

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
 Data File : VX008639.D
 Acq On : 04 Apr 2019 16:30
 Operator : JC/SP
 Sample : K2263-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:11:57 AM

Quant Time: Apr 05 08:17:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131577	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	148989	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	5.50	113	109727	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	454841	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	154112	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	3761	5.140	ug/l #	72
16) Acetone	2.44	43	24581	13.655	ug/l	99
25) 2-Butanone	4.68	43	6895	2.423	ug/l	95
31) Cyclohexane	5.58	56	368654	68.270	ug/l	100
39) Methylcyclohexane	7.46	83	174408	35.777	ug/l	98
40) Benzene	6.14	78	14560	1.238	ug/l	98
52) Toluene	8.79	92	10958	1.581	ug/l	96
67) Ethyl Benzene	10.25	91	206796	16.021	ug/l	100
68) m/p-Xylenes	10.36	106	113207	24.392	ug/l	100
69) o-Xylene	10.69	106	259718	57.744	ug/l	99
73) Isopropylbenzene	11.02	105	30686	2.814	ug/l	99
78) n-propylbenzene	11.36	91	46504	3.663	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	161934	17.692	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	154491	16.669	ug/l	100
85) sec-Butylbenzene	11.94	105	6267m	0.599	ug/l	
86) p-Isopropyltoluene	12.06	119	6915	0.737	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	1447	0.311	ug/l #	71
95) Naphthalene	13.83	128	37095	3.426	ug/l	97

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

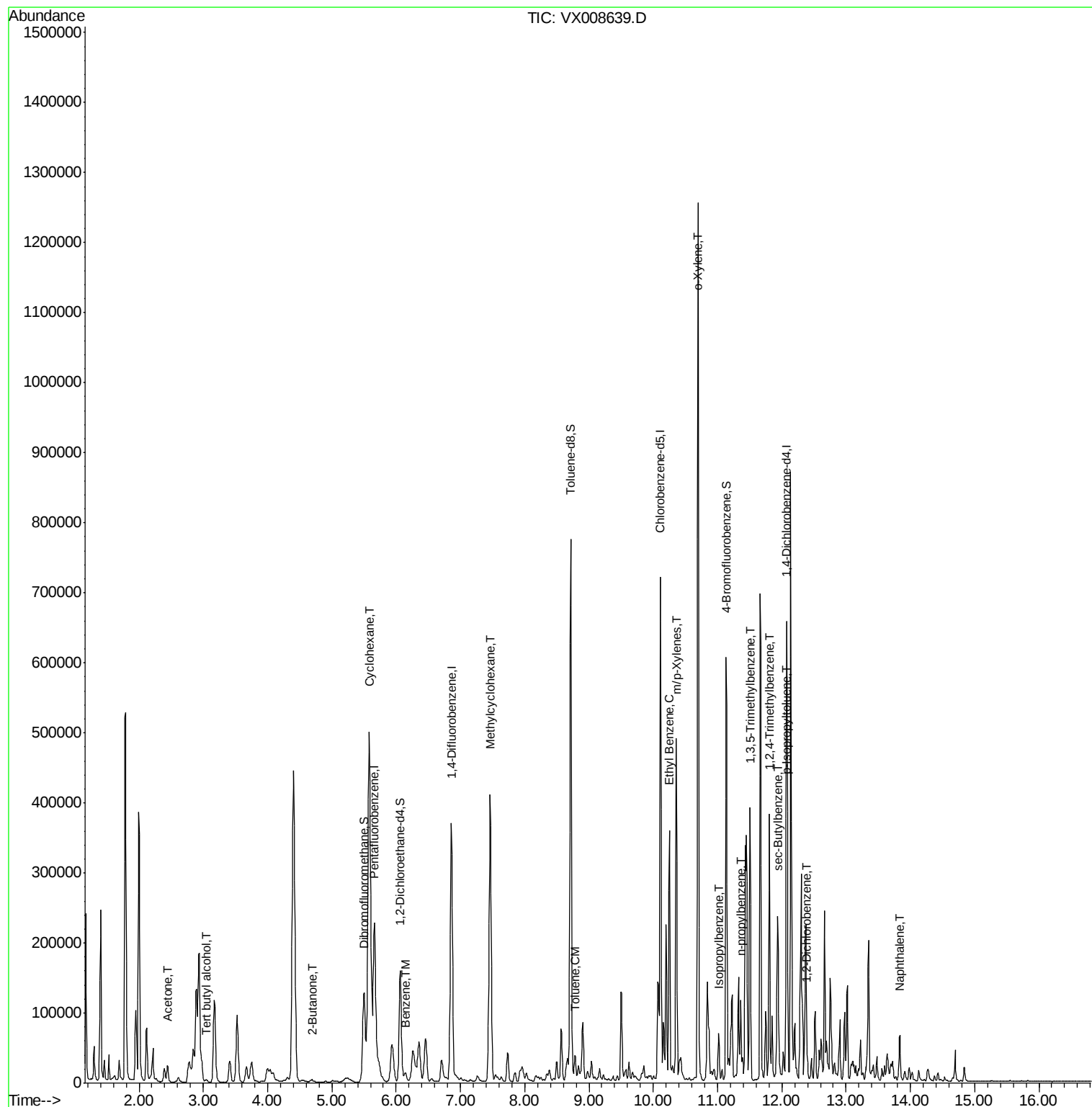
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008639.D
Acq On : 04 Apr 2019 16:30
Operator : JC/SP
Sample : K2263-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

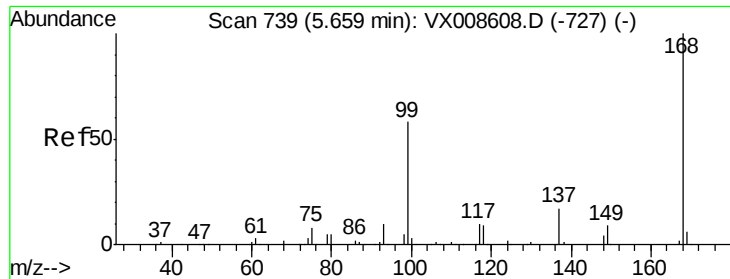
Instrument :
MSVOA_X
ClientSampleId :
MW-7

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4/5/2019 11:11:57 AM

Quant Time: Apr 05 08:17:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





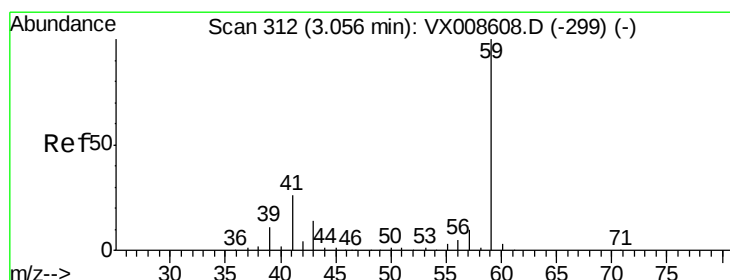
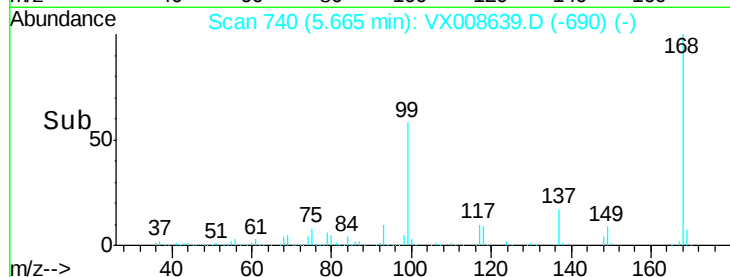
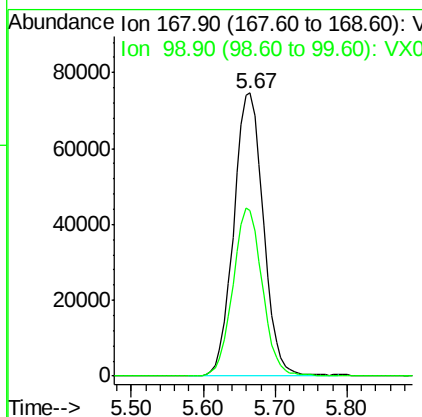
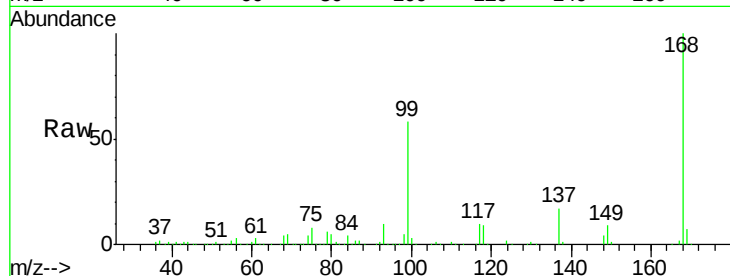
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion	Ratio	Resp	Lower	Upper
168	100	214276		
99	58.2	46.7	70.1	

