

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010358.D
 Acq On : 20 Jun 2019 15:38
 Operator : JC/SP
 Sample : K3469-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-061919

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 11:35:08 AM

Quant Time: Jun 21 01:53:49 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	315939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	143539	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	5.50	113	145499	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	566568	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	195325	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	4743	3.195	ug/l	90
31) Cyclohexane	5.59	56	40345	9.429	ug/l #	78
39) Methylcyclohexane	7.46	83	136729	27.515	ug/l	96
40) Benzene	6.14	78	3465	0.294	ug/l	94
52) Toluene	8.79	92	4703	0.606	ug/l	96
67) Ethyl Benzene	10.25	91	9015	0.610	ug/l	92
73) Isopropylbenzene	11.02	105	599380	42.218	ug/l	99
78) n-propylbenzene	11.36	91	2840834	182.063	ug/l	100
83) tert-Butylbenzene	11.77	119	36635	3.119	ug/l	89
85) sec-Butylbenzene	11.94	105	298757	21.660	ug/l	95
86) p-Isopropyltoluene	12.06	119	10699m	0.839	ug/l	
89) n-Butylbenzene	12.38	91	284864m	26.276	ug/l	

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

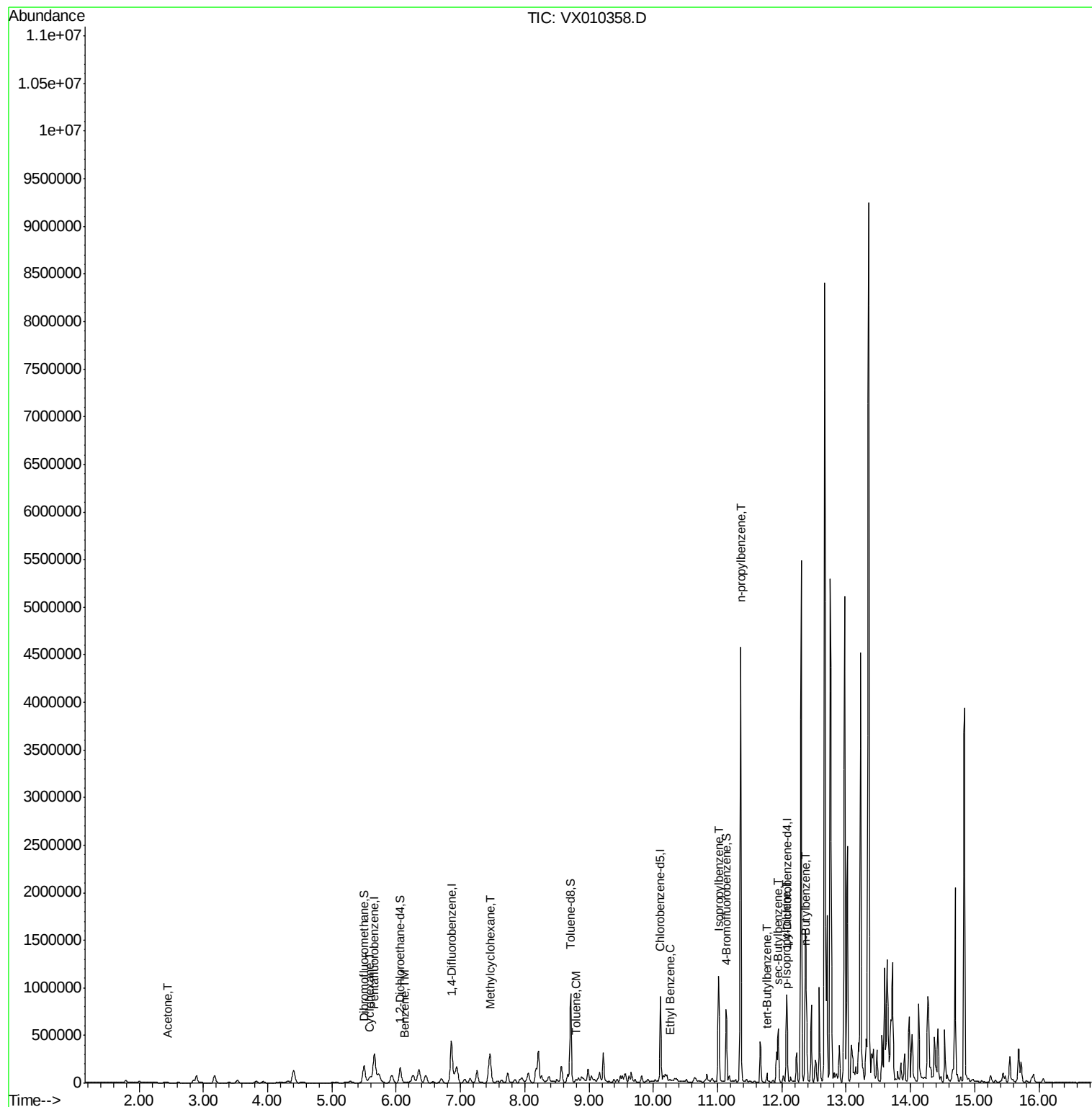
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010358.D
Acq On : 20 Jun 2019 15:38
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Sample : K3469-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

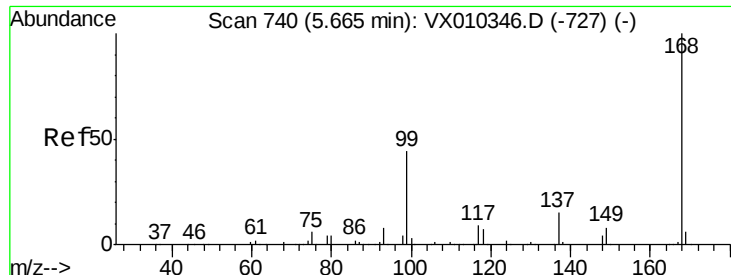
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-061919

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Quant Time: Jun 21 01:53:49 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: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion:168 Resp: 315939

Ion Ratio Lower Upper

168 100

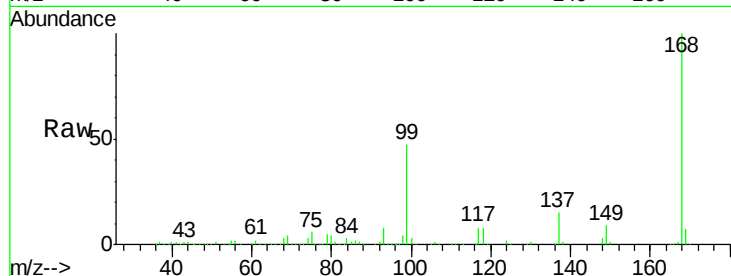
99 47.3 35.5 53.3

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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

