

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012526.D
 Acq On : 19 Sep 2019 14:24
 Operator : JC/SP
 Sample : K4887-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0159

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:14 AM

Quant Time: Sep 20 08:34:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119598	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	131072	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
35) Dibromofluoromethane	5.49	113	92435	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	358125	51.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	135120	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	494855	256.262	ug/l	98
39) Methylcyclohexane	7.46	83	766982	419.826	ug/l	99
67) Ethyl Benzene	10.25	91	4899910	648.536	ug/l	98
68) m/p-Xylenes	10.36	106	2004450	729.154	ug/l	98
69) o-Xylene	10.70	106	5411	1.914	ug/l	87
73) Isopropylbenzene	11.01	105	1185227	157.944	ug/l	99
78) n-propylbenzene	11.35	91	1343306	160.613	ug/l	99
83) tert-Butylbenzene	11.76	119	14564m	2.124	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4830592	735.128	ug/l	98
85) sec-Butylbenzene	11.94	105	161211	21.334	ug/l	83
86) p-Isopropyltoluene	12.06	119	169846	24.478	ug/l	99
89) n-Butylbenzene	12.39	91	51528m	8.323	ug/l	
95) Naphthalene	13.83	128	1378122	167.115	ug/l	100

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

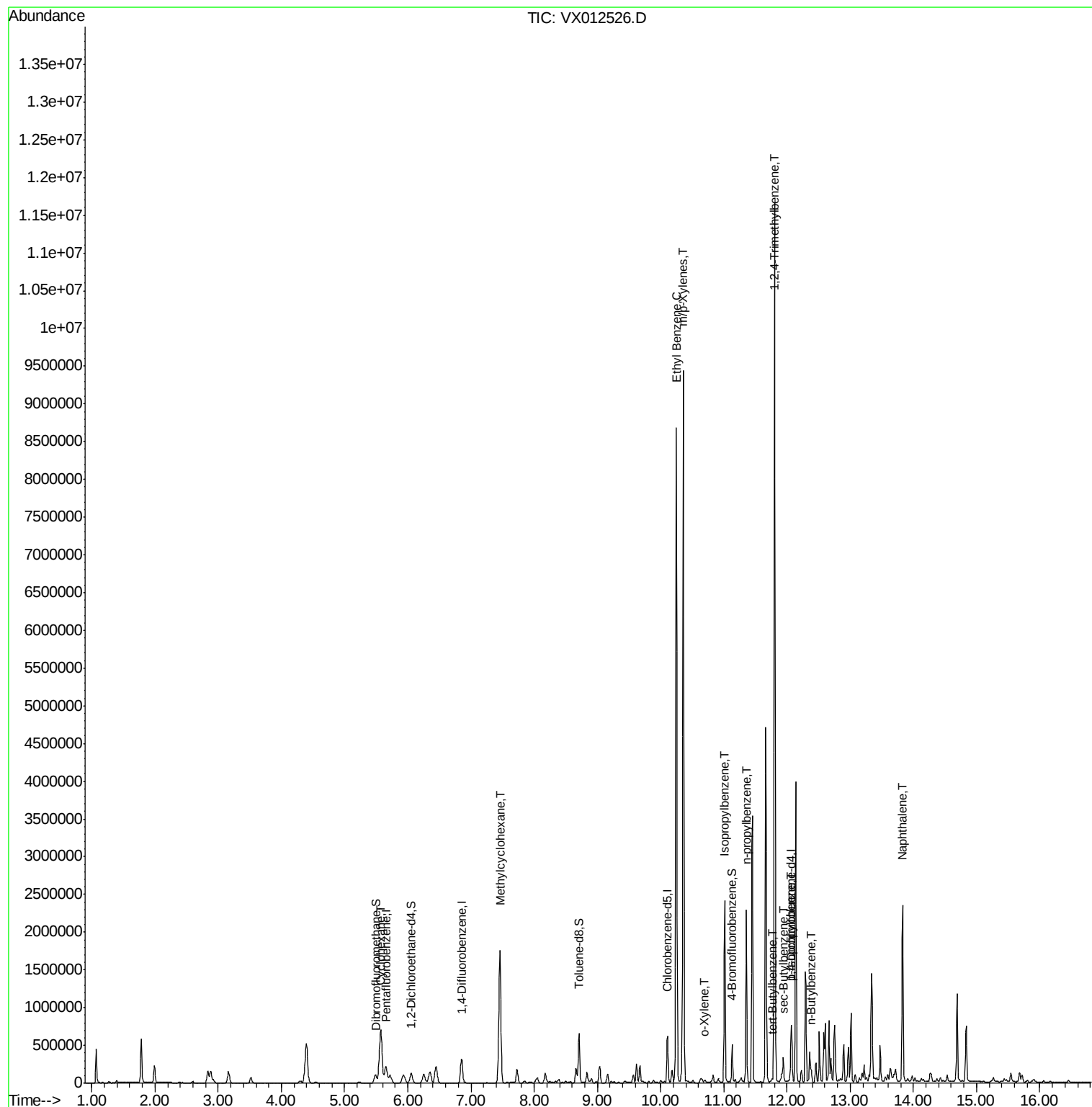
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

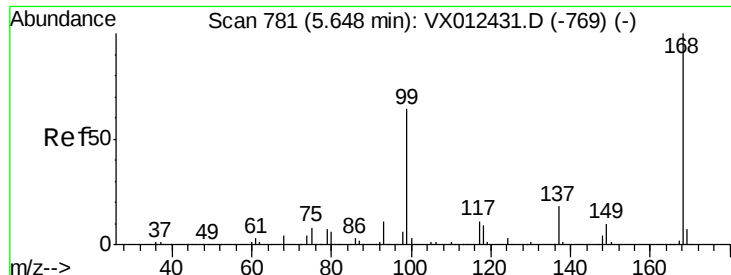
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

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Quant Time: Sep 20 08:34:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

Tot Ion:168 Resp: 195083

Ion Ratio Lower Upper

168 100

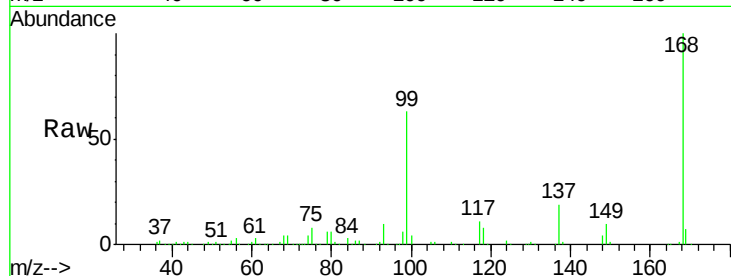
99 62.8 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

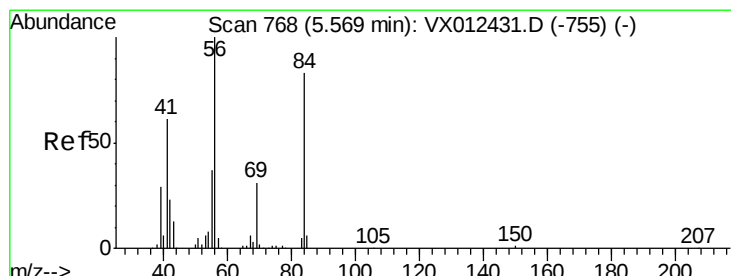
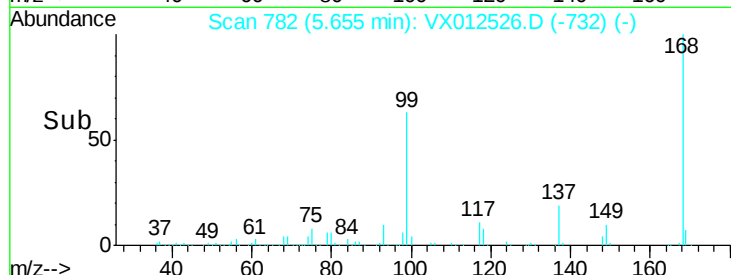
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 256.262 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

