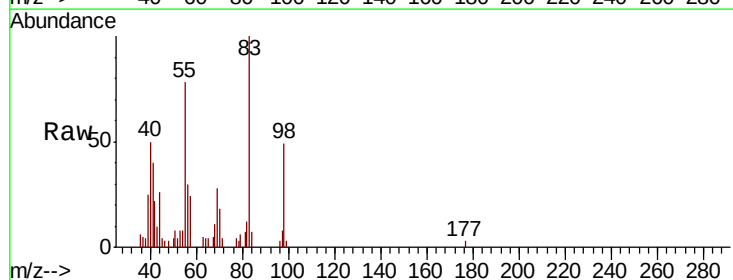
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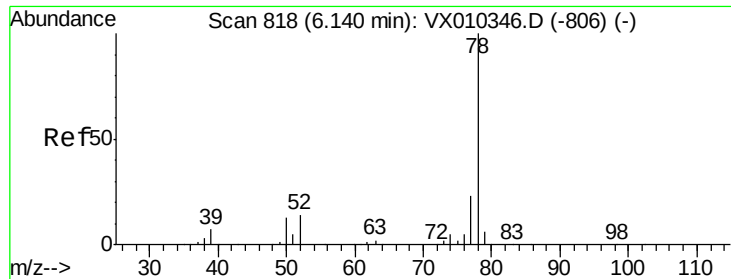
MMDadoda
6/24/2019 11:23:22 AM



#39
Methylcyclohexane
Concen: 0.985 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010389.D
Acq: 21 Jun 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4390		
55	74.9	53.0	79.6	
98	48.8	37.8	56.8	





#40

Benzene

Concen: 0.704 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-061919-01

Tot Ion: 78 Resp: 7434

Ion Ratio Lower Upper

78 100

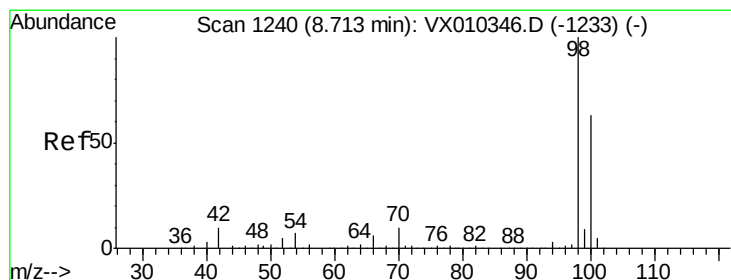
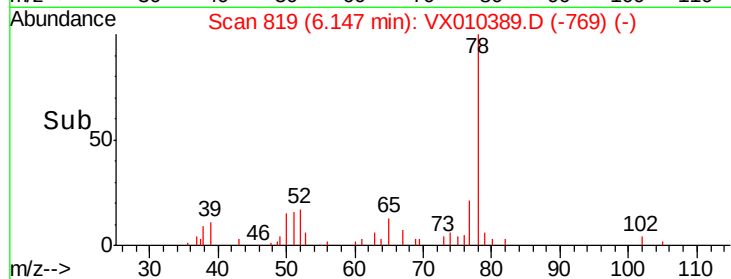
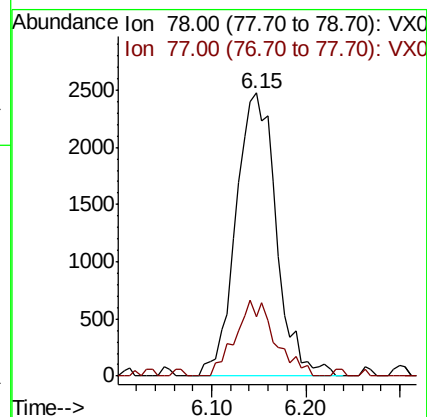
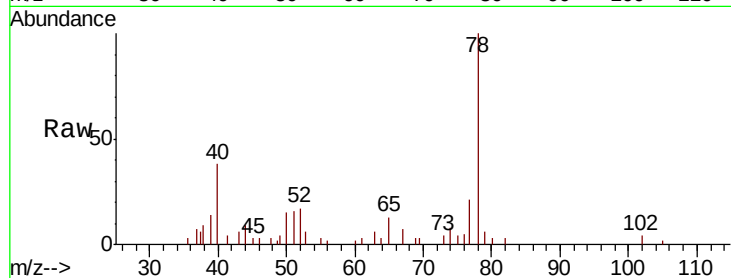
77 20.9 18.6 28.0