120000

100000

80000

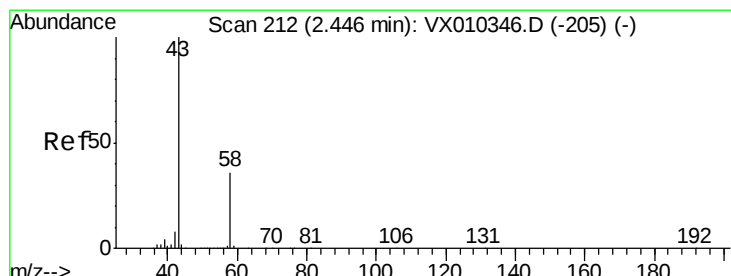
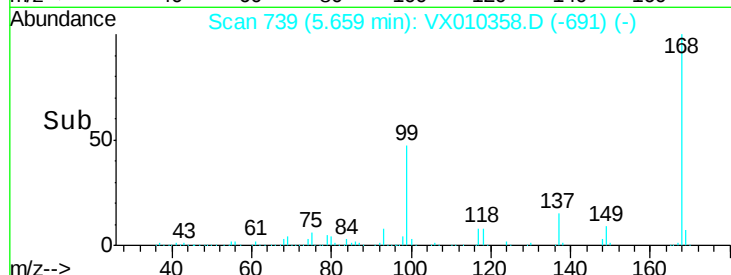
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.195 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010358.D

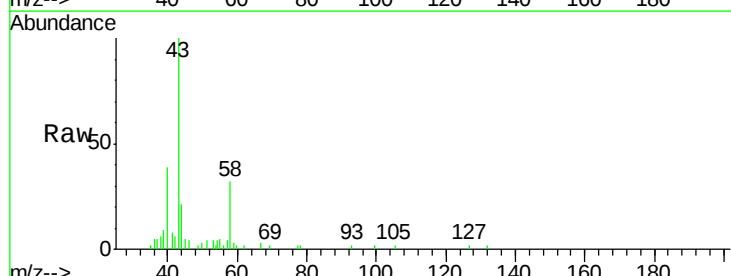
Acq: 20 Jun 2019 15:38

Tgt Ion: 43 Resp: 4743

Ion Ratio Lower Upper

43 100

58 30.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

3000

2500

2000

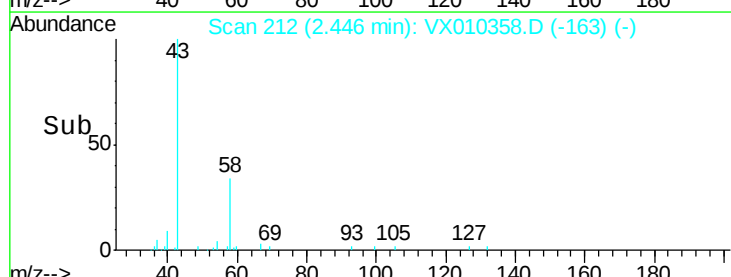
1500

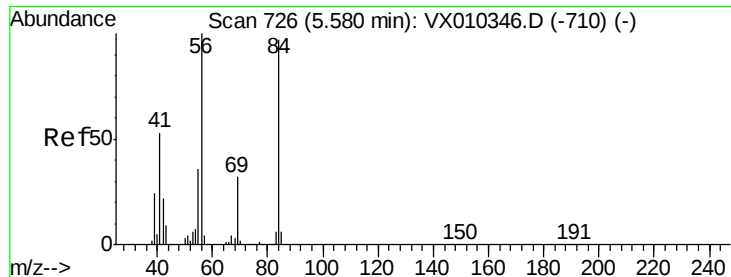
1000

500

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 9.429 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

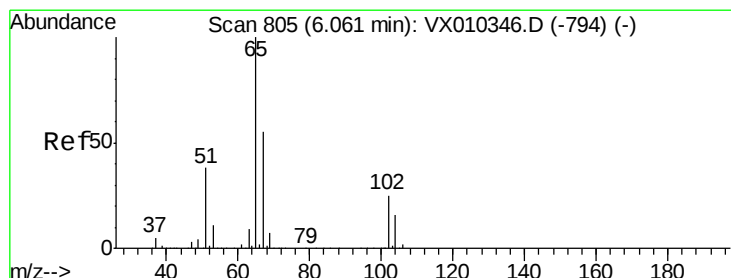
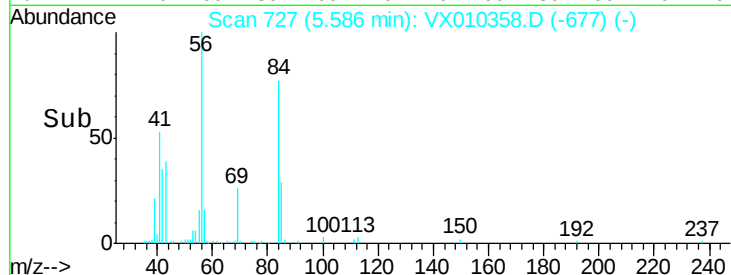
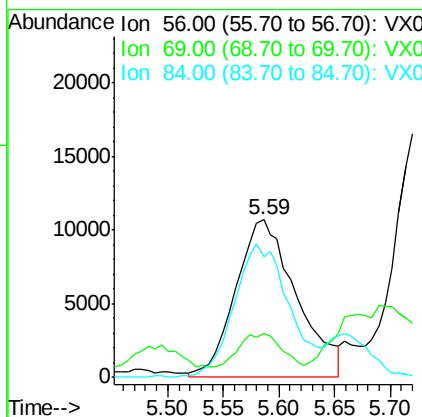
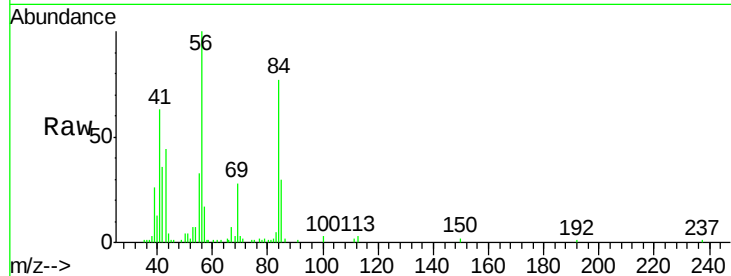
ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion:	56	Resp:	40345
Ion Ratio	Lower	Upper	
56	100		
69	17.2	25.9	38.9#
84	77.6	78.0	117.0#

