

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010365.D
 Acq On : 20 Jun 2019 18:22
 Operator : JC/SP
 Sample : K3469-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-061919

Manual Integrations
 APPROVED

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 6/21/2019 11:35:26 AM

Quant Time: Jun 21 02:19:59 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	318532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	432589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203222	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	142982	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
35) Dibromofluoromethane	5.50	113	145823	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	567792	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	199421	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	18965	12.671	ug/l	93
25) 2-Butanone	4.67	43	7272	3.312	ug/l	95
31) Cyclohexane	5.58	56	144352	33.462	ug/l	98
39) Methylcyclohexane	7.46	83	313261	62.588	ug/l	96
40) Benzene	6.15	78	51887	4.374	ug/l	99
52) Toluene	8.79	92	15104	1.933	ug/l	99
67) Ethyl Benzene	10.25	91	88500	5.969	ug/l	100
68) m/p-Xylenes	10.36	106	13707	2.386	ug/l	98
69) o-Xylene	10.70	106	3075	0.544	ug/l	99
73) Isopropylbenzene	11.02	105	1568451	113.854	ug/l	99
78) n-propylbenzene	11.36	91	3866973	255.408	ug/l	100
83) tert-Butylbenzene	11.77	119	17425	1.529	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	6766m	0.593	ug/l	
85) sec-Butylbenzene	11.94	105	265203	19.816	ug/l	96
86) p-Isopropyltoluene	12.06	119	10265m	0.829	ug/l	
89) n-Butylbenzene	12.39	91	317286m	30.162	ug/l	
95) Naphthalene	13.83	128	1695170	119.195	ug/l	99

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

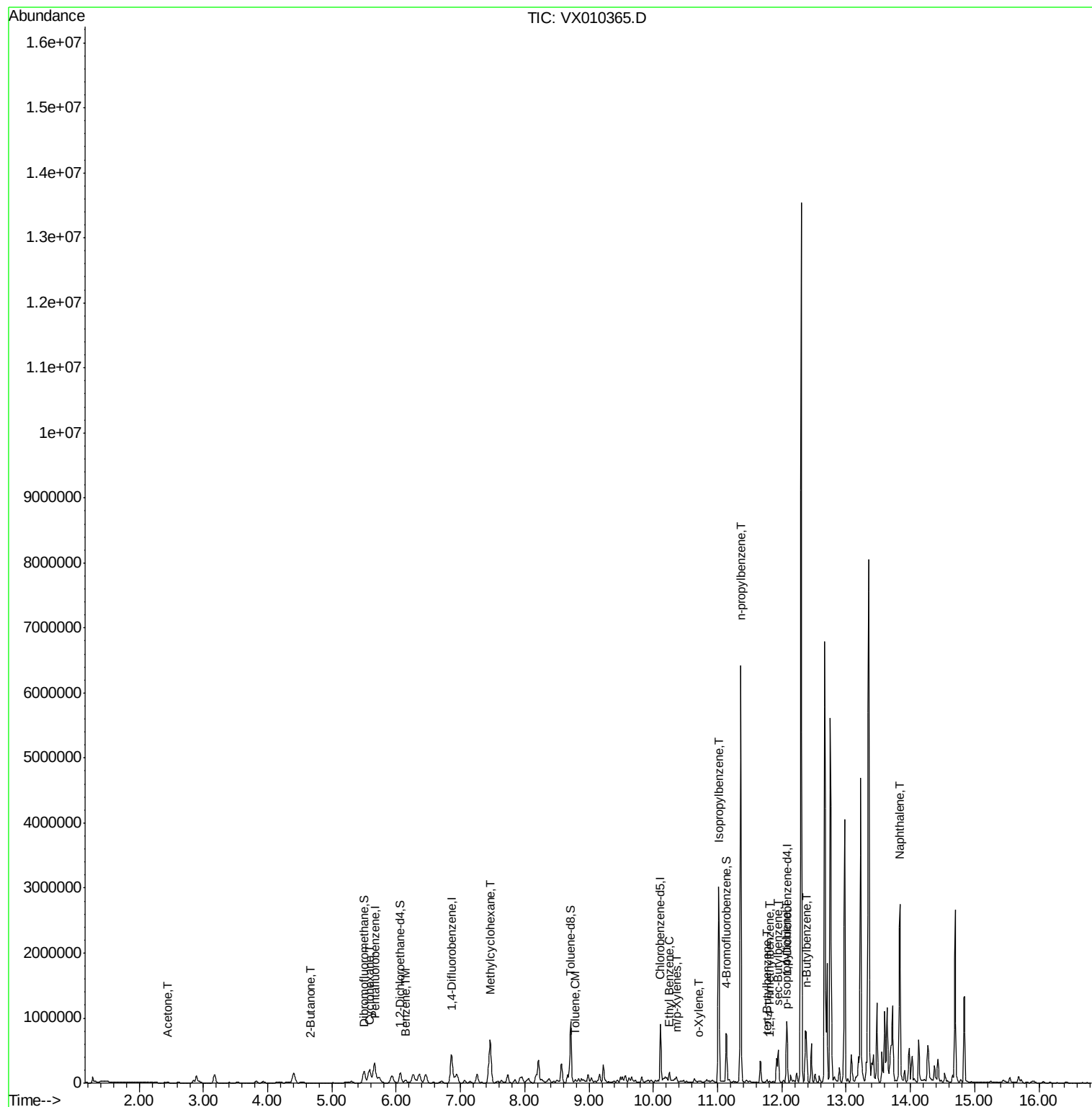
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
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Sample : K3469-02
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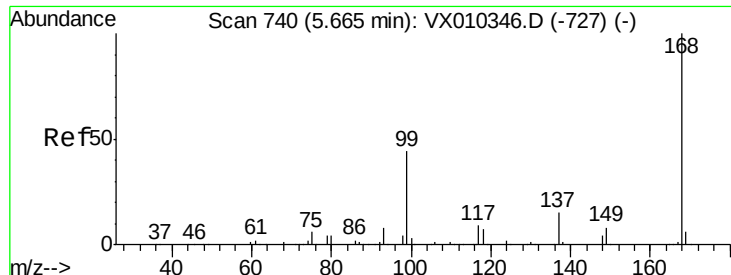
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

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Quant Time: Jun 21 02:19:59 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# 740

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-061919

Tot Ion:168 Resp: 318532

Ion Ratio Lower Upper

168 100

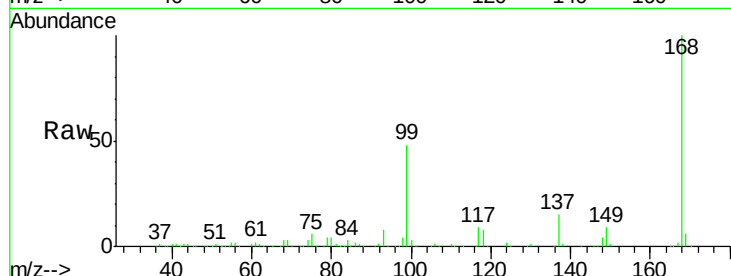
99 47.5 35.5 53.3

Manual Integrations

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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

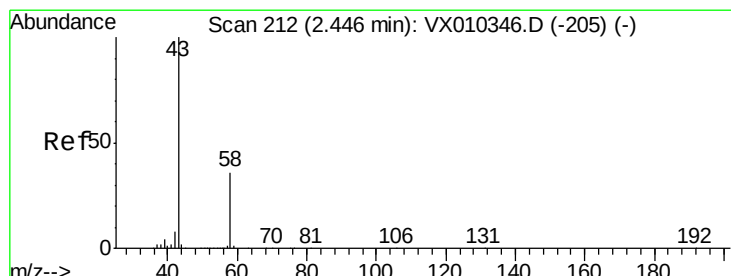
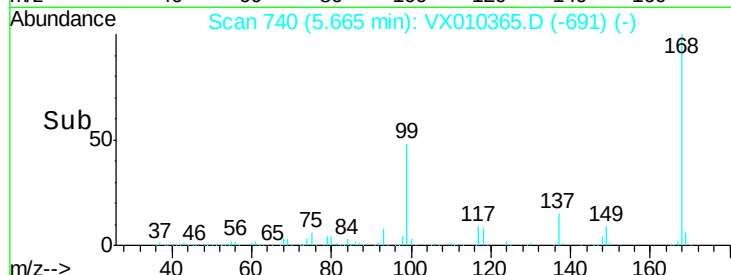
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 12.671 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010365.D

