

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\
 Data File : VX008645.D
 Acq On : 04 Apr 2019 18:50
 Operator : JC/SP
 Sample : K2275-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:12:21 AM

Quant Time: Apr 05 11:34:11 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	217848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	145055	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	
35) Dibromofluoromethane	5.50	113	106437	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
50) Toluene-d8	8.71	98	449630	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	151840	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	5596	3.058	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1423	0.454	ug/l	91
31) Cyclohexane	5.58	56	247816	45.140	ug/l	100
39) Methylcyclohexane	7.46	83	378237	78.579	ug/l	98
40) Benzene	6.14	78	43224	3.724	ug/l	98
52) Toluene	8.79	92	16565	2.420	ug/l	95
65) Chlorobenzene	10.14	112	40924	5.939	ug/l	99
67) Ethyl Benzene	10.26	91	3788560	294.843	ug/l	97
68) m/p-Xylenes	10.37	106	5030113	1088.761	ug/l	89
69) o-Xylene	10.69	106	264083	58.982	ug/l	100
73) Isopropylbenzene	11.02	105	449652	40.849	ug/l	100
78) n-propylbenzene	11.36	91	519808	40.556	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	861771	93.264	ug/l	99
83) tert-Butylbenzene	11.77	119	7673m	0.863	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2350195	251.191	ug/l	98
85) sec-Butylbenzene	11.94	105	44404m	4.205	ug/l	
86) p-Isopropyltoluene	12.06	119	54724	5.774	ug/l	99
95) Naphthalene	13.83	128	902315	82.550	ug/l	100

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

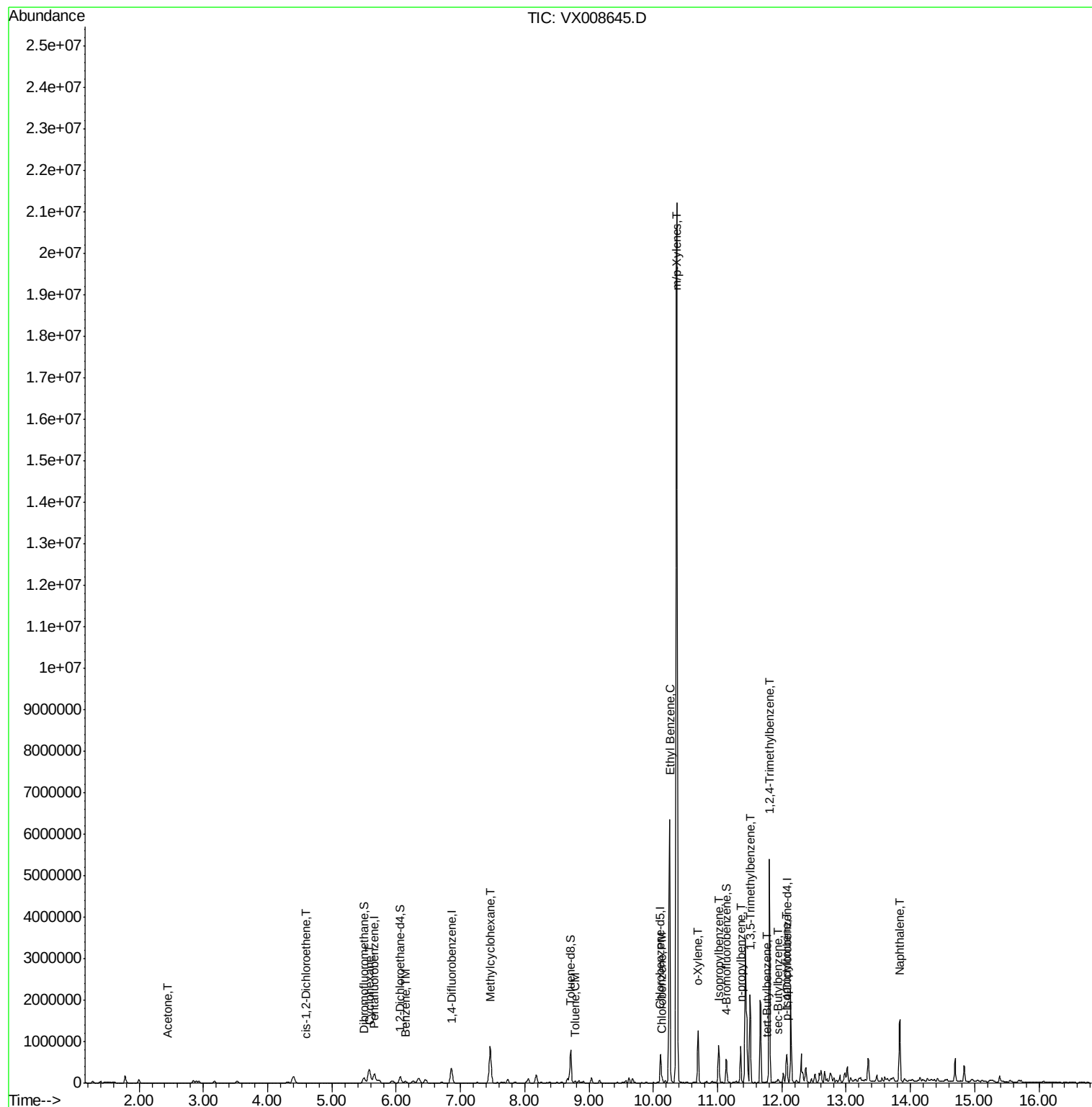
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008645.D
Acq On : 04 Apr 2019 18:50
Operator : JC/SP
Sample : K2275-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

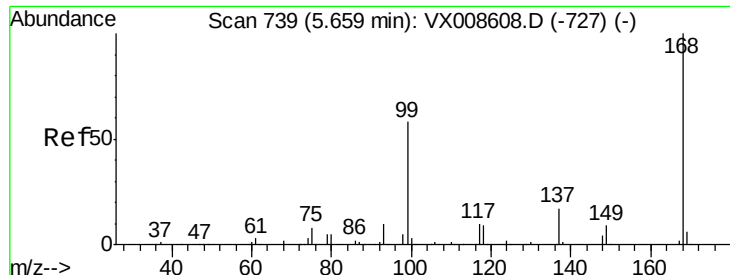
Instrument :
MSVOA_X
ClientSampleId :
S8-0712

Quant Time: Apr 05 11:34:11 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

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S8-0712

Tot Ion:168 Resp: 217848

Ion Ratio Lower Upper

168 100

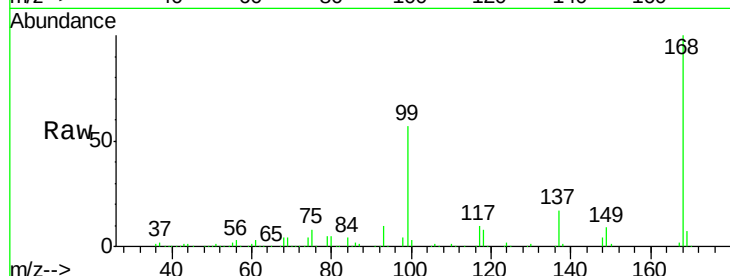
99 57.4 46.7 70.1

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

5.67

80000

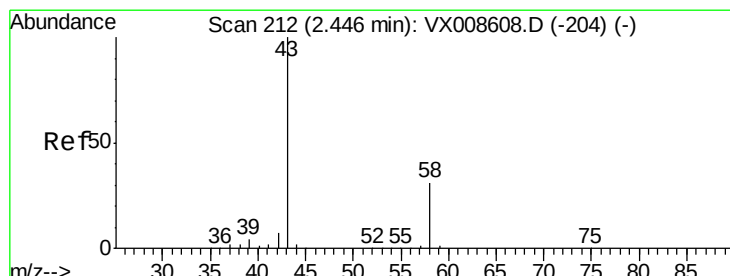
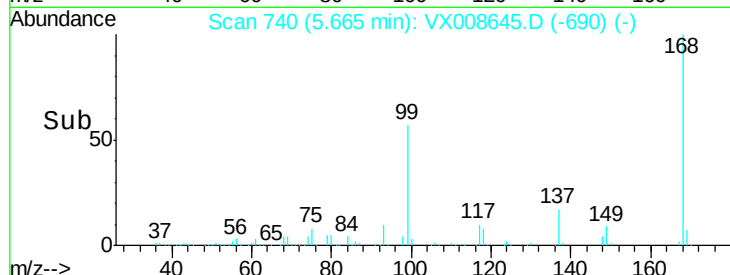
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.058 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008645.D

