

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011015.D
 Acq On : 19 Jul 2019 20:08
 Operator : JC/SP
 Sample : K3884-09DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0625DL

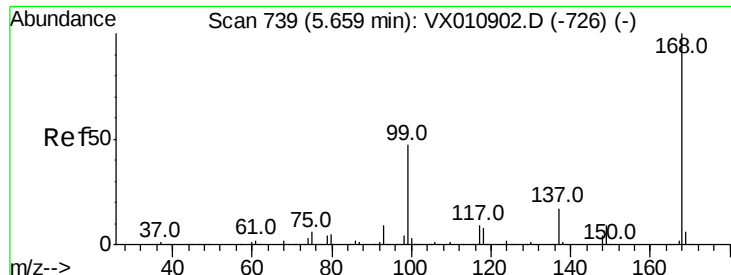
Manual Integrations
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Quant Time: Jul 20 04:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	123365	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
35) Dibromofluoromethane	5.50	113	108731	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	433128	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	157691	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	33293	10.162	ug/l	95
39) Methylcyclohexane	7.46	83	47992	12.533	ug/l	98
67) Ethyl Benzene	10.25	91	436135	37.983	ug/l	99
68) m/p-Xylenes	10.36	106	223749	50.800	ug/l	98
69) o-Xylene	10.69	106	191357	44.516	ug/l	98
73) Isopropylbenzene	11.02	105	64960	5.792	ug/l	99
78) n-propylbenzene	11.36	91	94386	7.616	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	180464	19.256	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	550917	58.322	ug/l	100
85) sec-Butylbenzene	11.94	105	14946m	1.386	ug/l	
86) p-Isopropyltoluene	12.06	119	17331	1.738	ug/l	97
89) n-Butylbenzene	12.38	91	18497	2.168	ug/l #	11
95) Naphthalene	13.83	128	88864	8.345	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

FL-0625DL

Tot Ion:168 Resp: 226805

Ion Ratio Lower Upper

168 100

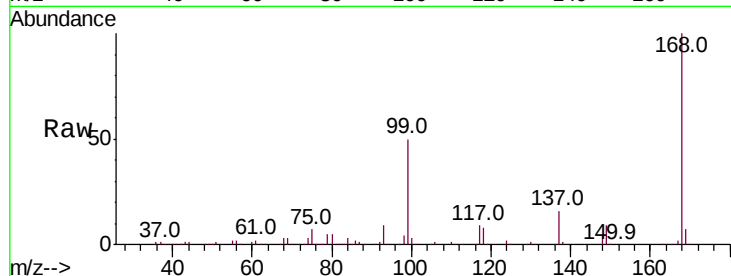
99 50.0 37.6 56.4

Manual Integrations

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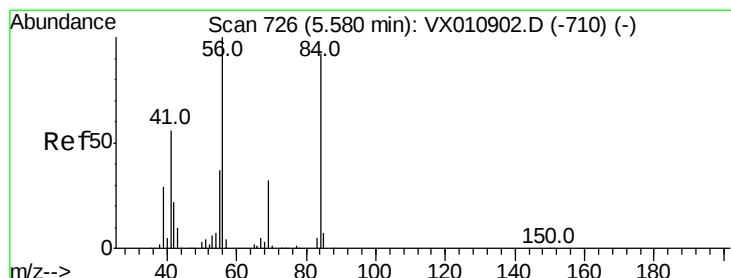
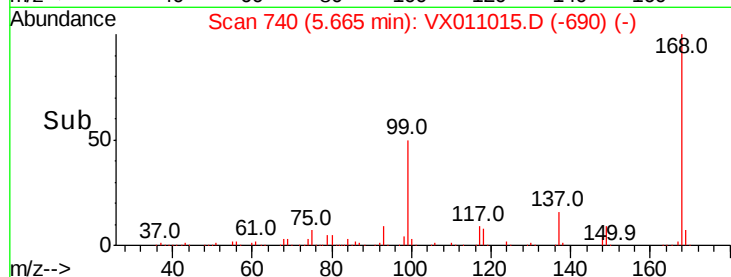
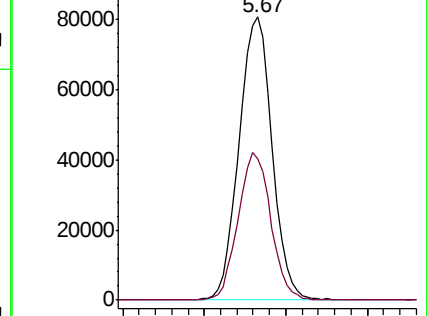
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 10.162 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