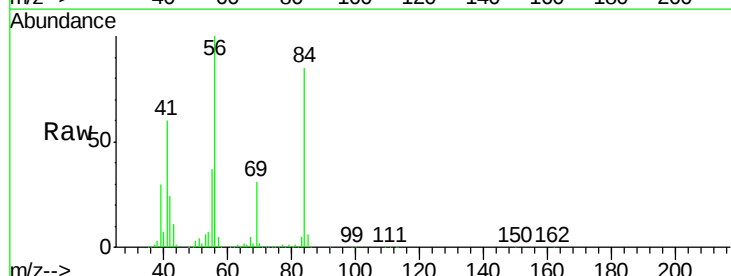
Tgt Ion: 56 Resp: 494855

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.6

84 85.1 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

200000

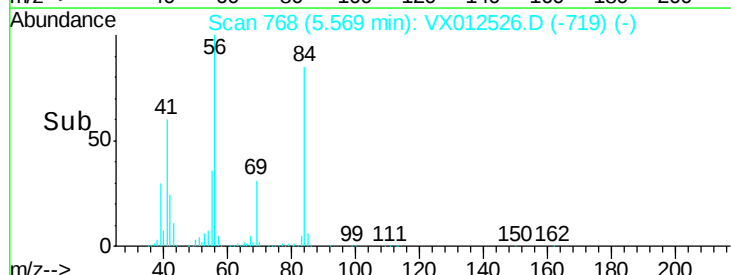
150000

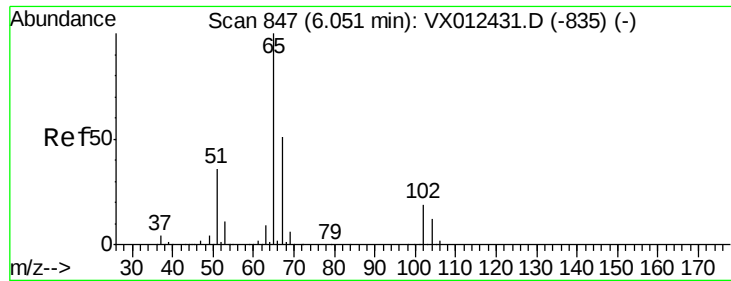
100000

50000

0

Time--> 5.40 5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 46.880 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0159

Tot Ion: 65 Resp: 131072

Ion Ratio Lower Upper

65 100

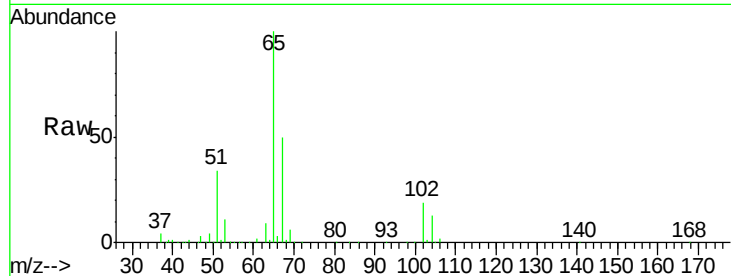
67 49.9 0.0 101.2

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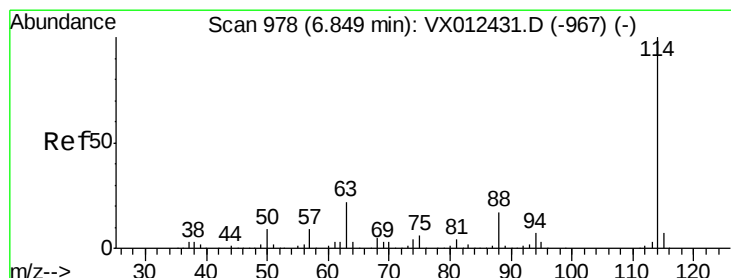
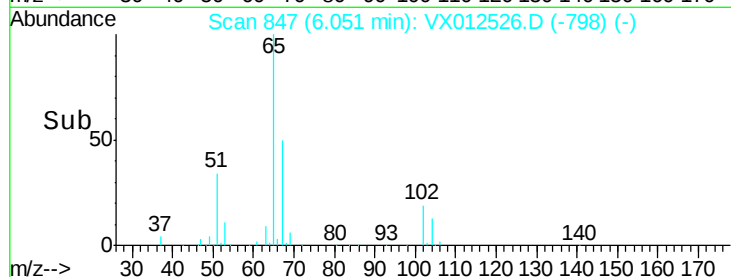
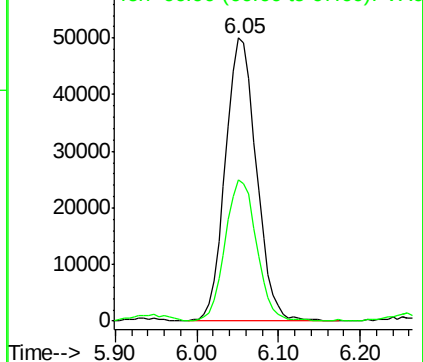
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

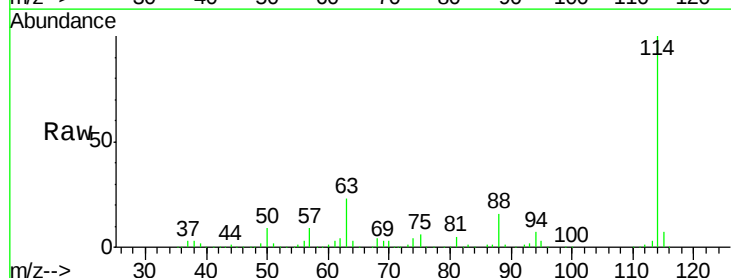
Tgt Ion: 114 Resp: 309217

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.2

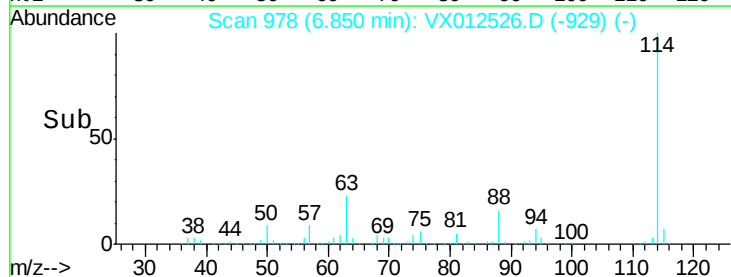
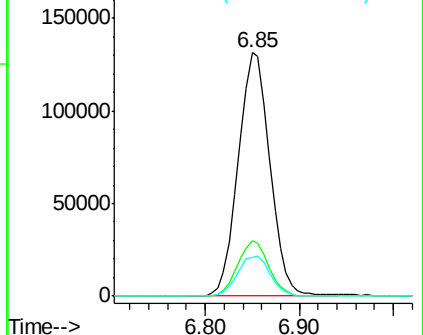
88 15.9 0.0 33.2