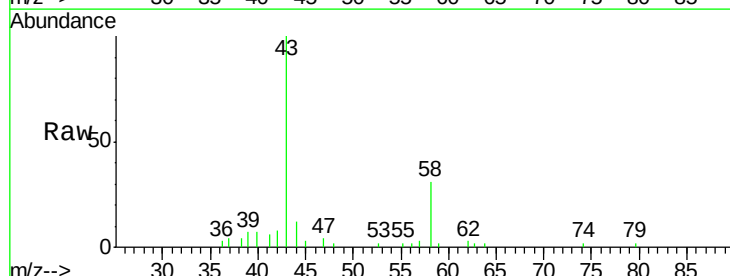
Acq: 04 Apr 2019 18:50

Tgt Ion: 43 Resp: 5596

Ion Ratio Lower Upper

43 100

58 31.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

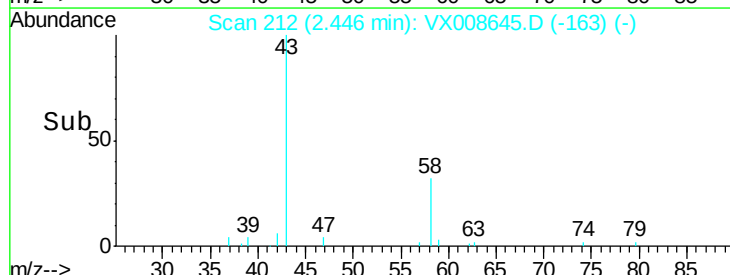
3000

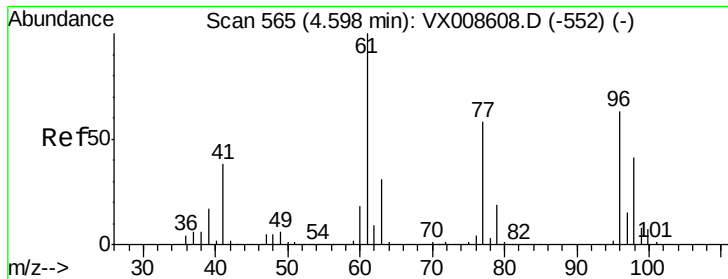
2000

1000

0

Time--> 2.40 2.45 2.50





#27

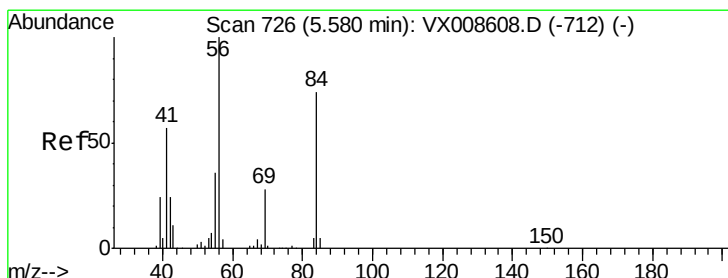
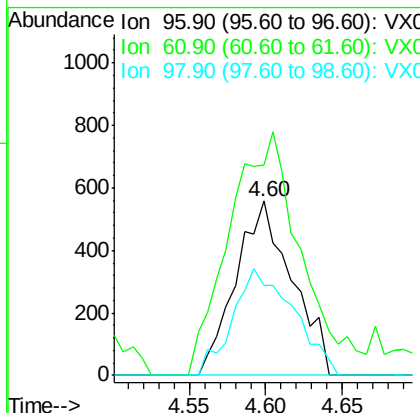
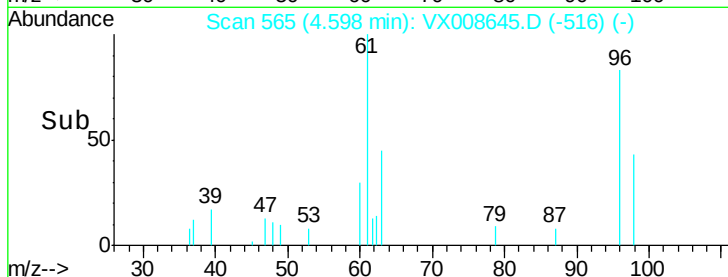
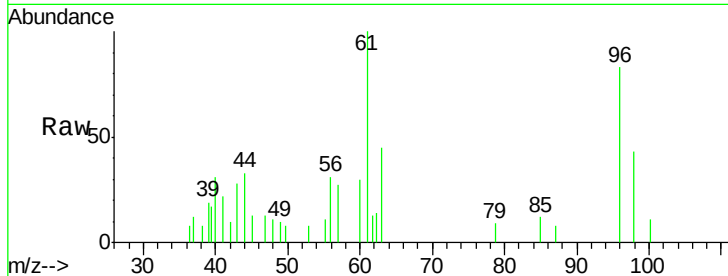
cis-1,2-Dichloroethene
Concen: 0.454 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Instrument :
MSVOA_X
ClientSampled :
S8-0712

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.2	0.0	327.6
98	66.5	0.0	128.6

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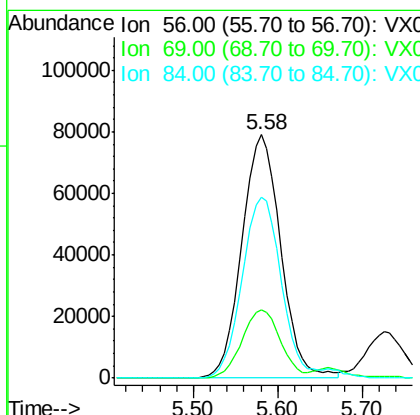
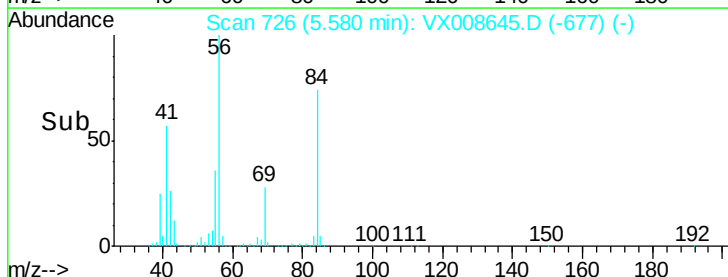
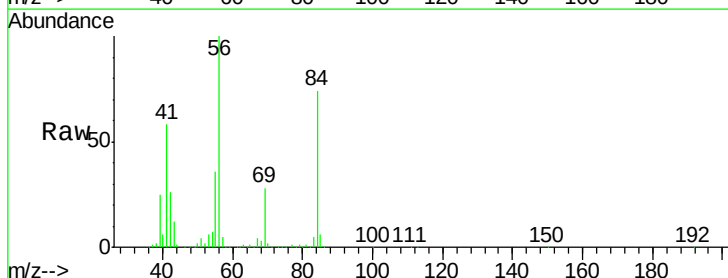
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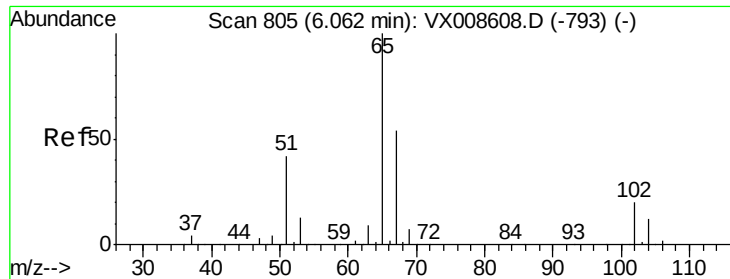


#31

Cyclohexane
Concen: 45.140 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	74.2	59.3	88.9





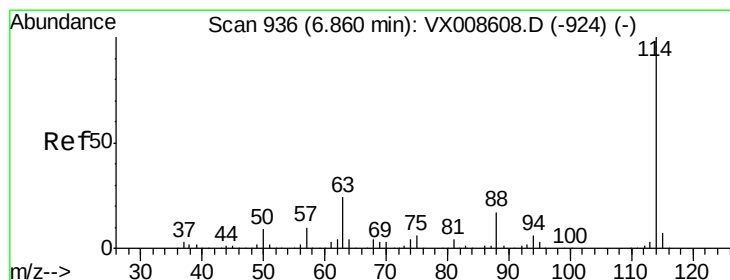
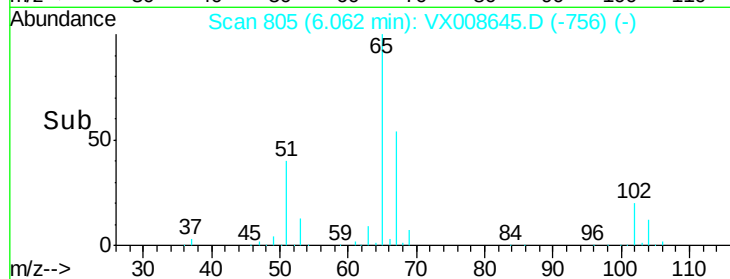
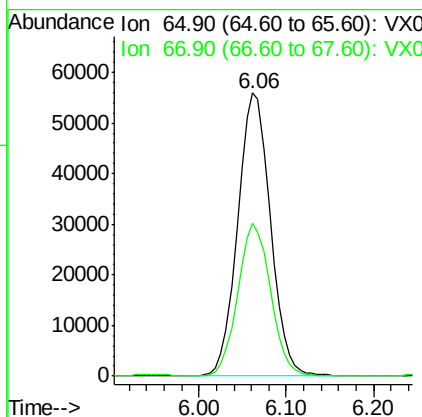
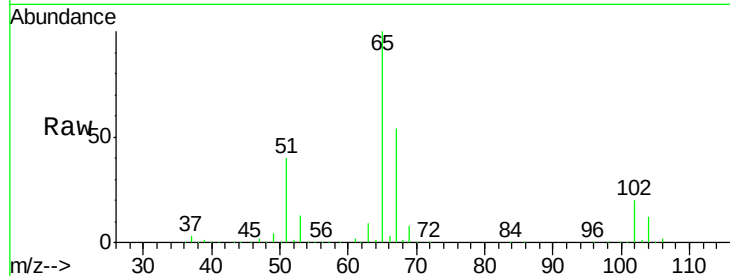
#33
 1,2-Dichloroethane-d4
 Concen: 45.651 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0712