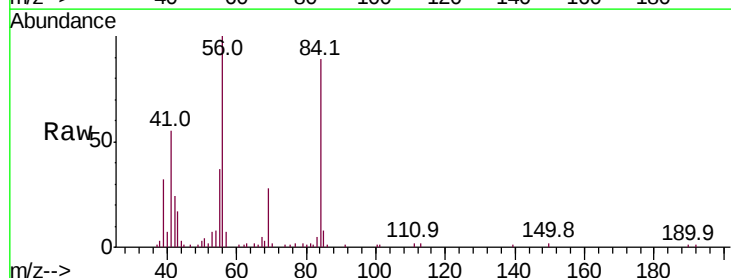
Tgt Ion: 56 Resp: 33293

Ion Ratio Lower Upper

56 100

69 27.4 25.8 38.8

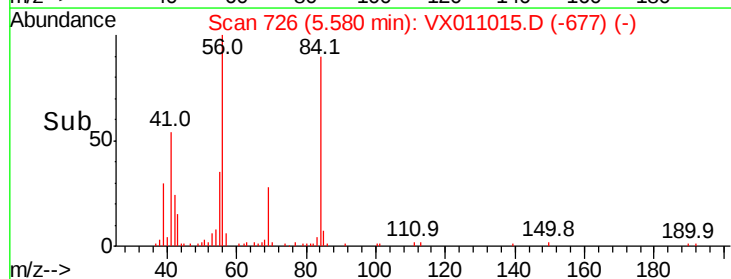
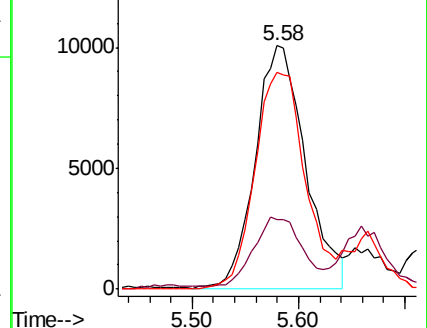
84 89.0 73.8 110.6

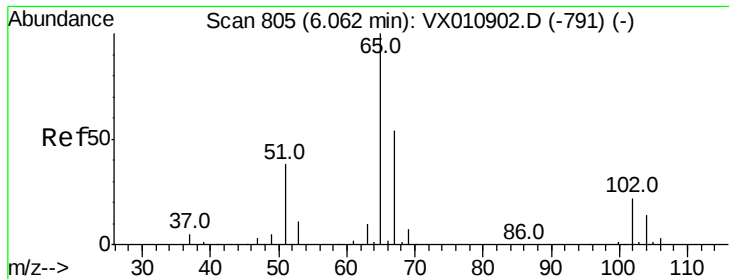


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





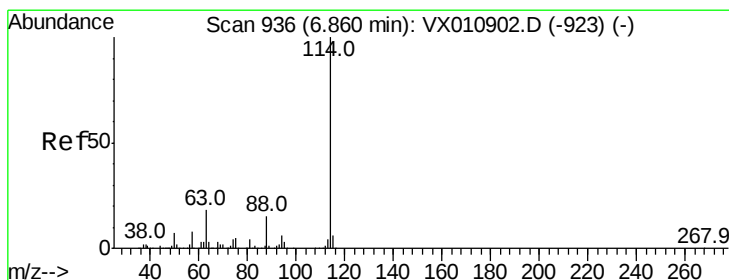
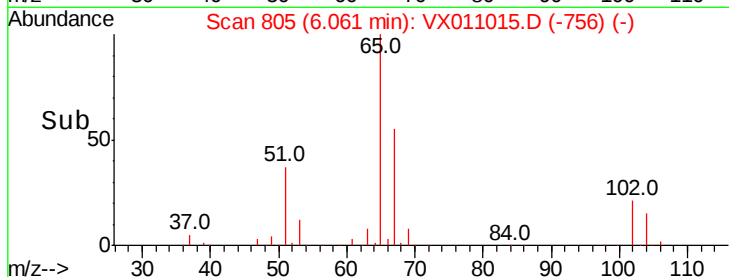
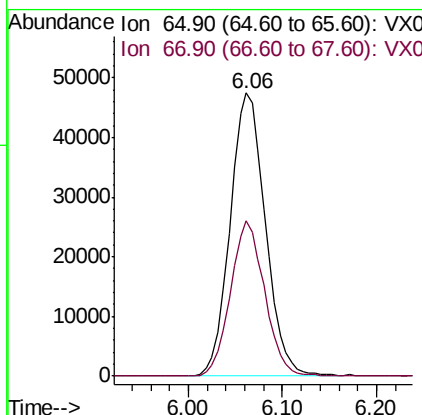
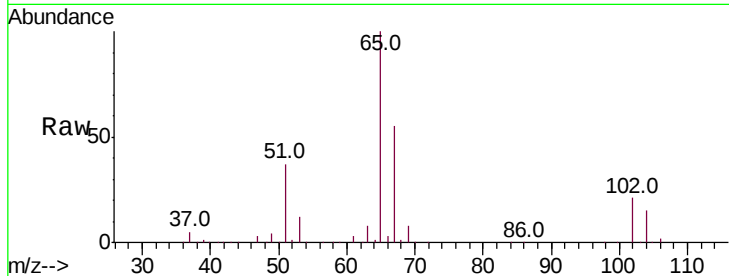
#33
 1,2-Dichloroethane-d4
 Concen: 51.128 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011015.D
 Acq: 19 Jul 2019 20:08