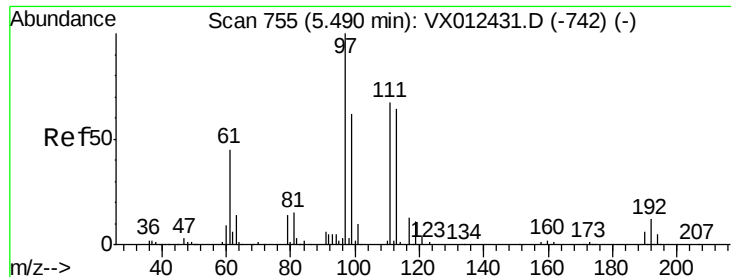


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.389 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

Tot Ion:113 Resp: 92435

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.2

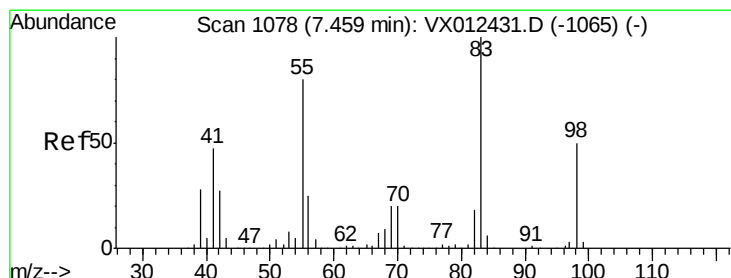
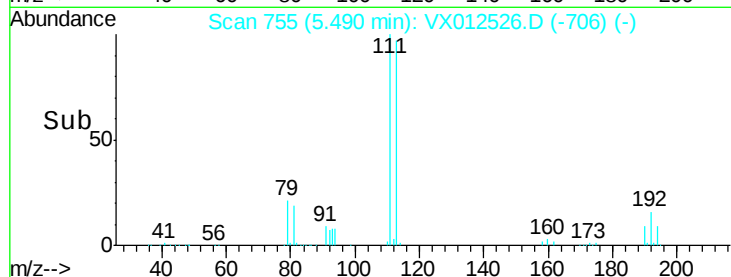
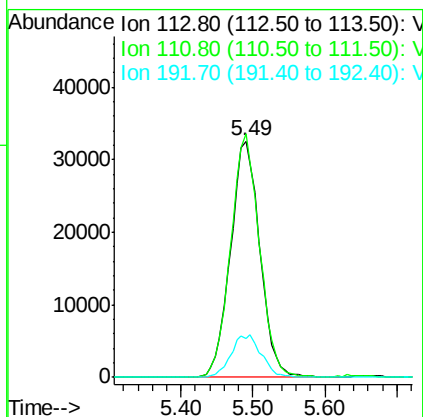
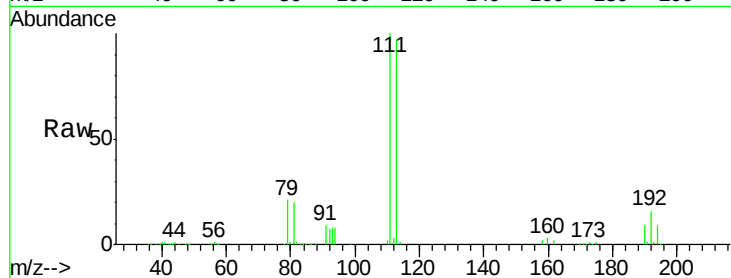
192 18.4 14.4 21.6

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#39

Methylcyclohexane

Concen: 419.826 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

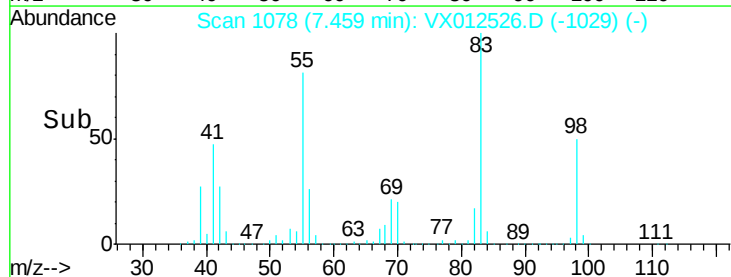
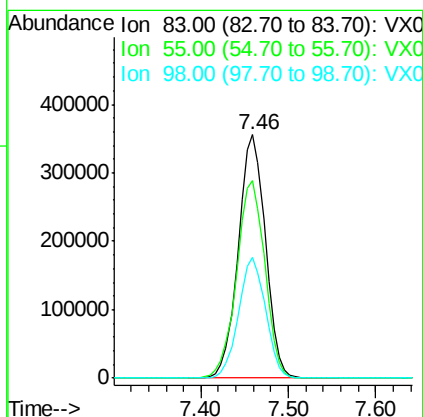
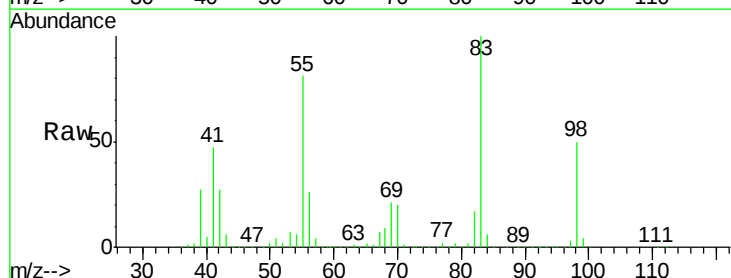
Tgt Ion: 83 Resp: 766982