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145055		
67	54.1	0.0	107.2	

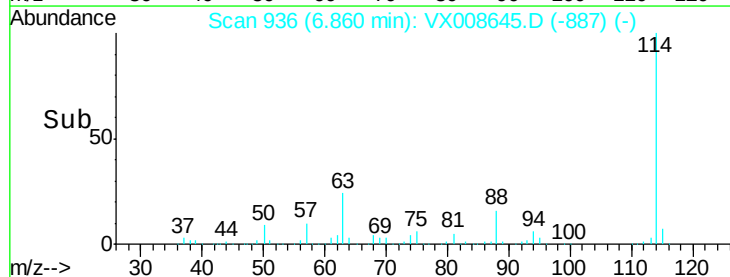
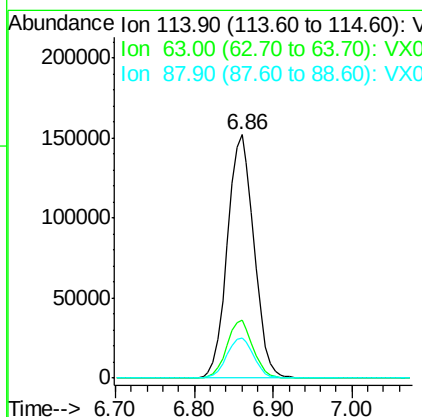
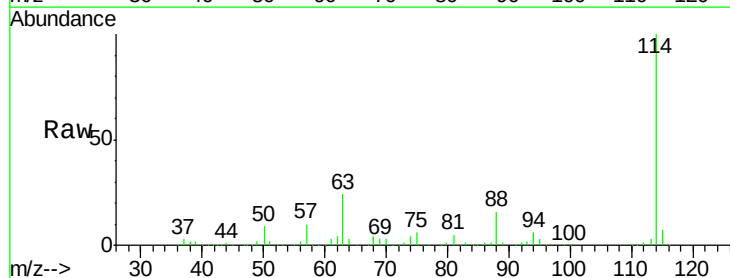
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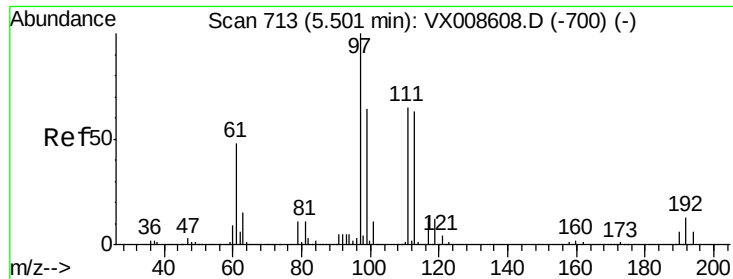
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	356465		
63	23.6	0.0	47.2	
88	16.5	0.0	34.0	





#35

Dibromofluoromethane

Concen: 46.701 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

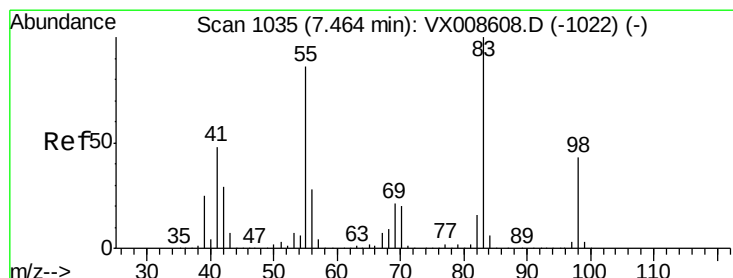
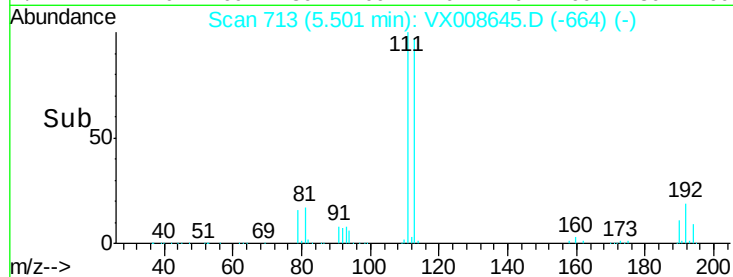
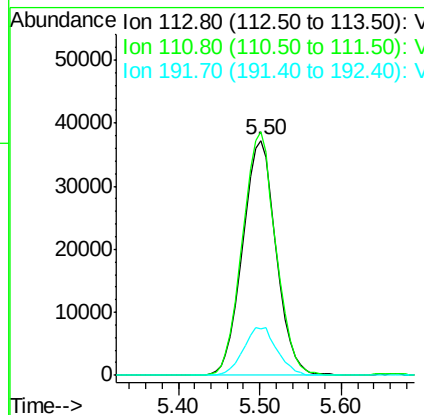
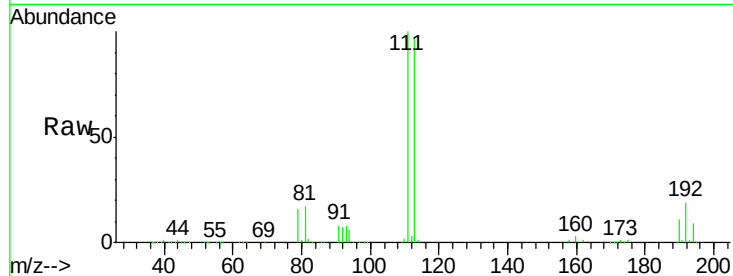
ClientSampled :

S8-0712

Tot Ion:	113	Resp:	106437
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.4	125.2
192	20.6	16.1	24.1

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#39

Methylcyclohexane

Concen: 78.579 ug/l

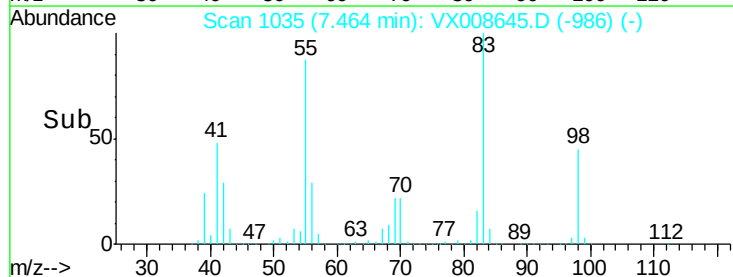
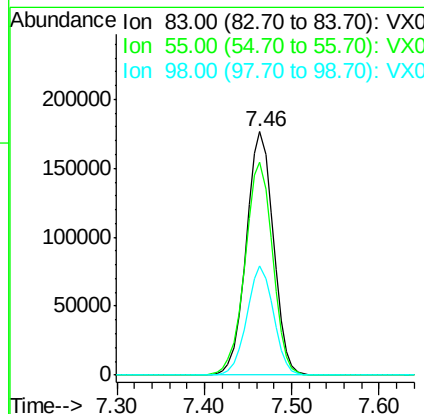
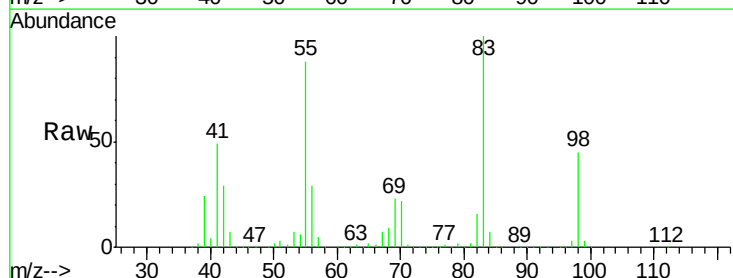
RT: 7.46 min Scan# 1035

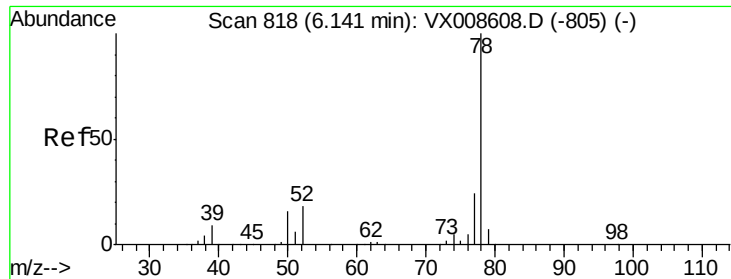
Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Tgt Ion:	83	Resp:	378237
Ion Ratio	Lower	Upper	
83	100		
55	87.5	69.0	103.6
98	44.8	34.4	51.6