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0625DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123365		
67	53.3	0.0	107.8	

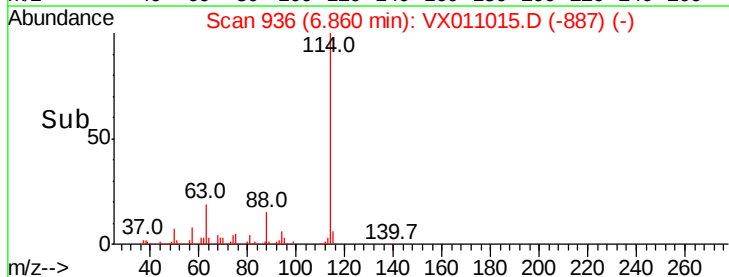
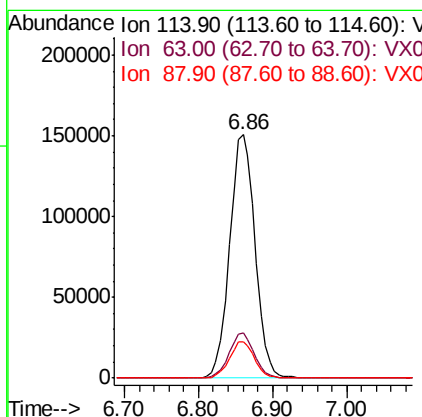
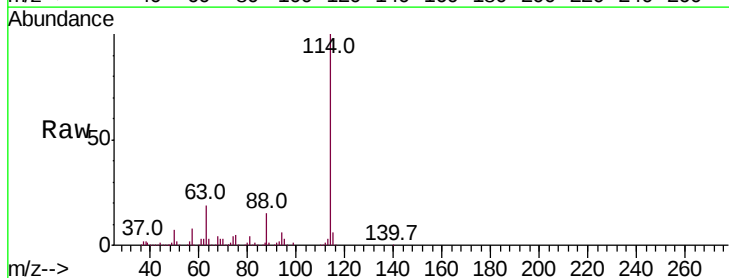
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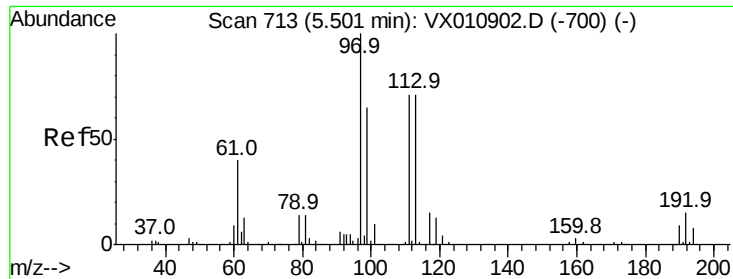
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011015.D
 Acq: 19 Jul 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	359473		
63	18.8	0.0	35.6	
88	14.8	0.0	29.8	





#35

Dibromofluoromethane

Concen: 47.655 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Instrument :