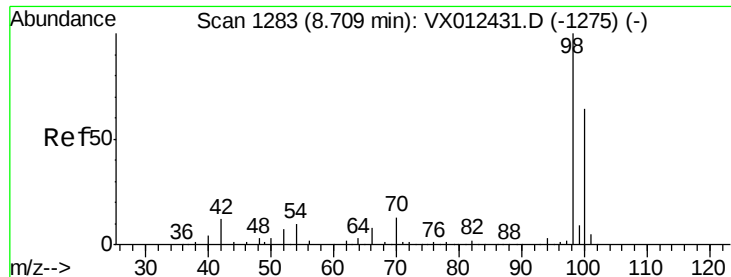
Ion Ratio Lower Upper

83 100

55 81.0 64.4 96.6

98 49.7 40.1 60.1





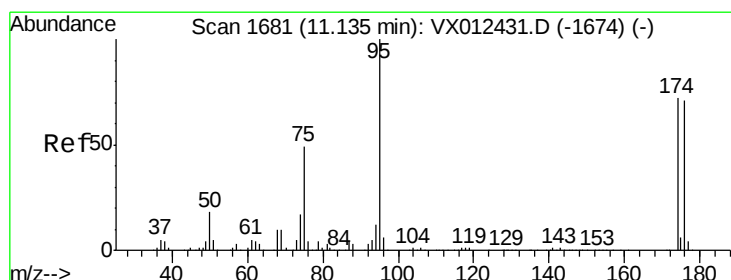
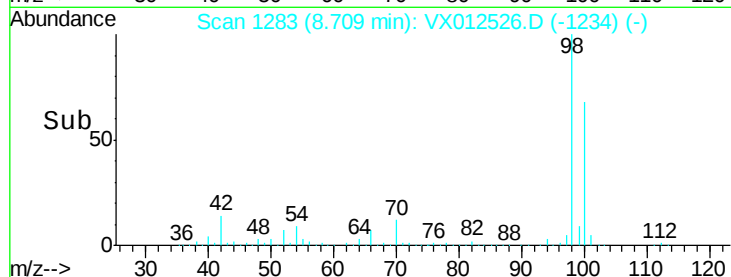
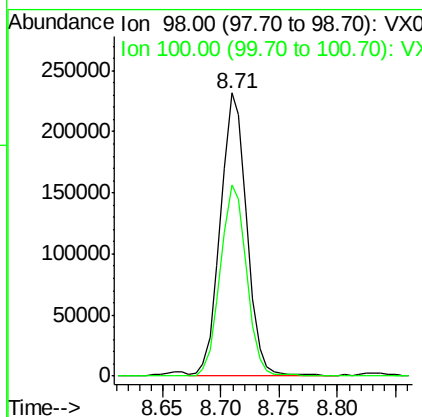
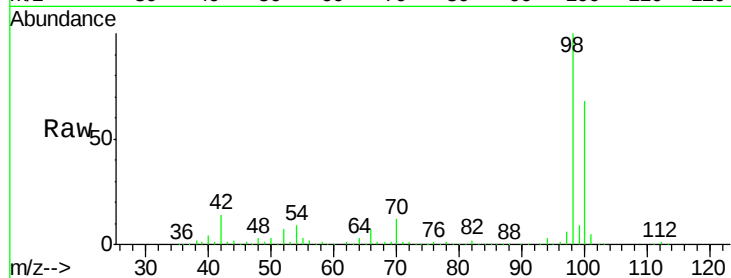
#50
Toluene-d8
Concen: 51.696 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampled :
Z2-0159

Tot Ion: 98 Resp: 358125
Ion Ratio Lower Upper
98 100
100 68.7 53.4 80.2

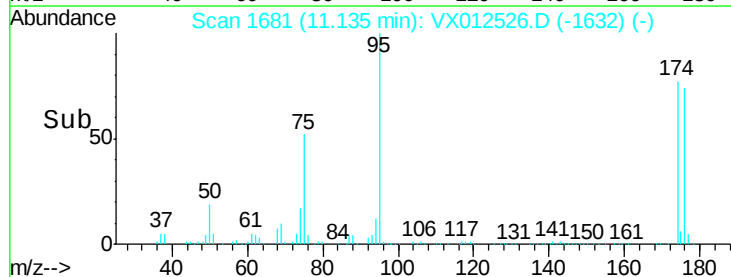
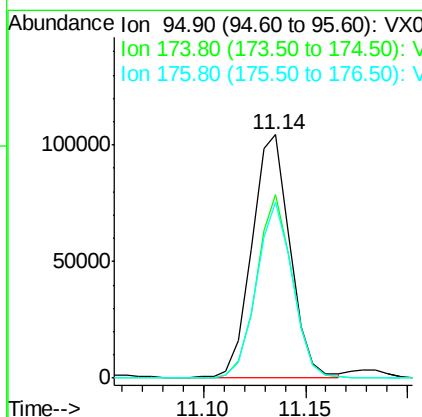
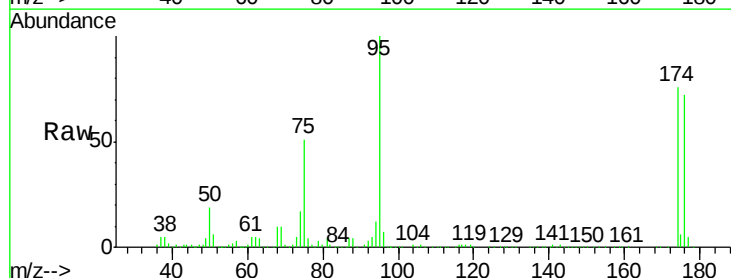
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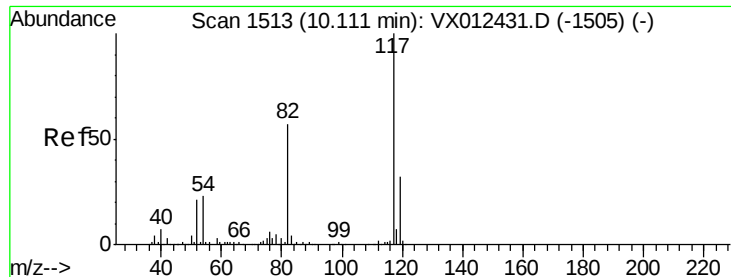
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#62
4-Bromofluorobenzene
Concen: 46.976 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 95 Resp: 135120
Ion Ratio Lower Upper
95 100
174 70.6 0.0 140.0
176 69.1 0.0 135.4





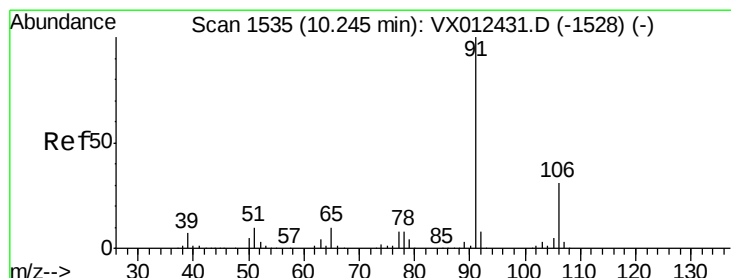
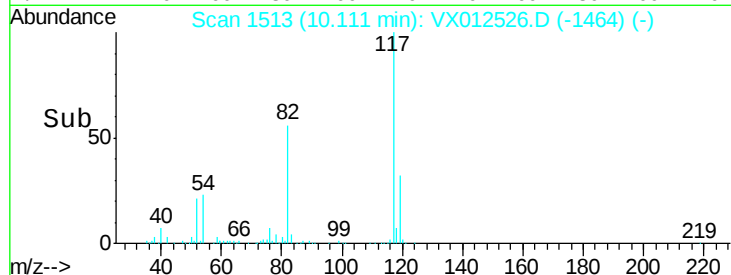
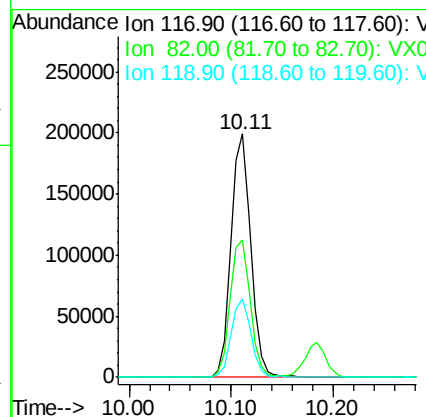
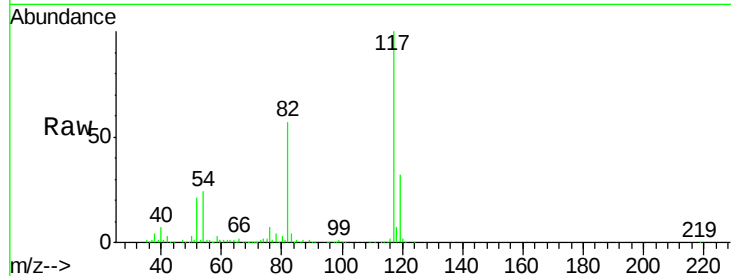
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampled :
Z2-0159