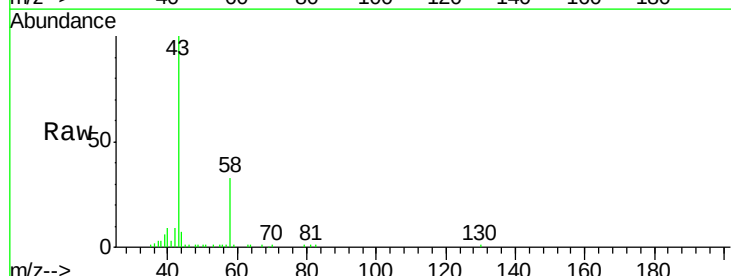
Acq: 20 Jun 2019 18:22

Tgt Ion: 43 Resp: 18965

Ion Ratio Lower Upper

43 100

58 32.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

12000

10000

8000

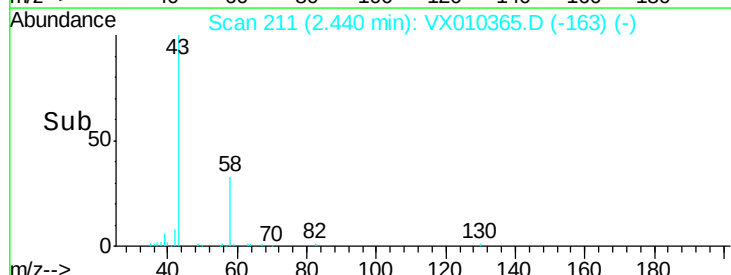
6000

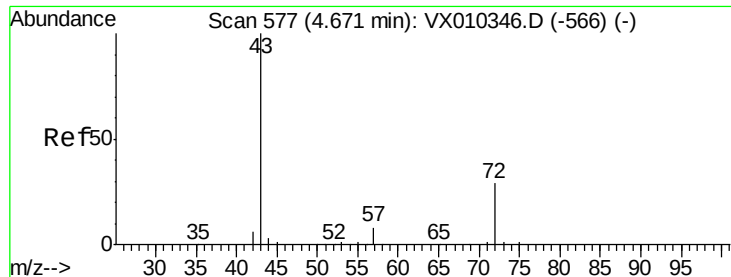
4000

2000

0

Time-->





#25

2-Butanone

Concen: 3.312 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-061919

Tot Ion: 43 Resp: 7272

Ion Ratio Lower Upper

43 100

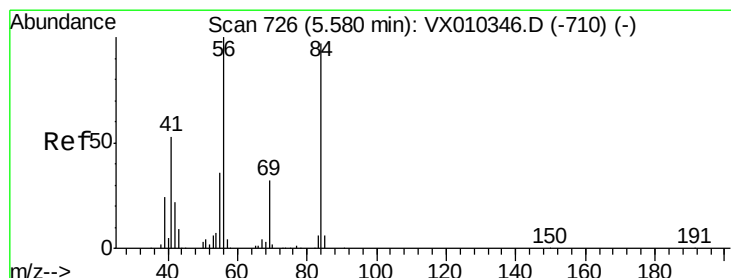
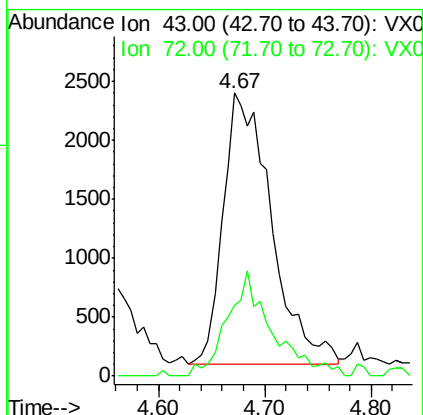
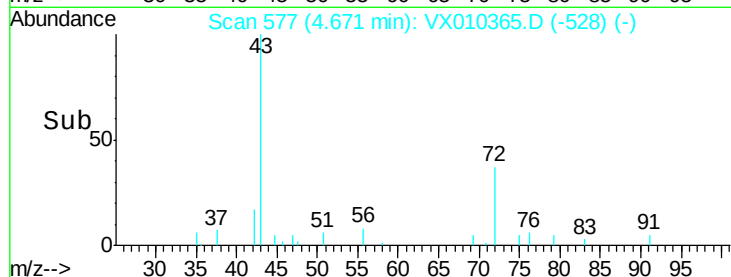
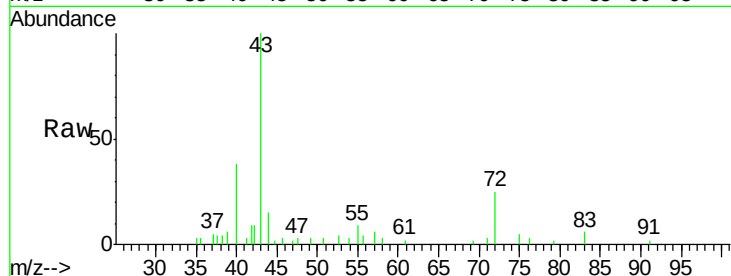
72 26.4 23.3 34.9

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#31

Cyclohexane

Concen: 33.462 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

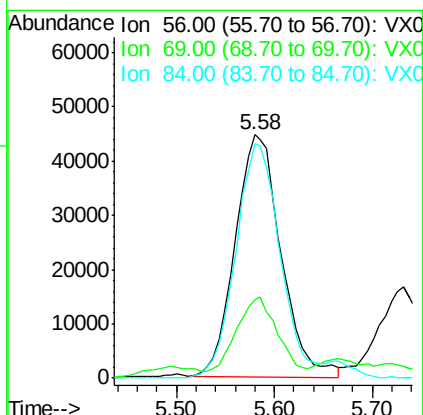
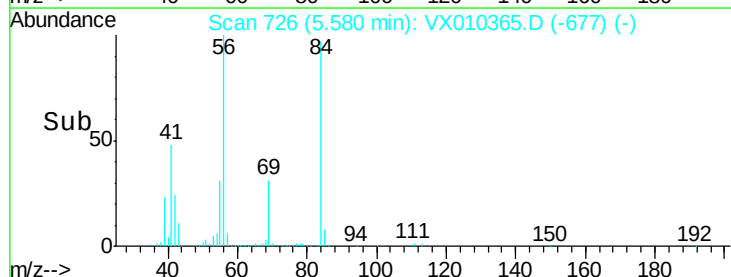
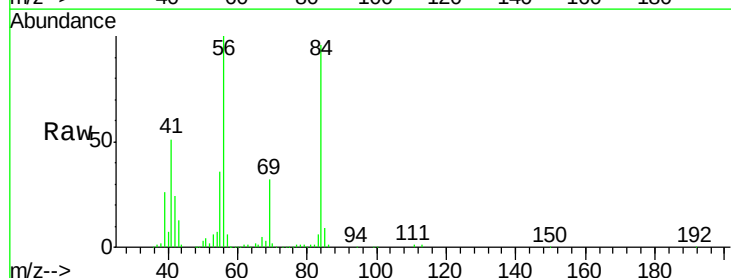
Tgt Ion: 56 Resp: 144352

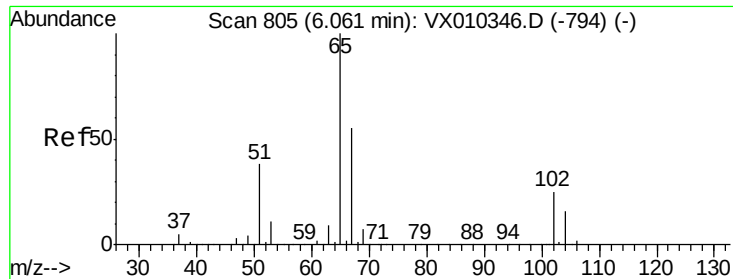
Ion Ratio Lower Upper

56 100

69 28.5 25.9 38.9

84 96.7 78.0 117.0





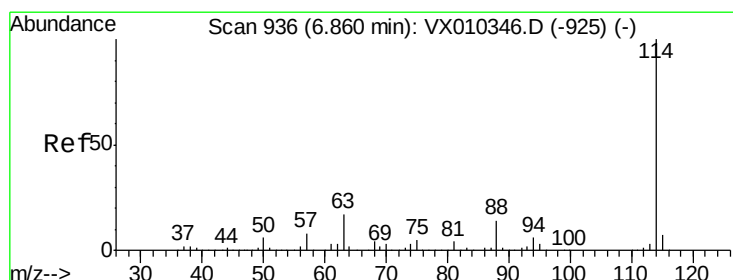
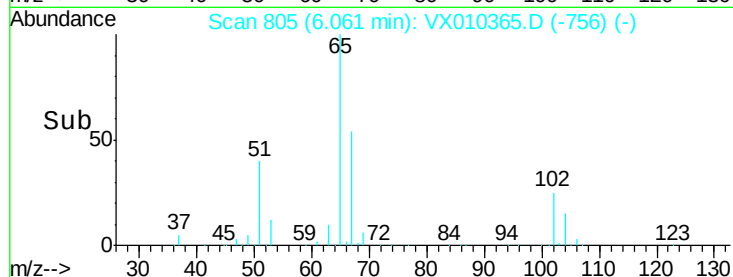
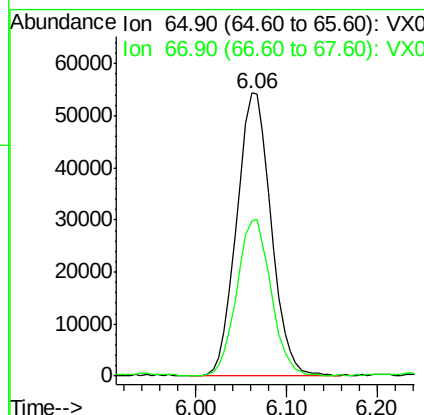
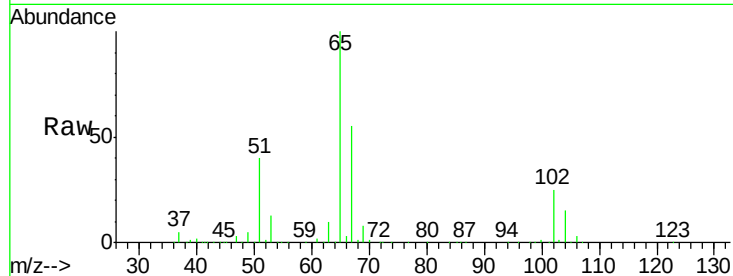
#33
 1,2-Dichloroethane-d4
 Concen: 47.875 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-061919