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#33

1,2-Dichloroethane-d4

Concen: 48.456 ug/l

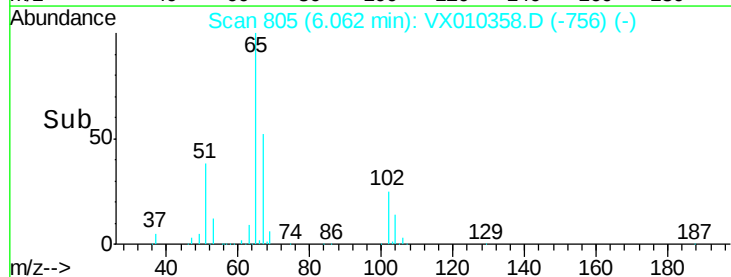
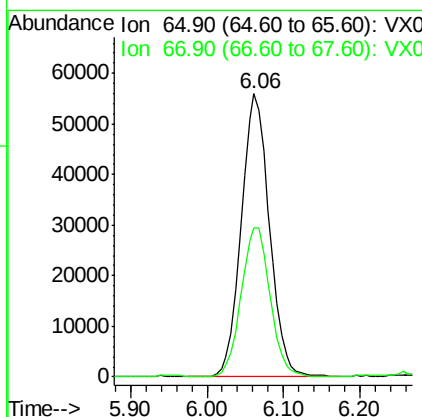
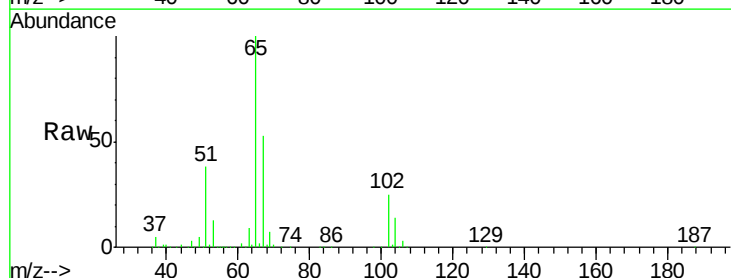
RT: 6.06 min Scan# 805

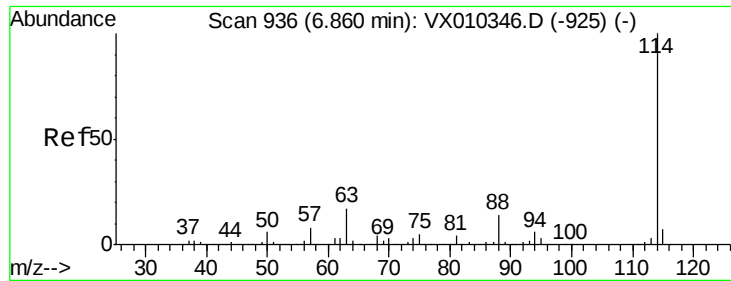
Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Tgt Ion:	65	Resp:	143539
Ion Ratio	Lower	Upper	
65	100		
67	53.9	0.0	110.2





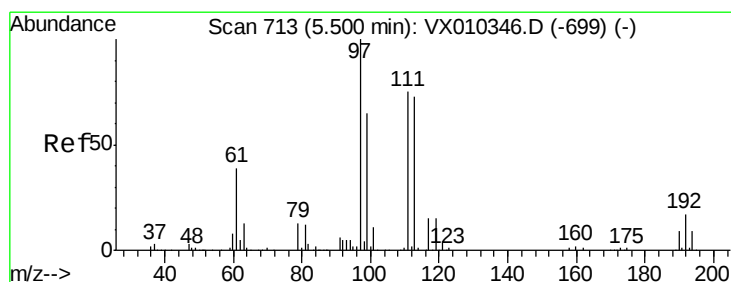
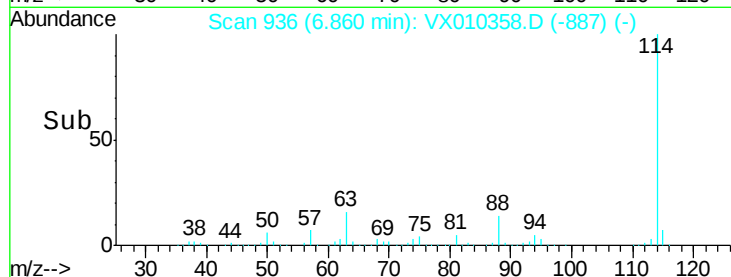
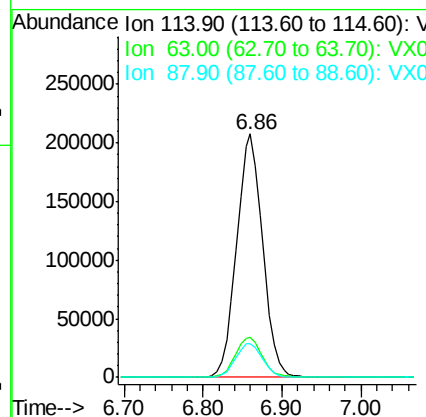
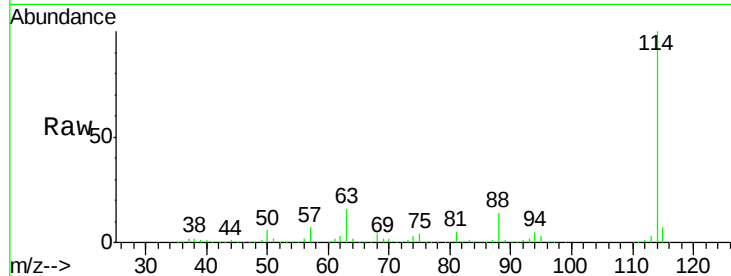
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-061919

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	16.2	0.0	33.8
88	14.1	0.0	27.6

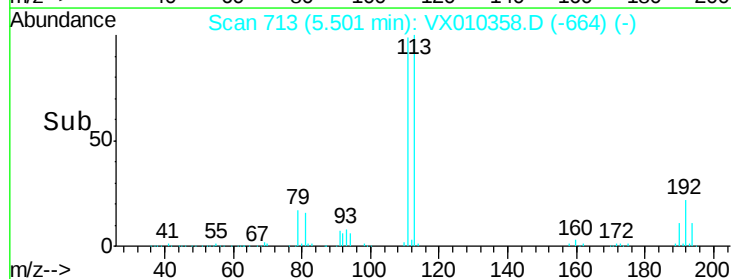
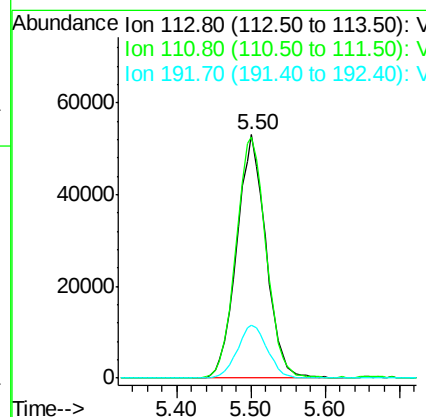
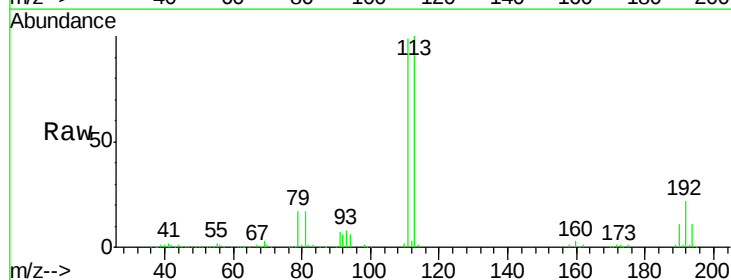
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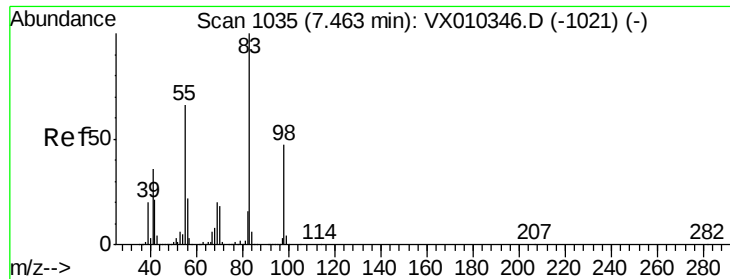
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#35
 Dibromofluoromethane
 Concen: 49.987 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.1	81.2	121.8
192	22.6	18.6	27.8