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.9	68.9
119	32.2	25.3	37.9

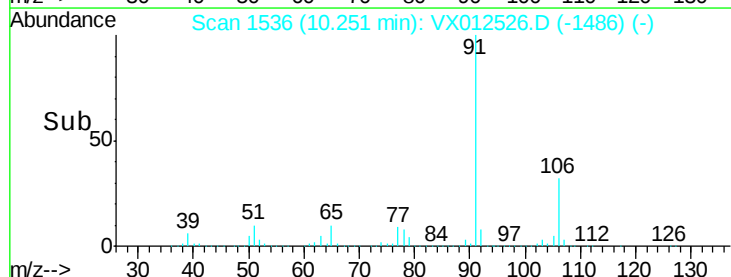
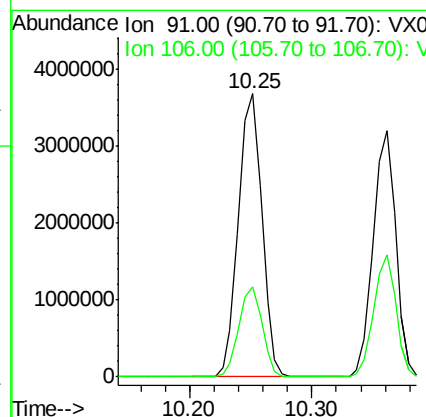
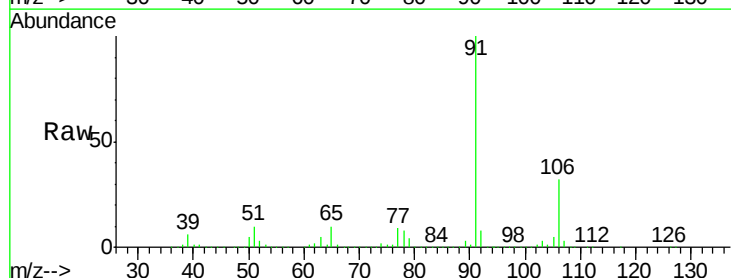
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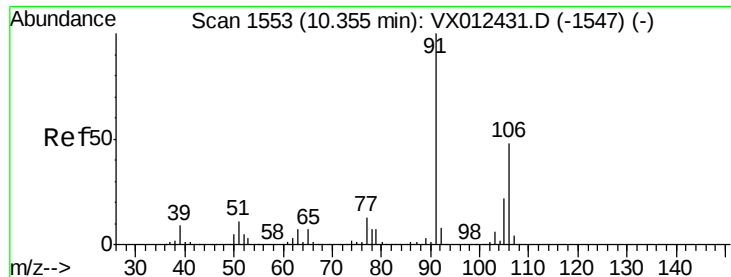
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9/20/2019 10:45:14 AM



#67
Ethyl Benzene
Concen: 648.536 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.6	37.0





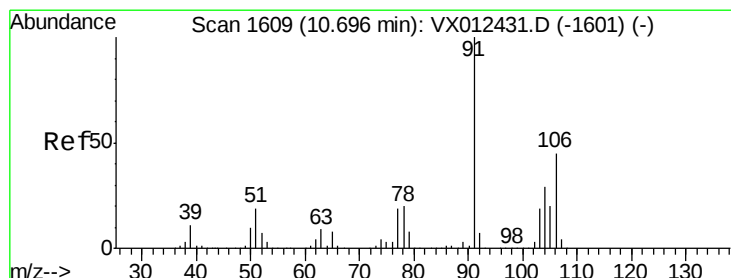
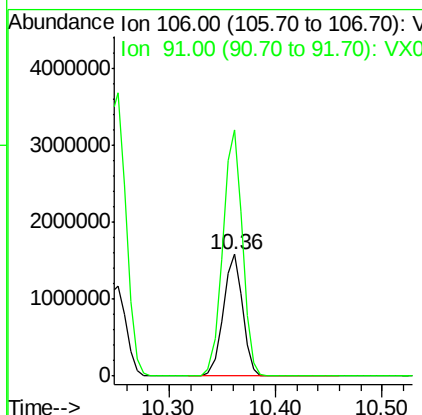
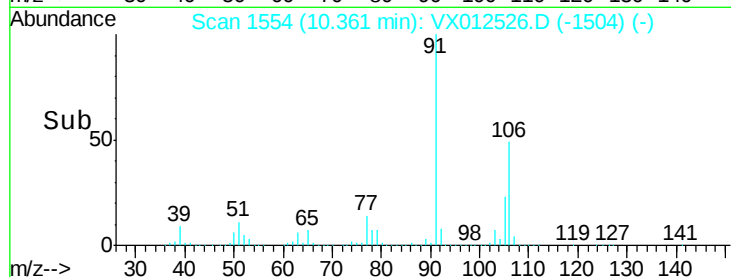
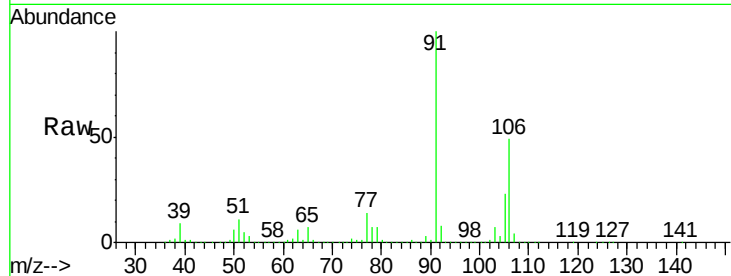
#68
m/p-Xvlenes
Concen: 729.154 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampled :
Z2-0159

Tot Ion:106 Resp: 2004450
Ion Ratio Lower Upper
106 100
91 205.9 166.6 250.0

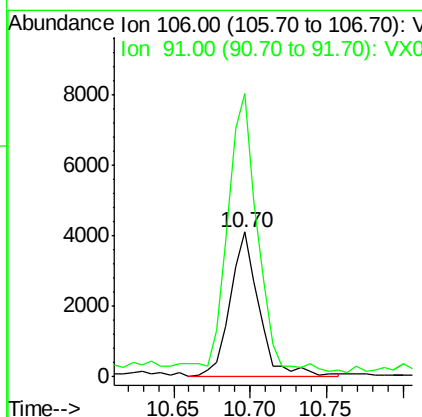
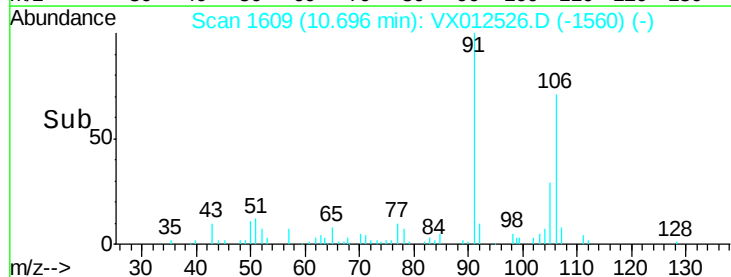
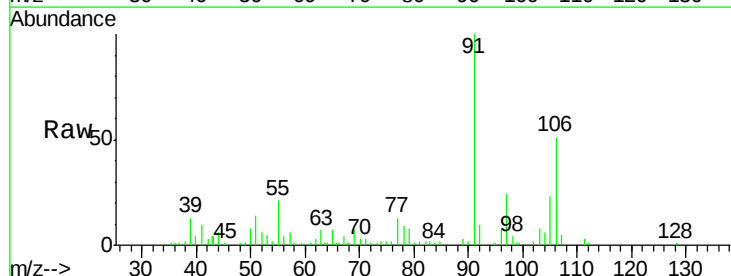
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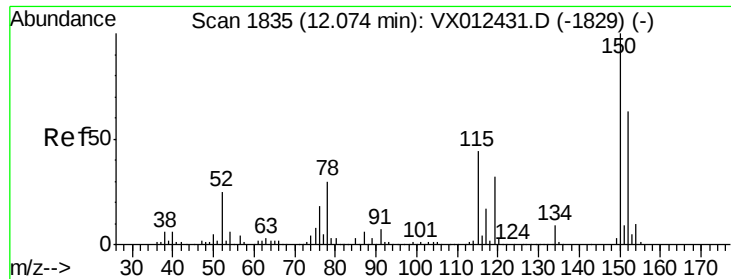
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#69
o-Xylene
Concen: 1.914 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion:106 Resp: 5411
Ion Ratio Lower Upper
106 100
91 198.0 109.4 328.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0159