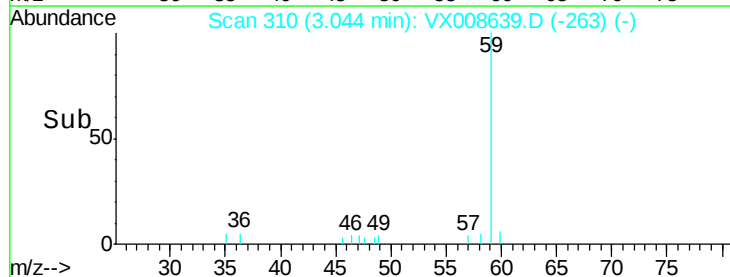
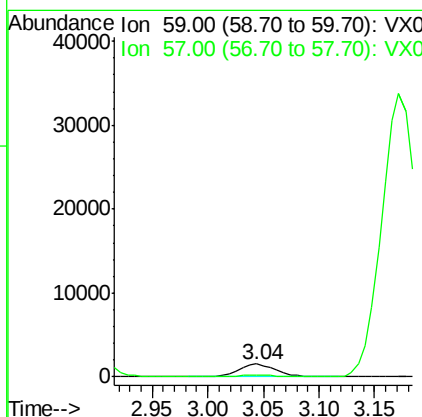
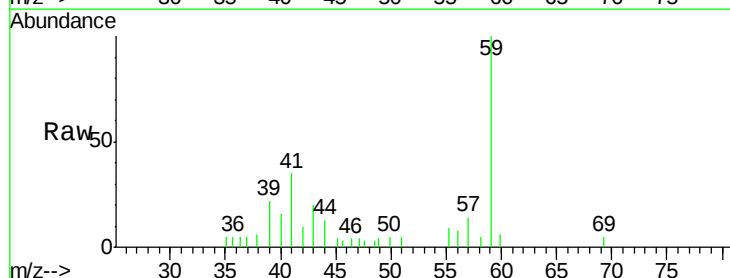
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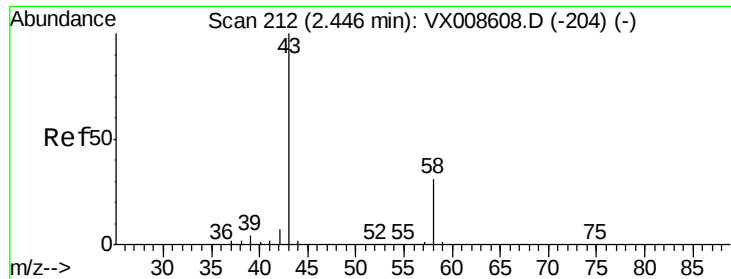
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#11
Tert butyl alcohol
Concen: 5.140 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	3761		
57	0.0	8.3	12.5	#





#16

Acetone

Concen: 13.655 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 43 Resp: 24581

Ion Ratio Lower Upper

43 100

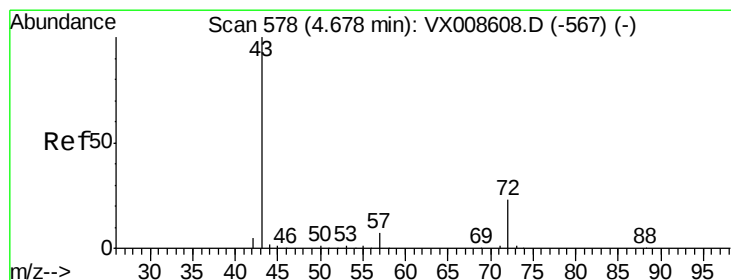
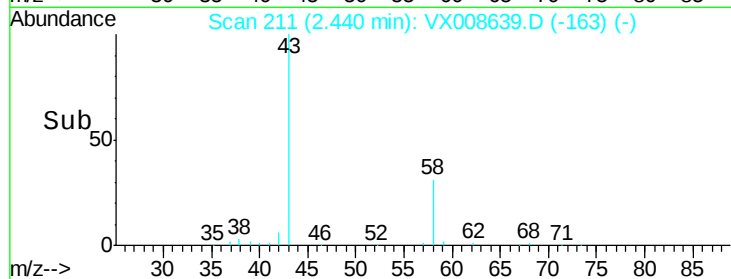
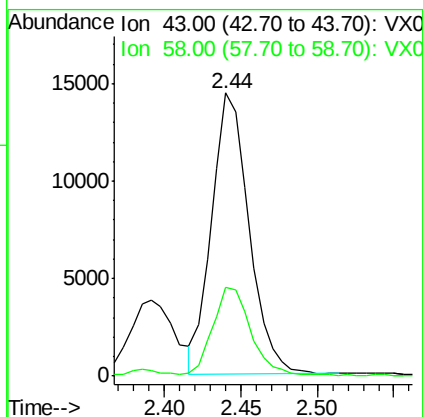
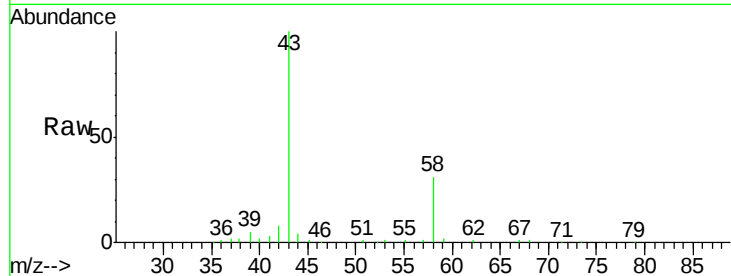
58 31.6 24.8 37.2

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#25

2-Butanone

Concen: 2.423 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008639.D

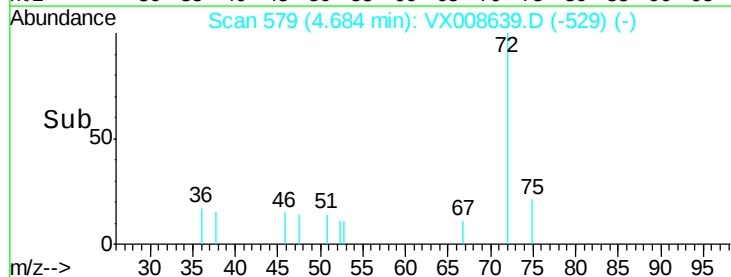
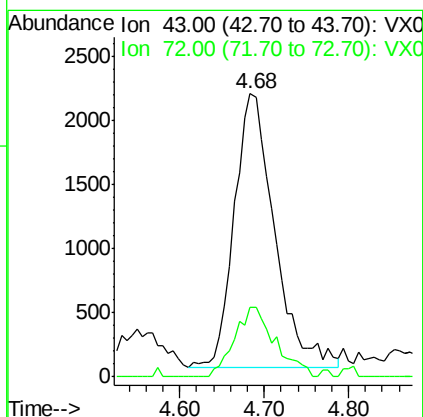
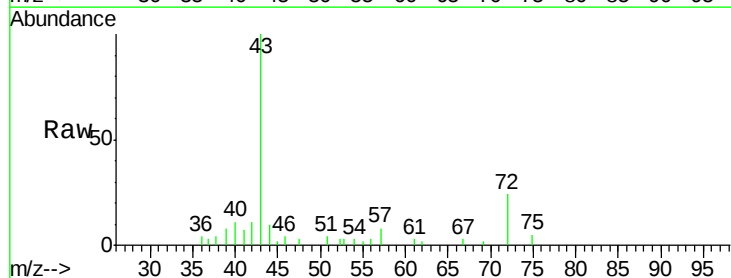
Acq: 04 Apr 2019 16:30