MSVOA_X

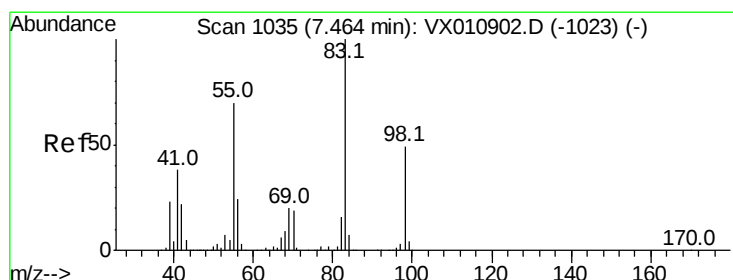
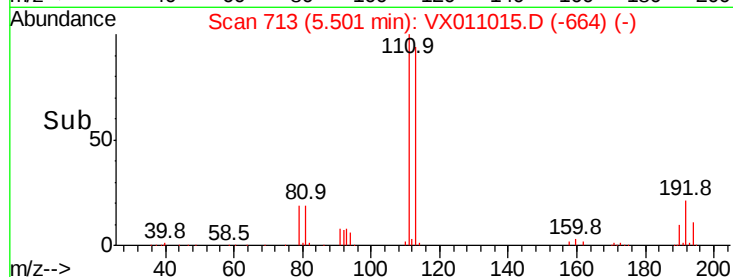
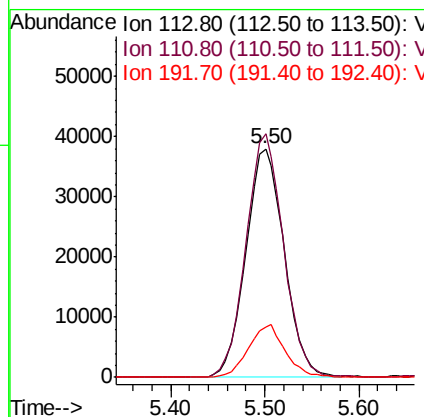
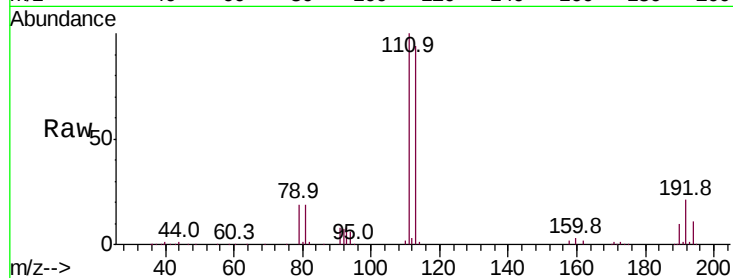
ClientSampled :

FL-0625DL

Tot Ion:	113	Resp:	108731
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.3	123.5
192	22.0	17.4	26.2

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#39

Methylcyclohexane

Concen: 12.533 ug/l

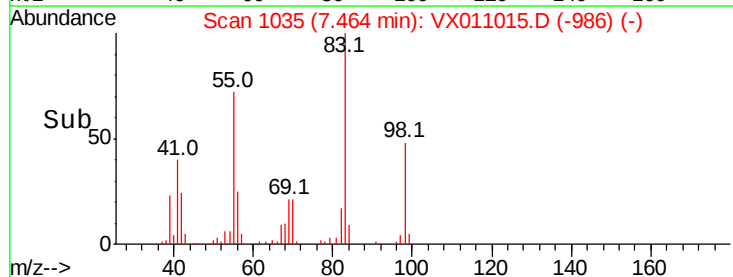
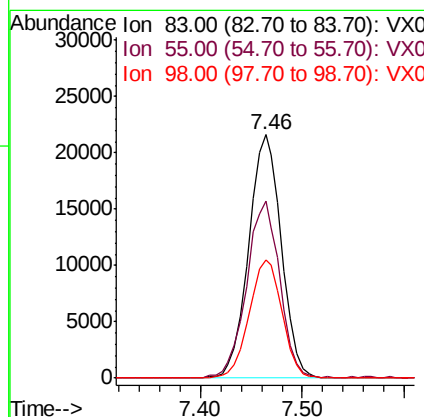
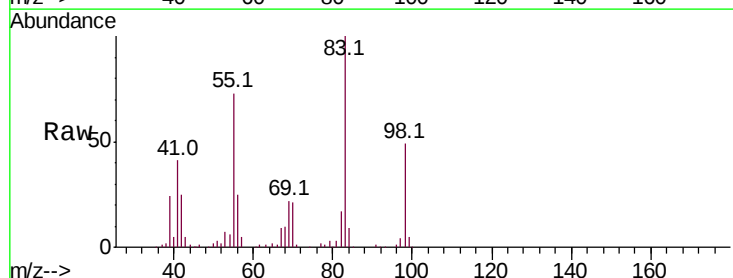
RT: 7.46 min Scan# 1035