Tot Ion:152 Resp: 119598

Ion Ratio Lower Upper

152 100

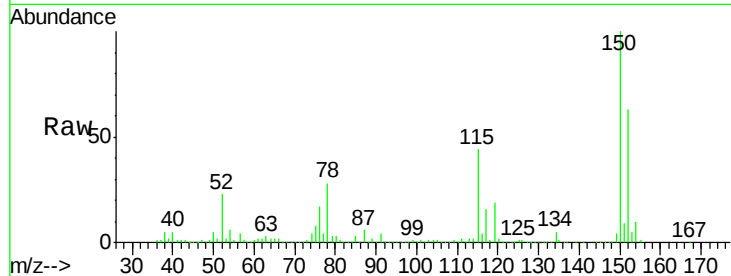
115 78.9 44.1 132.3

150 156.5 0.0 343.8

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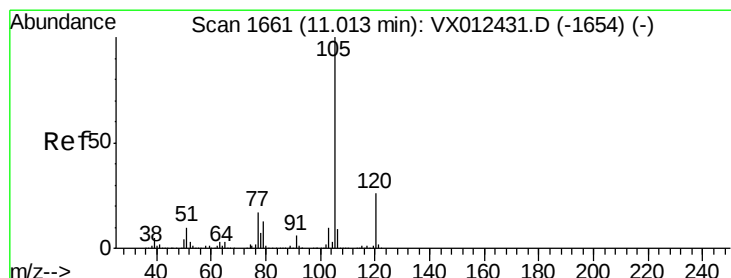
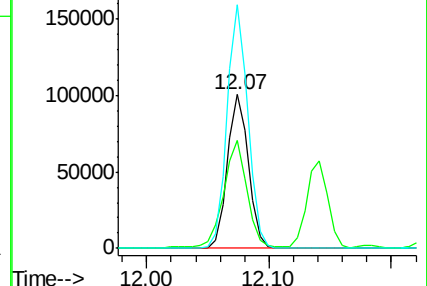
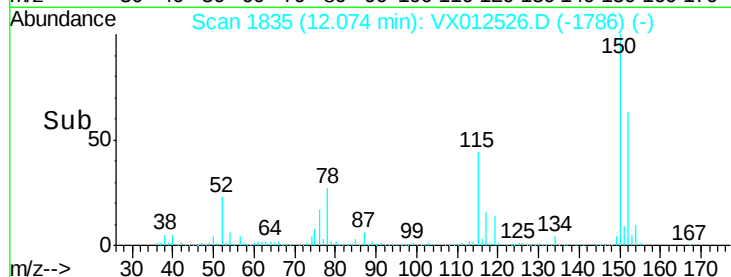
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 157.944 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012526.D

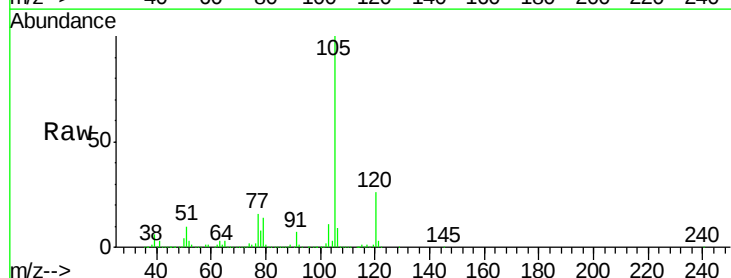
Acq: 19 Sep 2019 14:24

Tgt Ion:105 Resp: 1185227

Ion Ratio Lower Upper

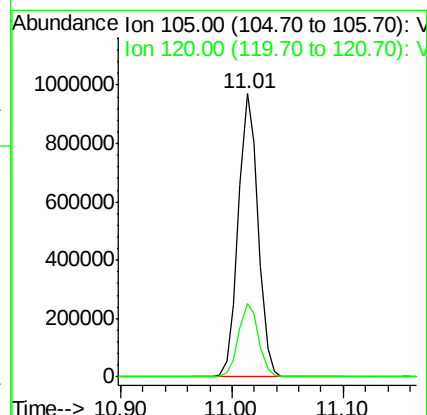
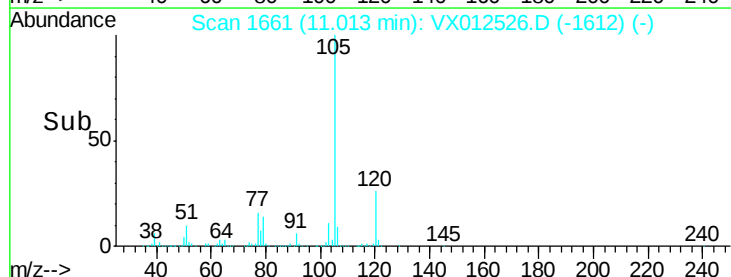
105 100

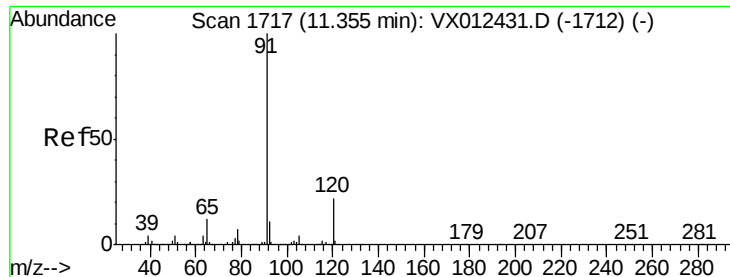
120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 160.613 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

Tot Ion: 91 Resp: 1343306

Ion Ratio Lower Upper

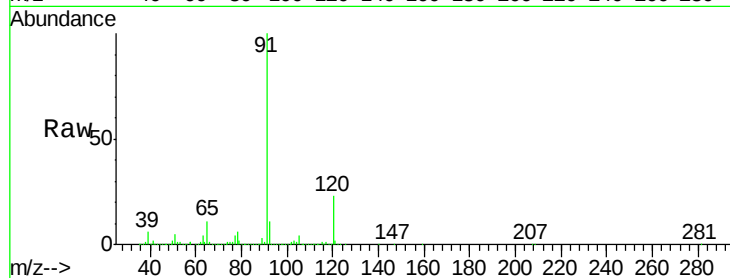
91 100

120 23.0 11.3 33.8

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

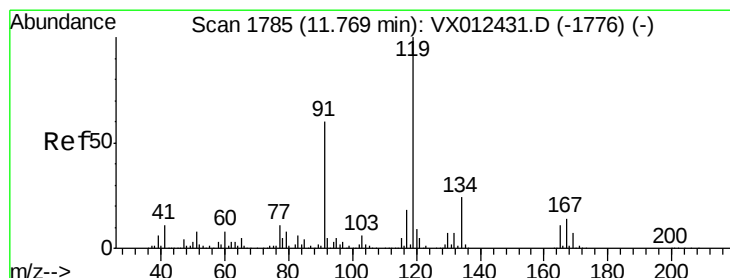
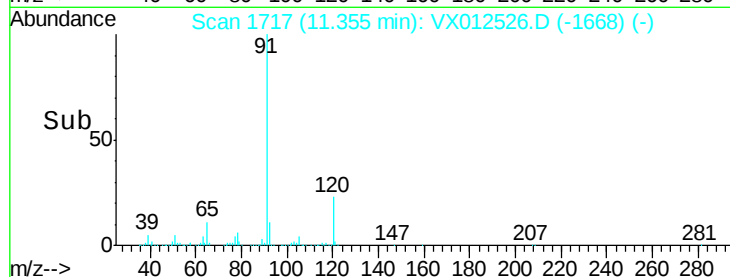
200000