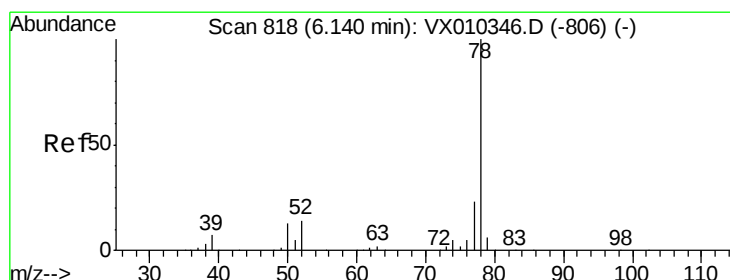
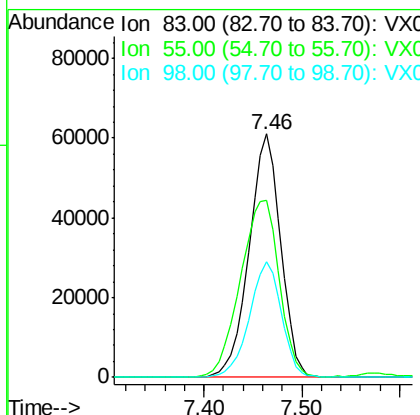
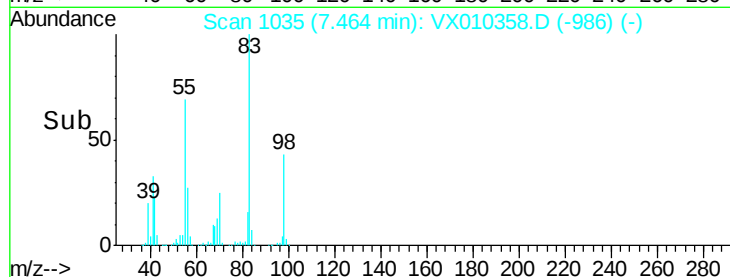
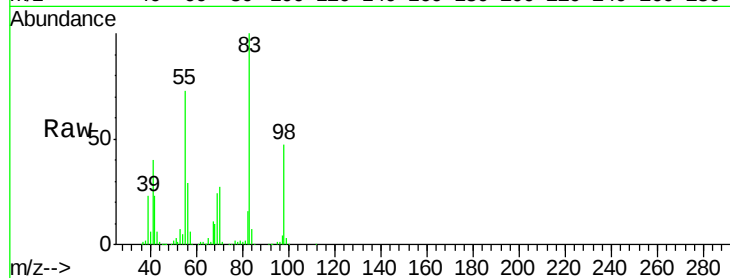
#39
Methvlcvclohexane
Concen: 27.515 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-061919

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	53.0	79.6
98	47.4	37.8	56.8

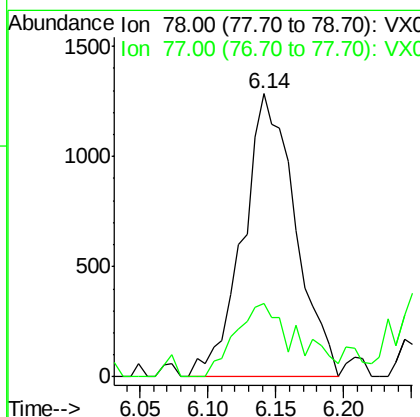
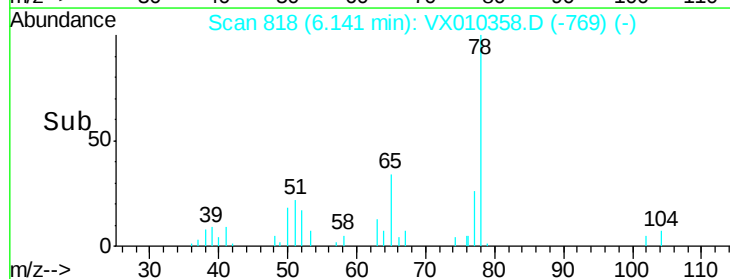
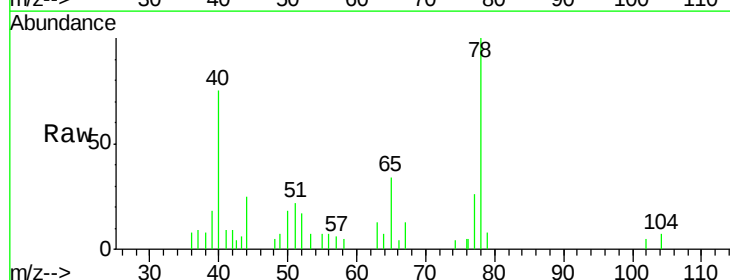
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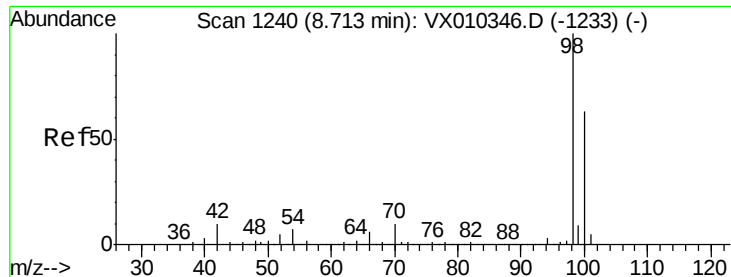
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#40
Benzene
Concen: 0.294 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.6	28.0





#50

Toluene-d8

Concen: 50.878 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion: 98 Resp: 566568

Ion Ratio Lower Upper

98 100

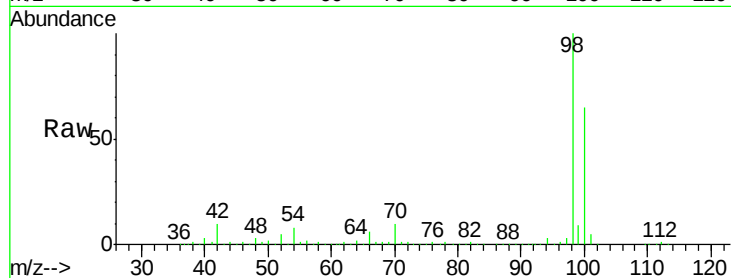
100 64.3 51.6 77.4

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

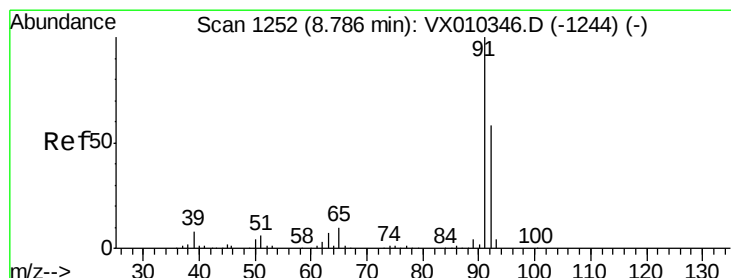
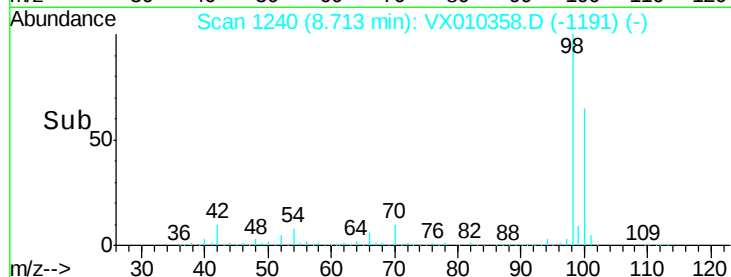
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.606 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010358.D