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#50

Toluene-d8

Concen: 50.146 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010389.D

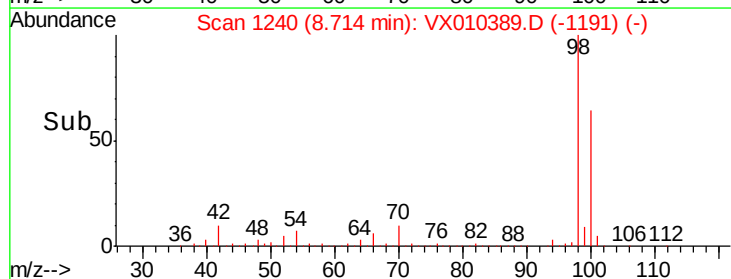
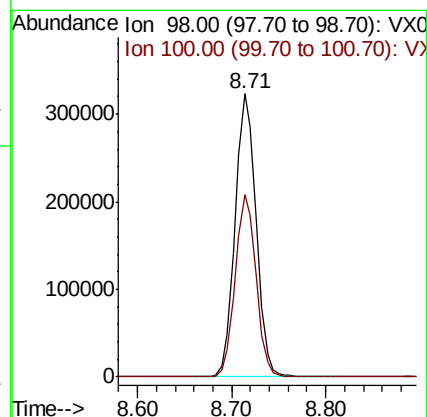
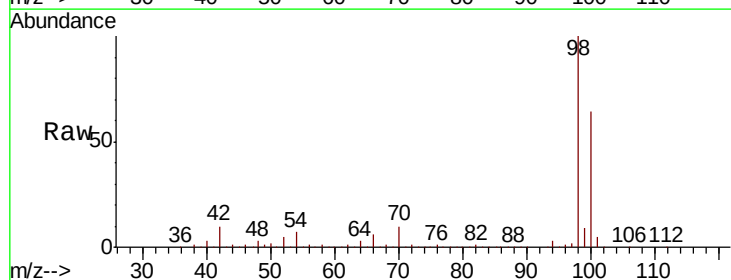
Acq: 21 Jun 2019 16:58

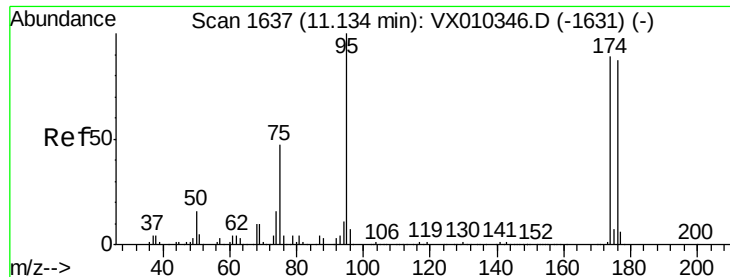
Tgt Ion: 98 Resp: 500869

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

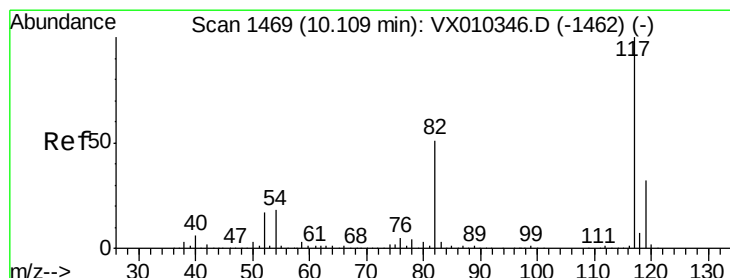
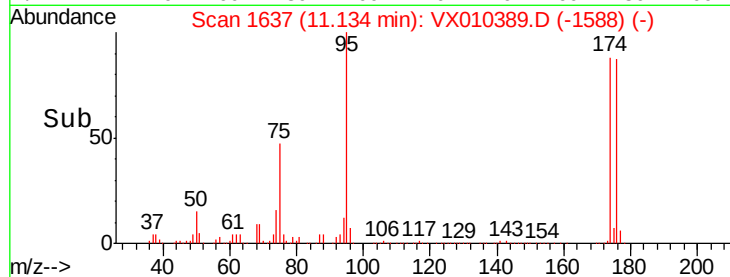
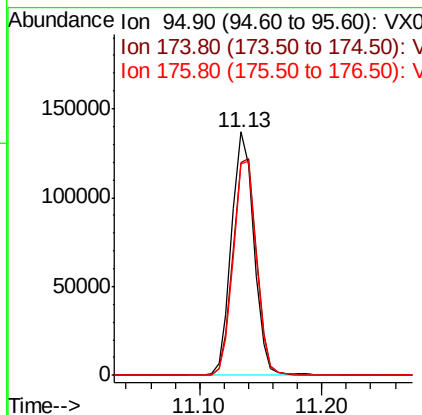
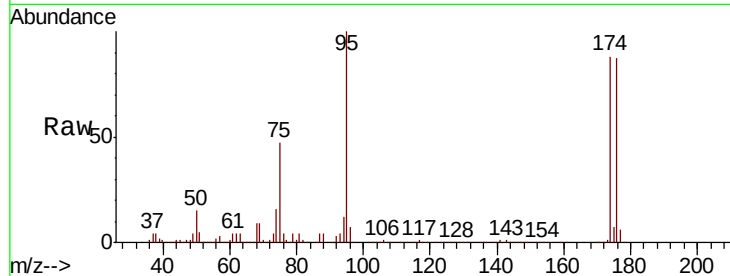
ClientSampleId :