Tot Ion: 65 Resp: 142982
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2

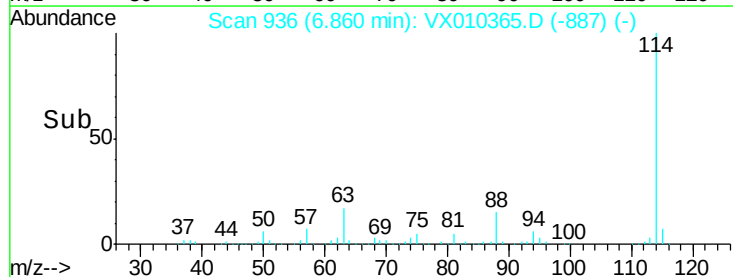
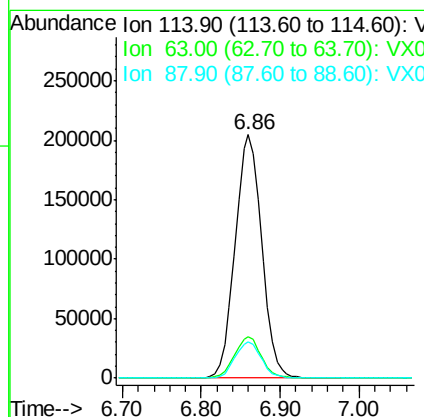
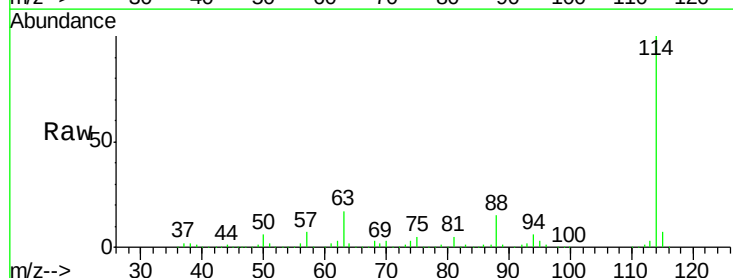
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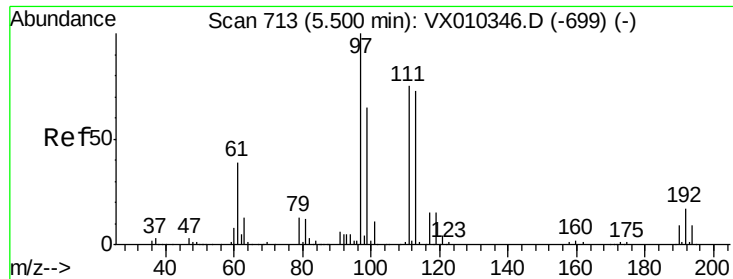
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Tgt Ion: 114 Resp: 479165
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 14.7 0.0 27.6





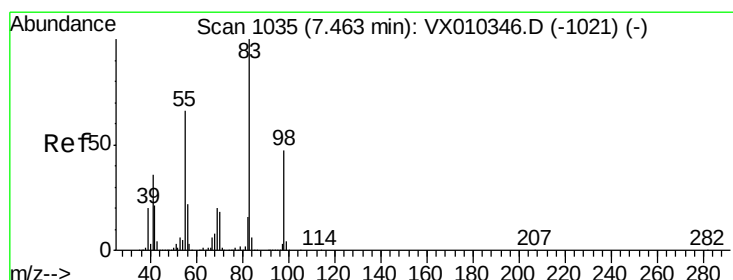
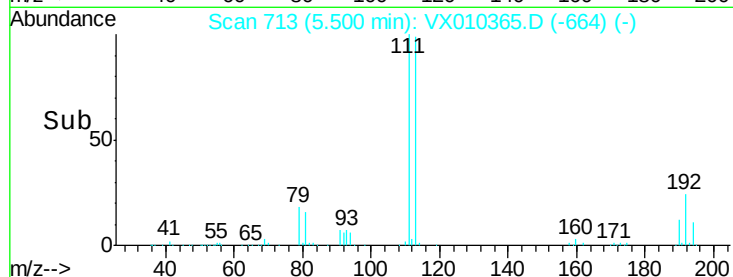
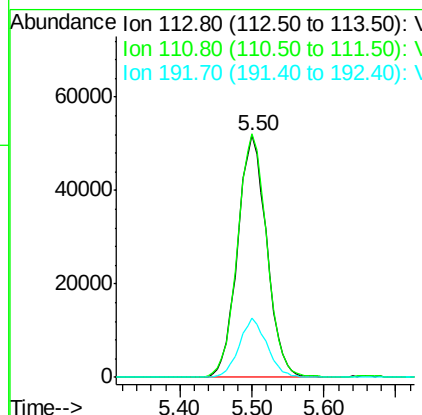
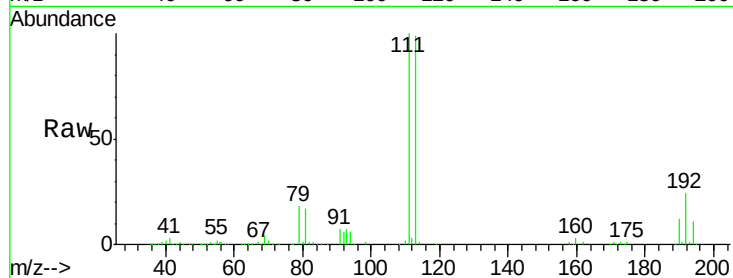
#35
 Dibromofluoromethane
 Concen: 49.740 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145823		
111	101.3	81.2	121.8	
192	23.2	18.6	27.8	

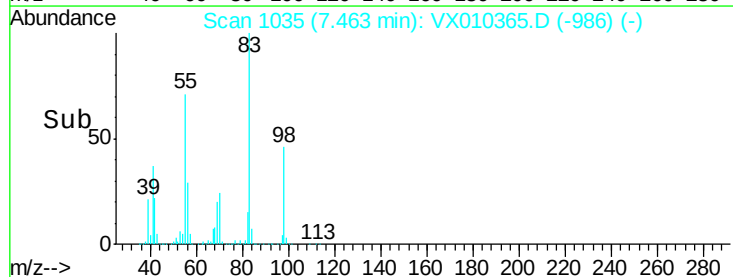
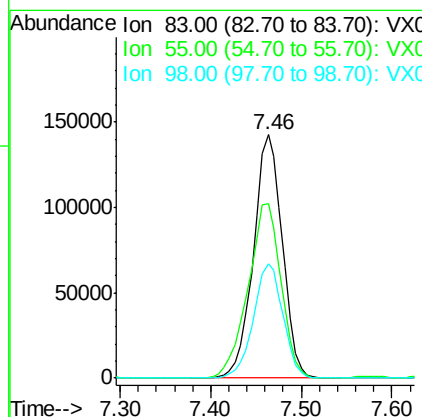
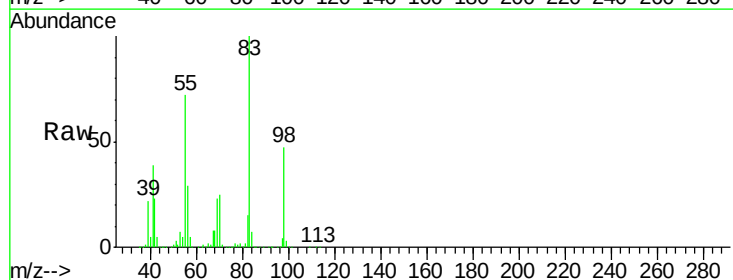
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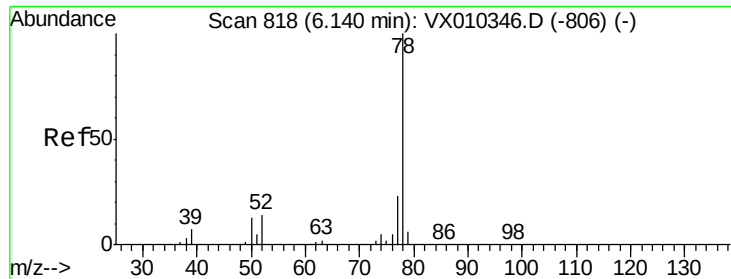
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#39
 Methylcyclohexane
 Concen: 62.588 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	313261		
55	71.7	53.0	79.6	
98	47.2	37.8	56.8	