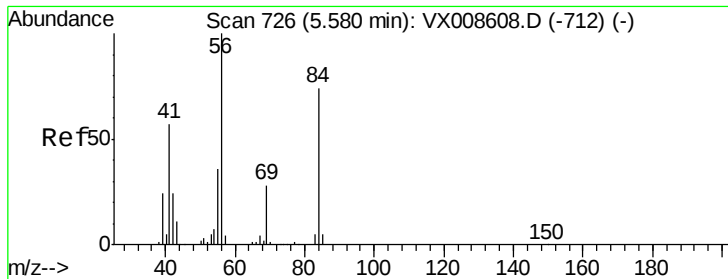
Tgt Ion: 43 Resp: 6895

Ion Ratio Lower Upper

43 100

72 25.4 18.2 27.4





#31

Cyclohexane

Concen: 68.270 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

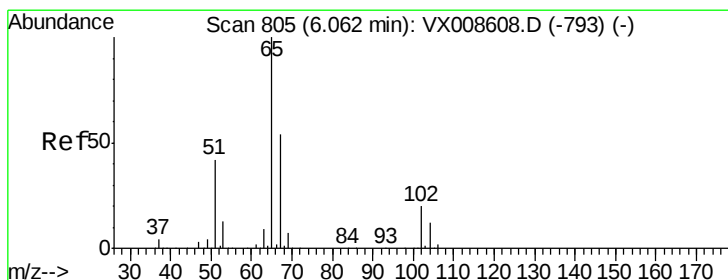
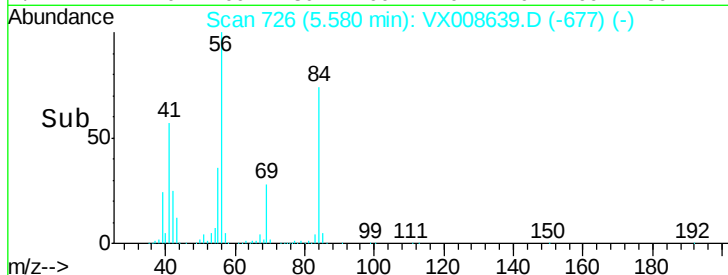
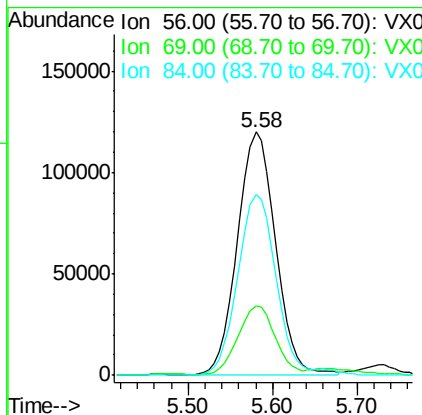
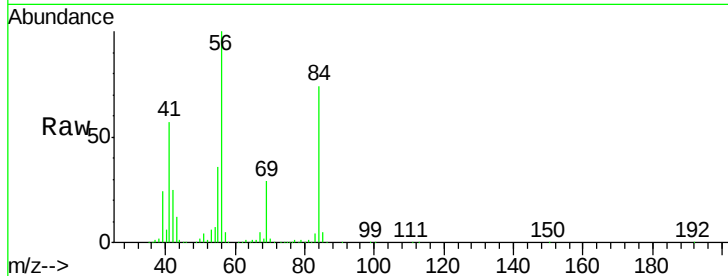
ClientSampleId :

MW-7

Tot Ion:	56	Resp:	368654
Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	74.4	59.3	88.9

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#33

1,2-Dichloroethane-d4

Concen: 47.671 ug/l

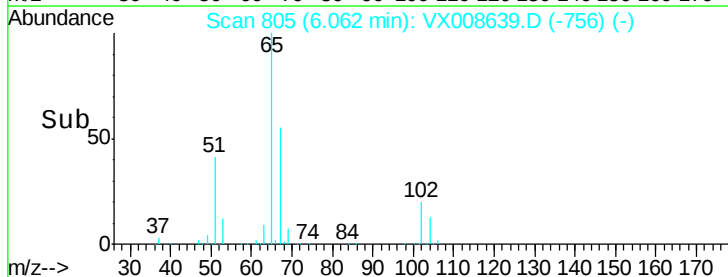
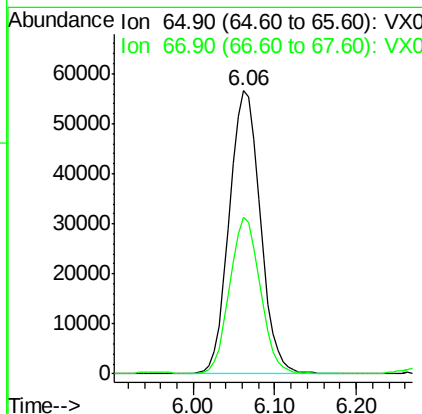
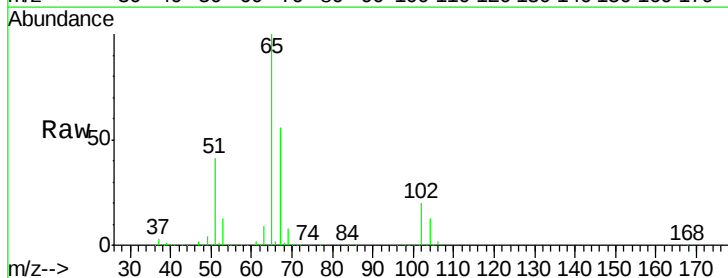
RT: 6.06 min Scan# 805

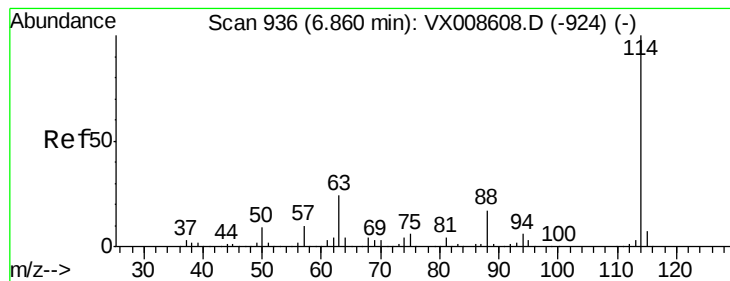
Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Tgt Ion:	65	Resp:	148989
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

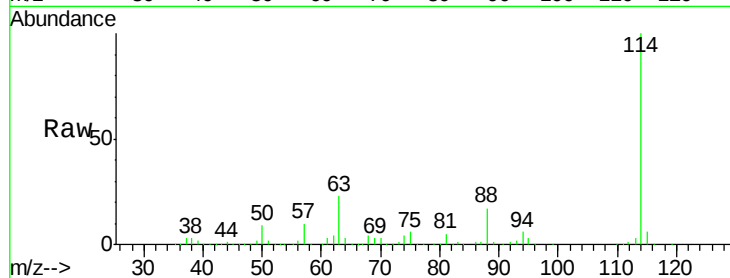
ClientSampleId :

MW-7

Tot Ion:	114	Resp:	361015
Ion Ratio	Lower	Upper	
114	100		
63	22.7	0.0	47.2
88	16.8	0.0	34.0

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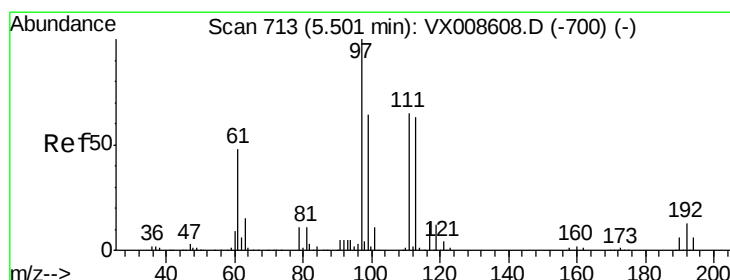
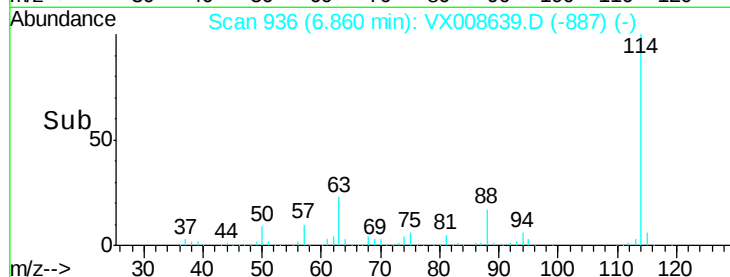
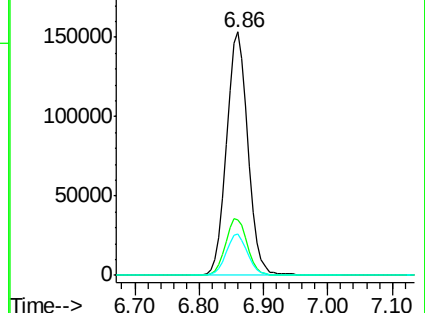
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.538 ug/l

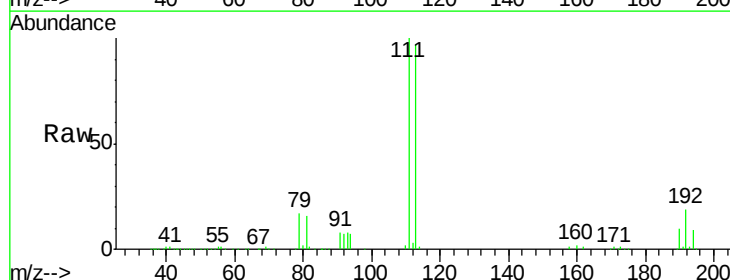
RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

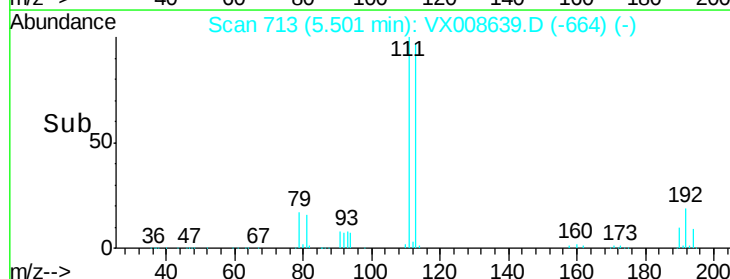
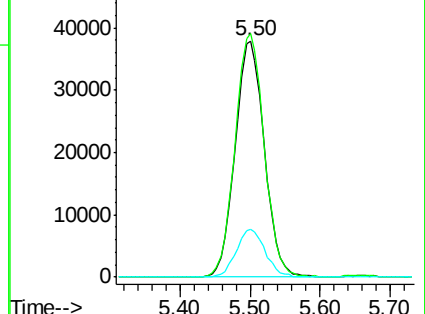
Tgt Ion:	113	Resp:	109727
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.4	125.2
192	20.1	16.1	24.1