#40

Benzene

Concen: 3.724 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S8-0712

Tot Ion: 78 Resp: 43224

Ion Ratio Lower Upper

78 100

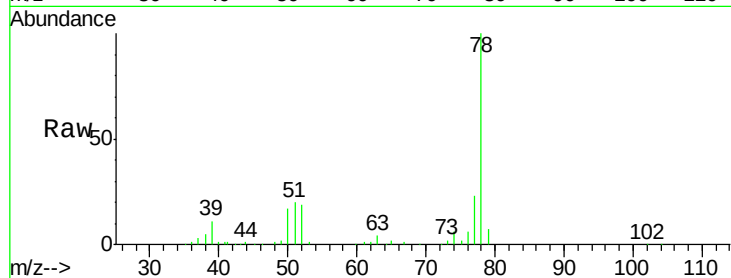
77 22.7 19.1 28.7

Manual Integrations

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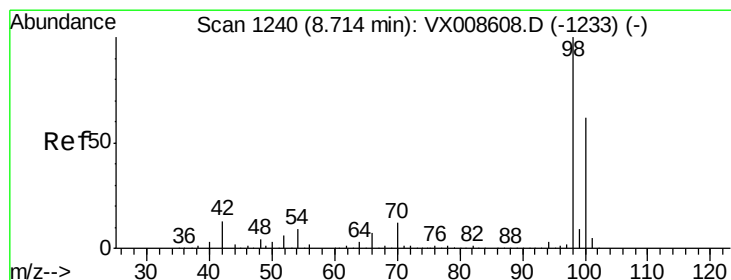
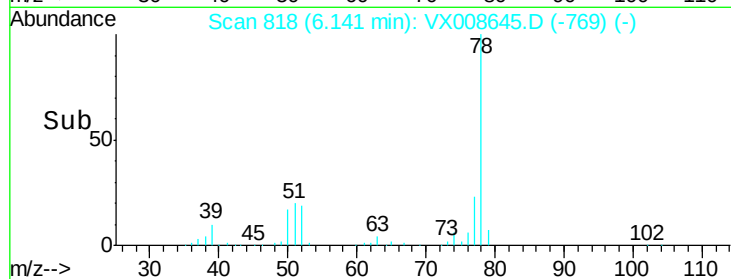
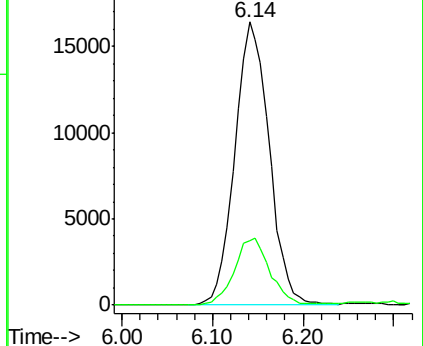
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.547 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008645.D

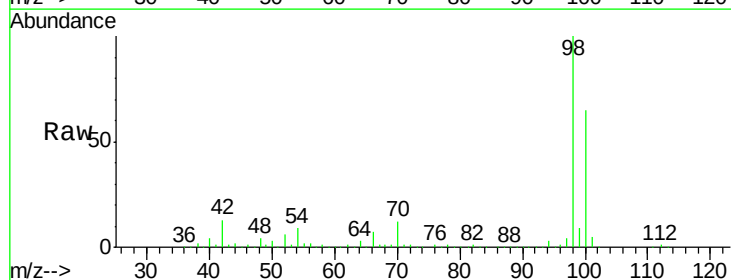
Acq: 04 Apr 2019 18:50

Tgt Ion: 98 Resp: 449630

Ion Ratio Lower Upper

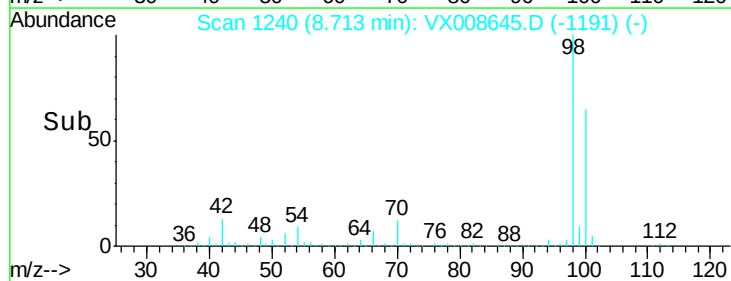
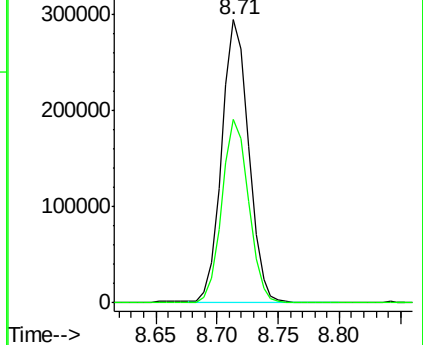
98 100

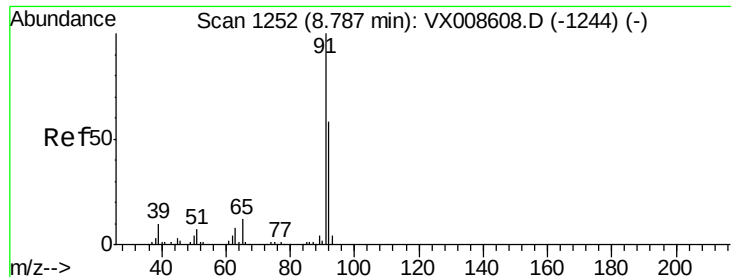
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 2.420 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S8-0712

Tot Ion: 92 Resp: 16565

Ion Ratio Lower Upper

92 100

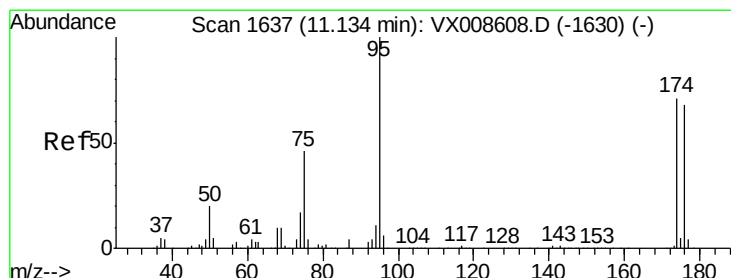
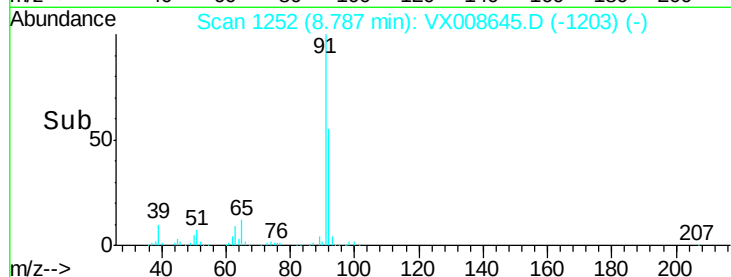
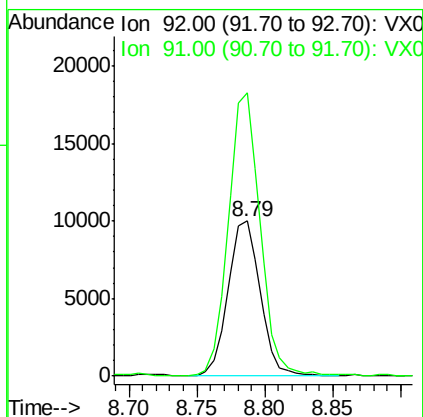
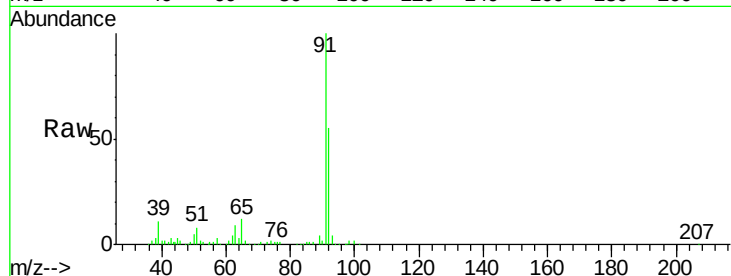
91 180.1 138.5 207.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.184 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

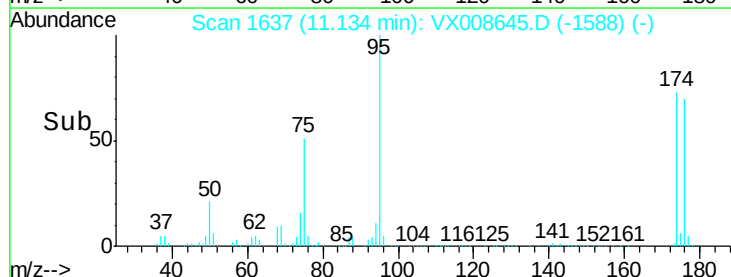
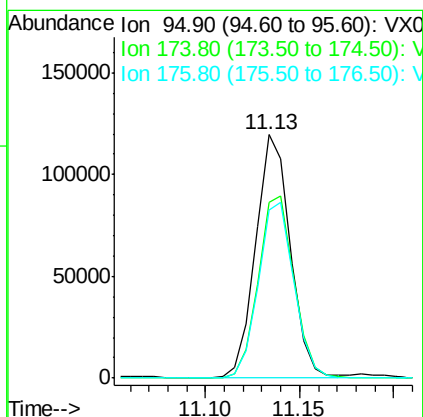
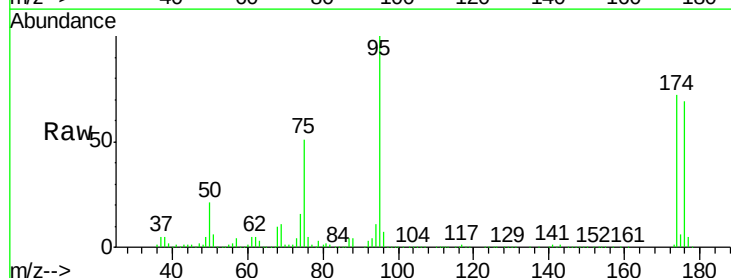
Tgt Ion: 95 Resp: 151840