DUP-061919-01

Tot Ion:	95	Resp:	173451
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	187.6
176	90.4	0.0	184.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

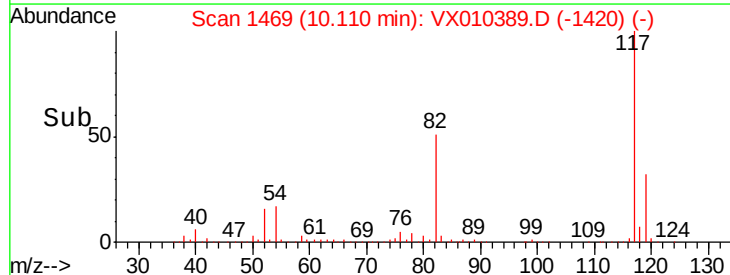
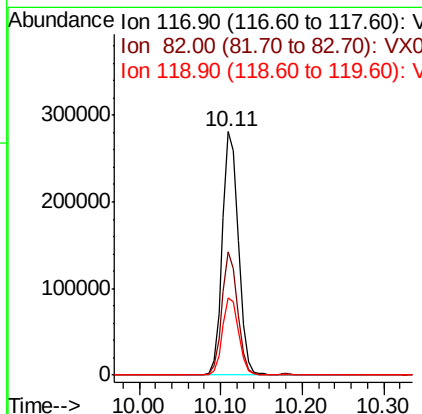
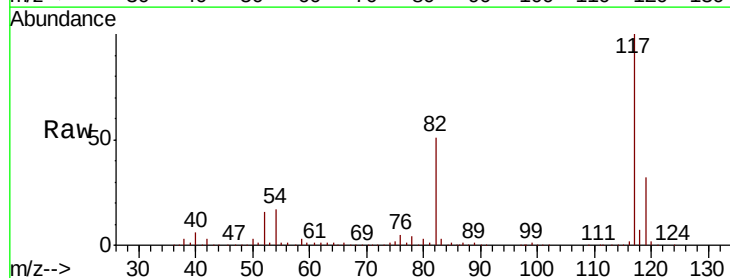
RT: 10.11 min Scan# 1469

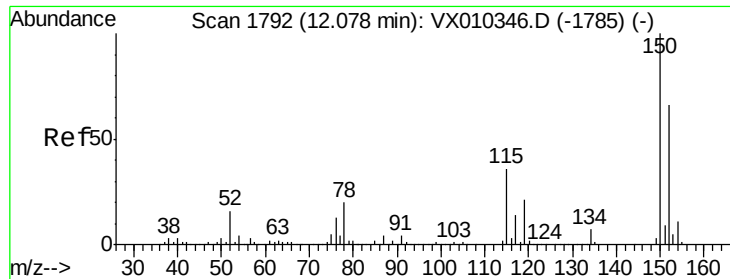
Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Tgt Ion:	117	Resp:	385658
Ion Ratio	Lower	Upper	
117	100		
82	50.7	41.2	61.8
119	31.8	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-061919-01

