

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010676.D
 Acq On : 04 Jul 2019 08:38
 Operator : JC/SP
 Sample : K3664-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0579

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:58:43 AM

Quant Time: Jul 05 03:12:48 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	243291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121277	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
35) Dibromofluoromethane	5.50	113	111644	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	446961	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.13	95	157849	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	10478	9.165	ug/l #	86
25) 2-Butanone	4.68	43	8075	4.815	ug/l	99
31) Cyclohexane	5.59	56	388578	117.933	ug/l	95
39) Methylcyclohexane	7.46	83	643676	166.161	ug/l	97
40) Benzene	6.15	78	54854	5.974	ug/l	100
67) Ethyl Benzene	10.25	91	690212	58.586	ug/l	99
68) m/p-Xylenes	10.36	106	215801	47.274	ug/l	98
69) o-Xylene	10.69	106	8511	1.896	ug/l	95
73) Isopropylbenzene	11.02	105	474607	39.778	ug/l	99
78) n-propylbenzene	11.36	91	813828	62.061	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	34191m	3.476	ug/l	
83) tert-Butylbenzene	11.77	119	9803m	0.993	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2836964	287.078	ug/l	100
85) sec-Butylbenzene	11.94	105	121072	10.445	ug/l	82
86) p-Isopropyltoluene	12.06	119	54632	5.095	ug/l	98
89) n-Butylbenzene	12.38	91	57342m	6.294	ug/l	
95) Naphthalene	13.83	128	361504	29.348	ug/l	99

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

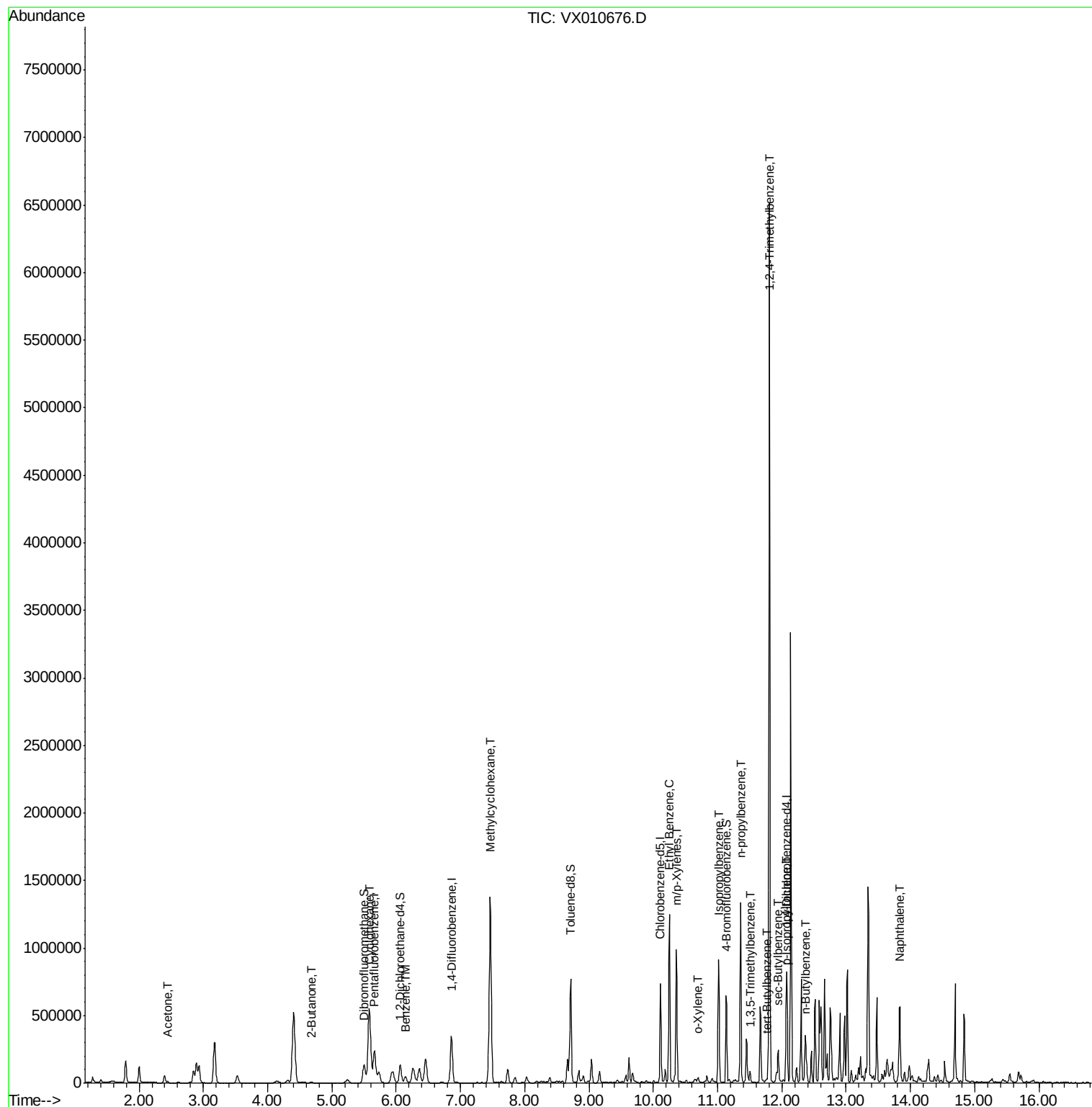
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010676.D
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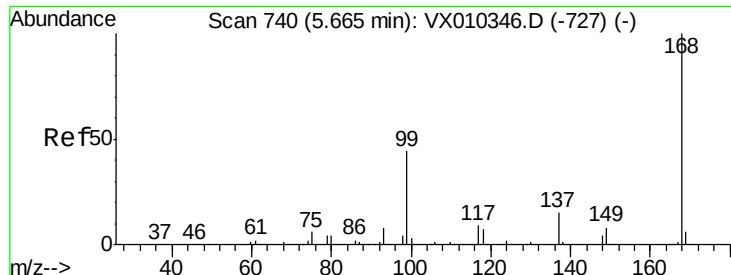
Instrument :
MSVOA_X
ClientSampleId :
FL-0579

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Quant Time: Jul 05 03:12:48 2019
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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: VX010676.D

Acq: 04 Jul 2019 08:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0579

Tot Ion:168 Resp: 243291

Ion Ratio Lower Upper

168 100

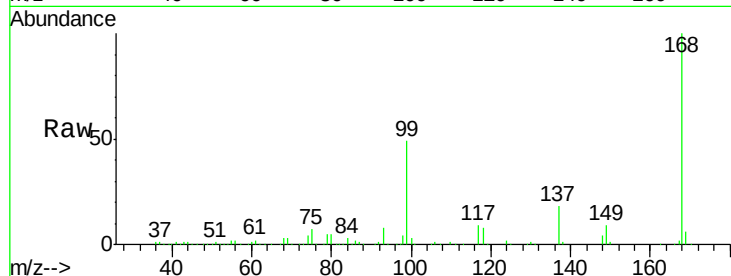
99 49.2 35.5 53.3

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

80000

60000

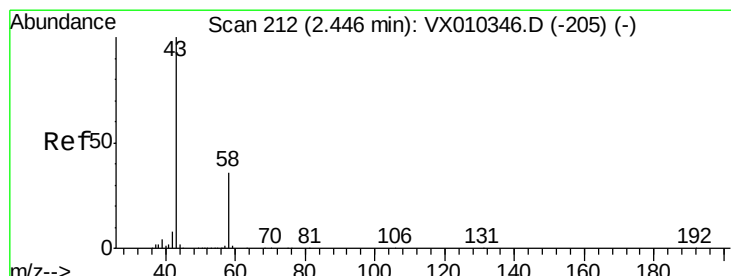
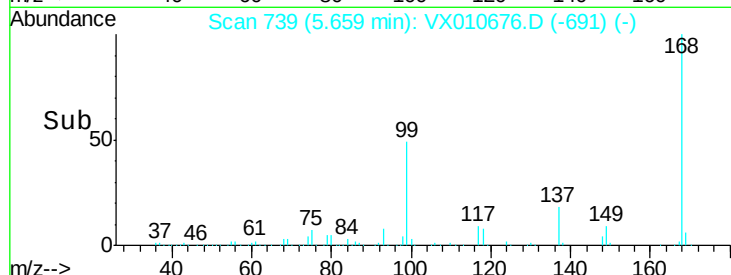
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.165 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010676.D