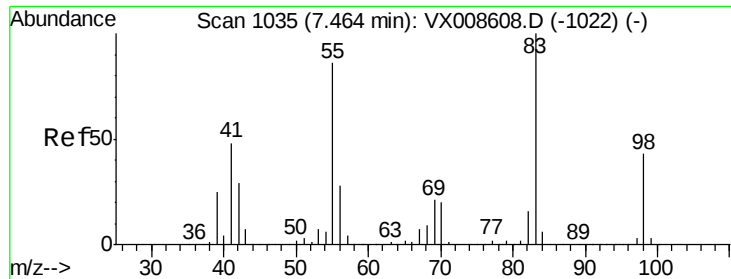


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





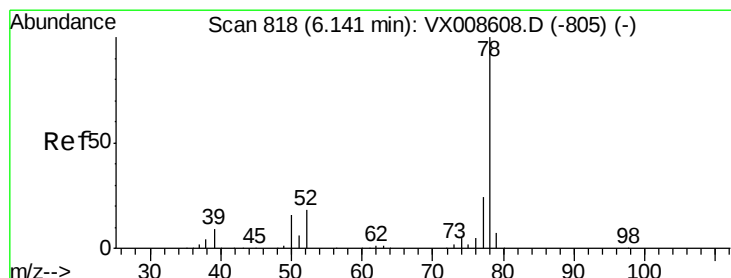
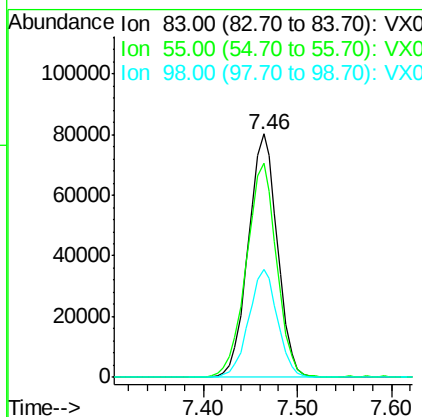
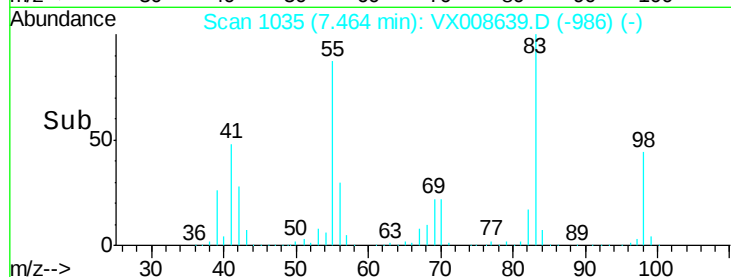
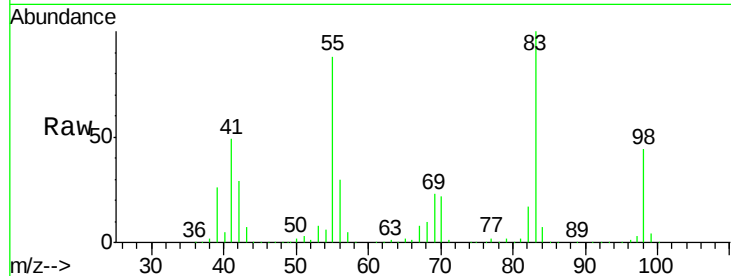
#39
Methvlcvclohexane
Concen: 35.777 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	69.0	103.6
98	44.2	34.4	51.6

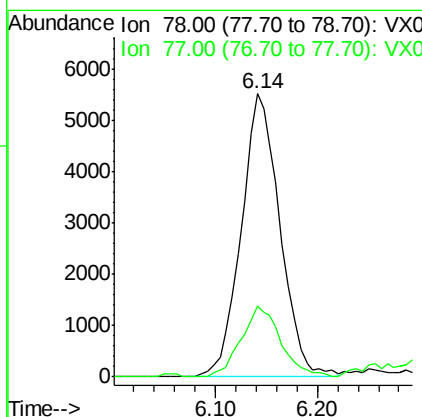
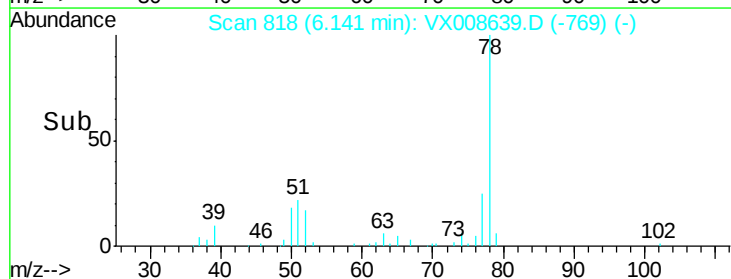
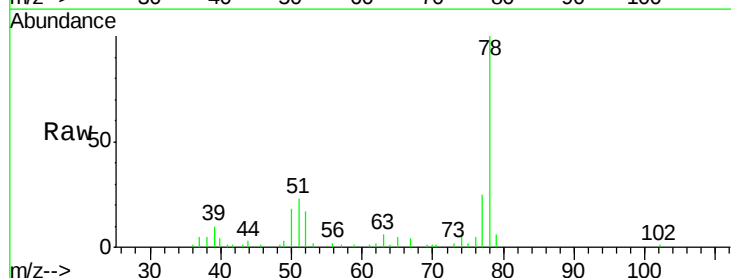
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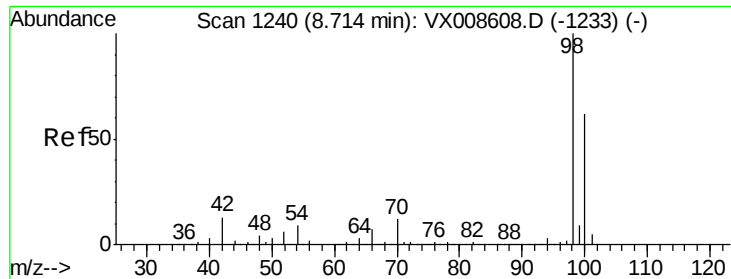
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#40
Benzene
Concen: 1.238 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7





#50

Toluene-d8

Concen: 49.490 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 98 Resp: 454841

Ion Ratio Lower Upper

98 100

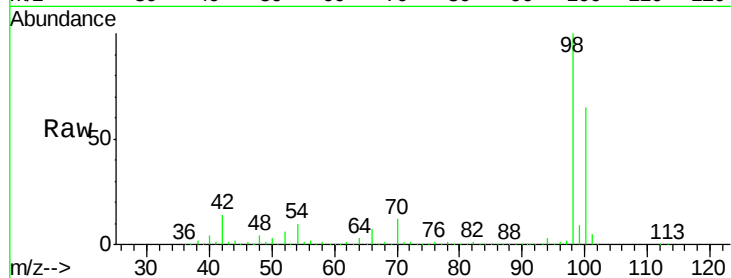
100 64.0 51.4 77.0

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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

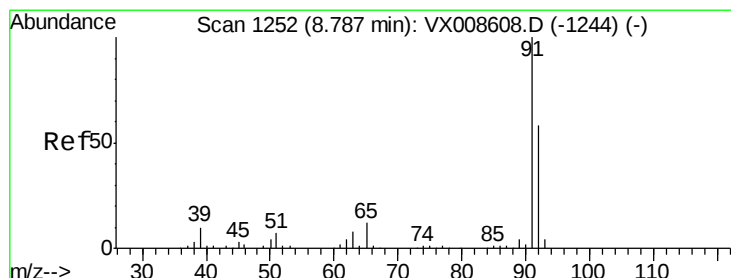
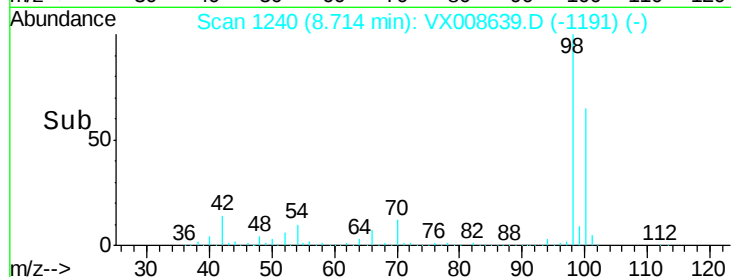
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1.581 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008639.D