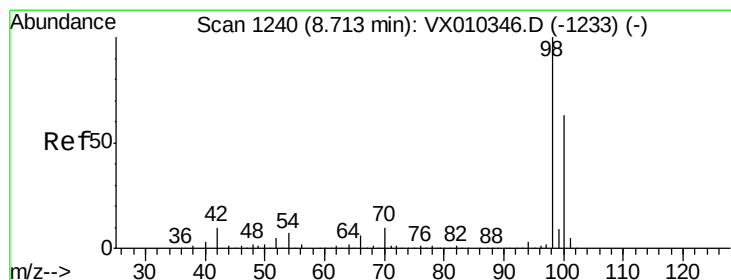
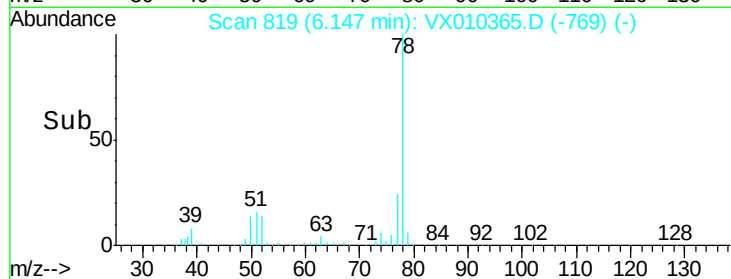
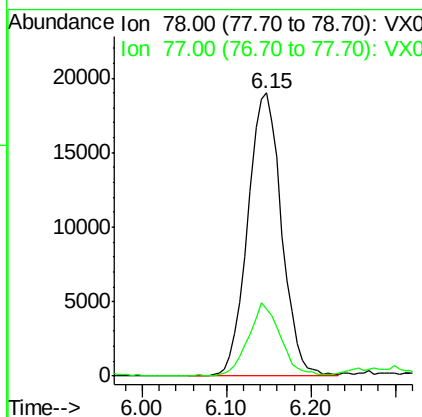
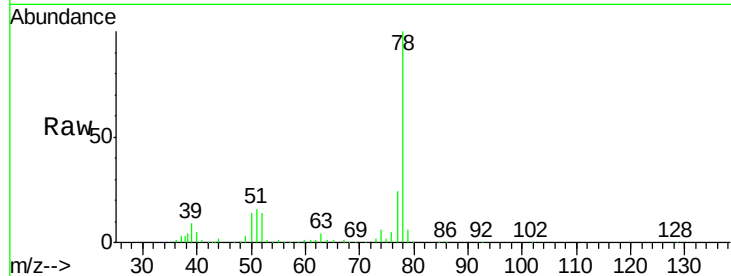
#40
Benzene
Concen: 4.374 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

Tot Ion: 78 Resp: 51887
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

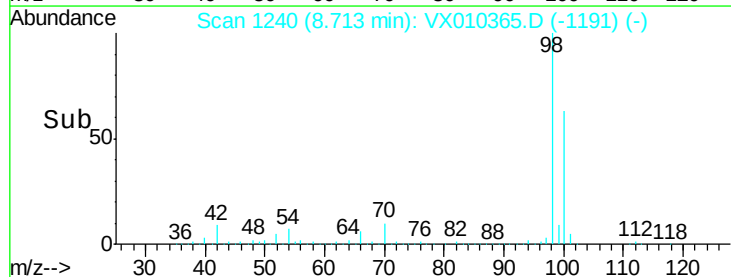
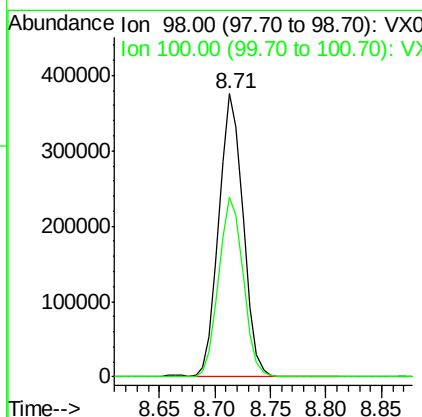
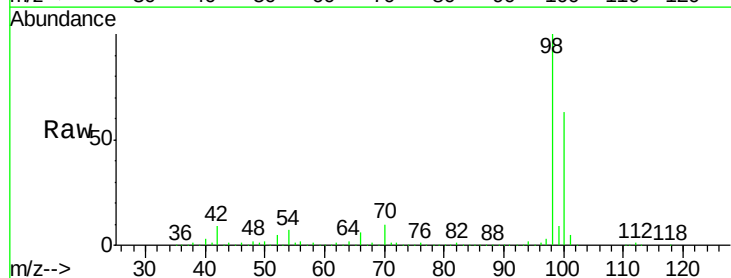
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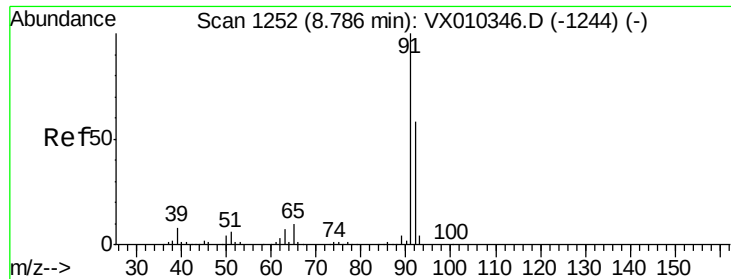
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#50
Toluene-d8
Concen: 50.623 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion: 98 Resp: 567792
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4





#52

Toluene

Concen: 1.933 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-061919

Tot Ion: 92 Resp: 15104

Ion Ratio Lower Upper

92 100

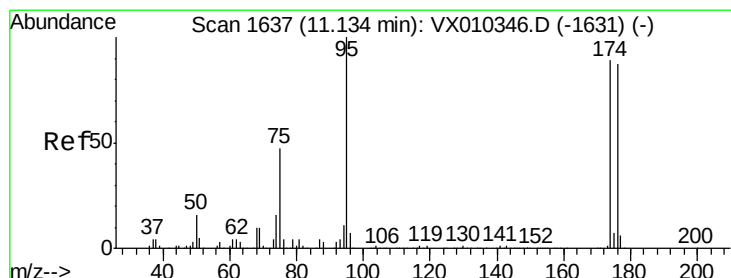
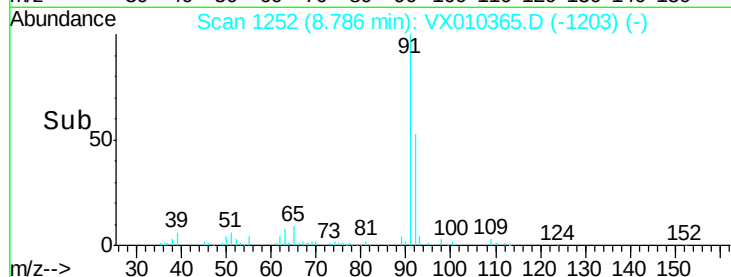
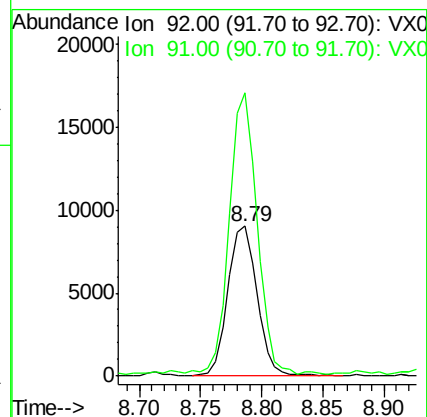
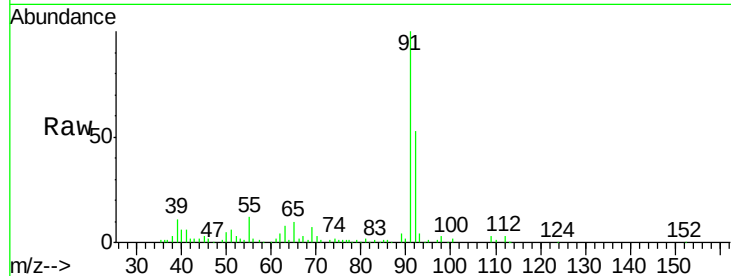
91 175.9 139.8 209.6