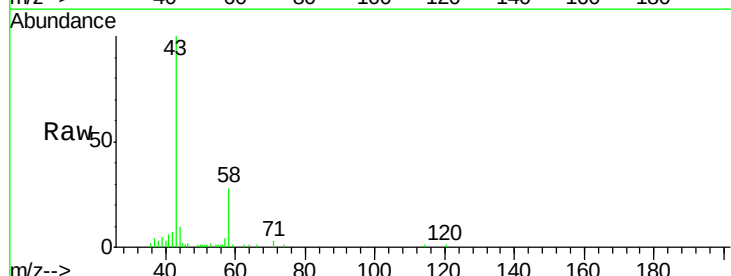
Acq: 04 Jul 2019 08:38

Tgt Ion: 43 Resp: 10478

Ion Ratio Lower Upper

43 100

58 27.6 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

6000

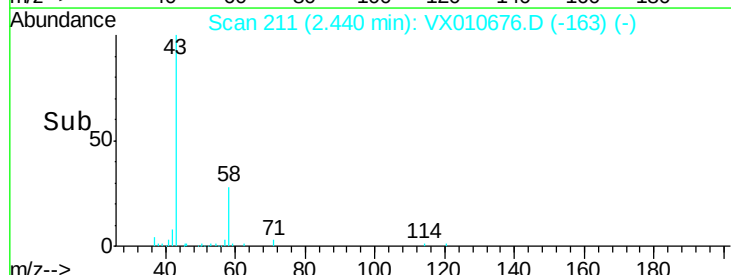
4000

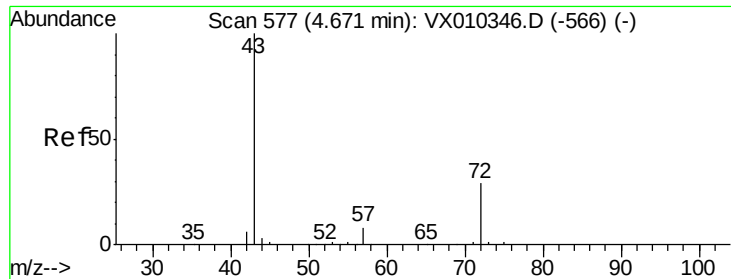
2000

0

Time-->

2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 4.815 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

Instrument :

MSVOA_X

ClientSampled :

FL-0579

Tot Ion: 43 Resp: 8075

Ion Ratio Lower Upper

43 100

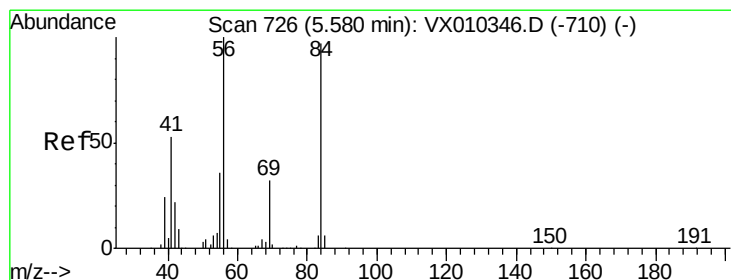
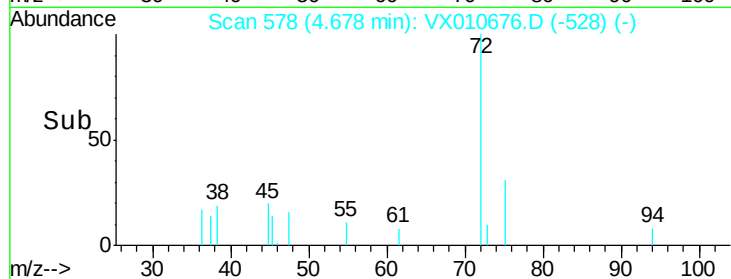
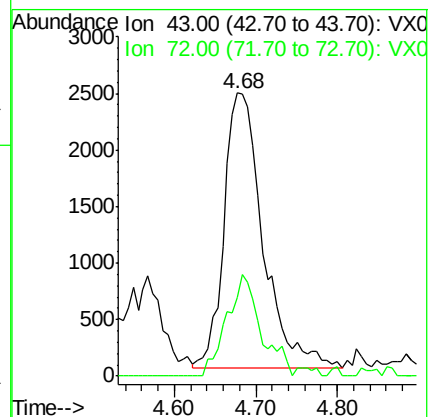
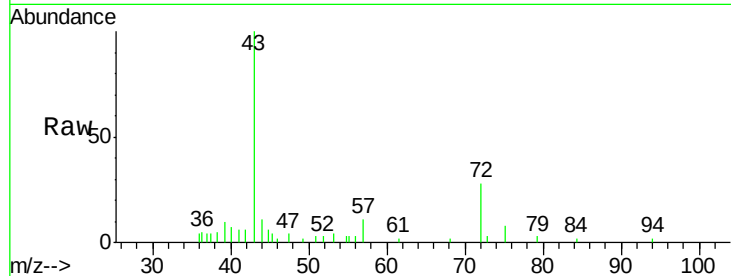
72 28.4 23.3 34.9

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#31

Cyclohexane

Concen: 117.933 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

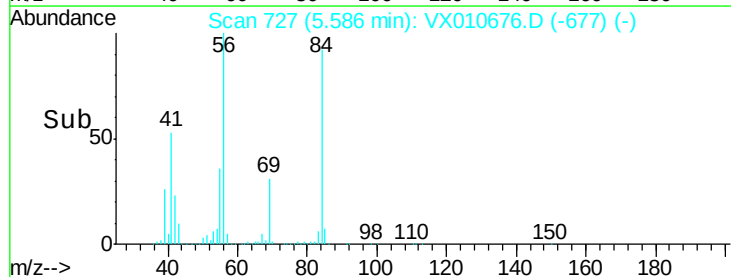
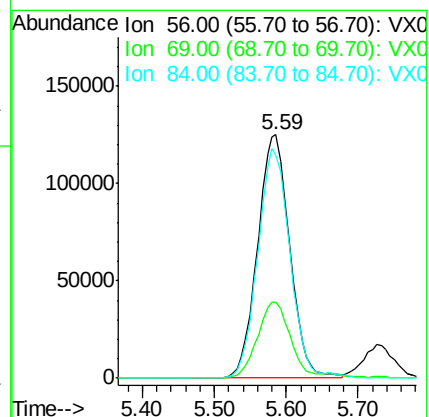
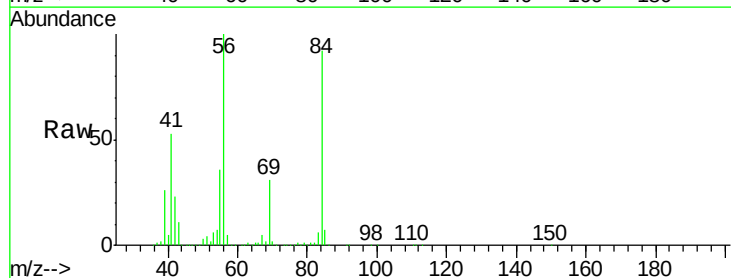
Tgt Ion: 56 Resp: 388578

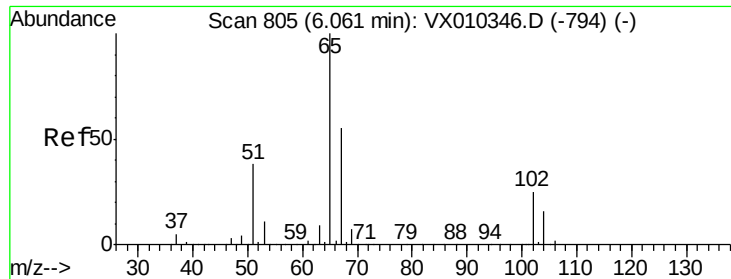
Ion Ratio Lower Upper

56 100

69 31.1 25.9 38.9

84 91.6 78.0 117.0





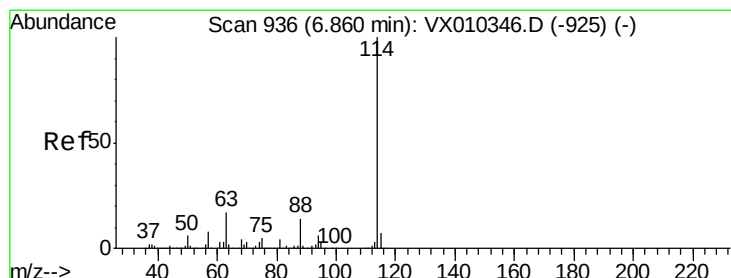
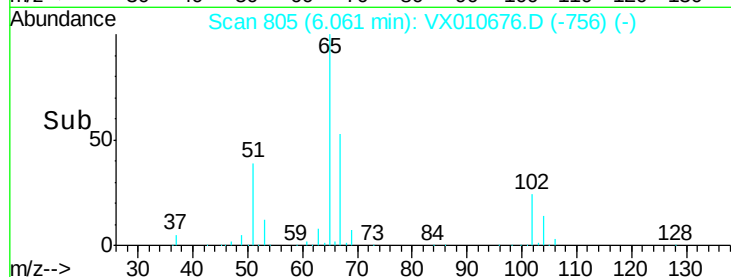
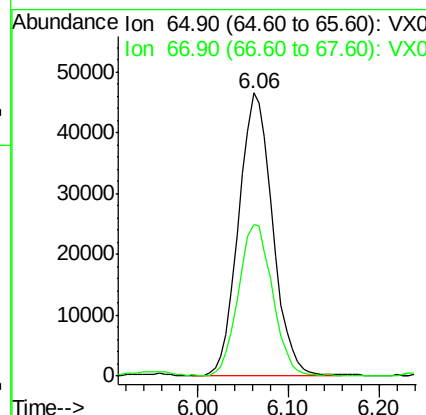
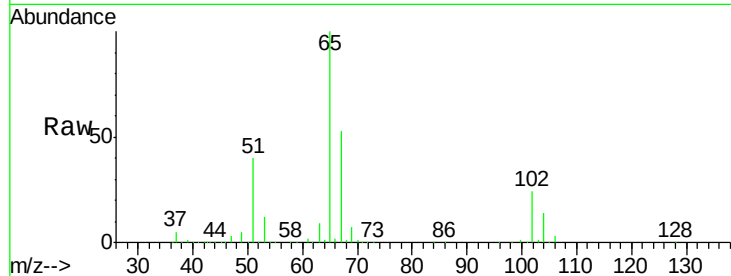
#33
 1,2-Dichloroethane-d4
 Concen: 53.166 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0579