Tot Ion:152 Resp: 181422

Ion Ratio Lower Upper

152 100

115 55.4 38.6 115.7

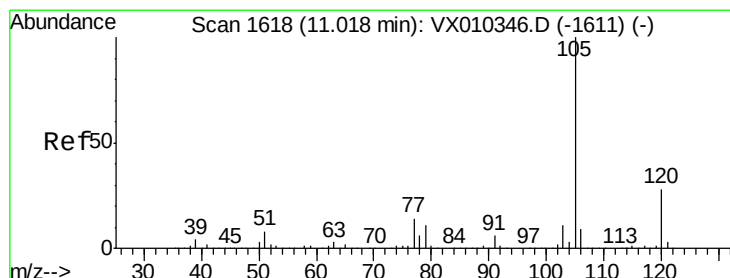
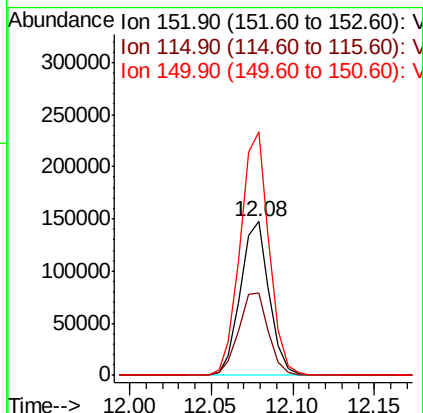
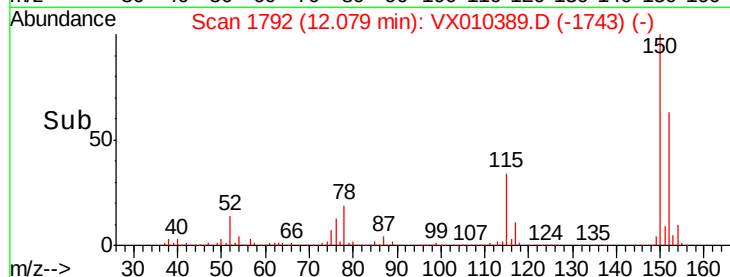
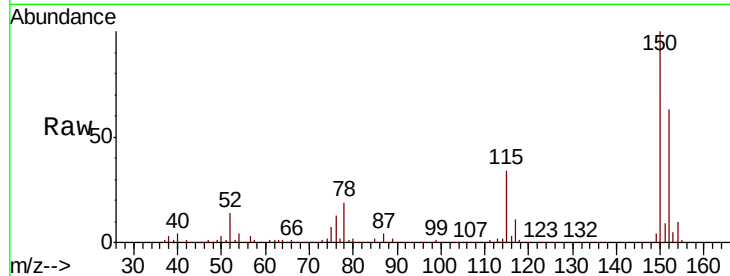
150 158.9 0.0 347.4

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#73

Isopropylbenzene

Concen: 2.413 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010389.D

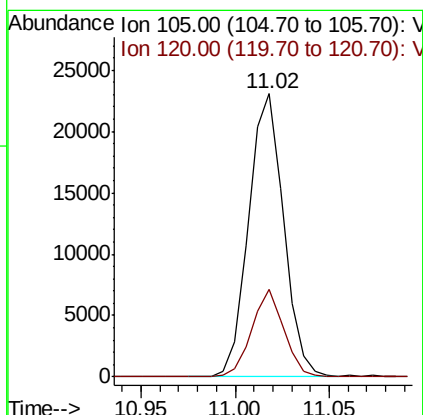
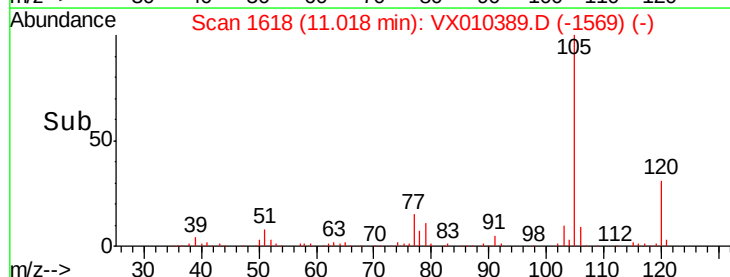
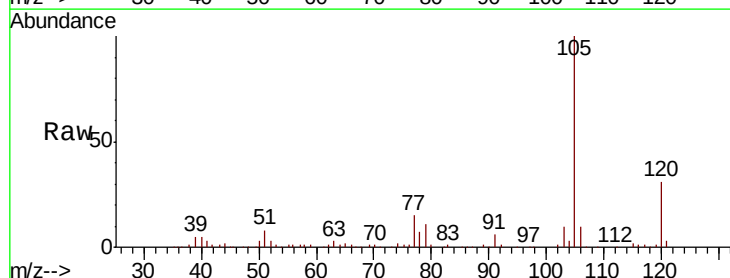
Acq: 21 Jun 2019 16:58