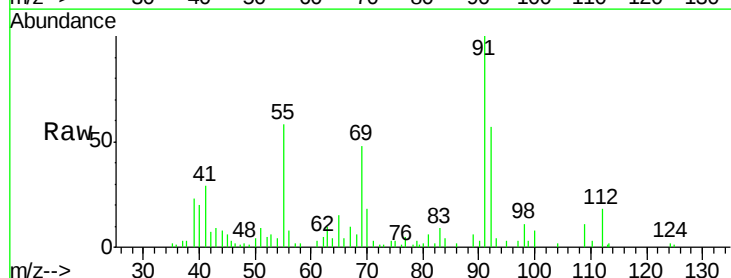
Acq: 20 Jun 2019 15:38

Tgt Ion: 92 Resp: 4703

Ion Ratio Lower Upper

92 100

91 169.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

5000

4000

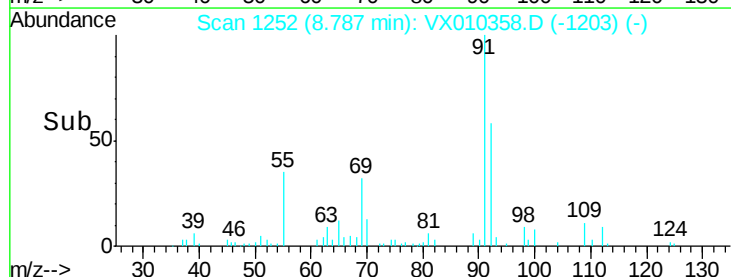
3000

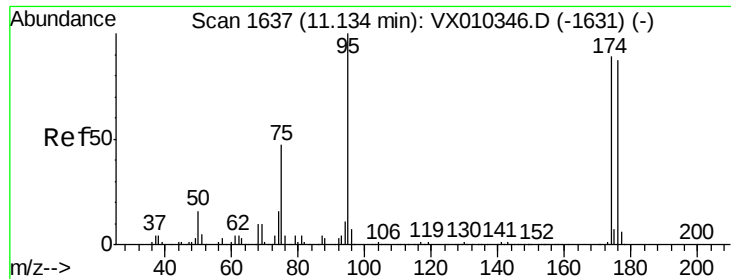
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.584 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

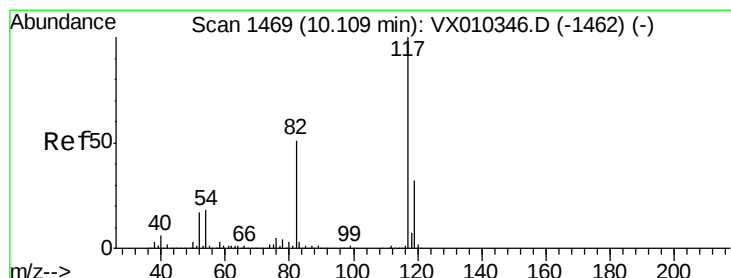
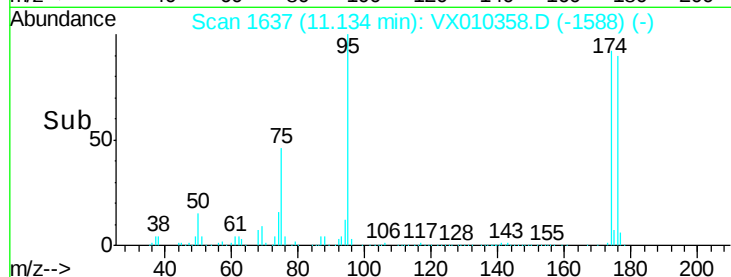
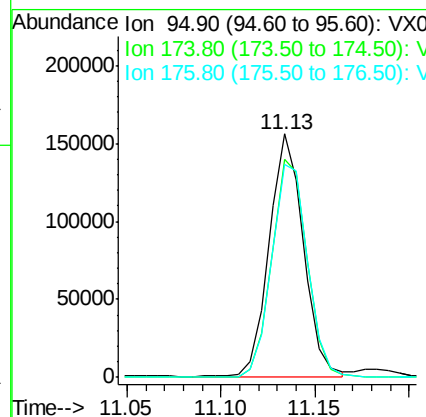
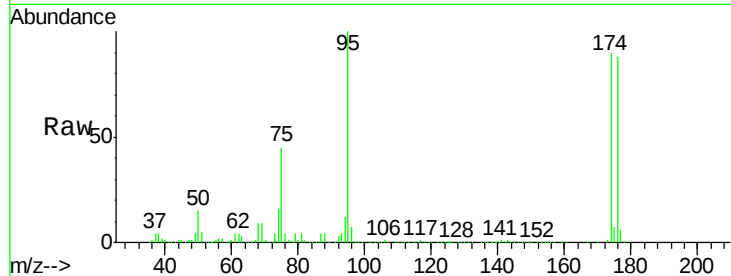
ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
95	100	195325		
174	92.8	0.0	187.6	
176	92.4	0.0	184.0	

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

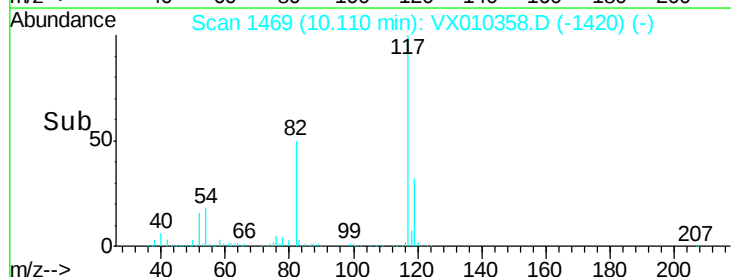
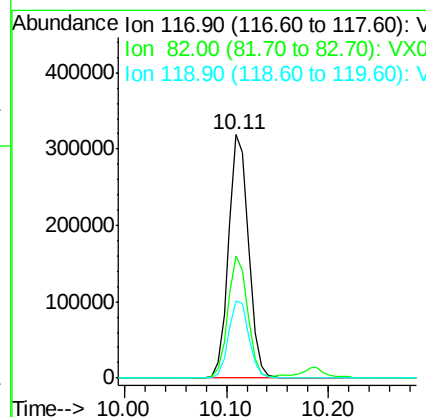
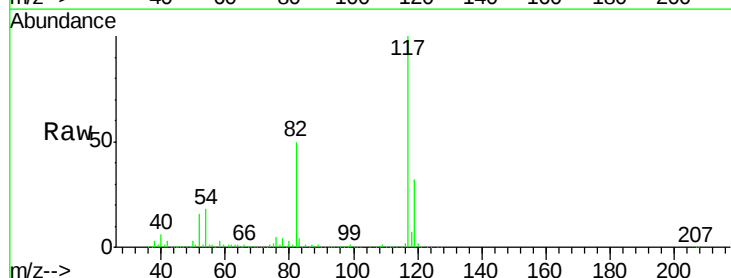
RT: 10.11 min Scan# 1469