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	110.2

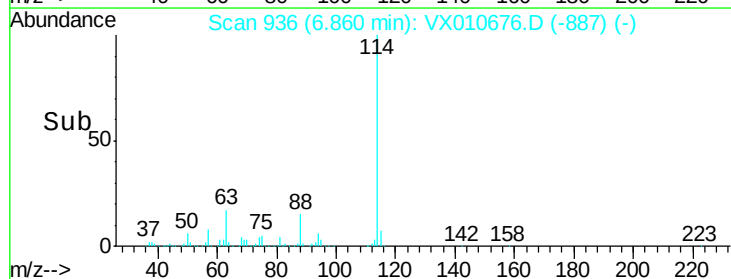
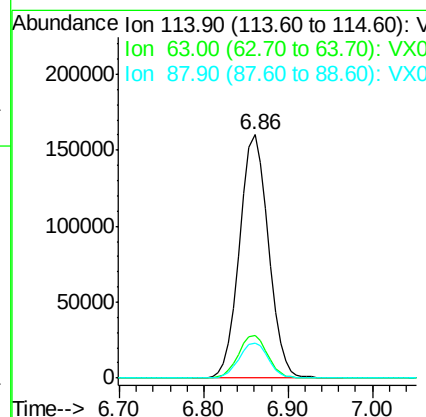
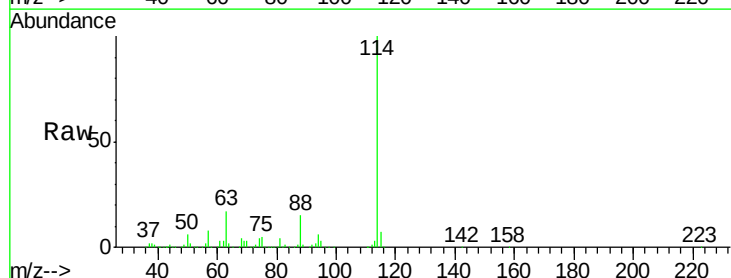
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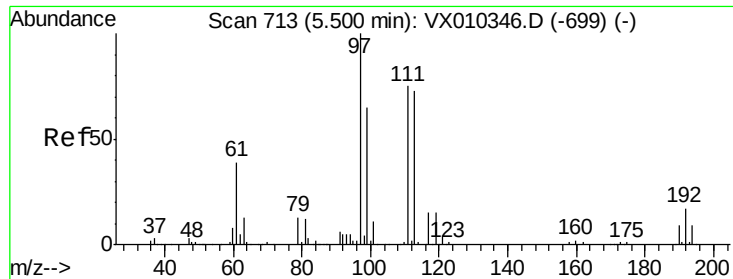
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	33.8
88	14.6	0.0	27.6





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

Instrument :

MSVOA_X

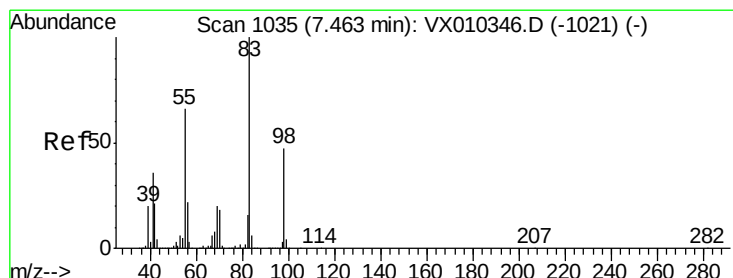
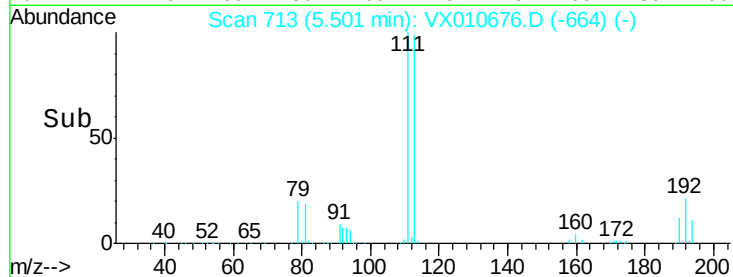
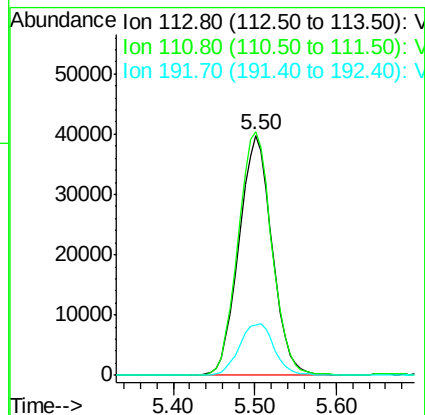
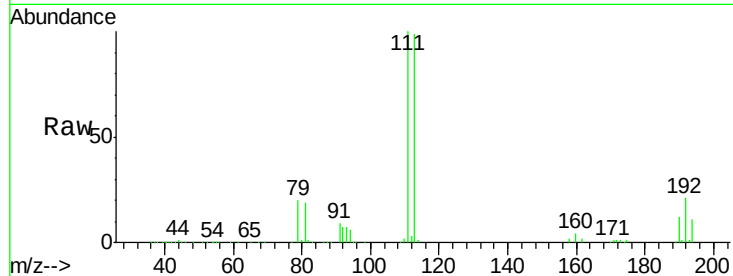
ClientSampled :

FL-0579

Tot Ion:	113	Resp:	111644
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.2	121.8
192	22.8	18.6	27.8

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#39

Methylcyclohexane

Concen: 166.161 ug/l

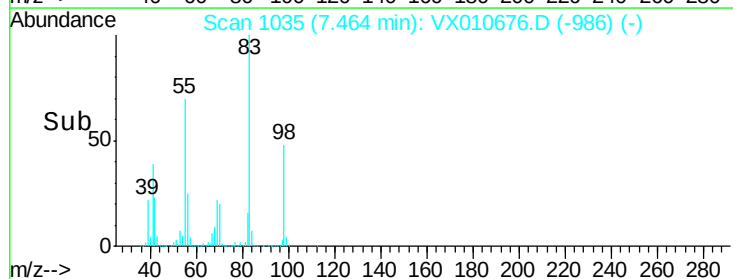
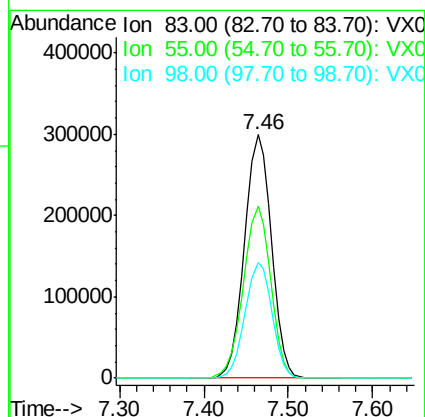
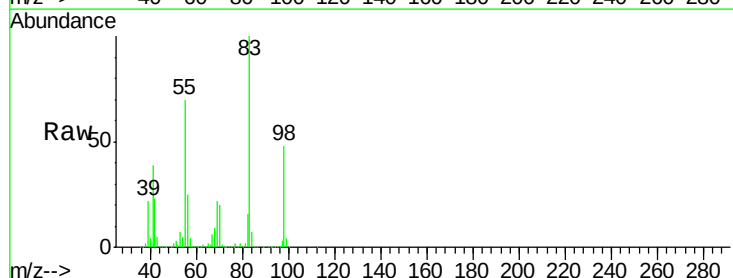
RT: 7.46 min Scan# 1035

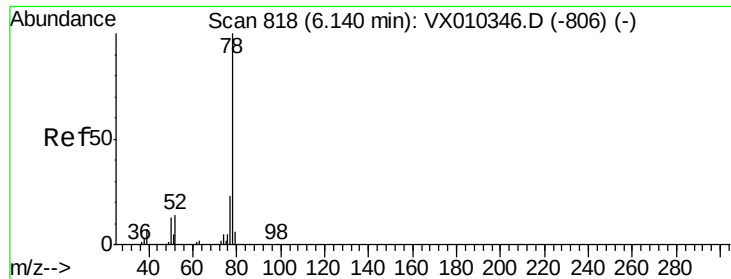
Delta R.T. 0.00 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