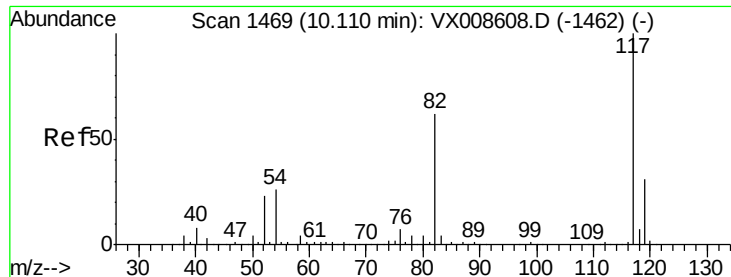
Ion Ratio Lower Upper

95 100

174 77.3 0.0 151.8

176 74.2 0.0 145.8





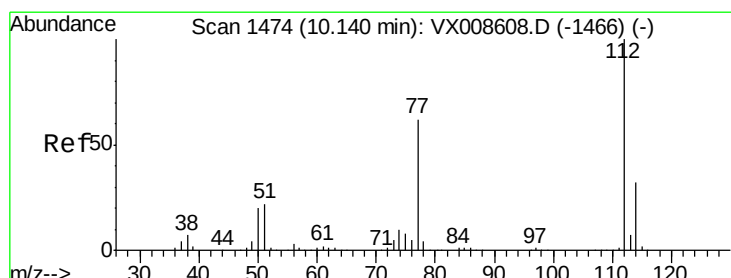
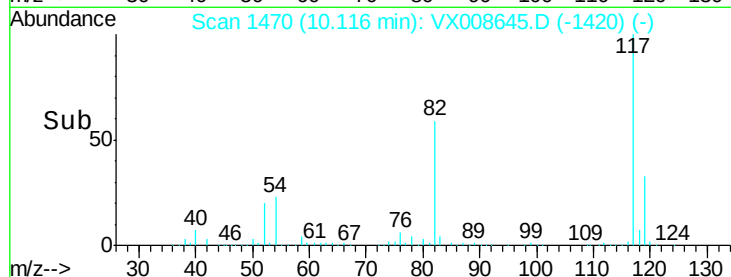
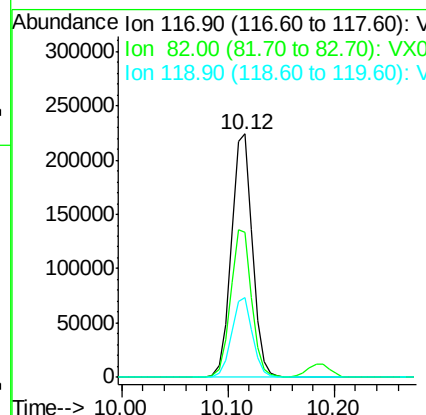
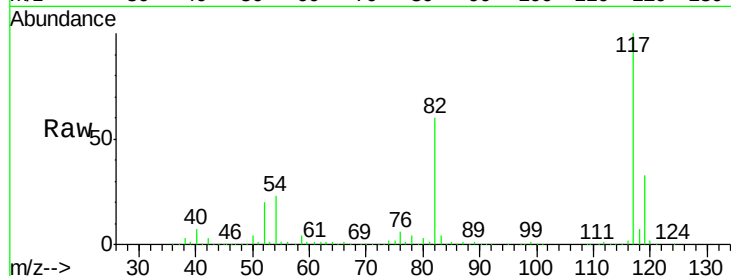
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Instrument :
MSVOA_X
ClientSampled :
S8-0712

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.6	74.4
119	32.7	25.0	37.4

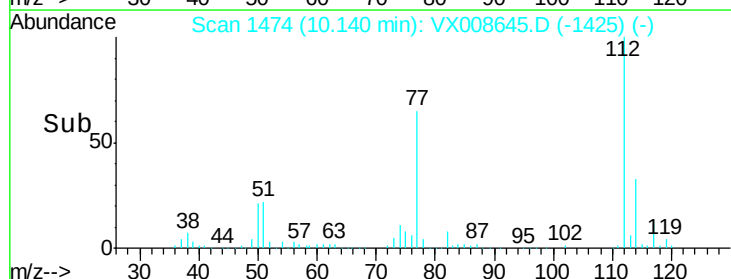
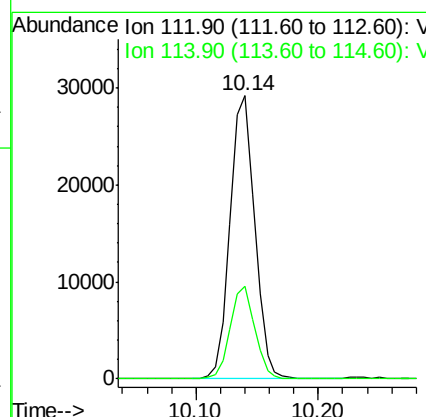
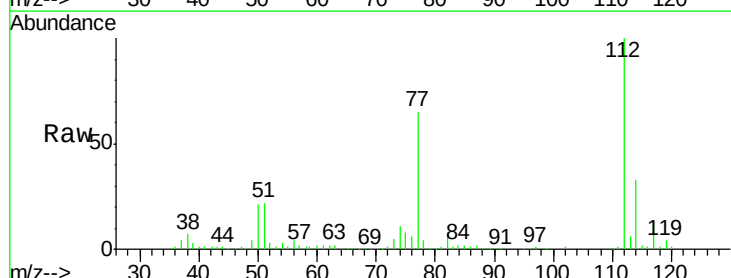
Manual Integrations
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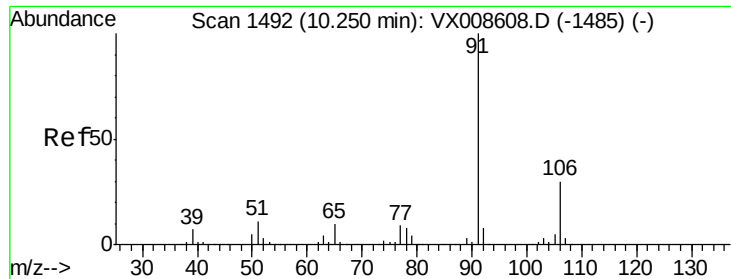
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#65
Chlorobenzene
Concen: 5.939 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.8





#67

Ethyl Benzene

Concen: 294.843 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampled :

S8-0712

Tot Ion: 91 Resp: 3788560

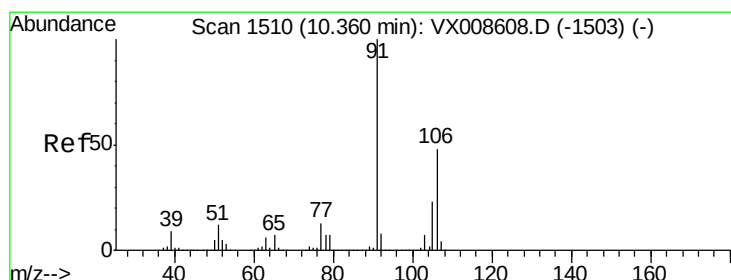
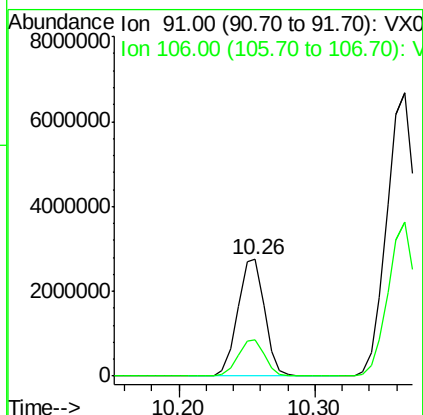
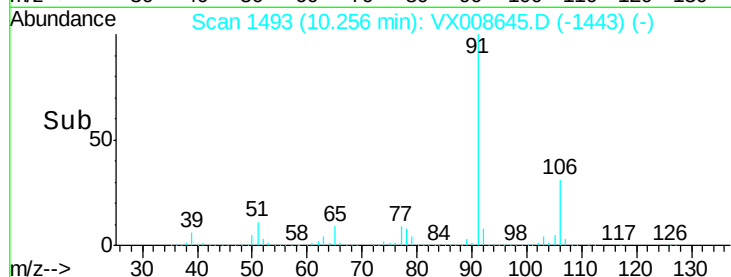
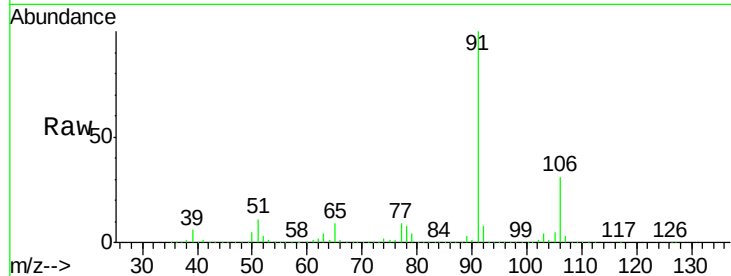
Ion Ratio Lower Upper