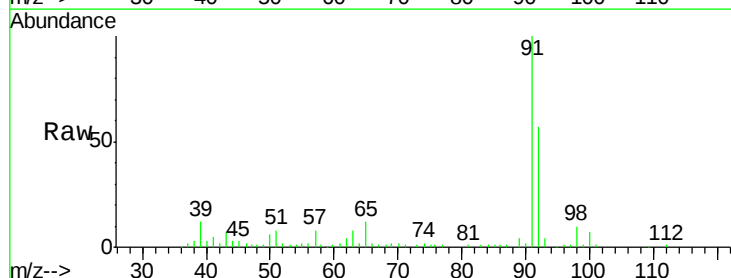
Acq: 04 Apr 2019 16:30

Tgt Ion: 92 Resp: 10958

Ion Ratio Lower Upper

92 100

91 178.4 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

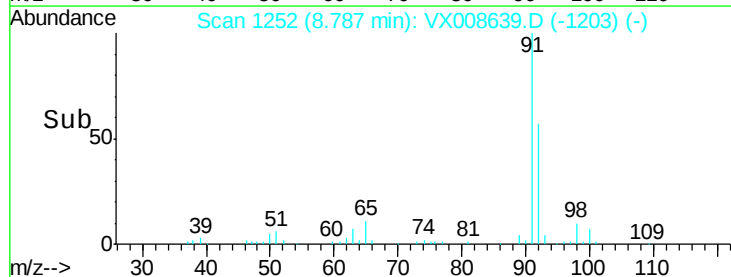
8.79

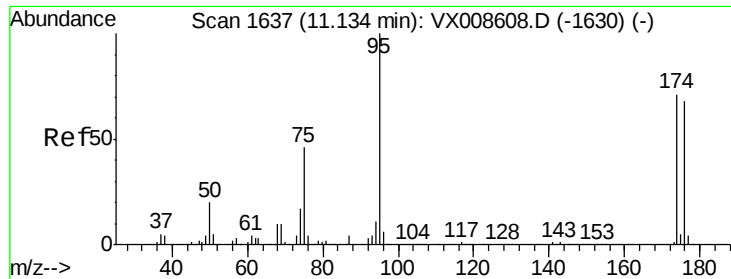
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 95 Resp: 154112

Ion Ratio Lower Upper

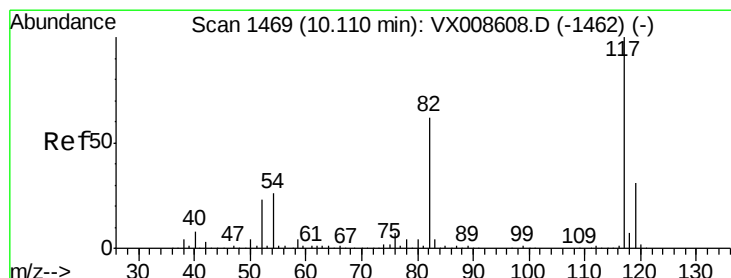
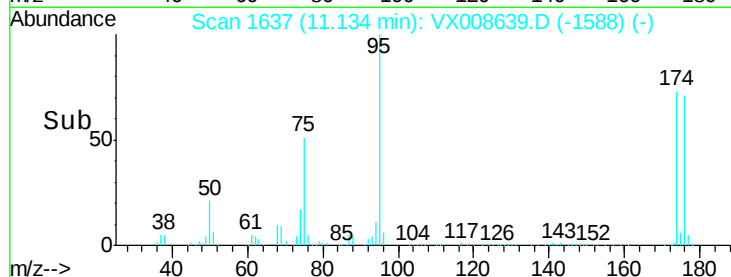
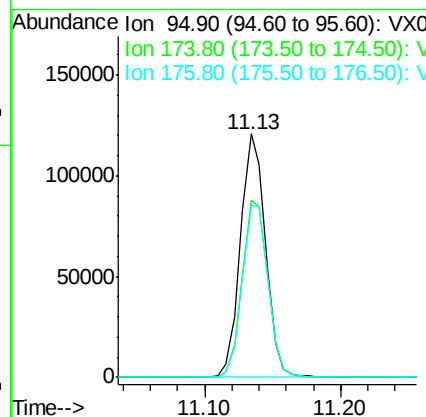
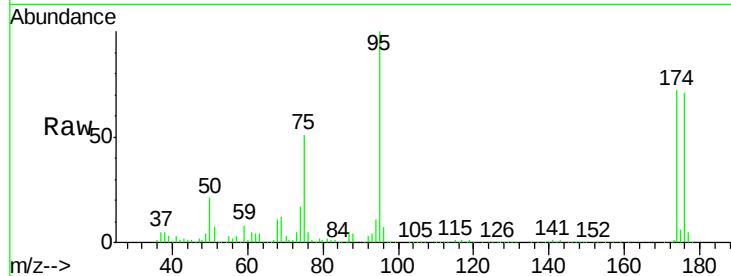
95 100

174 74.9 0.0 151.8

176 73.4 0.0 145.8

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4/5/2019 11:11:57 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

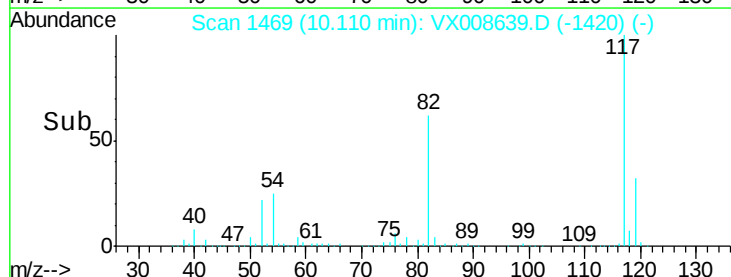
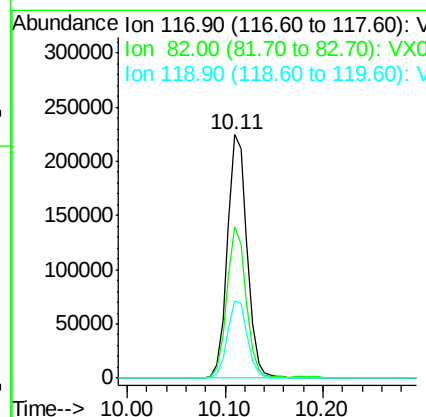
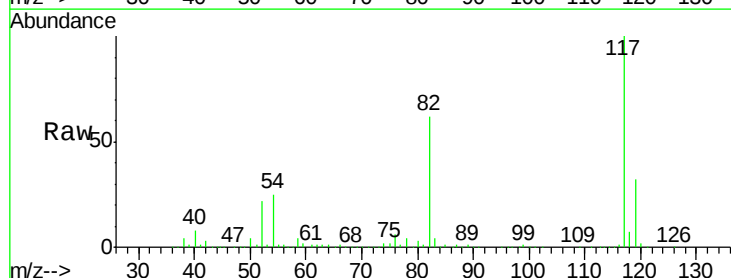
Tgt Ion: 117 Resp: 312285

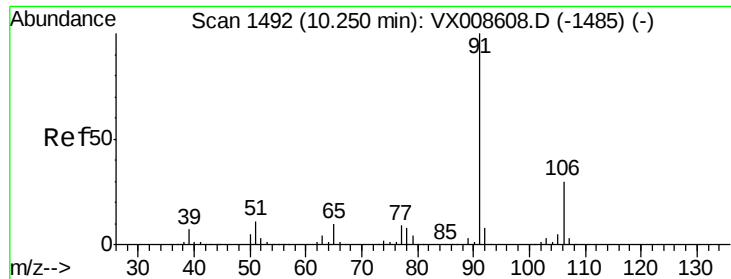
Ion Ratio Lower Upper

117 100

82 62.1 49.6 74.4

119 31.6 25.0 37.4





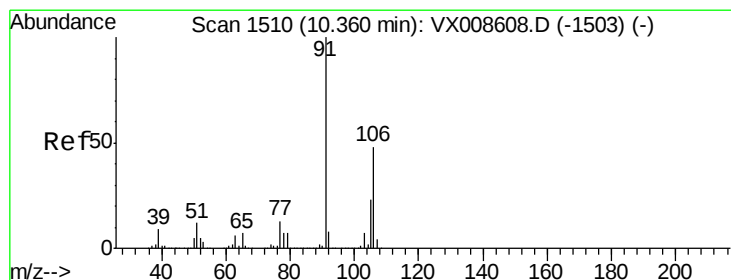
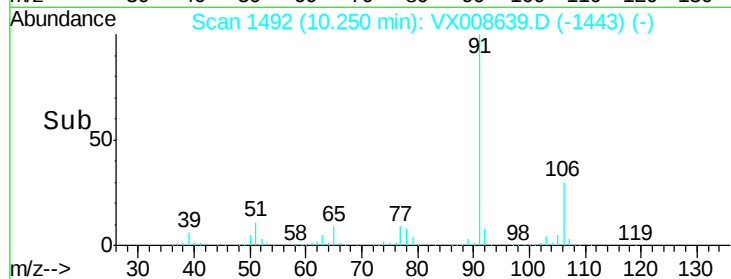
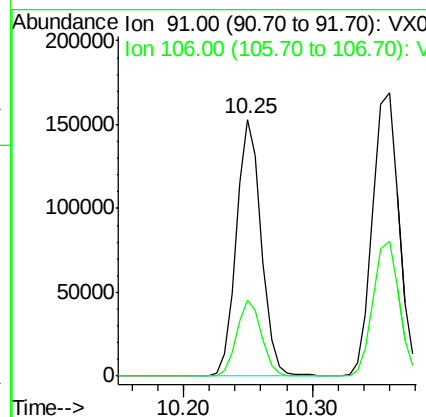
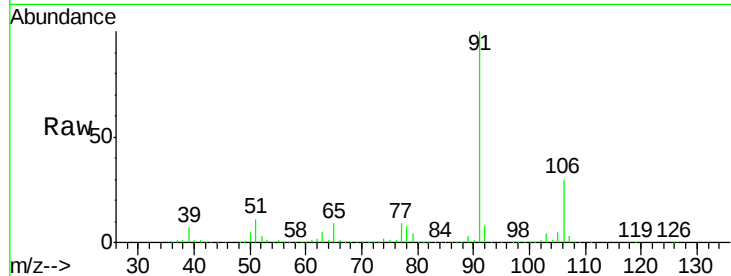
#67
Ethyl Benzene
Concen: 16.021 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion: 91 Resp: 206796
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5