Tgt Ion:	83	Resp:	643676
Ion	Ratio	Lower	Upper
83	100		
55	70.4	53.0	79.6
98	47.6	37.8	56.8





#40

Benzene

Concen: 5.974 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

Instrument :

MSVOA_X

ClientSampled :

FL-0579

Tot Ion: 78 Resp: 54854

Ion Ratio Lower Upper

78 100

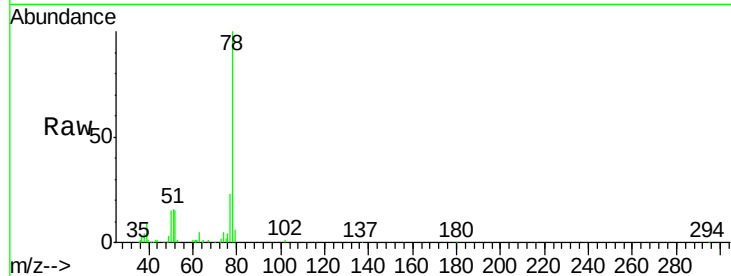
77 23.1 18.6 28.0

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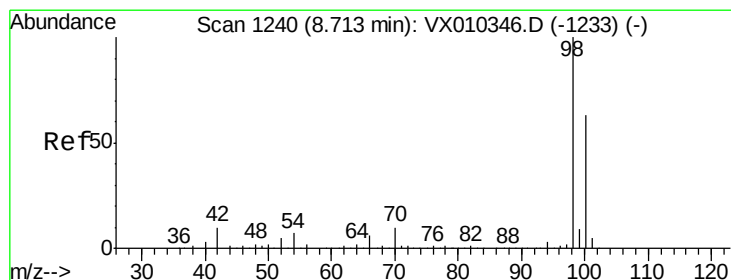
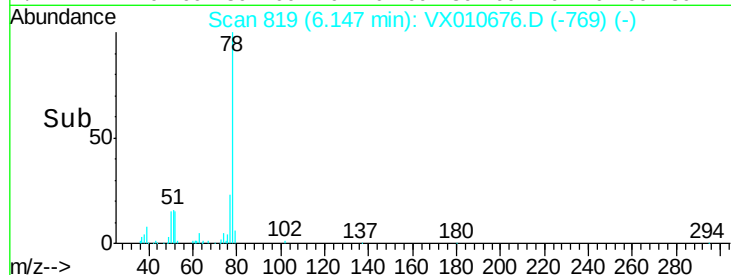
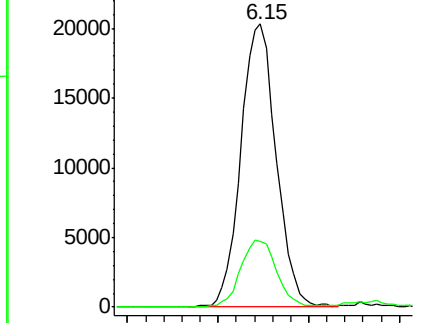
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.488 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010676.D

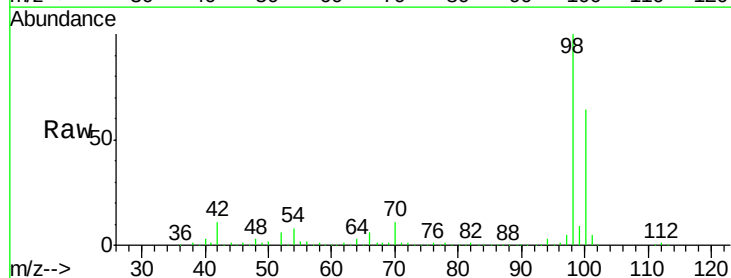
Acq: 04 Jul 2019 08:38

Tgt Ion: 98 Resp: 446961

Ion Ratio Lower Upper

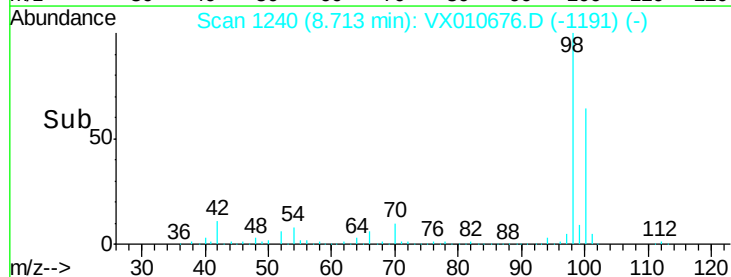
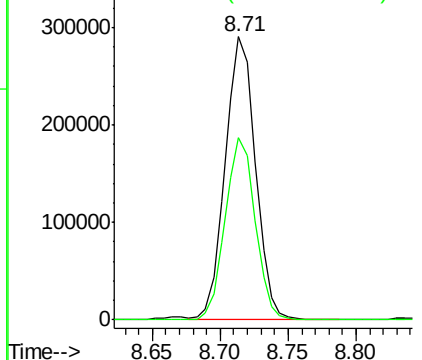
98 100

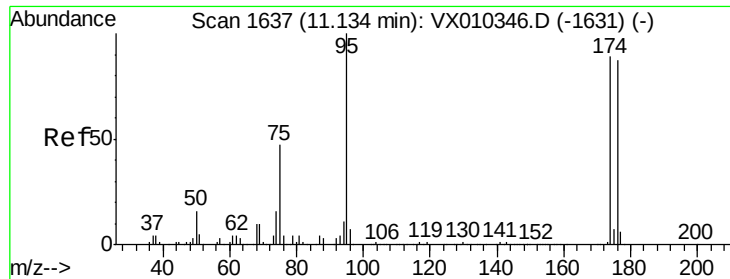
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





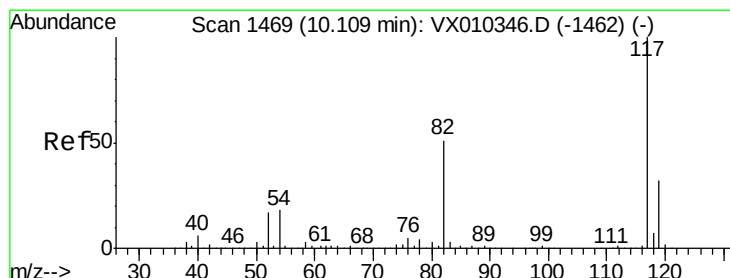
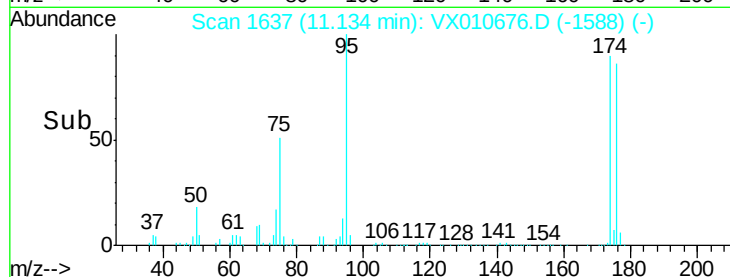
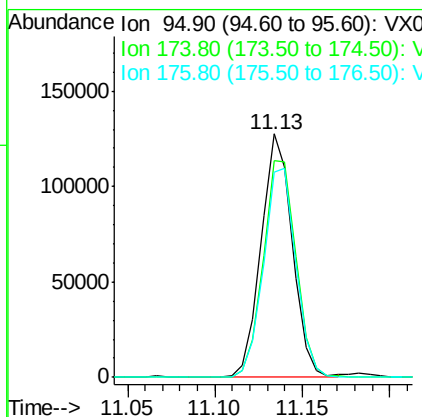
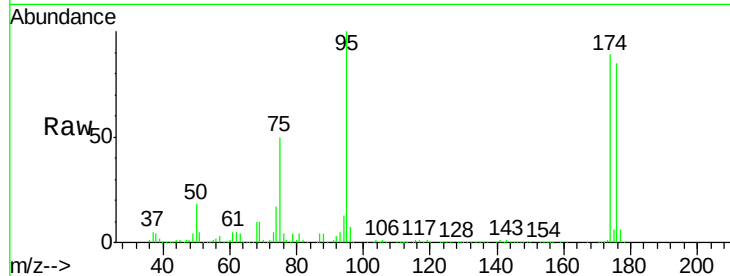
#62
4-Bromofluorobenzene
Concen: 50.366 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0579

Tot Ion	Ratio	Resp	Lower	Upper
95	100	157849		
174	94.0	0.0	187.6	
176	89.7	0.0	184.0	