Manual Integrations

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6/21/2019 11:35:26 AM



#62

4-Bromofluorobenzene

Concen: 49.248 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

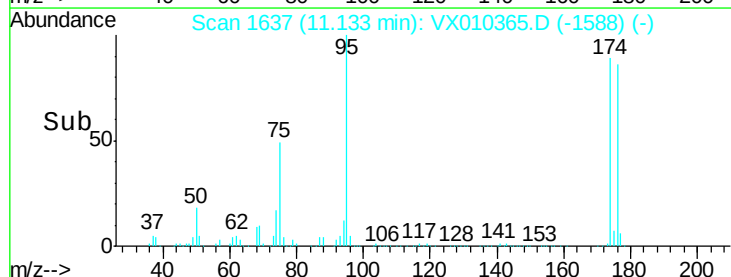
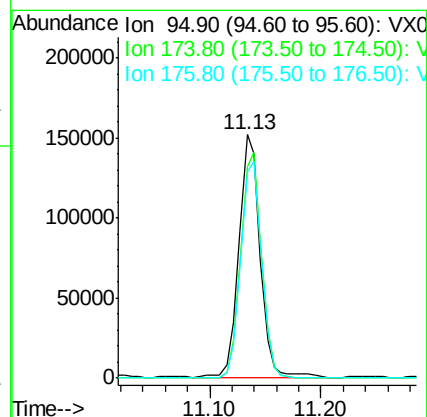
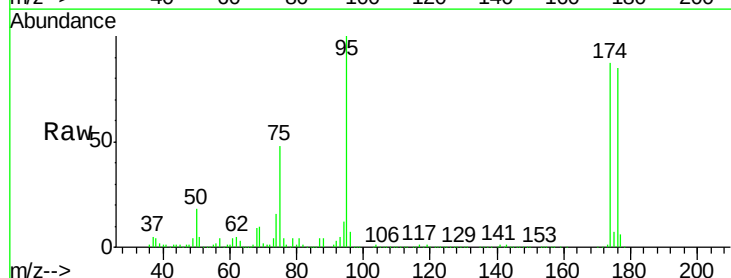
Tgt Ion: 95 Resp: 199421

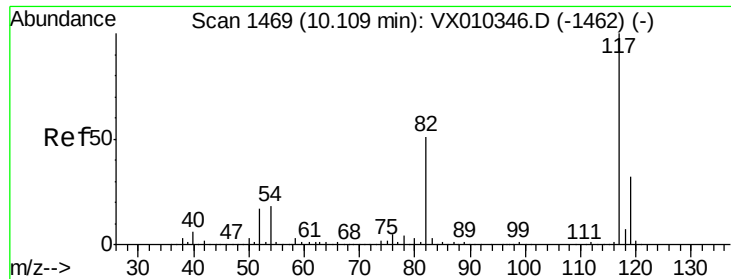
Ion Ratio Lower Upper

95 100

174 91.4 0.0 187.6

176 88.1 0.0 184.0





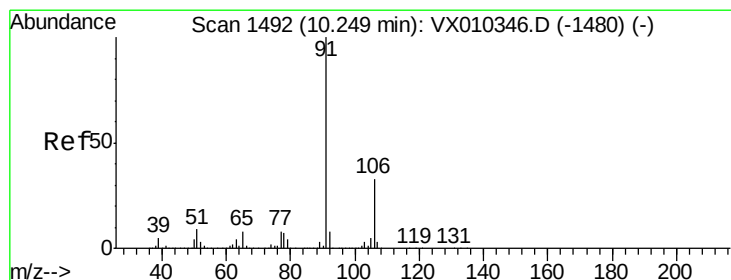
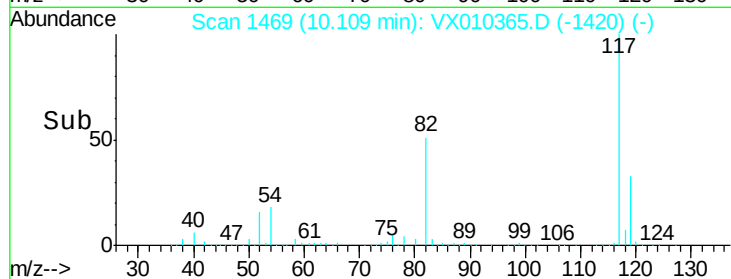
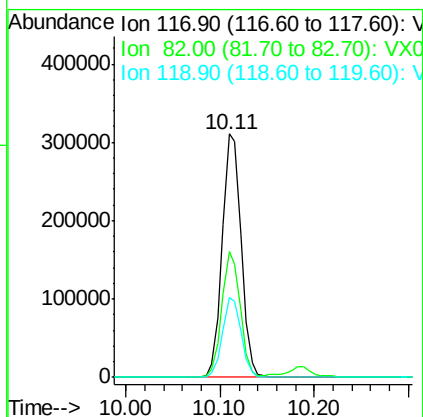
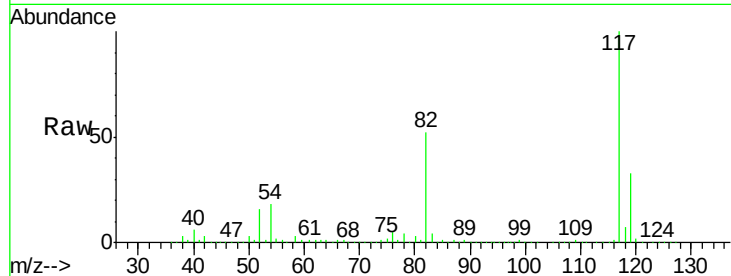
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.9	25.5	38.3

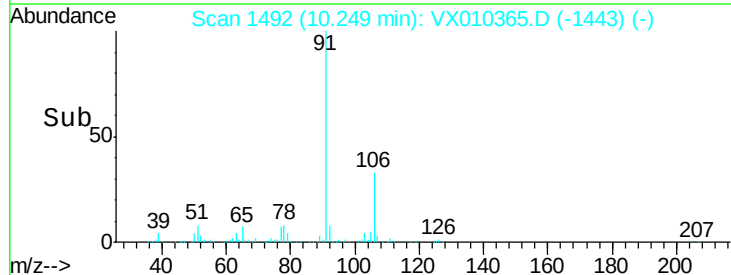
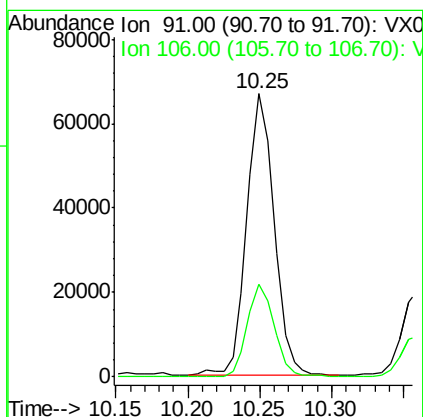
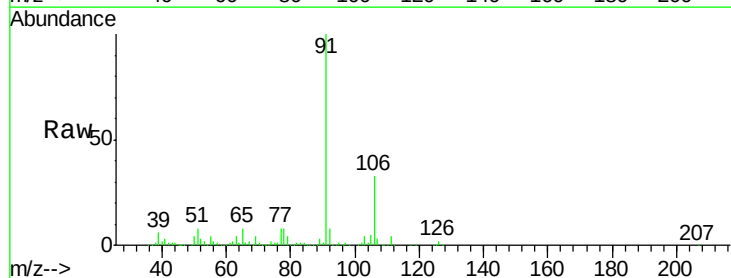
Manual Integrations
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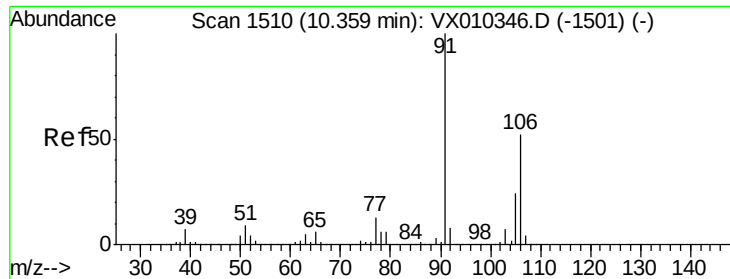
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6/21/2019 11:35:26 AM



#67
Ethyl Benzene
Concen: 5.969 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.8	26.2	39.2