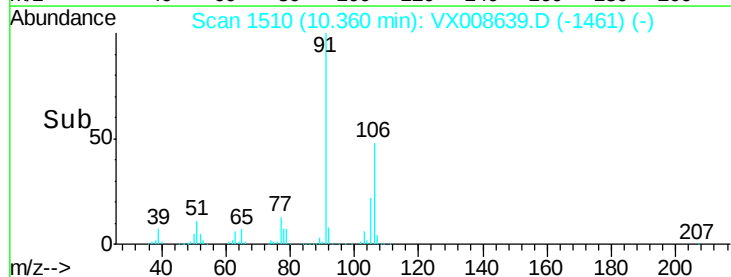
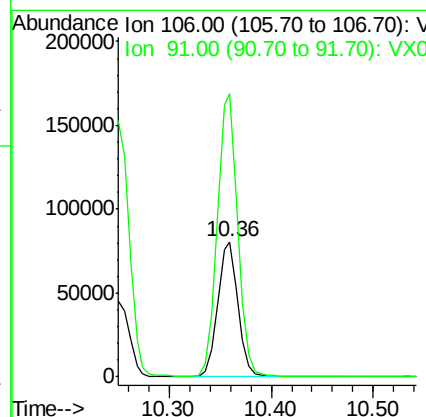
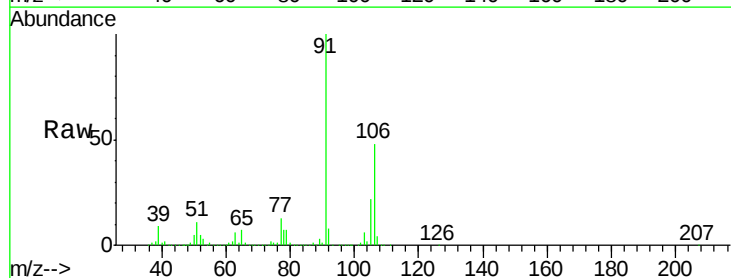
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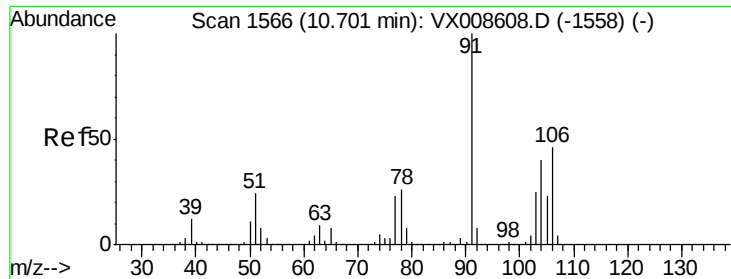
MMDadoda
4/5/2019 11:11:57 AM



#68
m/p-Xylenes
Concen: 24.392 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Tgt Ion: 106 Resp: 113207
Ion Ratio Lower Upper
106 100
91 210.5 168.5 252.7





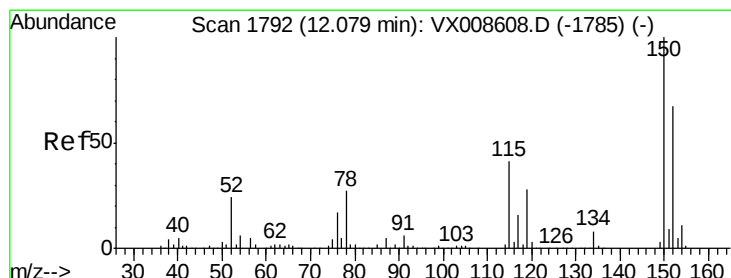
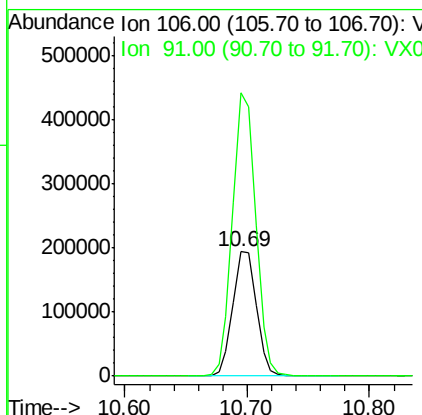
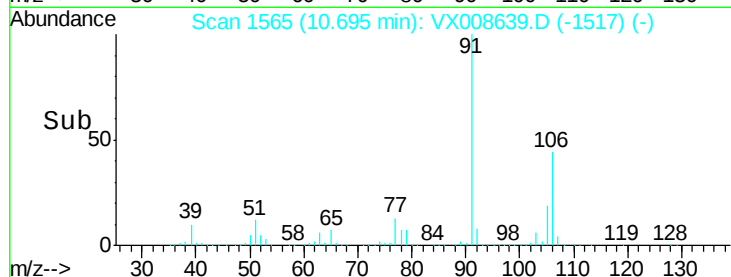
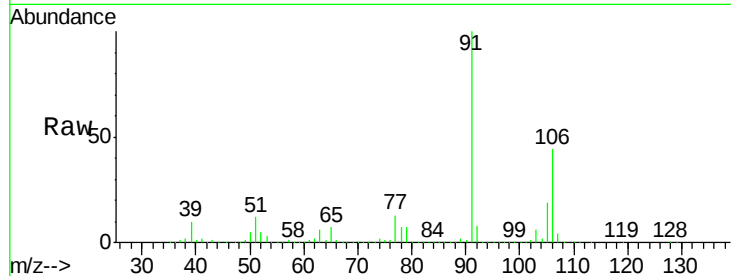
#69
o-Xylene
Concen: 57.744 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion	Ratio	Resp	Lower	Upper
106	100	259718		
91	223.8	111.5	334.4	

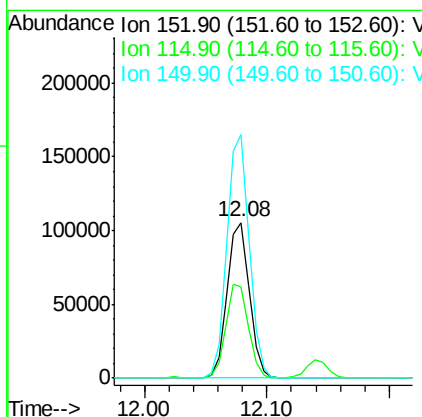
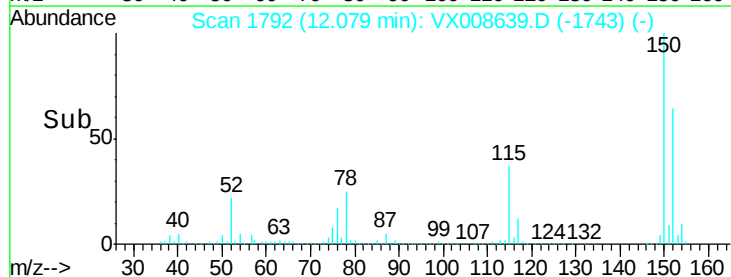
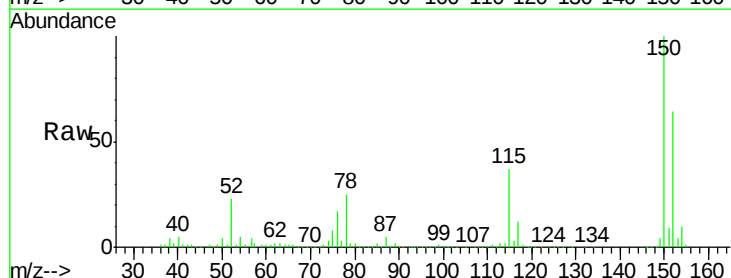
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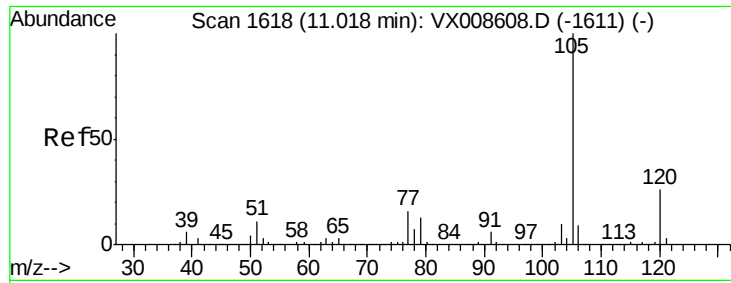
MMDadoda
4/5/2019 11:11:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008639.D
Acq: 04 Apr 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	131577		
115	60.9	43.5	130.5	
150	156.8	0.0	348.8	





#73

Isopropylbenzene

Concen: 2.814 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion: 105 Resp: 30686