91 100

106 31.3 23.7 35.5

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#68

m/p-Xylenes

Concen: 1088.761 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX008645.D

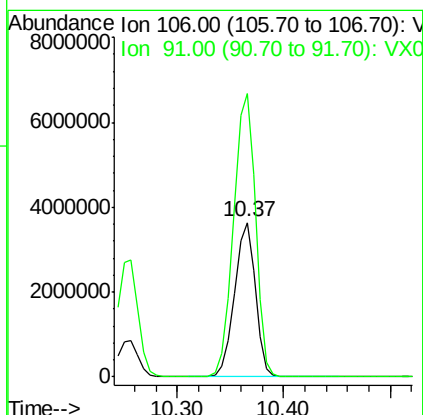
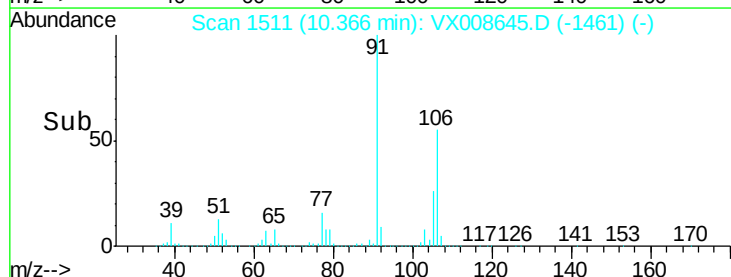
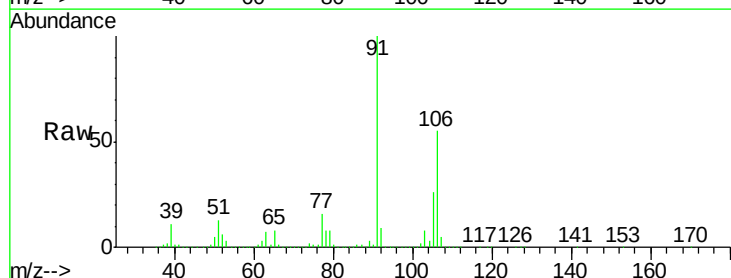
Acq: 04 Apr 2019 18:50

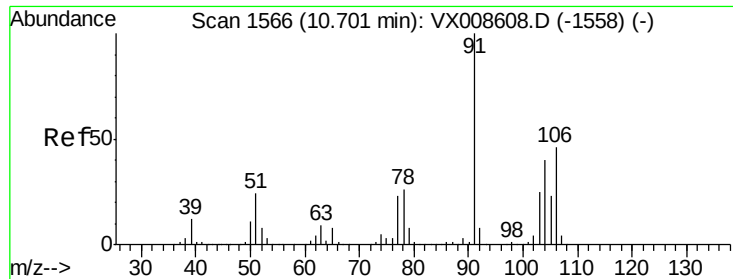
Tgt Ion: 106 Resp: 5030113

Ion Ratio Lower Upper

106 100

91 192.8 168.5 252.7





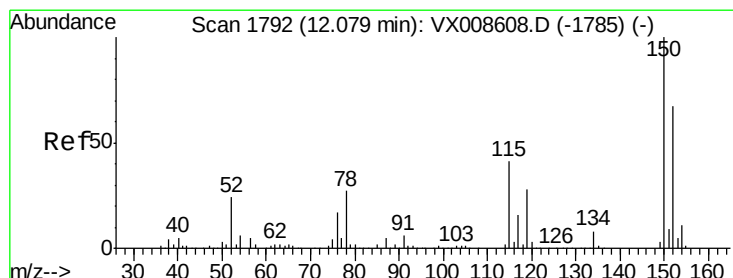
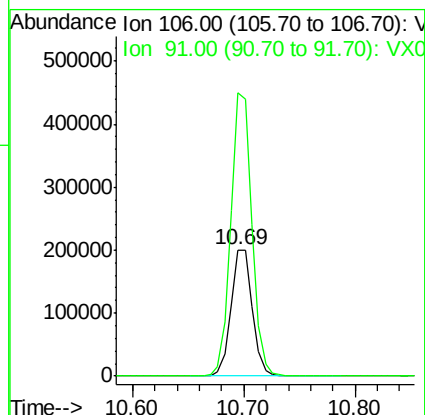
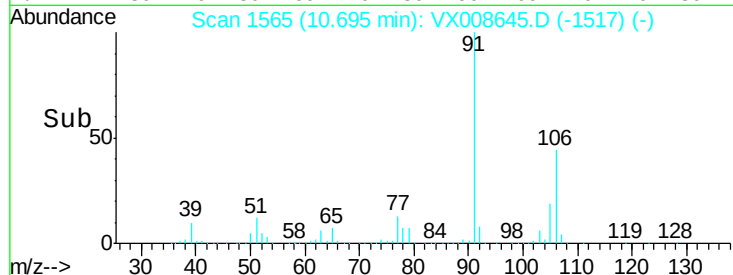
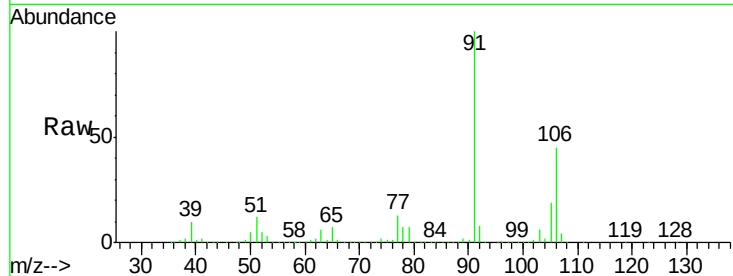
#69
o-Xylene
Concen: 58.982 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Instrument :
MSVOA_X
ClientSampled :
S8-0712

Tot Ion:106 Resp: 264083
Ion Ratio Lower Upper
106 100
91 222.2 111.5 334.4

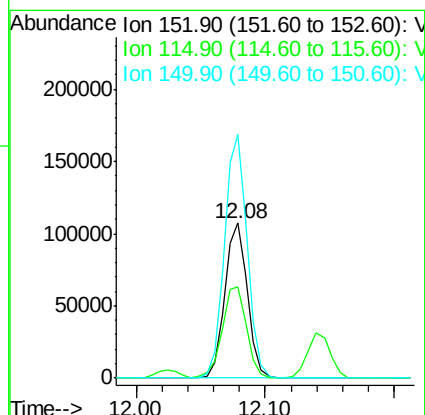
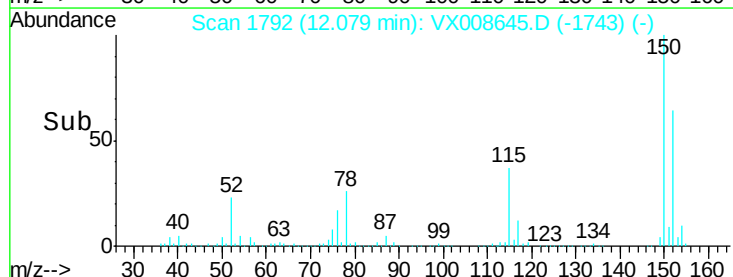
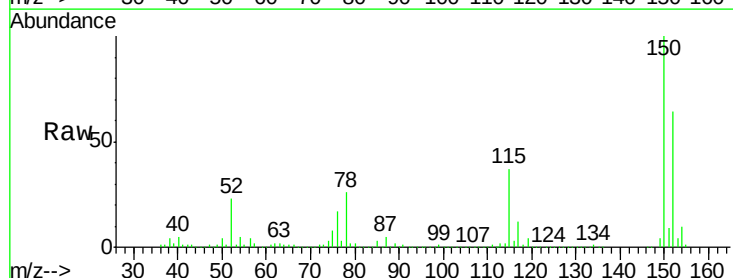
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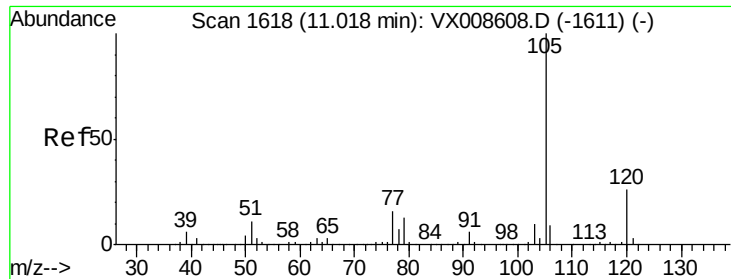
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008645.D
Acq: 04 Apr 2019 18:50

Tgt Ion:152 Resp: 132827
Ion Ratio Lower Upper
152 100
115 63.2 43.5 130.5
150 157.8 0.0 348.8





#73

Isopropylbenzene

Concen: 40.849 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampled :