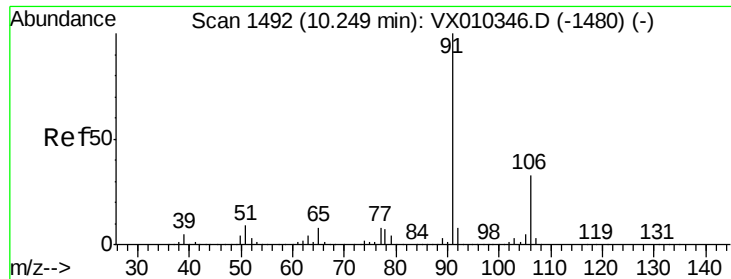
Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	431540		
82	50.0	41.2	61.8	
119	31.5	25.5	38.3	





#67

Ethyl Benzene

Concen: 0.610 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion: 91 Resp: 9015

Ion Ratio Lower Upper

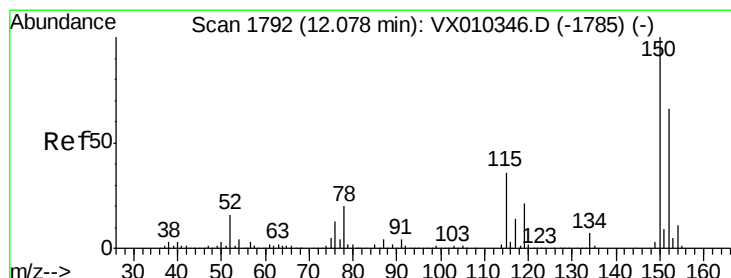
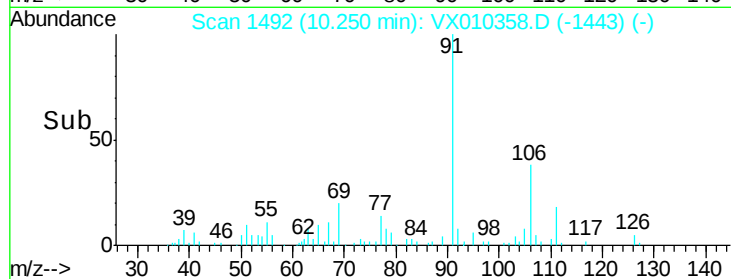
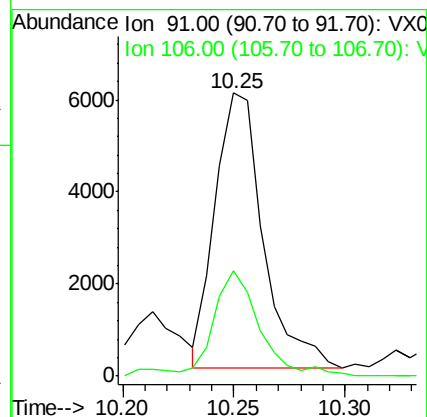
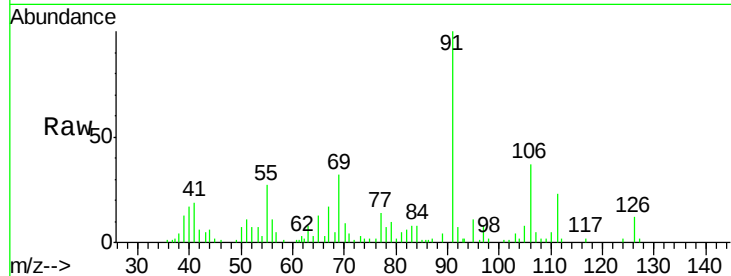
91 100

106 37.4 26.2 39.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

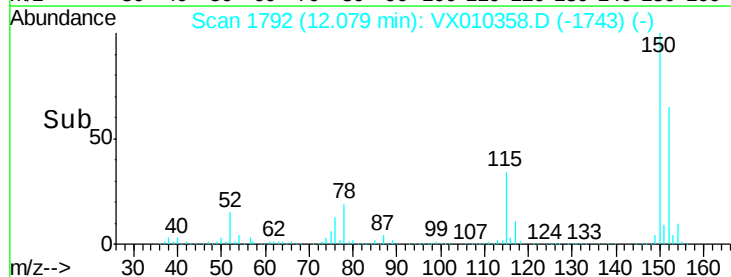
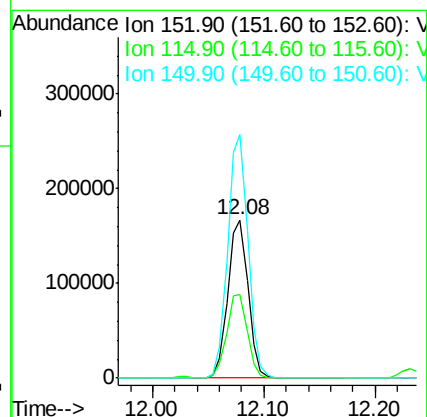
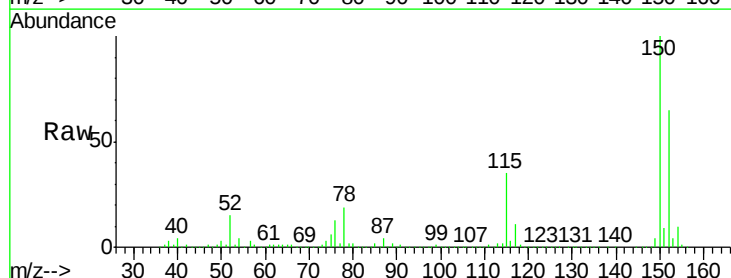
Tgt Ion: 152 Resp: 209439

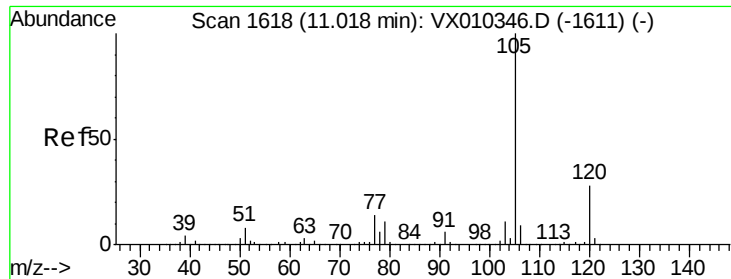
Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