Ion Ratio Lower Upper

105 100

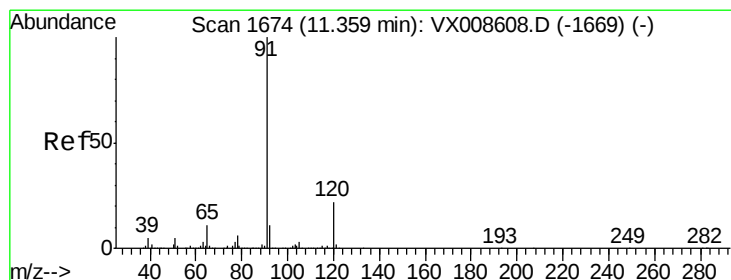
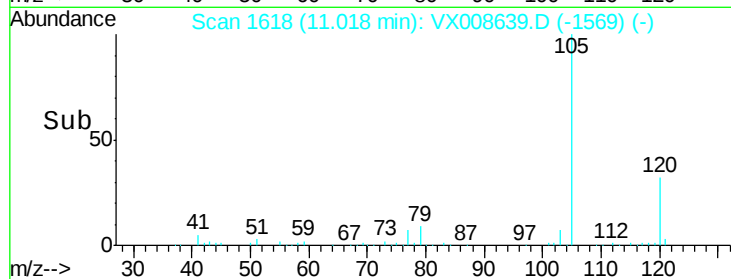
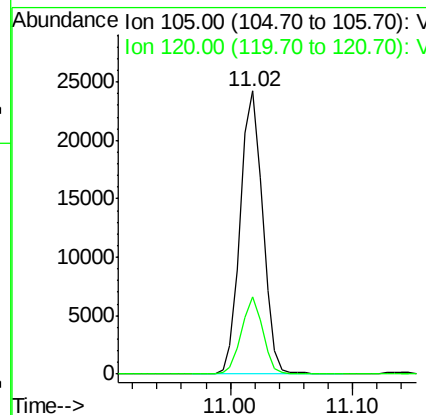
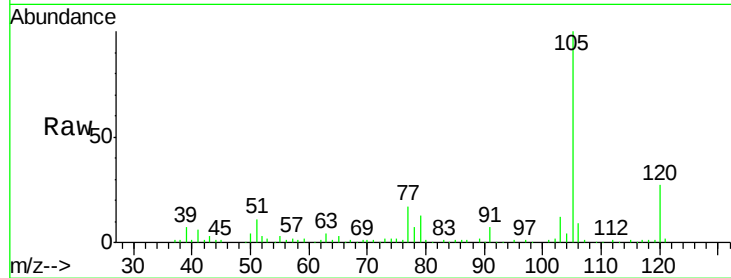
120 26.1 12.9 38.6

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#78

n-propylbenzene

Concen: 3.663 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008639.D

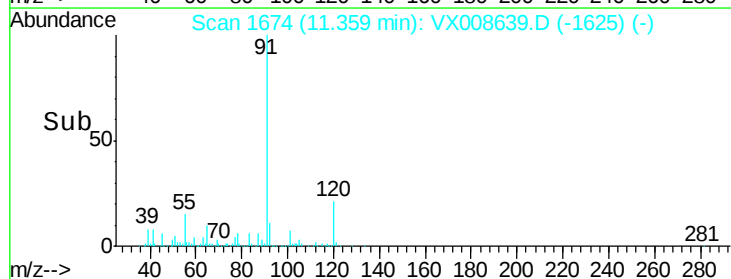
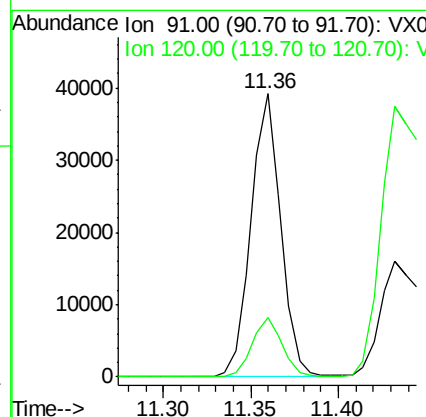
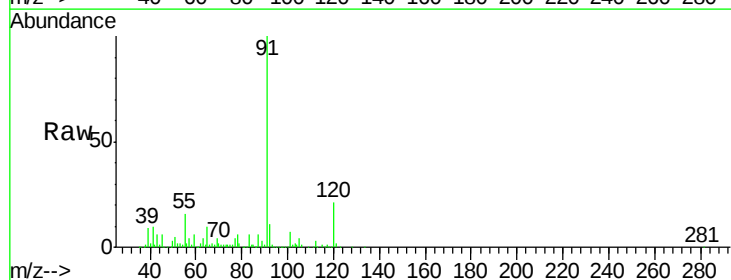
Acq: 04 Apr 2019 16:30

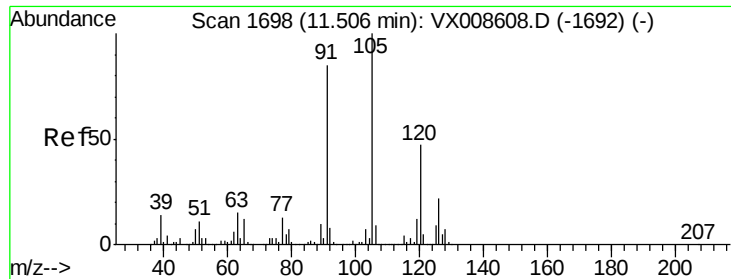
Tgt Ion: 91 Resp: 46504

Ion Ratio Lower Upper

91 100

120 21.0 10.9 32.7





#80

1,3,5-Trimethylbenzene

Concen: 17.692 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion:105 Resp: 161934

Ion Ratio Lower Upper

105 100

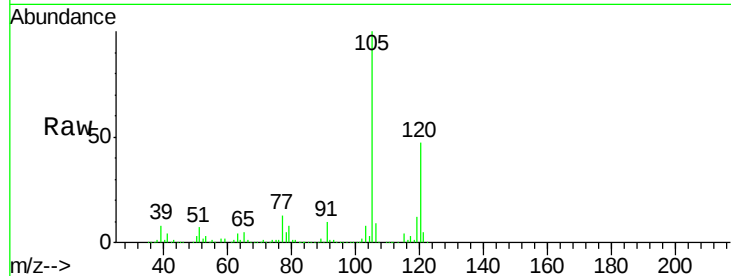
120 47.1 23.5 70.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

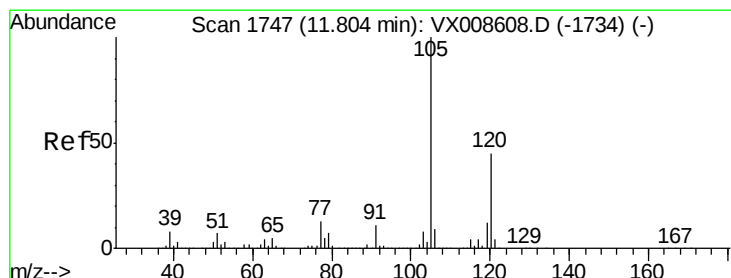
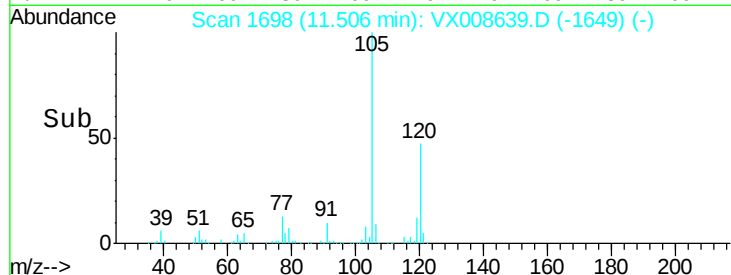
110000

50000

0

11.45 11.50 11.55

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 16.669 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008639.D

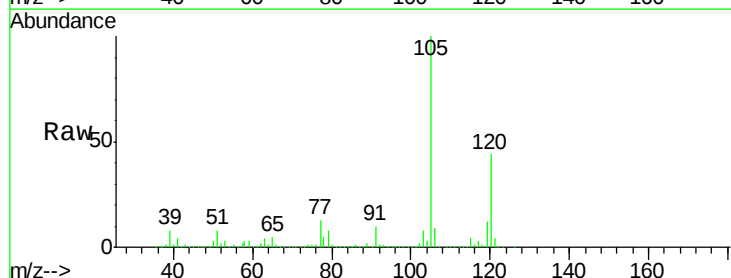
Acq: 04 Apr 2019 16:30

Tgt Ion:105 Resp: 154491

Ion Ratio Lower Upper

105 100

120 43.8 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

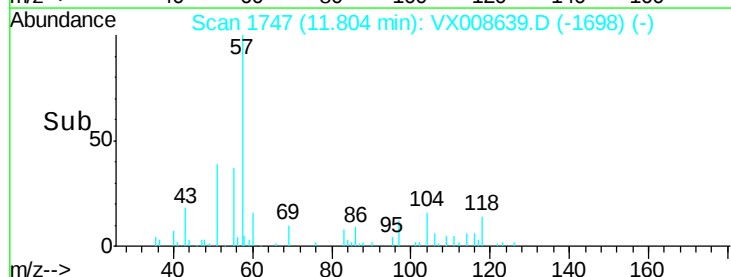
100000

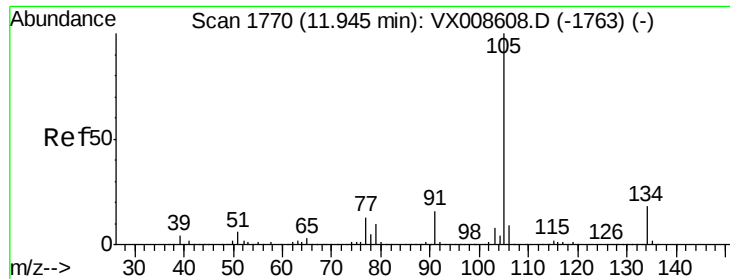
50000

0

11.75 11.80 11.85

Time-->





#85

sec-Butylbenzene

Concen: 0.599 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion:105 Resp: 6267