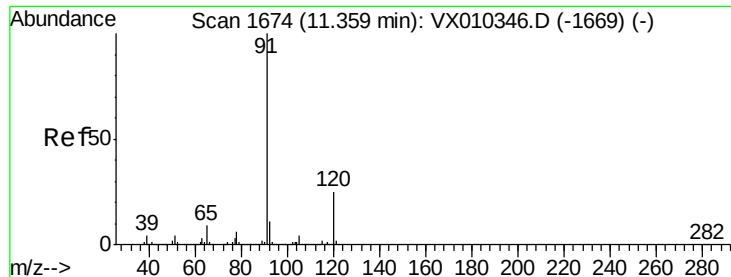
Tgt Ion:105 Resp: 29674

Ion Ratio Lower Upper

105 100

120 28.5 14.1 42.4





#78

n-propylbenzene

Concen: 2.732 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-061919-01

Tot Ion: 91 Resp: 36925

Ion Ratio Lower Upper

91 100

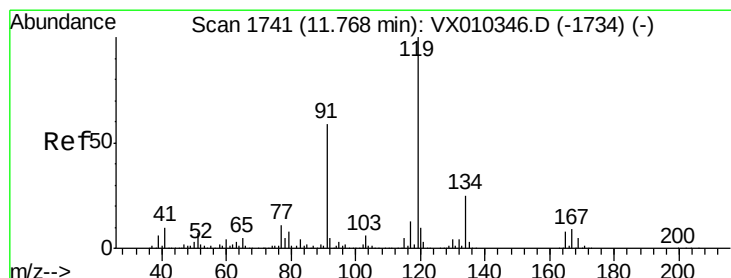
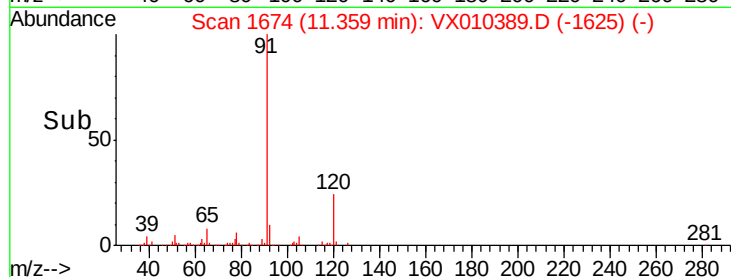
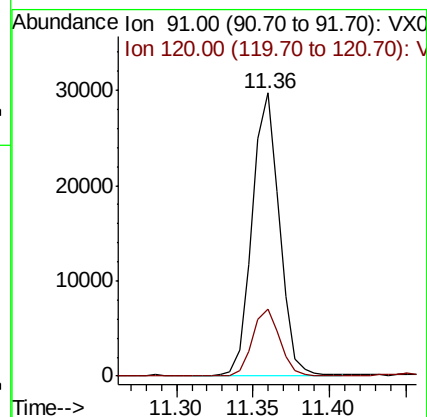
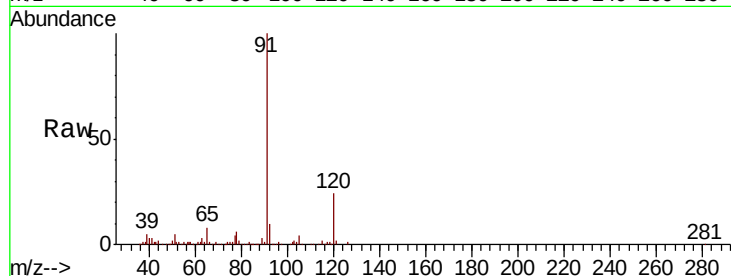
120 23.9 12.4 37.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 0.374 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