150 154.2 0.0 347.4





#73

Isopropylbenzene

Concen: 42.218 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-061919

Tot Ion:105 Resp: 599380

Ion Ratio Lower Upper

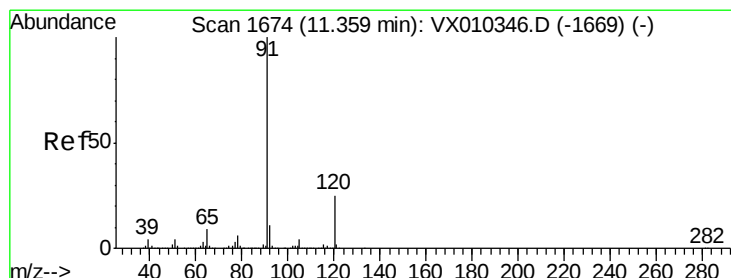
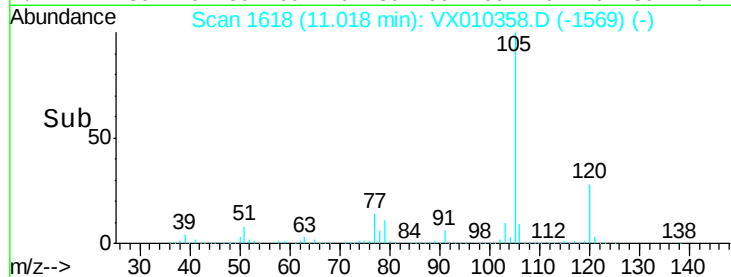
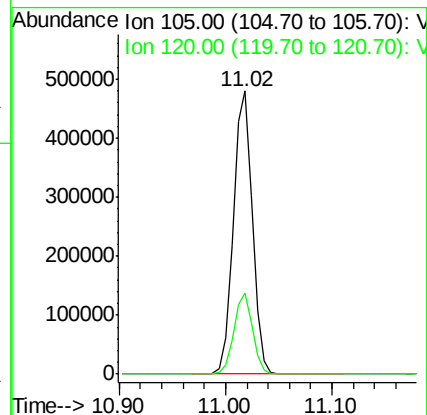
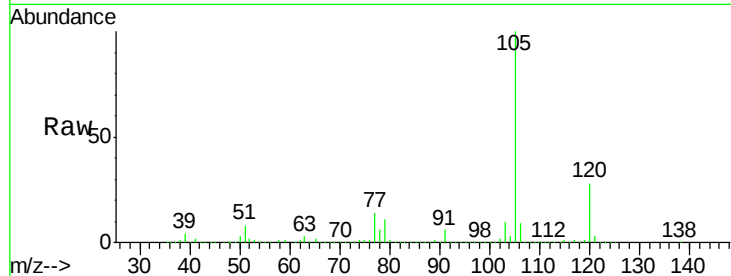
105 100

120 28.0 14.1 42.4

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#78

n-propylbenzene

Concen: 182.063 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010358.D

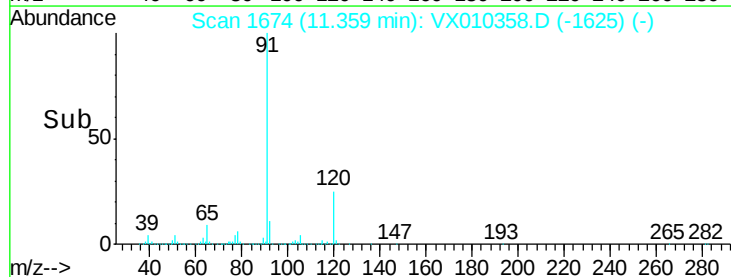
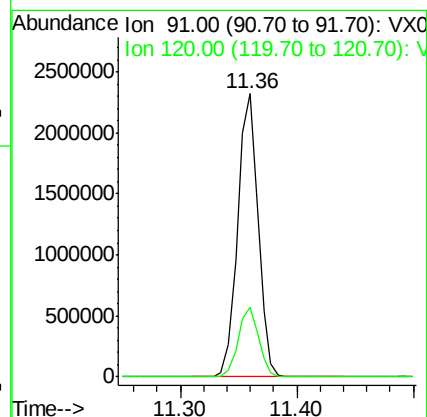
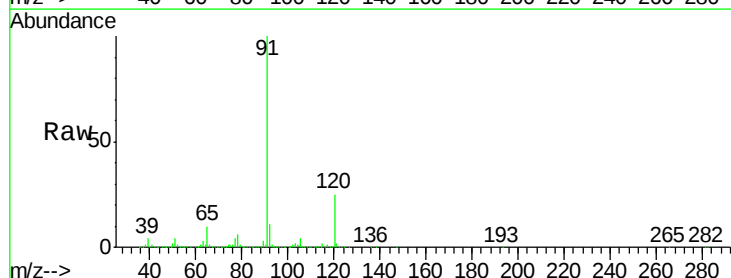
Acq: 20 Jun 2019 15:38

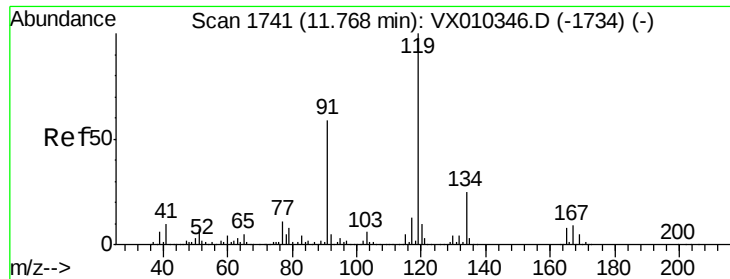
Tgt Ion: 91 Resp: 2840834

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4





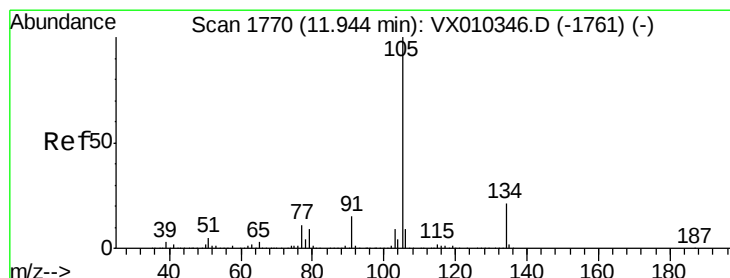
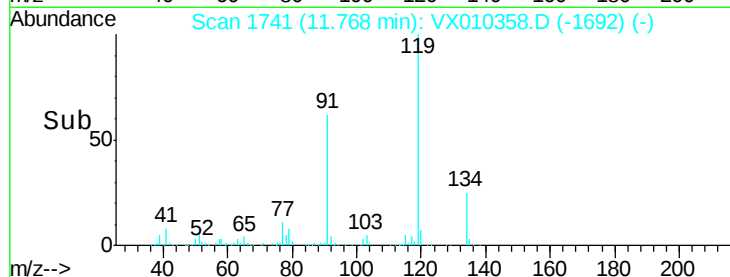
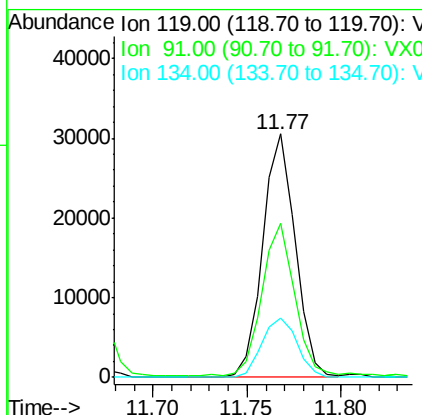
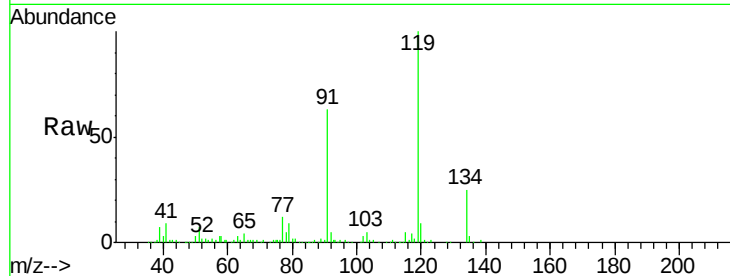
#83
tert-Butylbenzene
Concen: 3.119 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-061919