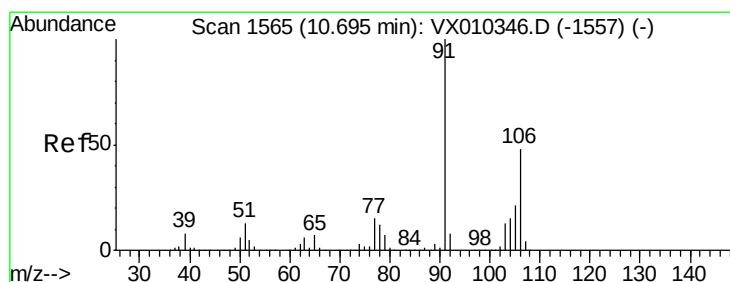
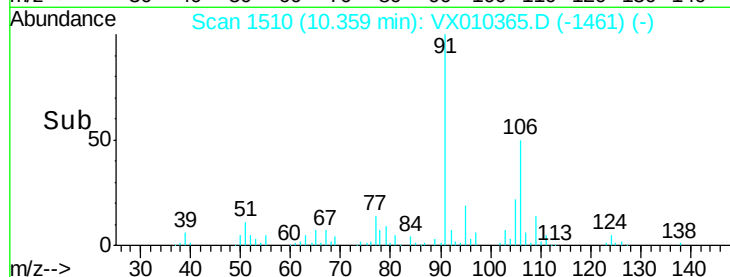
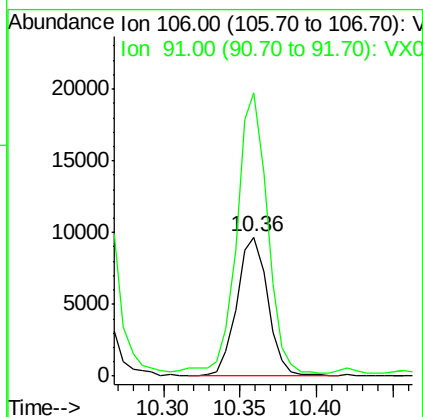
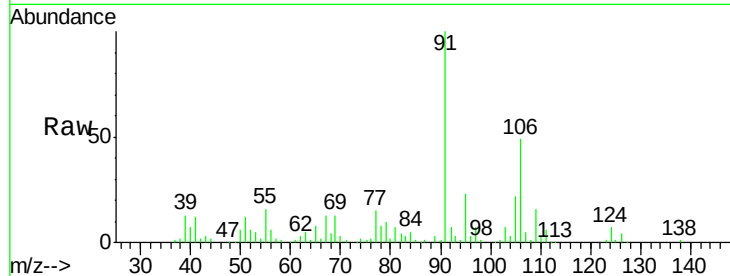
#68
m/p-Xylenes
Concen: 2.386 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

Tot Ion:106 Resp: 13707
Ion Ratio Lower Upper
106 100
91 197.4 155.3 232.9

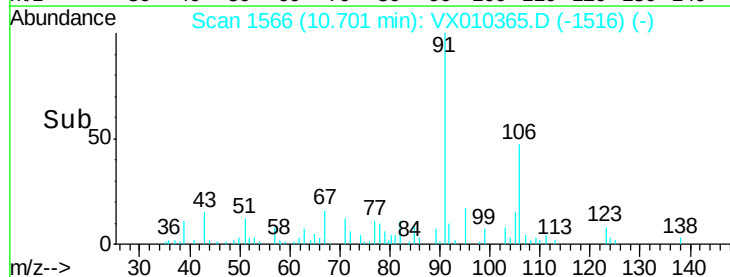
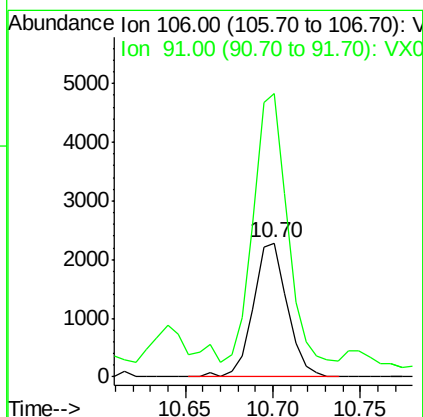
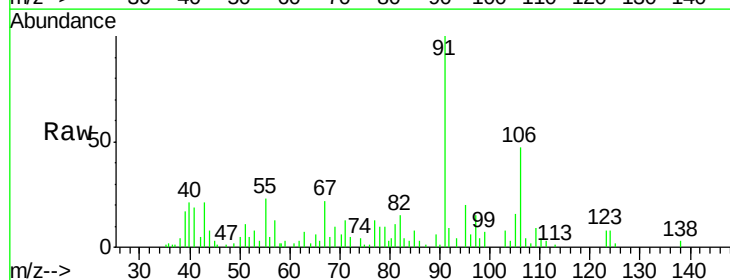
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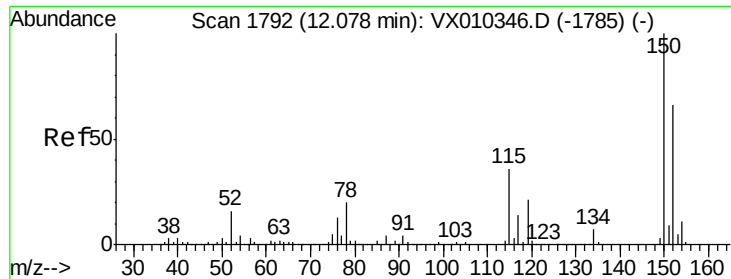
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#69
o-Xylene
Concen: 0.544 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion:106 Resp: 3075
Ion Ratio Lower Upper
106 100
91 206.9 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

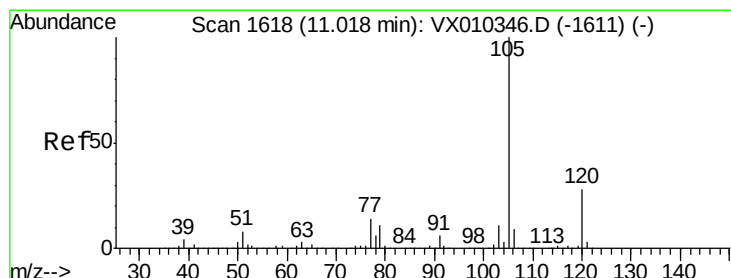
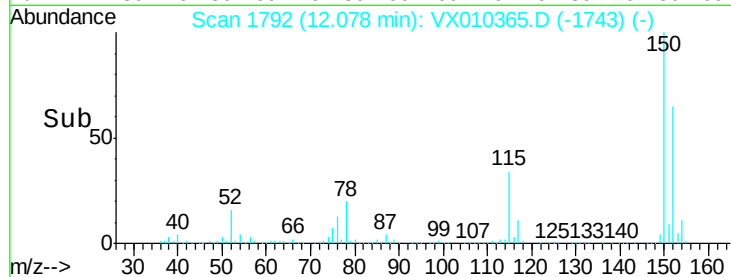
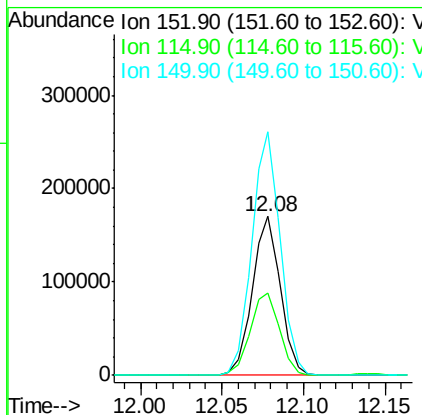
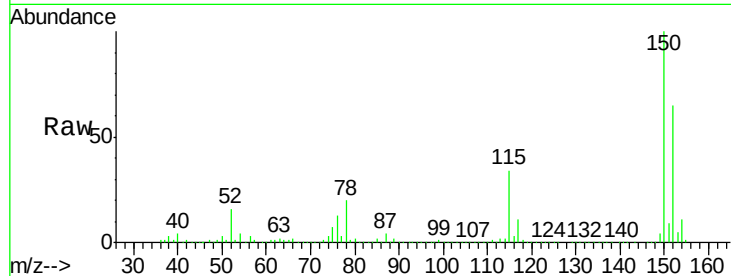
ClientSampleId :

T2-MW-4-8.0-061919

Tot Ion:	152	Resp:	203222
Ion Ratio	Lower	Upper	
152	100		
115	54.1	38.6	115.7
150	155.7	0.0	347.4

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#73

Isopropylbenzene

Concen: 113.854 ug/l

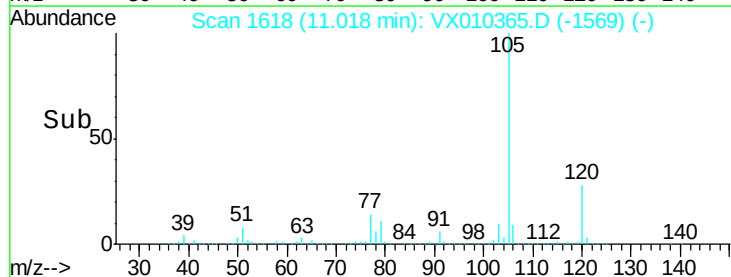
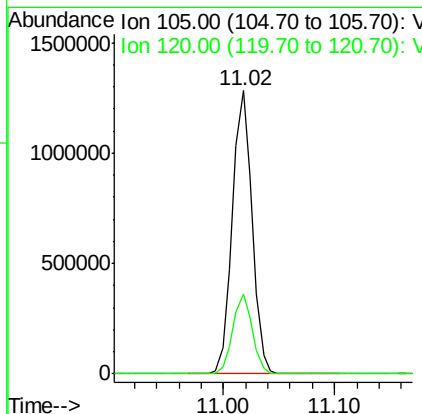
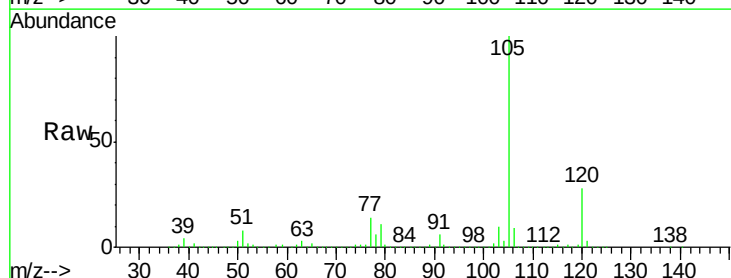
RT: 11.02 min Scan# 1618