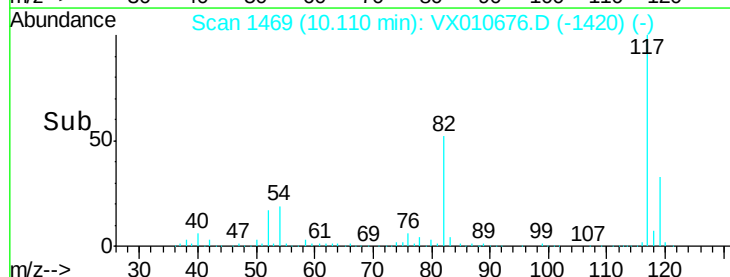
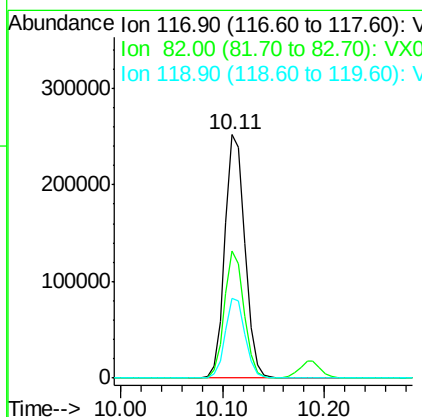
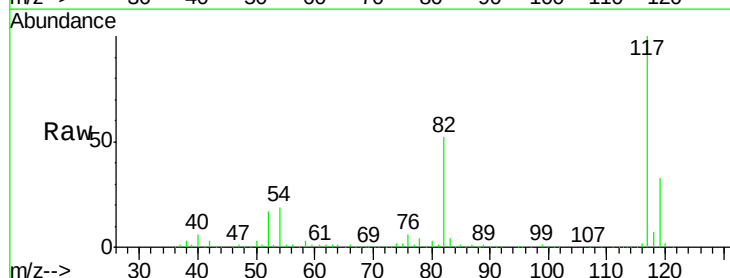
Manual Integrations
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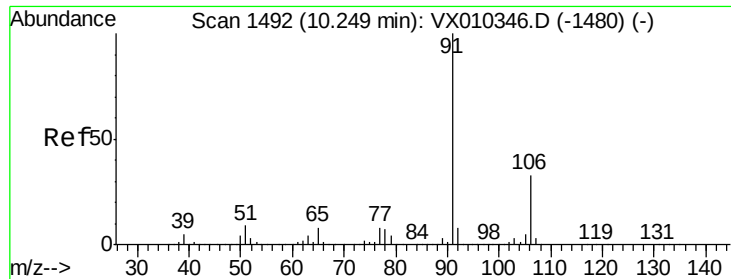
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7/8/2019 10:58:43 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	343735		
82	52.0	41.2	61.8	
119	32.8	25.5	38.3	





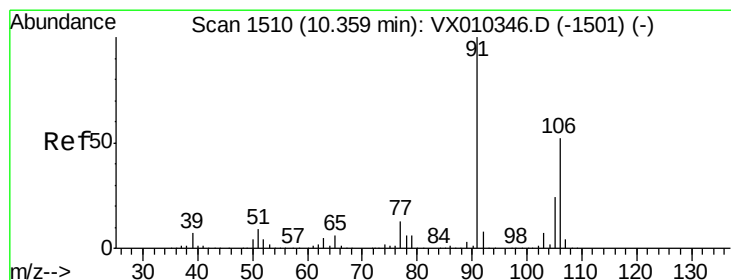
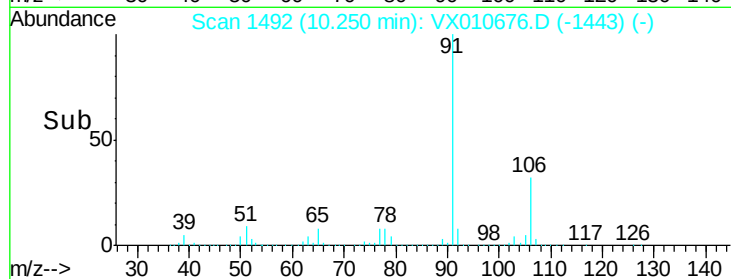
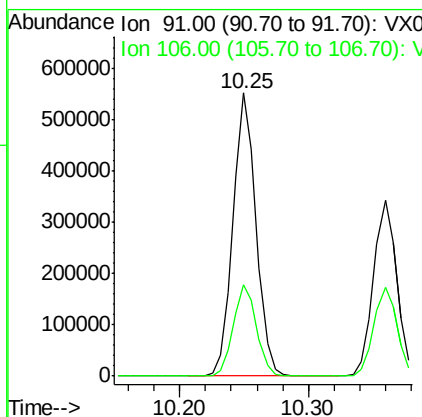
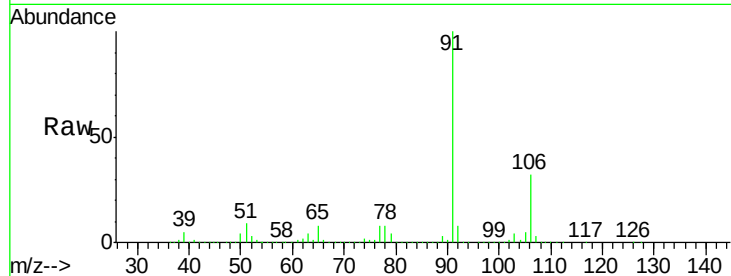
#67
Ethyl Benzene
Concen: 58.586 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Instrument :
MSVOA_X
ClientSampled :
FL-0579

Tot Ion: 91 Resp: 690212
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.2

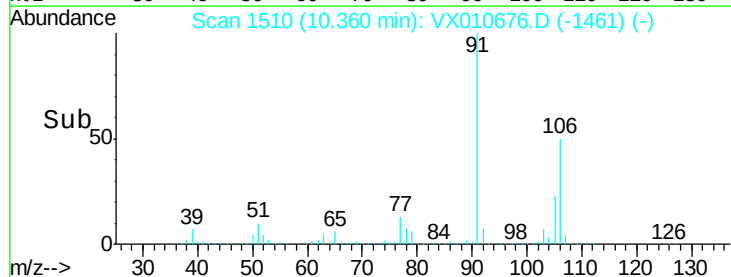
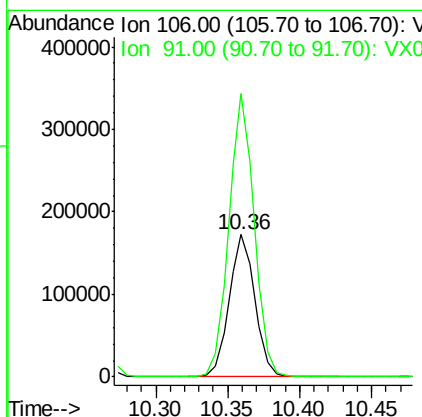
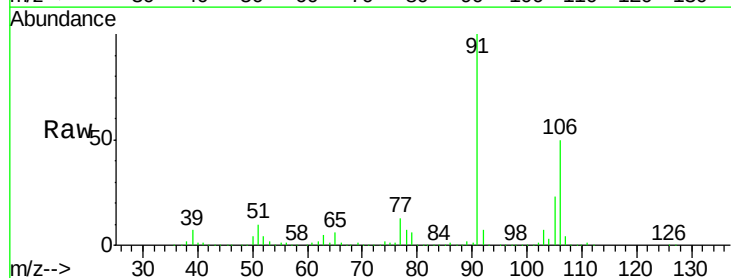
Manual Integrations
APPROVED

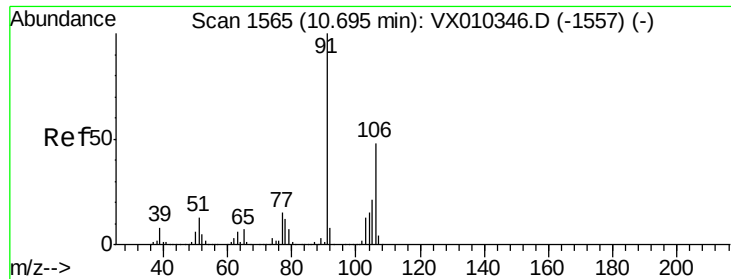
MMDadoda
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#68
m/p-Xylenes
Concen: 47.274 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Tgt Ion: 106 Resp: 215801
Ion Ratio Lower Upper
106 100
91 196.9 155.3 232.9