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	27.6	82.7
134	26.5	11.8	35.4

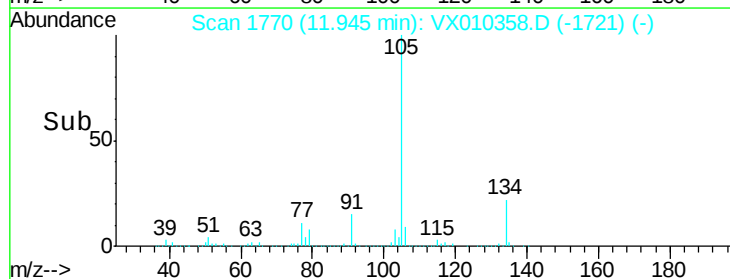
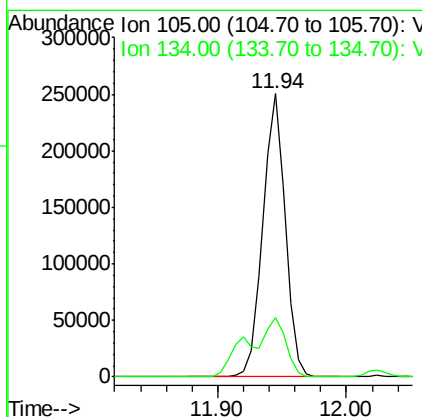
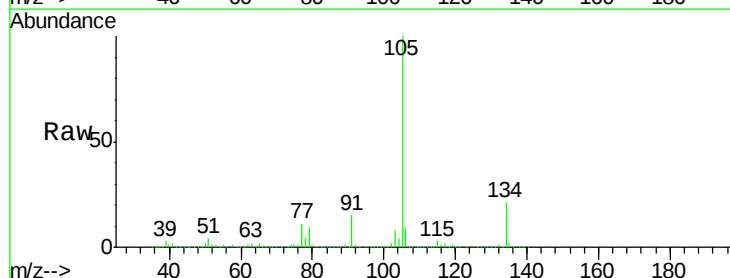
Manual Integrations
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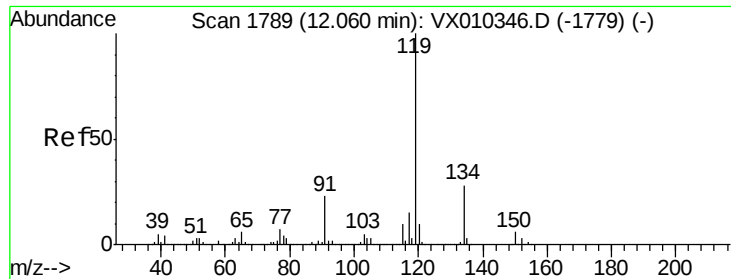
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#85
sec-Butylbenzene
Concen: 21.660 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.7	31.9





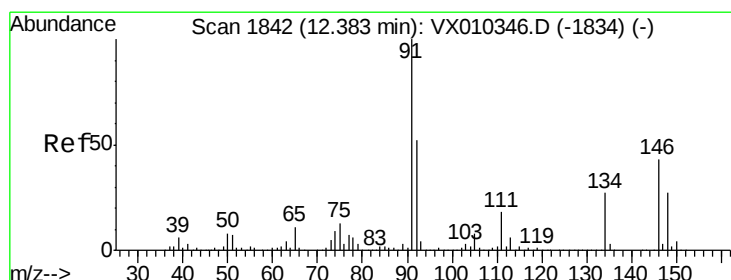
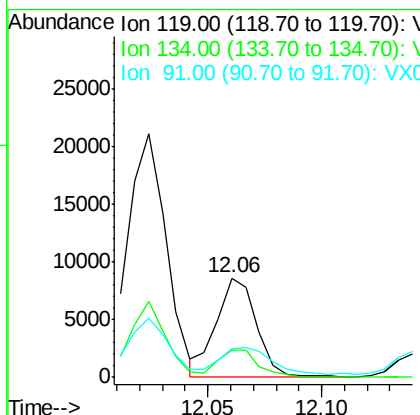
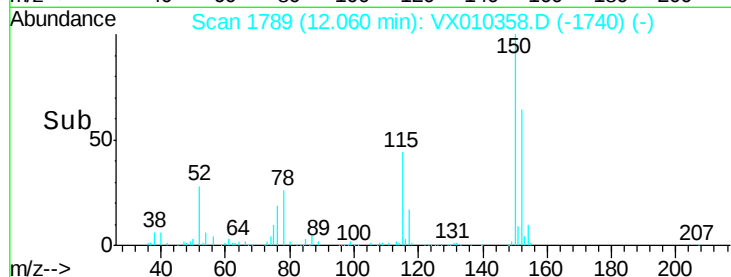
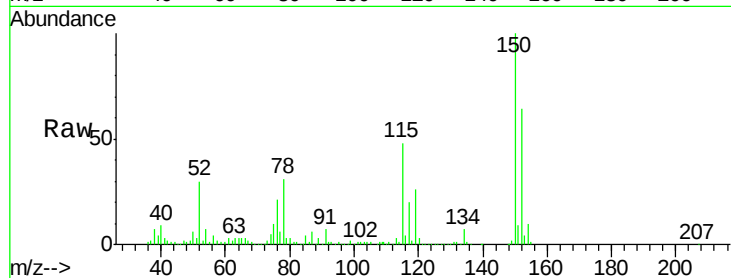
#86
p-Isopropyltoluene
Concen: 0.839 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-061919

Tot Ion	Ratio	Lower	Upper
119	100		
134	389.1	13.7	41.1#
91	302.7	11.3	33.8#

Manual Integrations
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6/21/2019 11:35:08 AM



#89
n-Butylbenzene
Concen: 26.276 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.4	26.2	78.5
134	104.0	14.1	42.4#