S8-0712

Tot Ion: 105 Resp: 449652

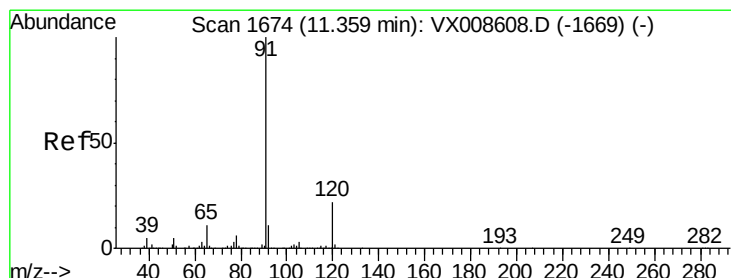
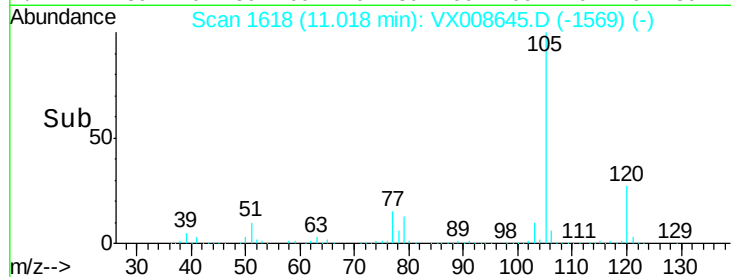
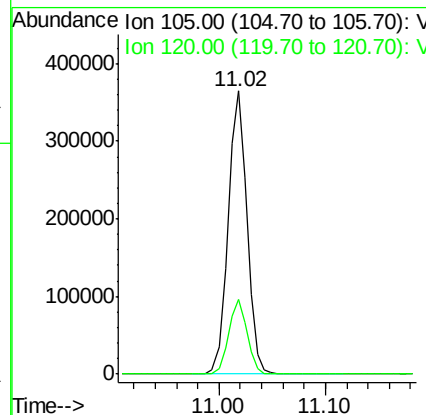
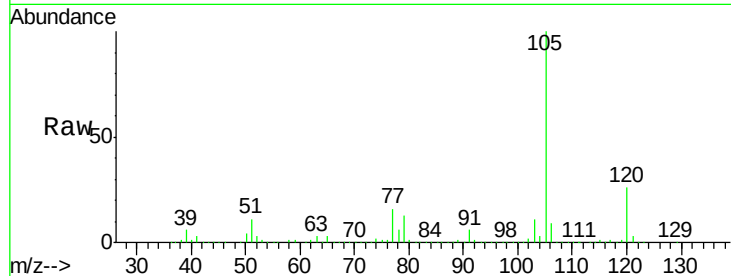
Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6

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#78

n-propylbenzene

Concen: 40.556 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008645.D

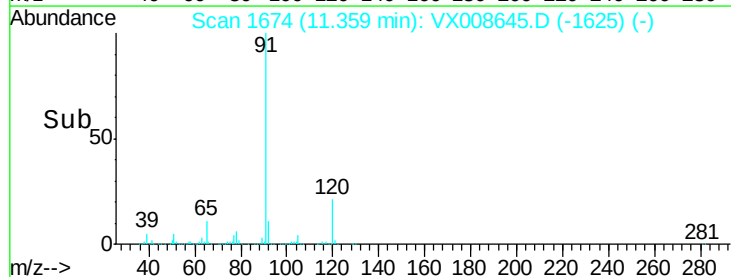
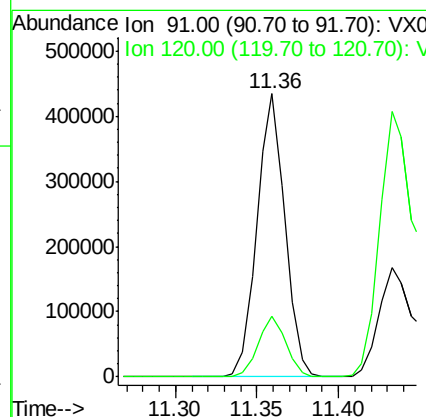
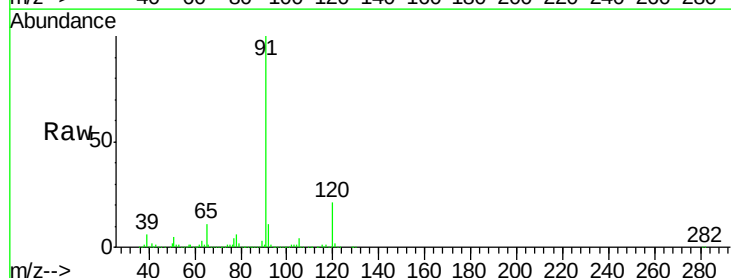
Acq: 04 Apr 2019 18:50

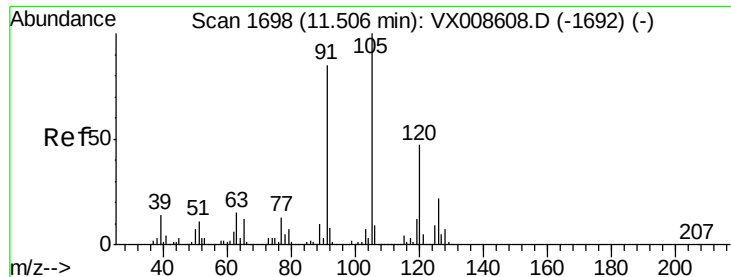
Tgt Ion: 91 Resp: 519808

Ion Ratio Lower Upper

91 100

120 21.4 10.9 32.7





#80

1,3,5-Trimethylbenzene

Concen: 93.264 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

Instrument :

MSVOA_X

ClientSampled :

S8-0712

Tot Ion:105 Resp: 861771

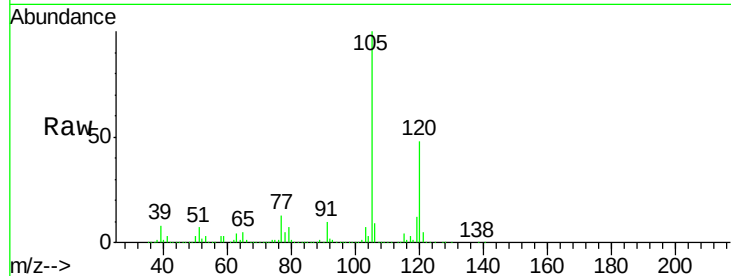
Ion Ratio Lower Upper

105 100

120 47.7 23.5 70.6

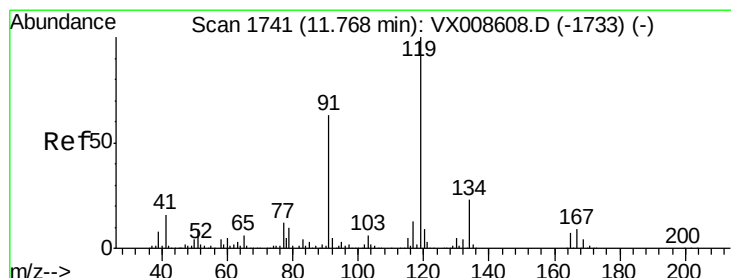
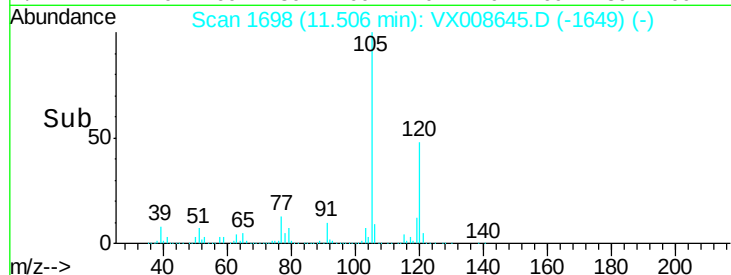
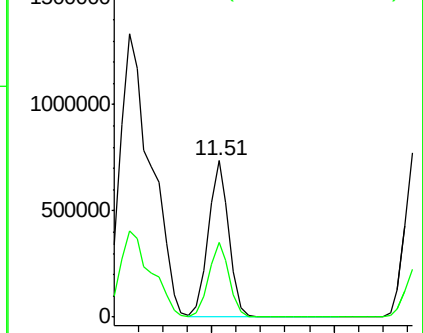
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.863 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008645.D

Acq: 04 Apr 2019 18:50

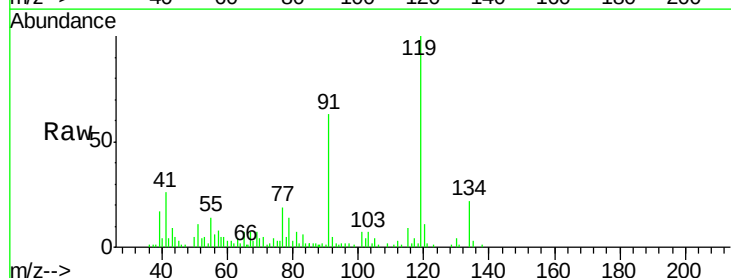
Tgt Ion:119 Resp: 7673

Ion Ratio Lower Upper

119 100

91 3263.9 30.0 90.1#

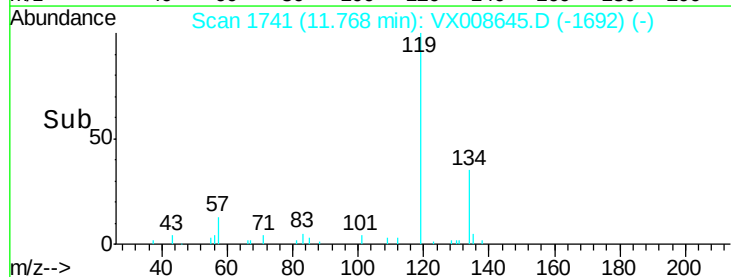
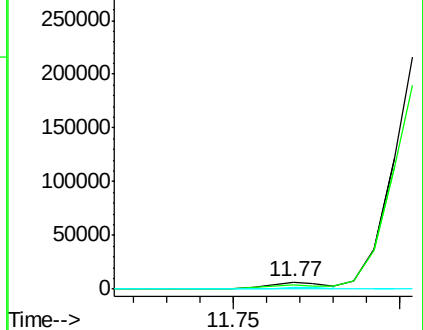
134 0.0 11.1 33.3#