0

Time-->

11.30

11.40



#83

tert-Butylbenzene

Concen: 2.124 ug/l m

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

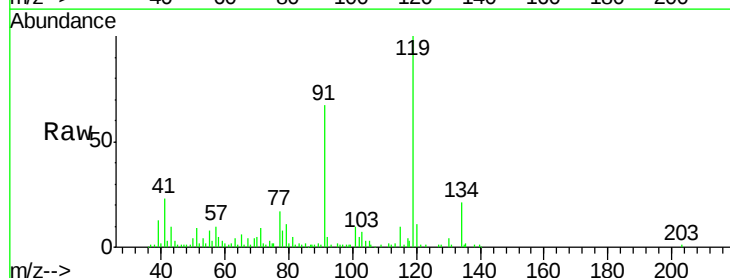
Tgt Ion: 119 Resp: 14564

Ion Ratio Lower Upper

119 100

91 3833.4 30.0 90.0#

134 0.0 11.3 33.9#



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

200000

150000

100000

50000

0

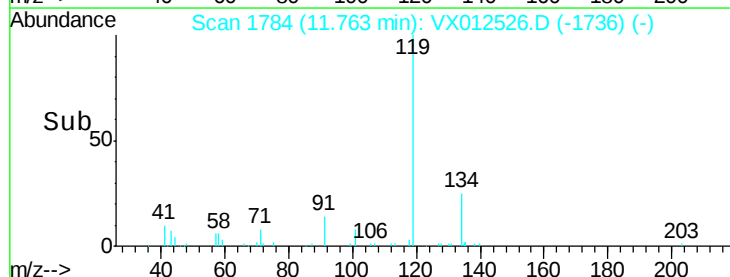
Time-->

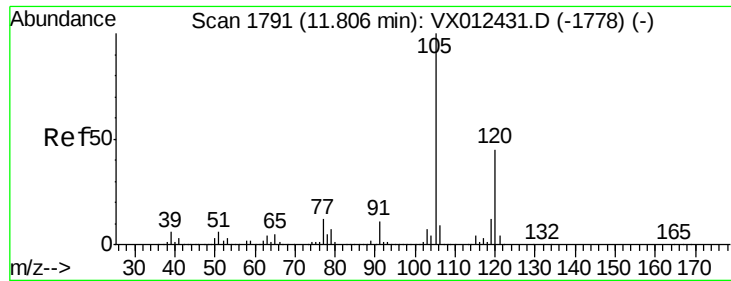
11.72

11.74

11.76

11.78





#84

1,2,4-Trimethylbenzene

Concen: 735.128 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

Tot Ion:105 Resp: 4830592

Ion Ratio Lower Upper

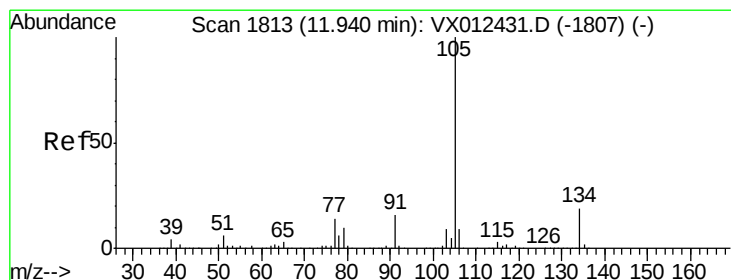
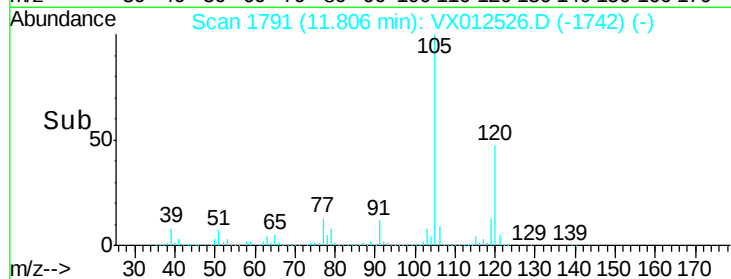
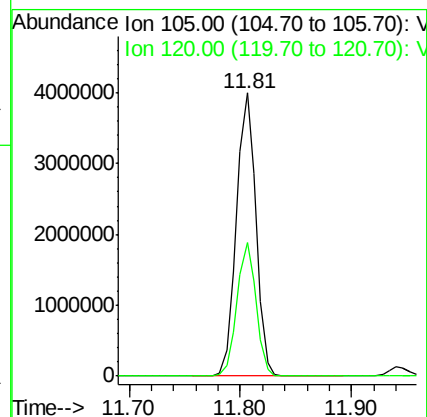
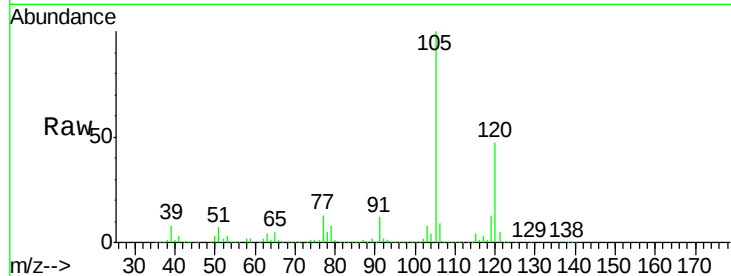
105 100

120 46.0 22.2 66.6

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#85

sec-Butylbenzene

Concen: 21.334 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012526.D

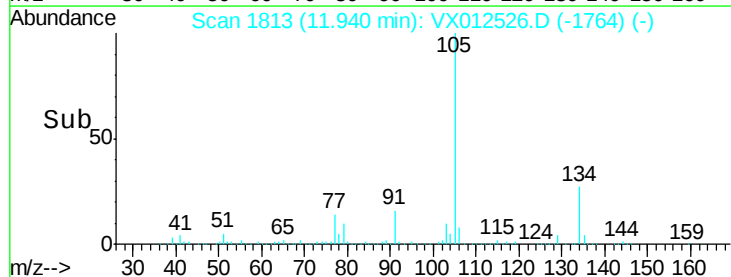
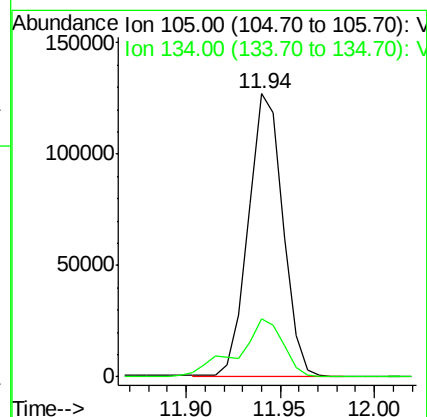
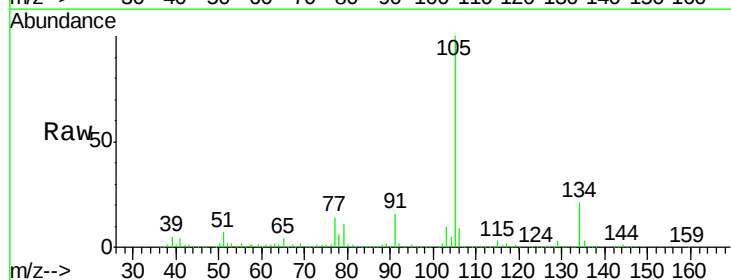
Acq: 19 Sep 2019 14:24