Ion Ratio Lower Upper

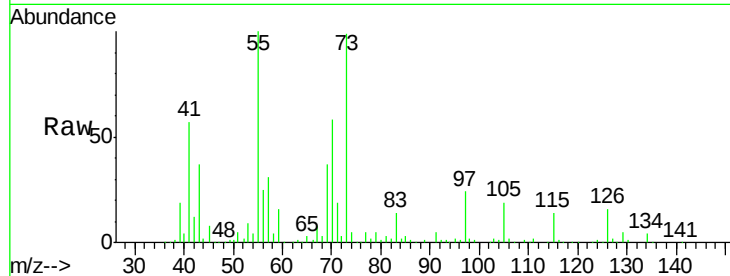
105 100

134 0.0 9.4 28.2#

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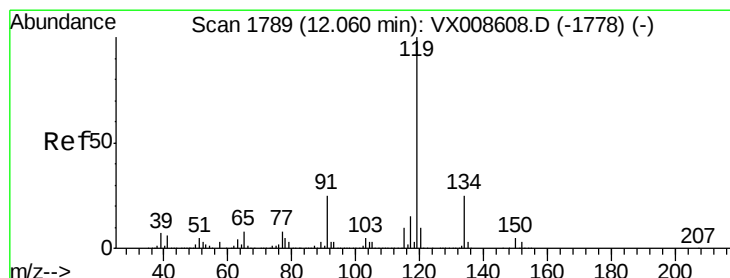
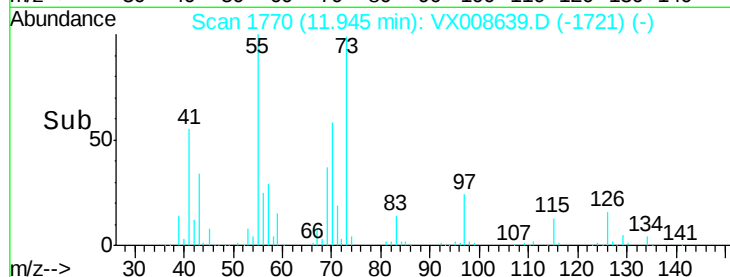
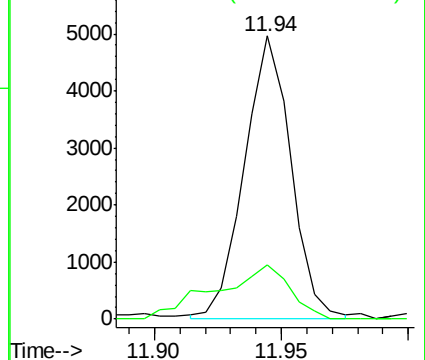
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.737 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008639.D

Acq: 04 Apr 2019 16:30

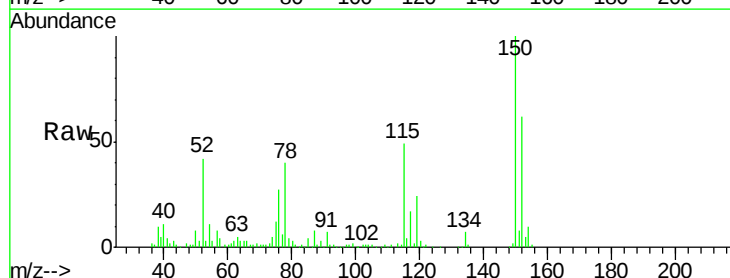
Tgt Ion:119 Resp: 6915

Ion Ratio Lower Upper

119 100

134 28.1 12.8 38.4

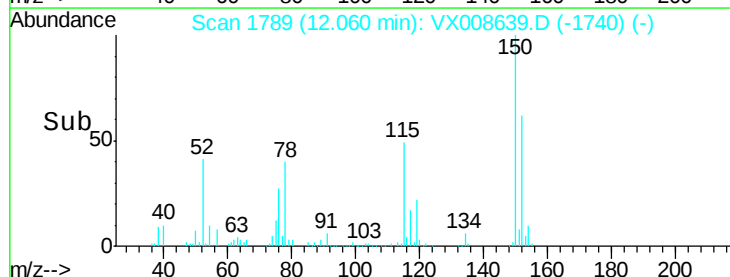
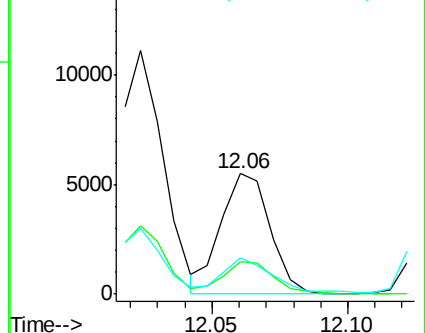
91 27.9 12.2 36.6

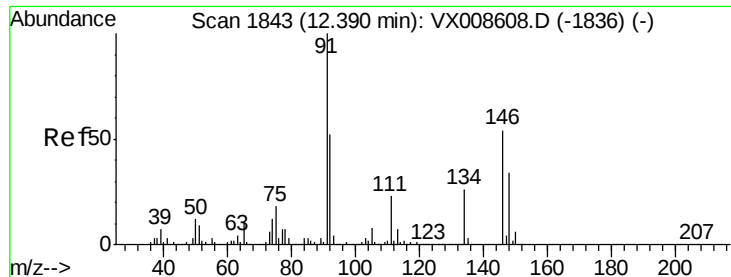


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





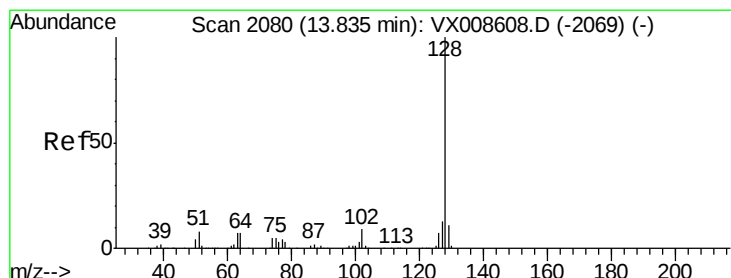
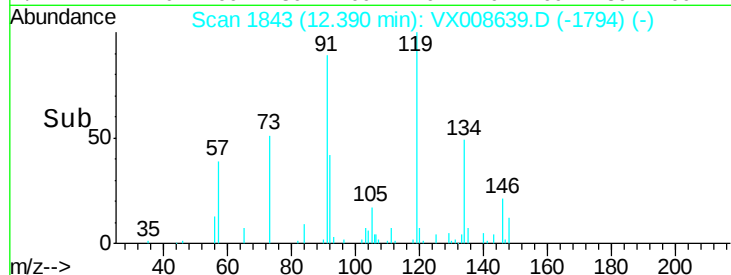
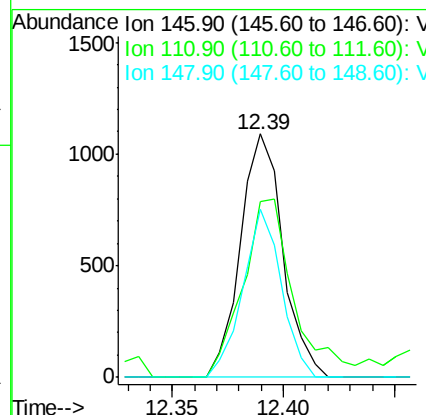
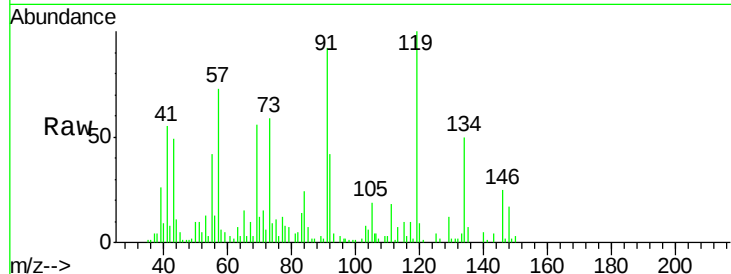
#91
 1,2-Dichlorobenzene
 Concen: 0.311 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008639.D
 Acq: 04 Apr 2019 16:30

Instrument :
 MSVOA_X
 ClientSampled :
 MW-7

Tot Ion	Ratio	Lower	Upper
146	100		
111	88.5	21.3	63.9#
148	62.8	31.7	95.1

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#95
 Naphthalene
 Concen: 3.426 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX008639.D
 Acq: 04 Apr 2019 16:30

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	12.7	8.6	13.0