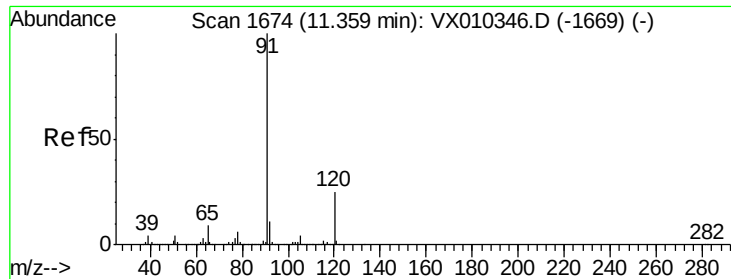
Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Tgt Ion:	105	Resp:	1568451
Ion Ratio	Lower	Upper	
105	100		
120	28.0	14.1	42.4





#78

n-propylbenzene

Concen: 255.408 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-061919

Tot Ion: 91 Resp: 3866973

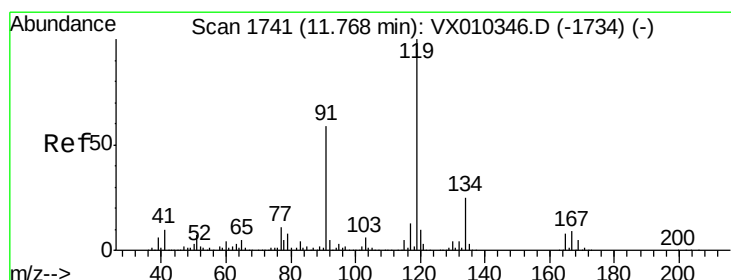
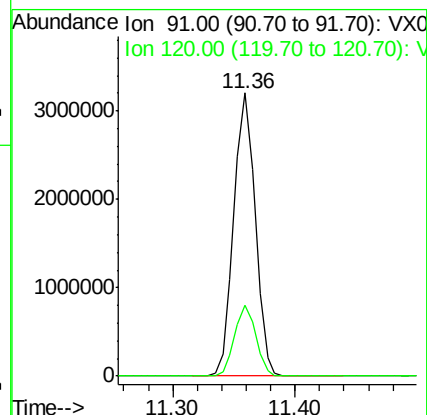
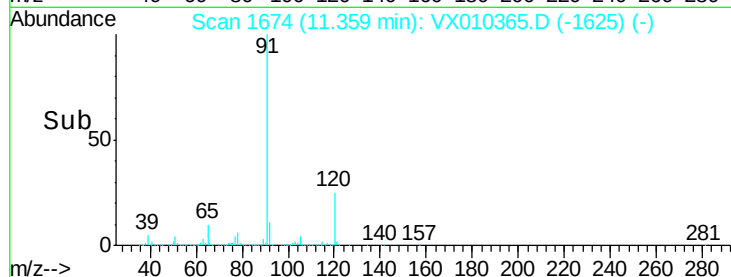
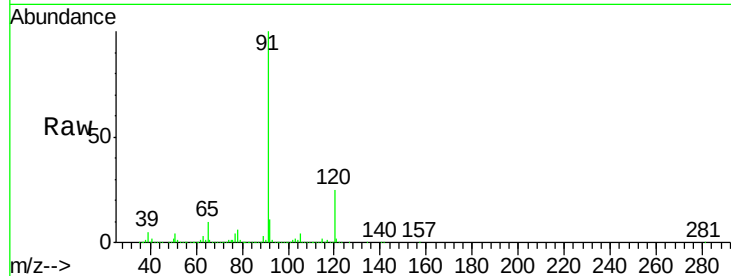
Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4

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#83

tert-Butylbenzene

Concen: 1.529 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

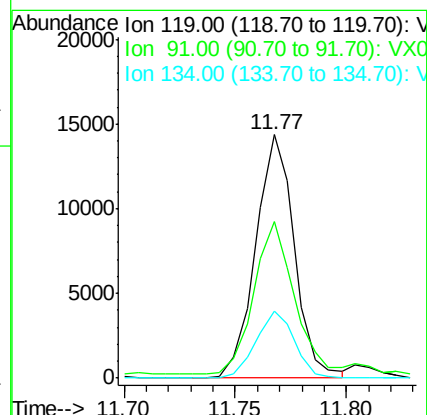
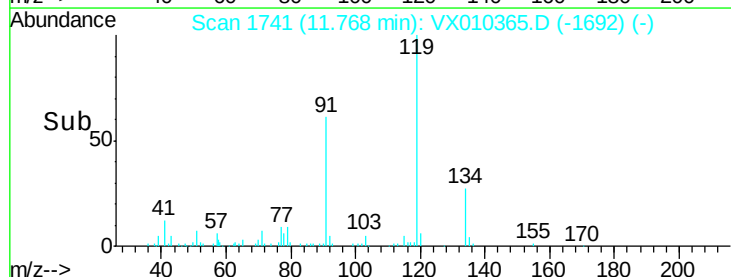
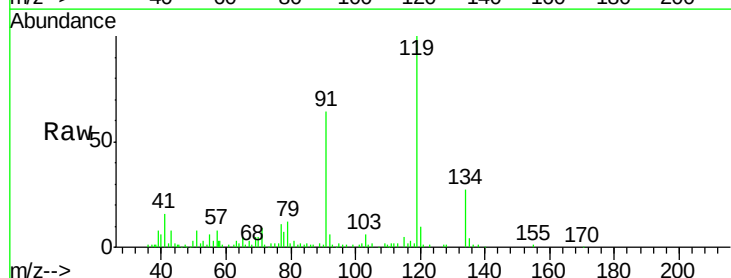
Tgt Ion: 119 Resp: 17425

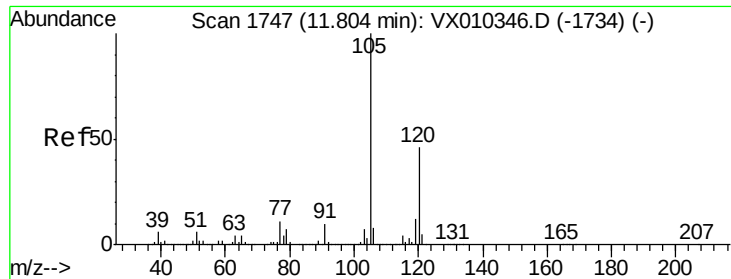
Ion Ratio Lower Upper

119 100

91 65.5 27.6 82.7

134 26.9 11.8 35.4





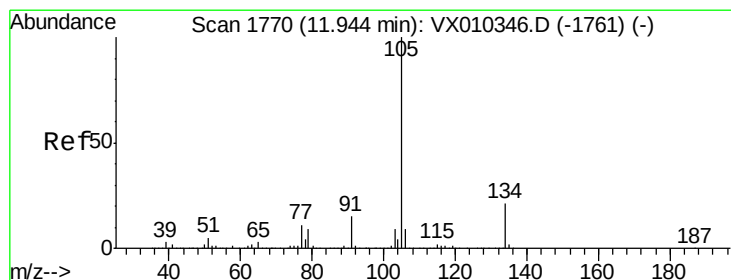
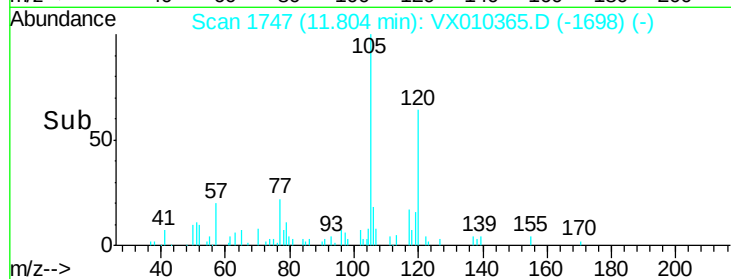
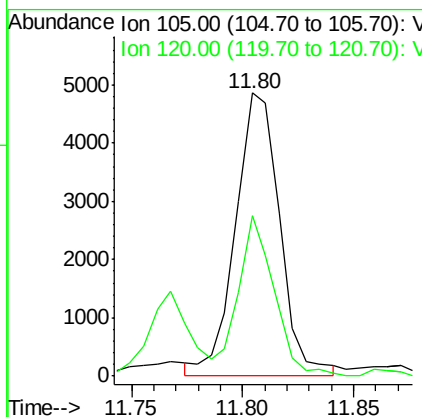
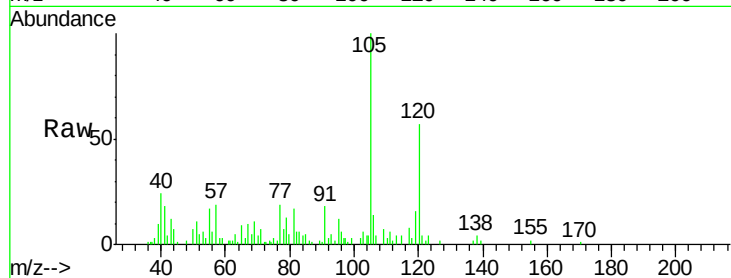
#84
 1,2,4-Trimethylbenzene
 Concen: 0.593 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-061919