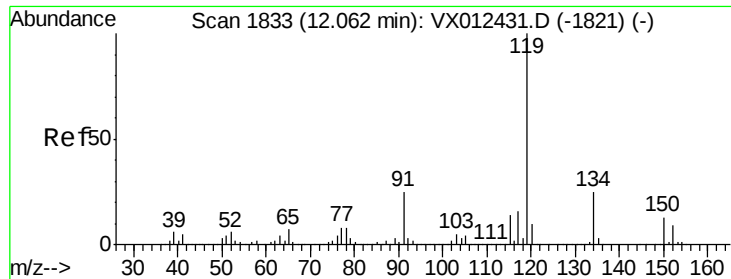
Tgt Ion:105 Resp: 161211

Ion Ratio Lower Upper

105 100

134 27.2 9.8 29.4





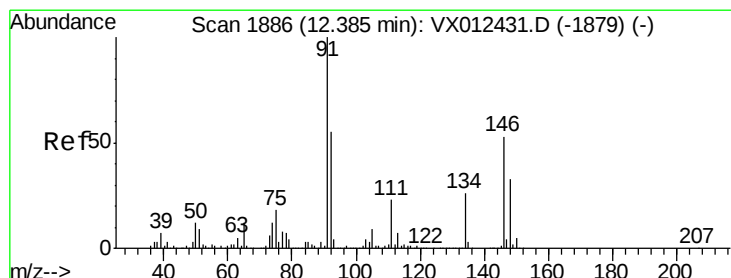
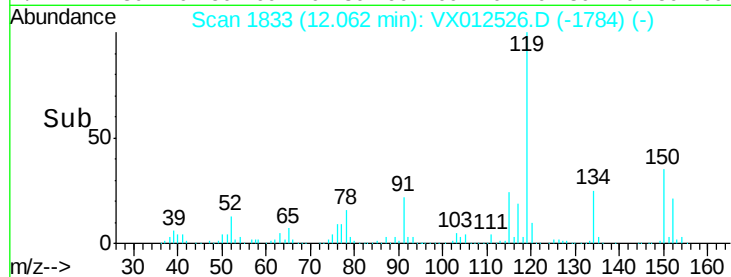
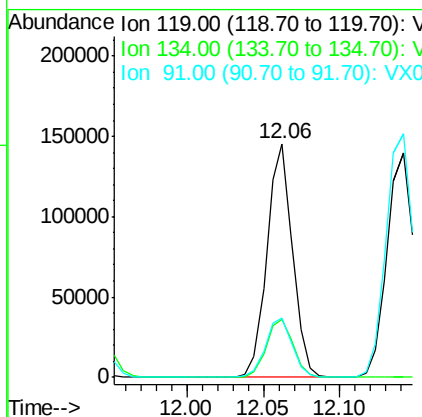
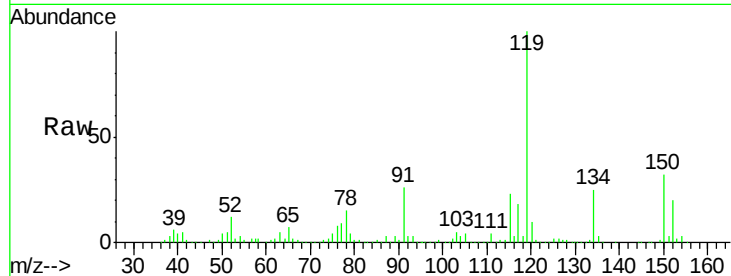
#86
p-Isopropyltoluene
Concen: 24.478 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampled :
Z2-0159

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169846		
134	25.9	12.7	38.1	
91	26.1	12.8	38.4	

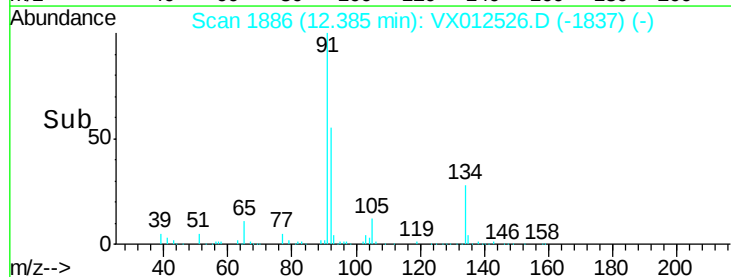
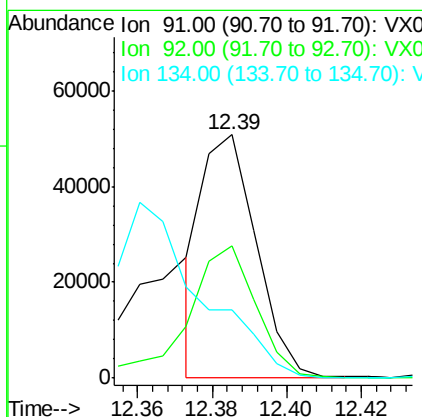
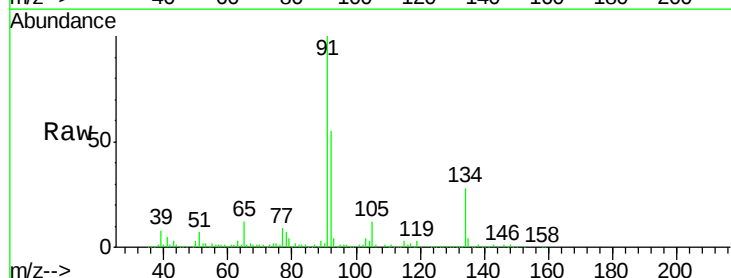
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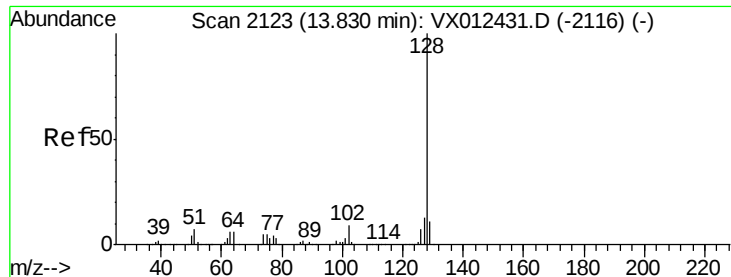
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#89
n-Butylbenzene
Concen: 8.323 ug/l m
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	51528		
92	69.8	27.7	83.0	
134	0.0	12.9	38.6#	





#95
Naphthalene
Concen: 167.115 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.3	8.8	13.2

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