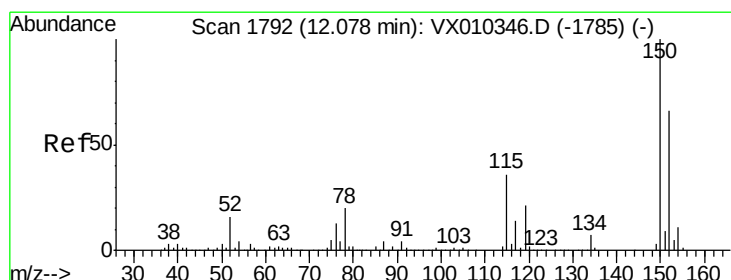
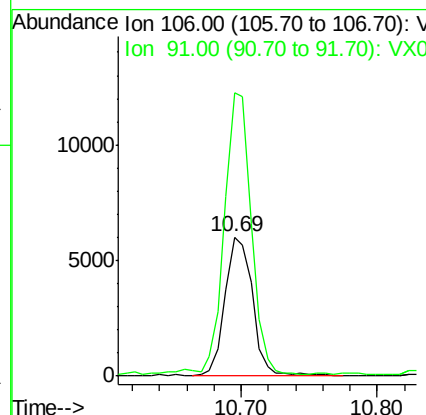
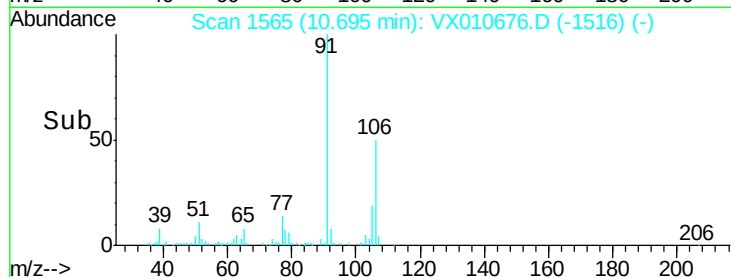
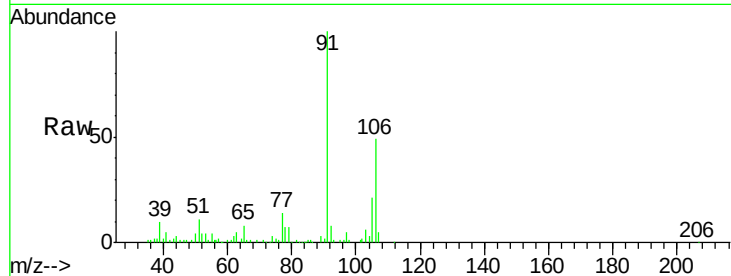
#69
o-Xylene
Concen: 1.896 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Instrument :
MSVOA_X
ClientSampled :
FL-0579

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.3	102.7	308.1

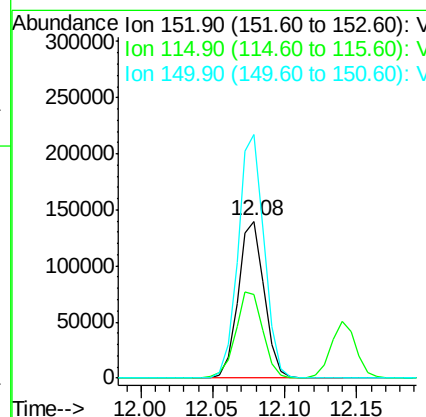
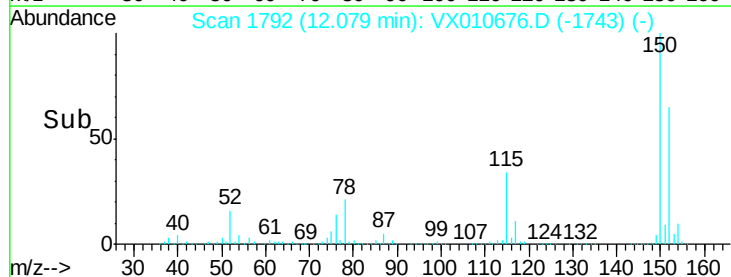
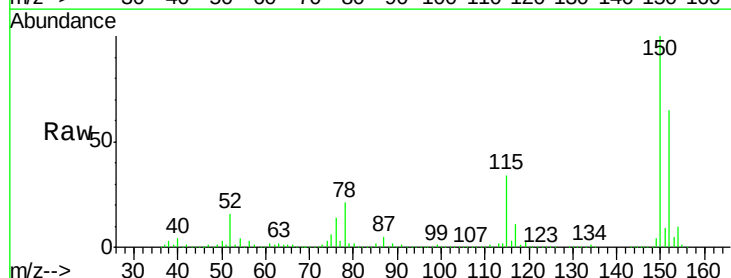
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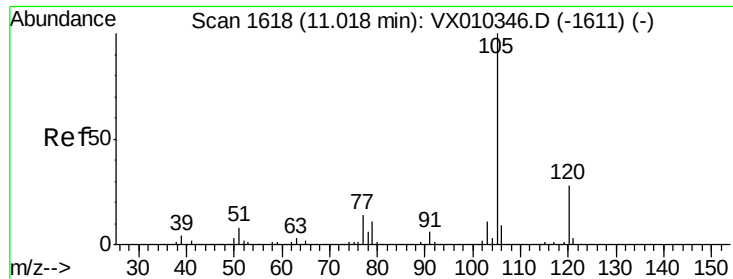
MMDadoda
7/8/2019 10:58:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	38.6	115.7
150	155.9	0.0	347.4





#73

Isopropylbenzene

Concen: 39.778 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010676.D

Acq: 04 Jul 2019 08:38

Instrument :

MSVOA_X

ClientSampled :

FL-0579

Tot Ion:105 Resp: 474607

Ion Ratio Lower Upper

105 100

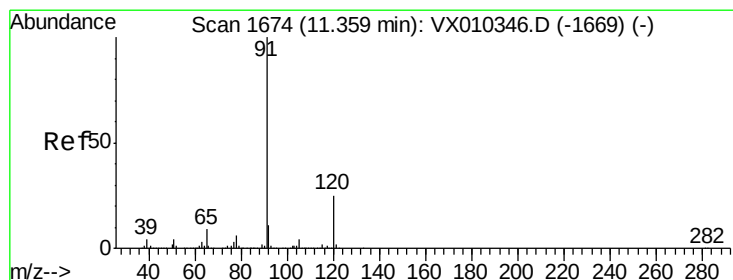
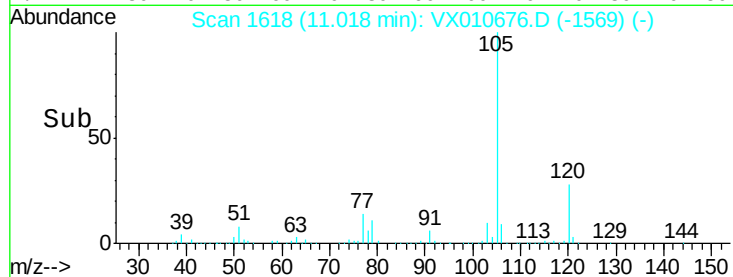
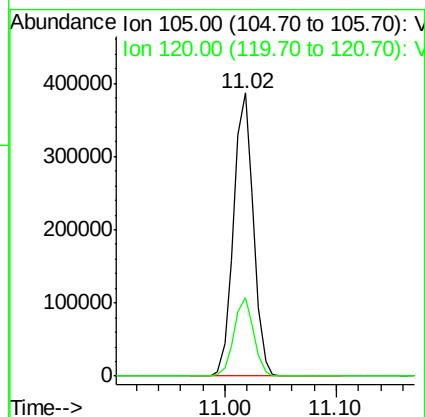
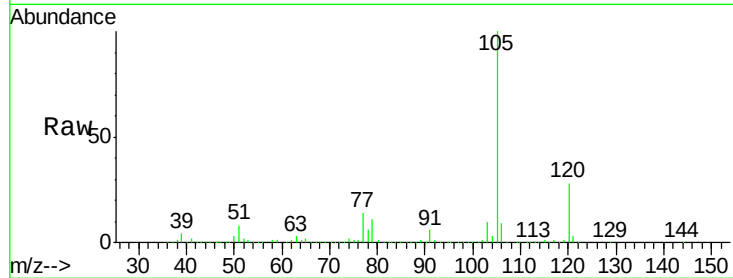
120 27.5 14.1 42.4

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#78

n-propylbenzene

Concen: 62.061 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010676.D

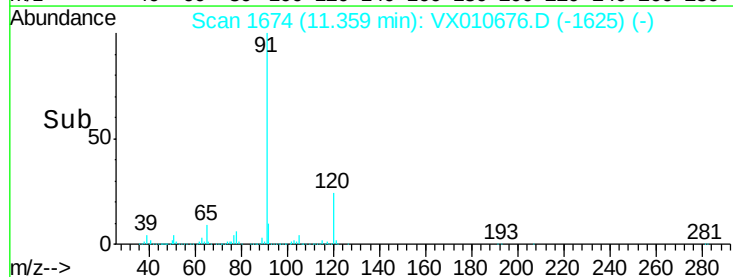
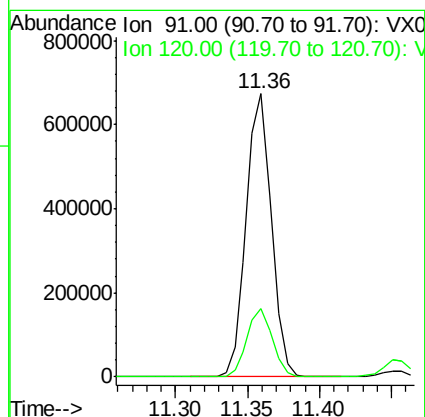
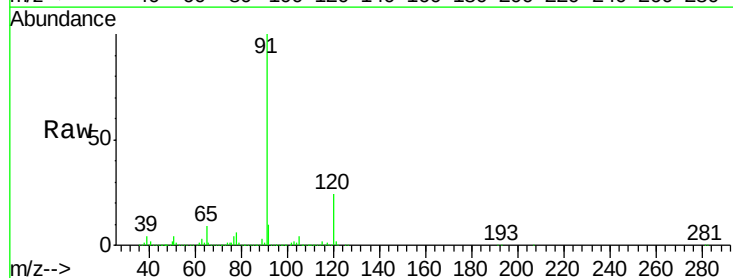
Acq: 04 Jul 2019 08:38