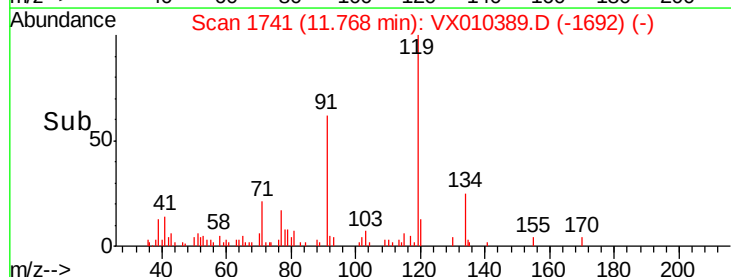
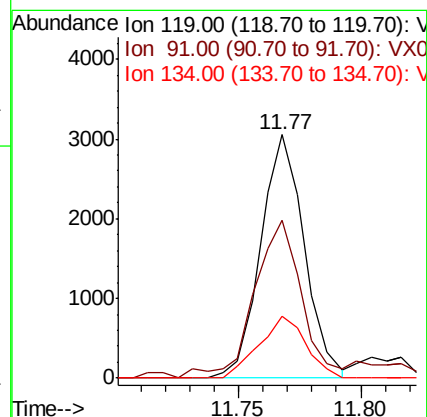
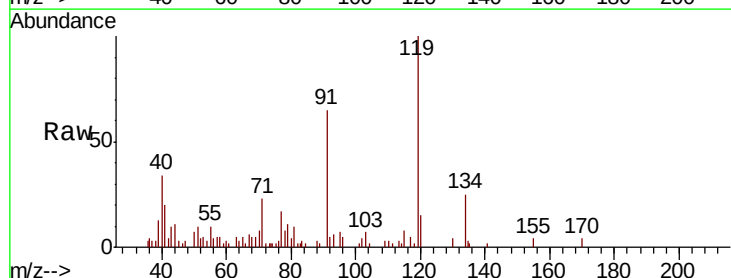
Tgt Ion: 119 Resp: 3805

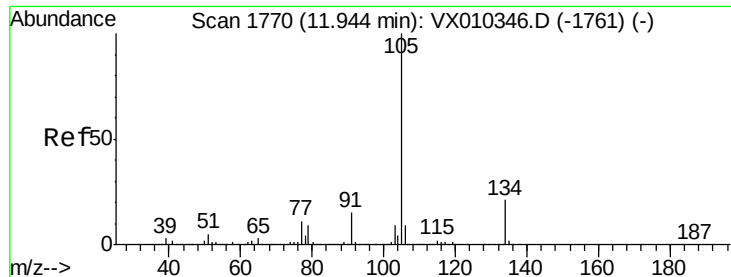
Ion Ratio Lower Upper

119 100

91 70.1 27.6 82.7

134 27.2 11.8 35.4





#85

sec-Butylbenzene

Concen: 1.427 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-061919-01

Tot Ion: 105 Resp: 17055

Ion Ratio Lower Upper

105 100

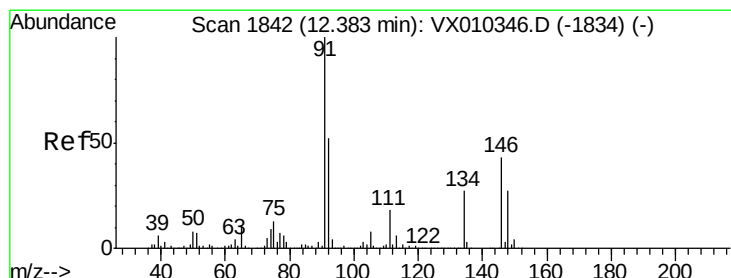
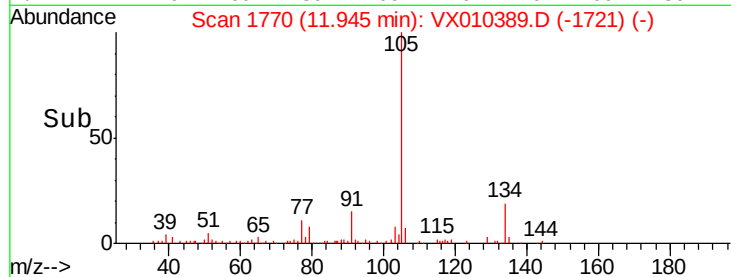
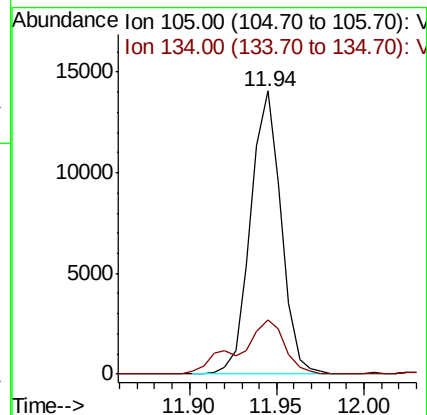
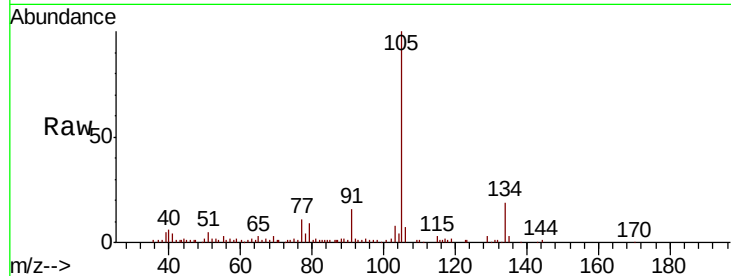
134 28.6 10.7 31.9