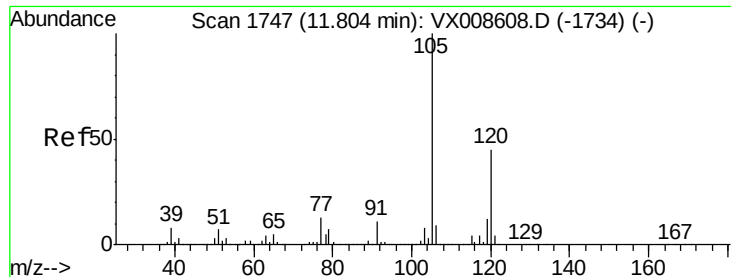


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





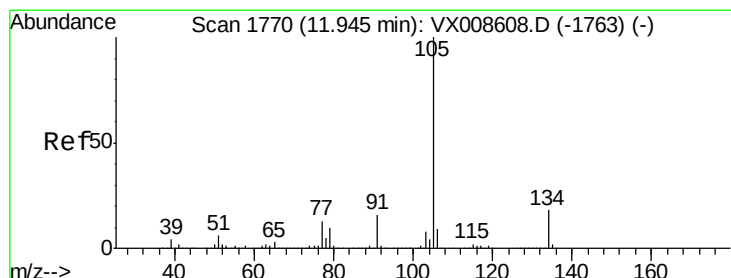
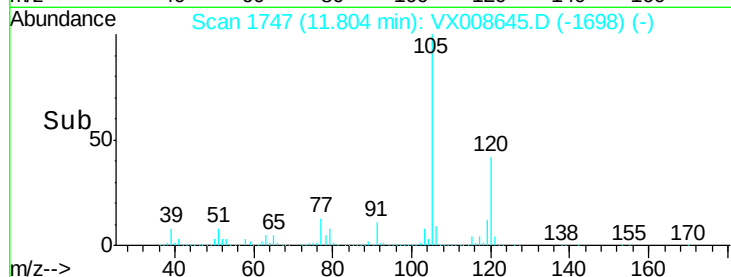
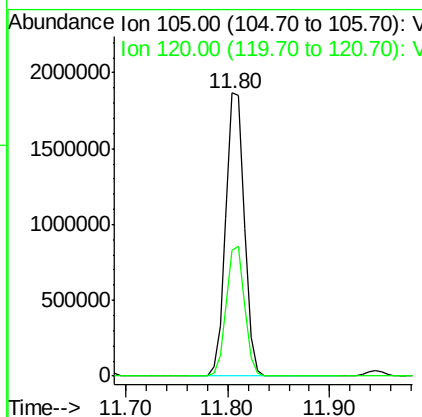
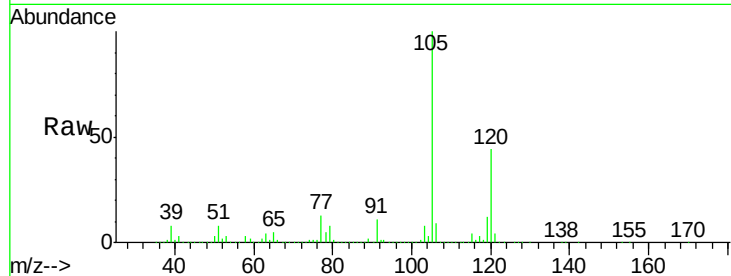
#84
 1,2,4-Trimethylbenzene
 Concen: 251.191 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712

Tot Ion:105 Resp: 2350195
 Ion Ratio Lower Upper
 105 100
 120 45.0 21.8 65.3

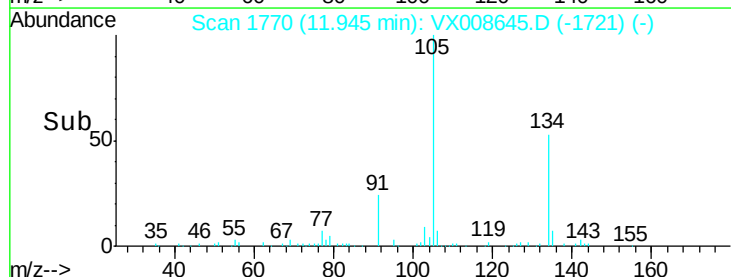
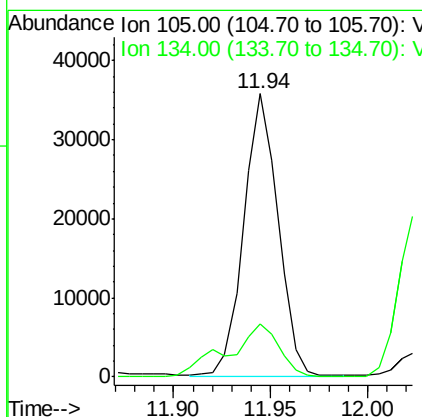
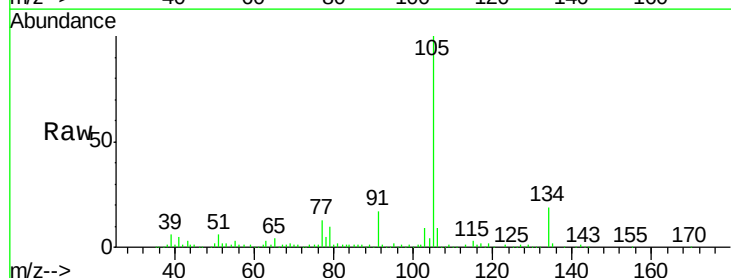
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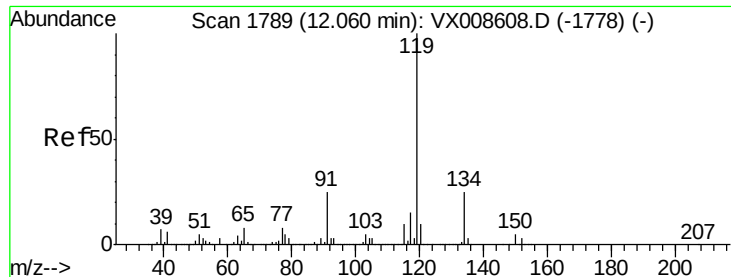
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#85
 sec-Butylbenzene
 Concen: 4.205 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Tgt Ion:105 Resp: 44404
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#





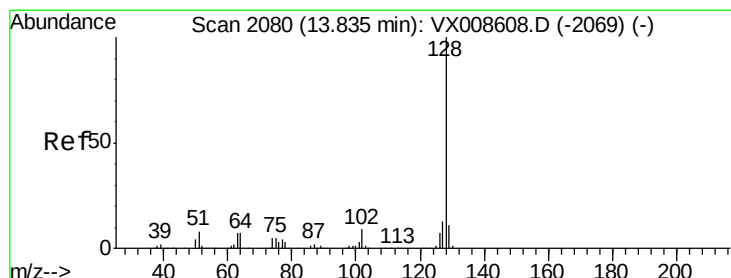
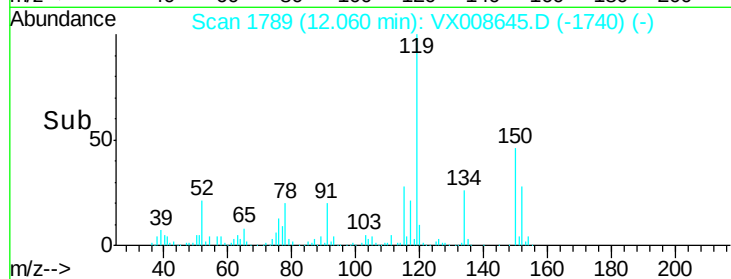
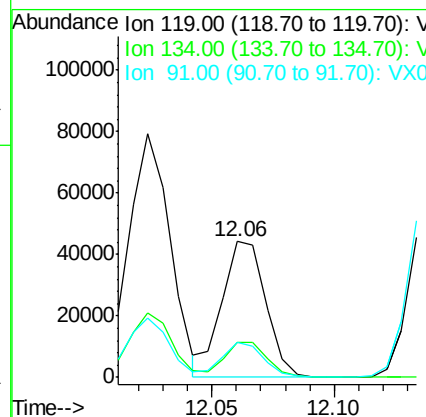
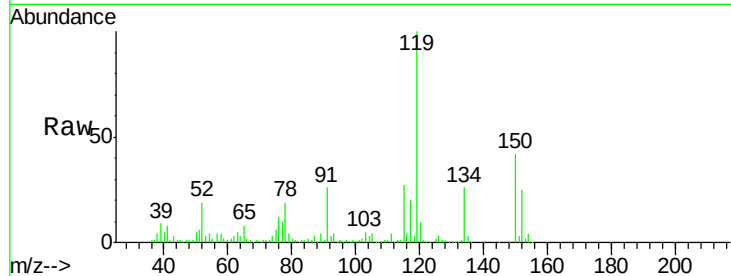
#86
 p-Isopropyltoluene
 Concen: 5.774 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0712

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.8	38.4
91	24.4	12.2	36.6

Manual Integrations
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#95
 Naphthalene
 Concen: 82.550 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX008645.D
 Acq: 04 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