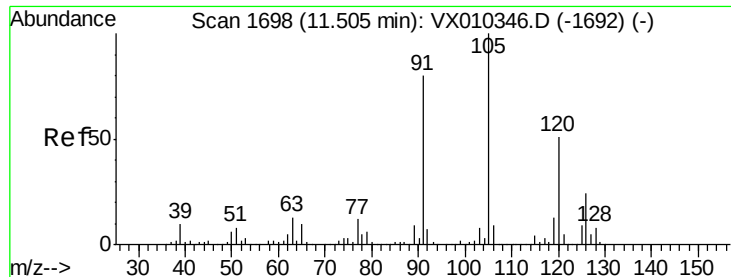
Tgt Ion: 91 Resp: 813828

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.4





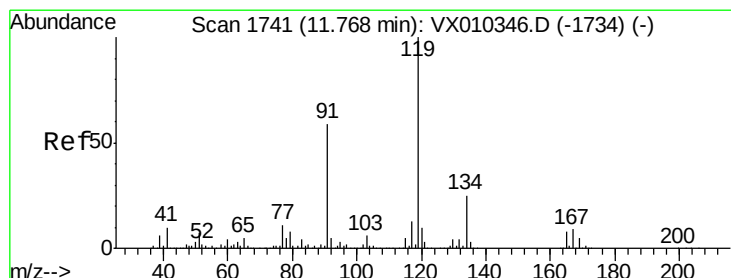
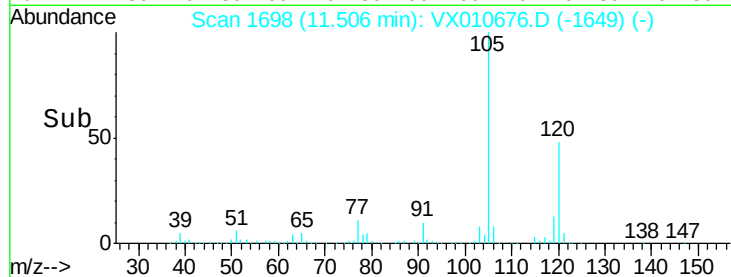
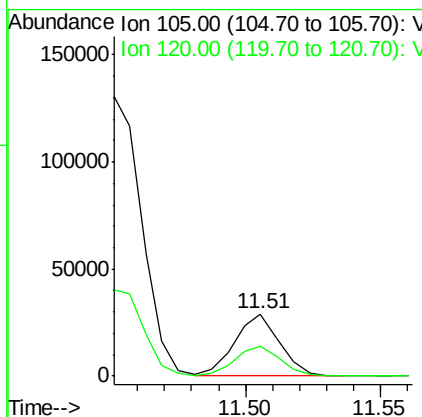
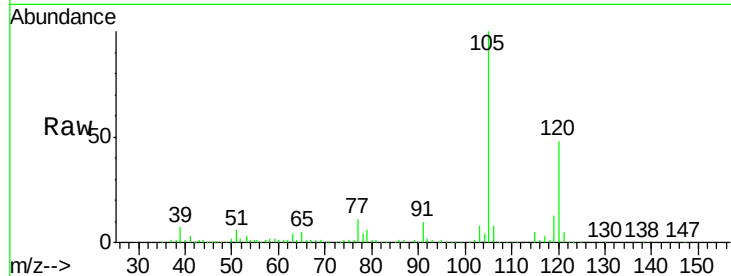
#80
 1,3,5-Trimethylbenzene
 Concen: 3.476 ug/l m
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0579

Tot Ion:105 Resp: 34191
 Ion Ratio Lower Upper
 105 100
 120 150.7 25.2 75.6#

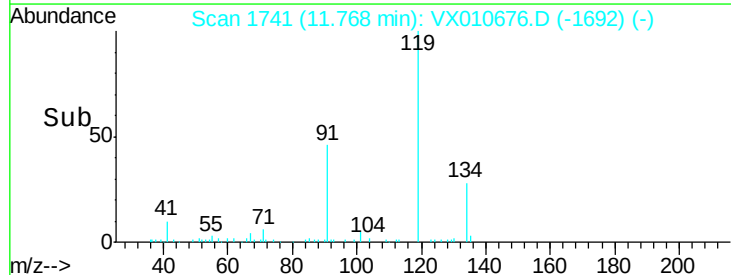
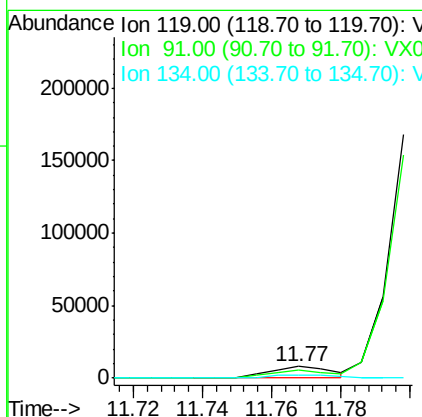
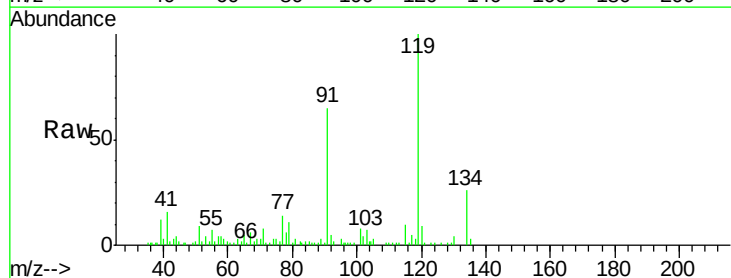
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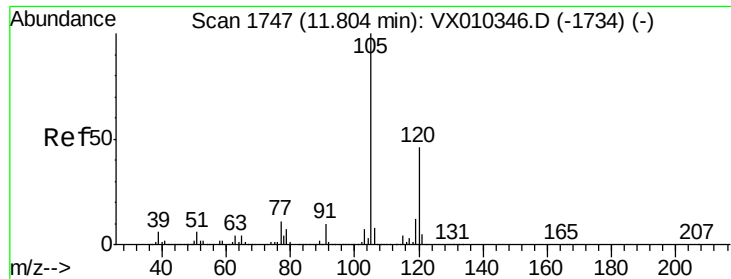
MMDadoda
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#83
 tert-Butylbenzene
 Concen: 0.993 ug/l m
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Tgt Ion:119 Resp: 9803
 Ion Ratio Lower Upper
 119 100
 91 3136.6 27.6 82.7#
 134 0.0 11.8 35.4#





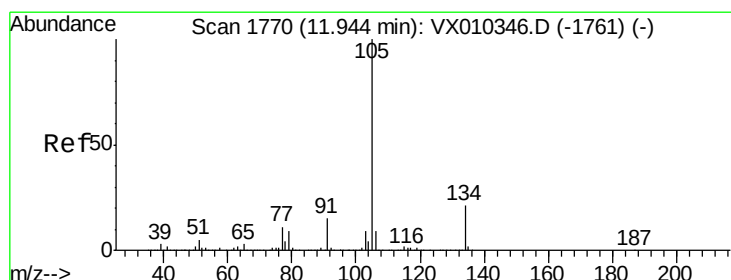
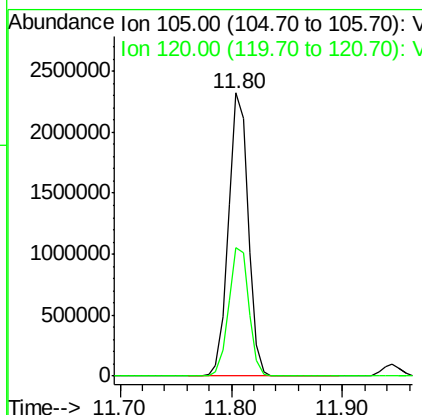
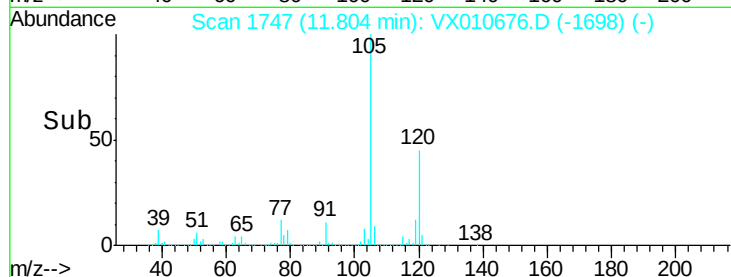
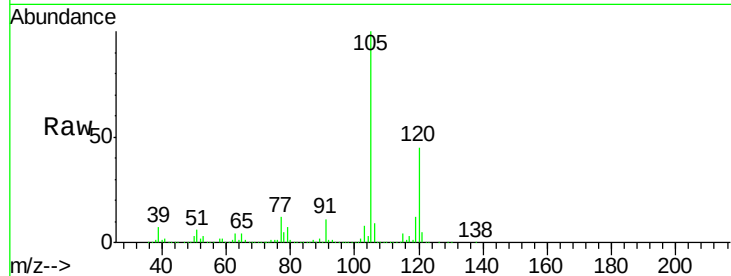
#84
 1,2,4-Trimethylbenzene
 Concen: 287.078 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0579