Manual Integrations

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#89

n-Butylbenzene

Concen: 0.336 ug/l m

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX010389.D

Acq: 21 Jun 2019 16:58

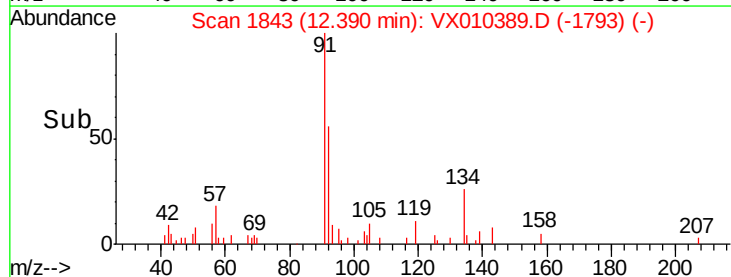
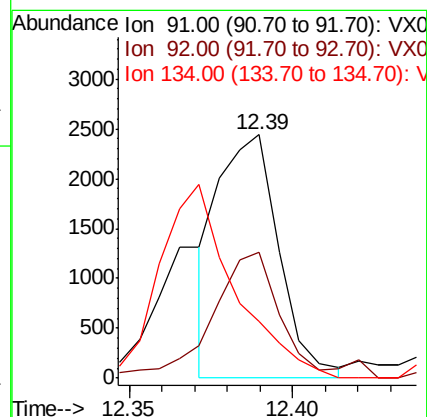
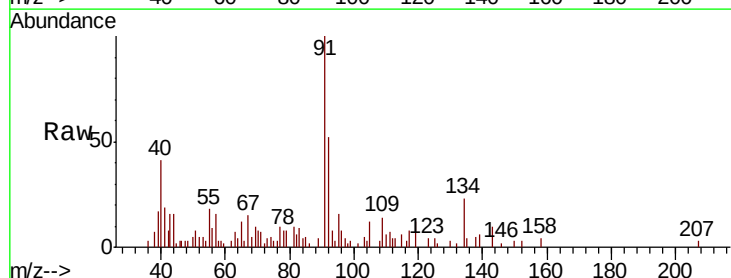
Tgt Ion: 91 Resp: 3158

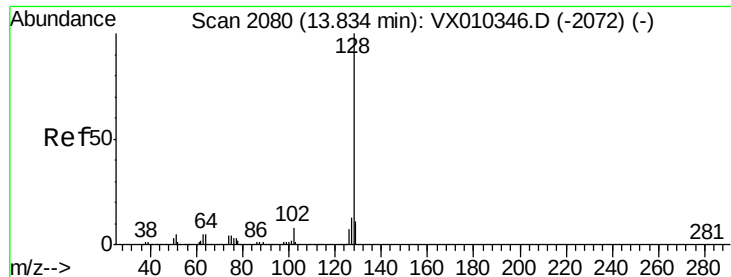
Ion Ratio Lower Upper

91 100

92 60.4 26.2 78.5

134 97.5 14.1 42.4#





#95
Naphthalene
Concen: 3.752 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010389.D
Acq: 21 Jun 2019 16:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-061919-01

Tot Ion:	128	Resp:	47639
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	12.3	8.9	13.3

Manual Integrations
APPROVED

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6/24/2019 11:23:22 AM