Tot Ion	Ratio	Lower	Upper
105	100		
120	772.6	23.1	69.2#

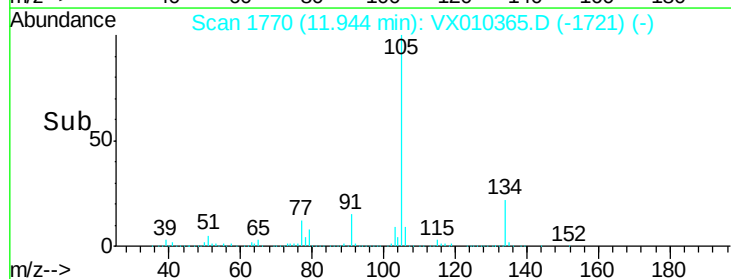
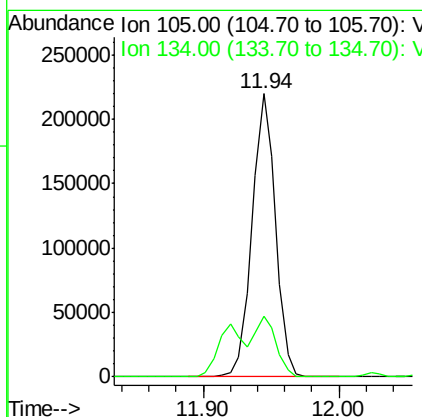
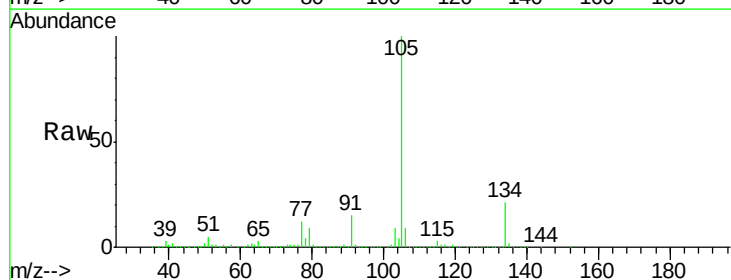
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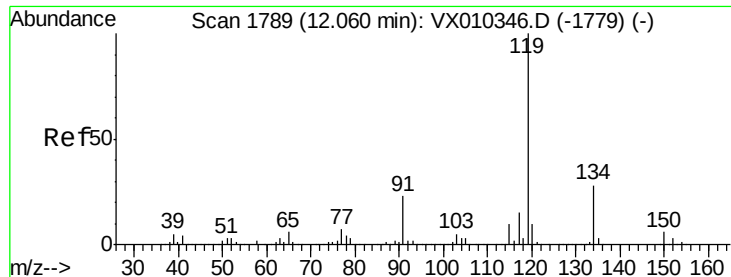
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#85
 sec-Butylbenzene
 Concen: 19.816 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.7	31.9





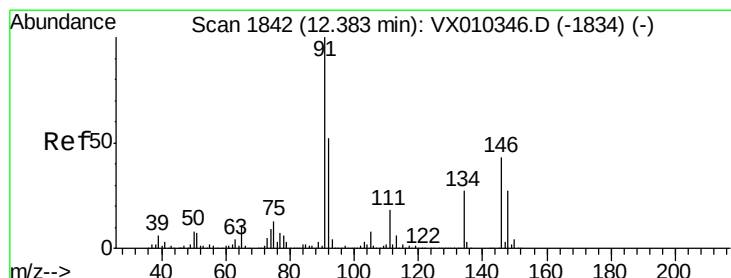
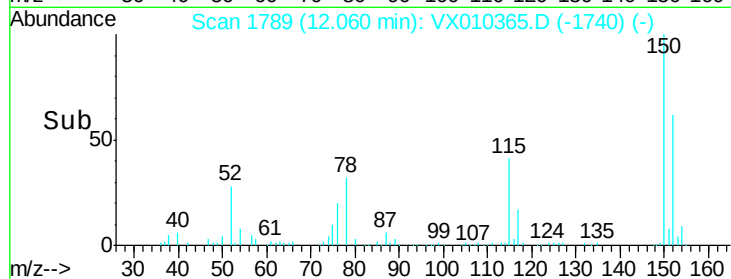
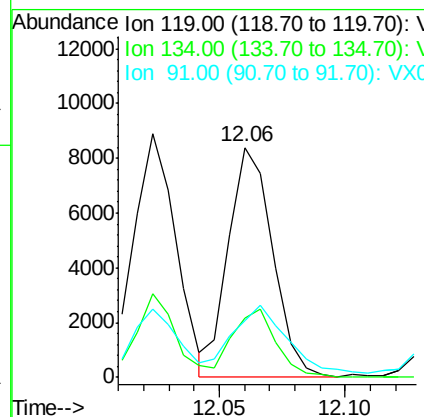
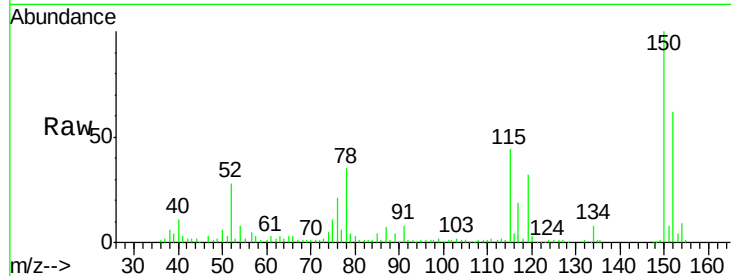
#86
 p-Isopropyltoluene
 Concen: 0.829 ug/l m
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10265		
134	173.2		13.7	41.1#
91	0.0		11.3	33.8#

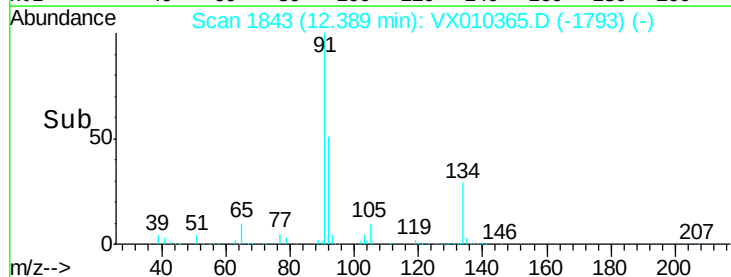
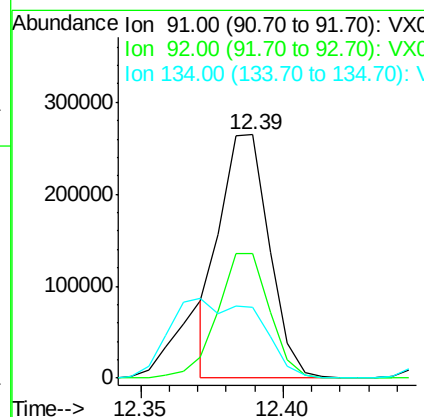
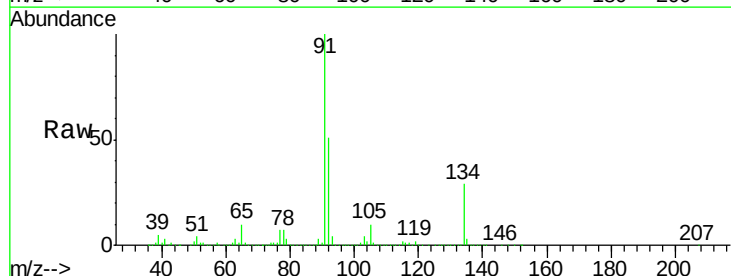
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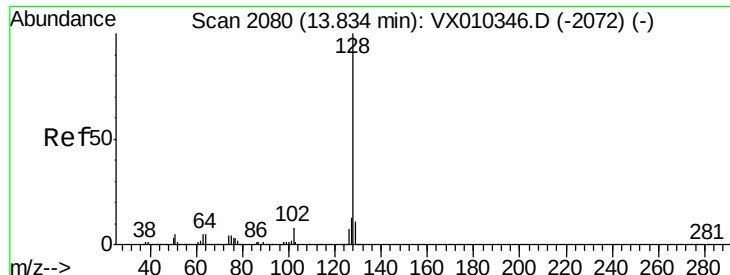
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#89
 n-Butylbenzene
 Concen: 30.162 ug/l m
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	317286		
92	54.6		26.2	78.5
134	59.5		14.1	42.4#





#95
Naphthalene
Concen: 119.195 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.6	8.9	13.3

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