Tot Ion:105 Resp: 2836964
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2

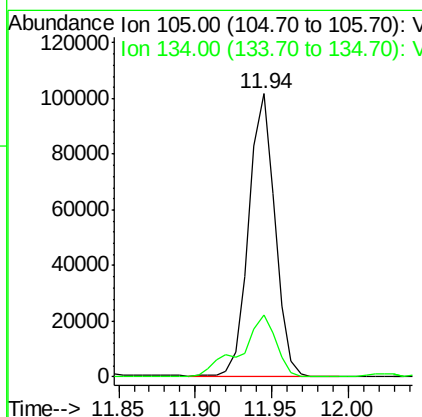
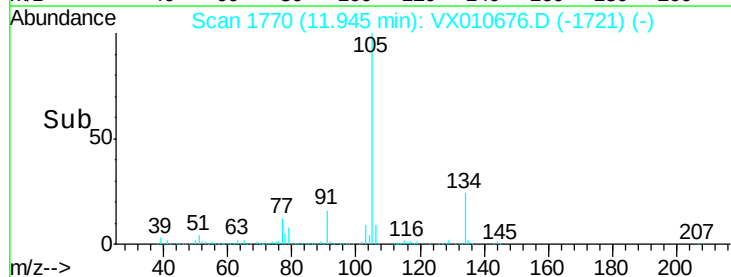
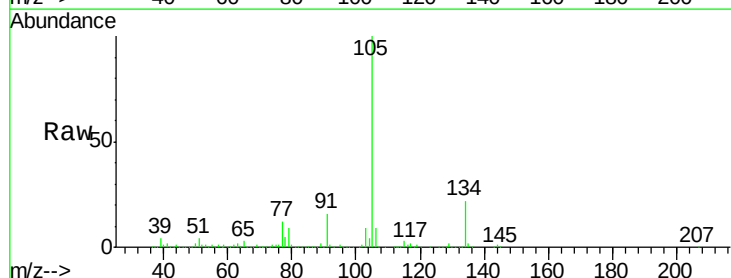
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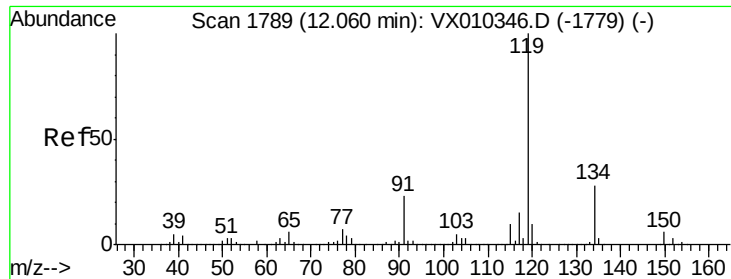
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#85
 sec-Butylbenzene
 Concen: 10.445 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010676.D
 Acq: 04 Jul 2019 08:38

Tgt Ion:105 Resp: 121072
 Ion Ratio Lower Upper
 105 100
 134 29.6 10.7 31.9





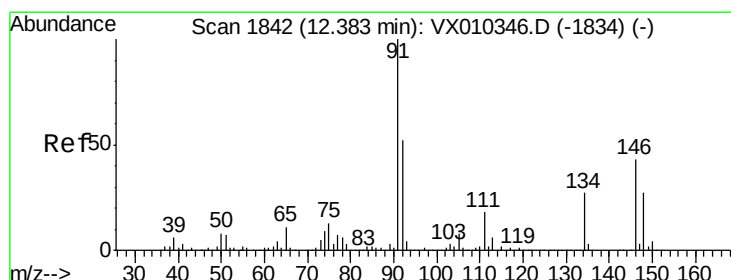
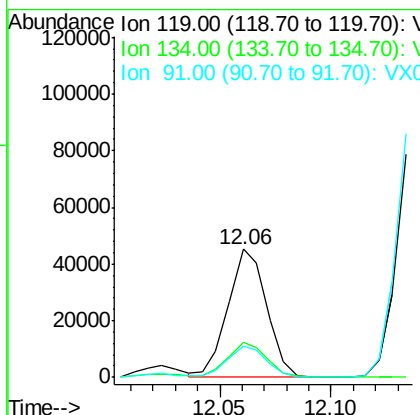
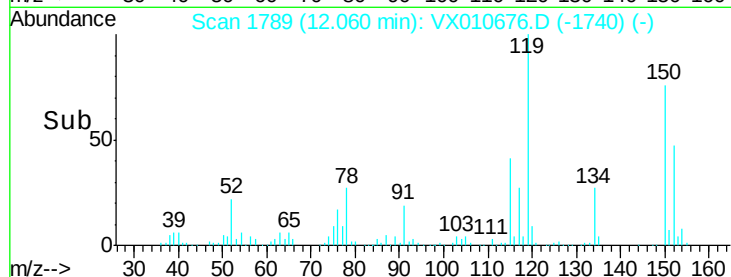
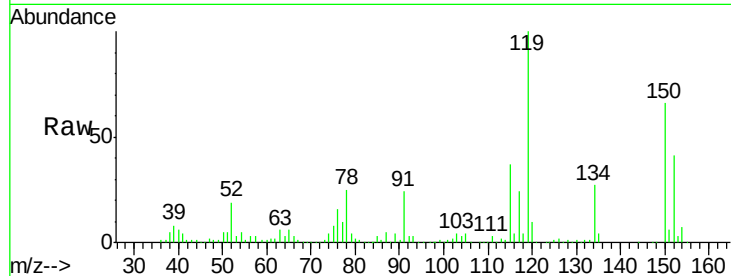
#86
p-Isopropyltoluene
Concen: 5.095 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Instrument :
MSVOA_X
ClientSampled :
FL-0579

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.7	41.1
91	24.1	11.3	33.8

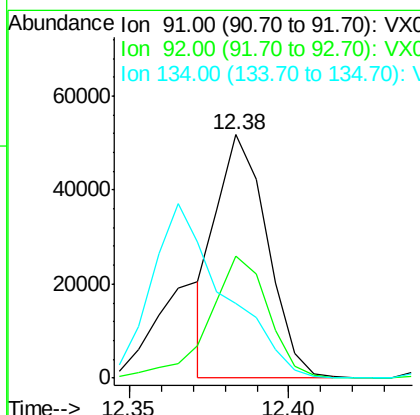
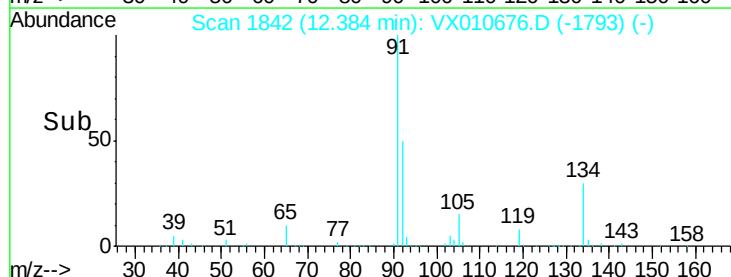
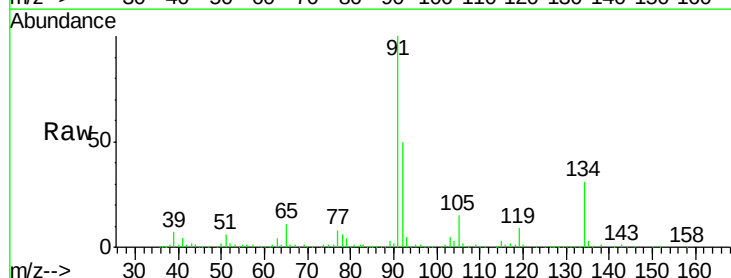
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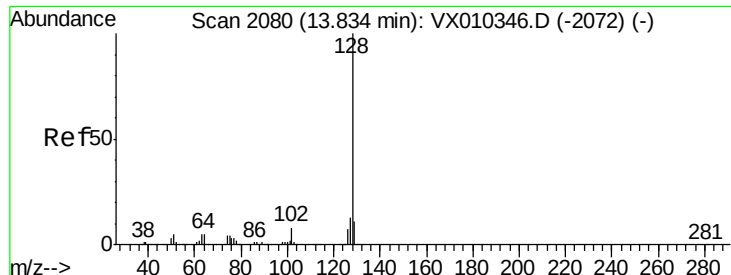
MMDadoda
7/8/2019 10:58:43 AM



#89
n-Butylbenzene
Concen: 6.294 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.2	78.5
134	103.1	14.1	42.4#





#95
Naphthalene
Concen: 29.348 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010676.D
Acq: 04 Jul 2019 08:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0579

Tot Ion	Ratio	Resp	Lower	Upper
128	100	361504		
127	13.3		10.2	15.4
129	11.7		8.9	13.3

Manual Integrations
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MMDadoda
7/8/2019 10:58:43 AM