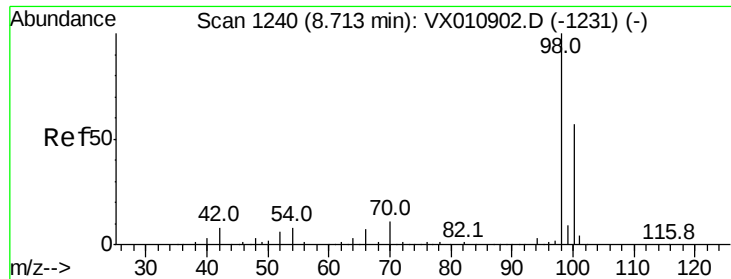
Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Tgt Ion:	83	Resp:	47992
Ion Ratio	Lower	Upper	
83	100		
55	72.7	56.2	84.4
98	48.7	39.0	58.4





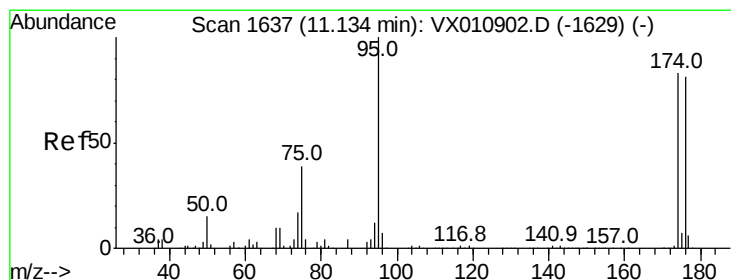
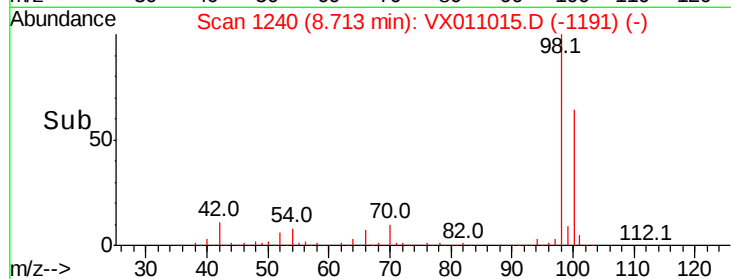
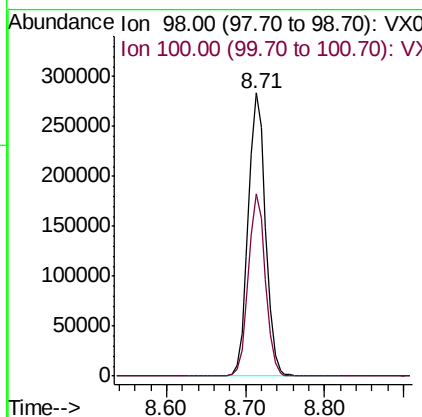
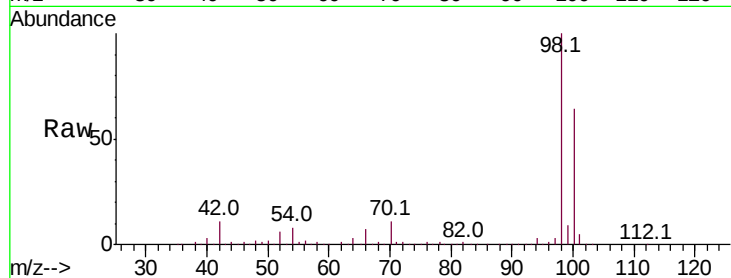
#50
Toluene-d8
Concen: 50.613 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
FL-0625DL

Tot Ion: 98 Resp: 433128
Ion Ratio Lower Upper
98 100
100 63.2 50.6 75.8

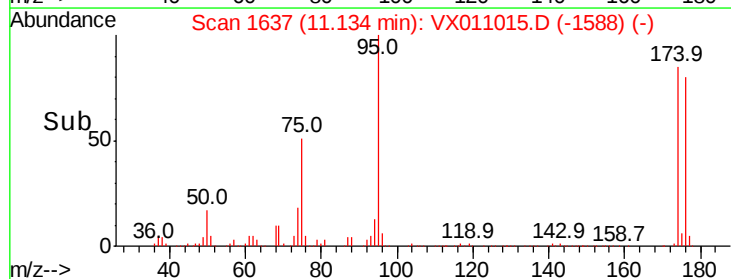
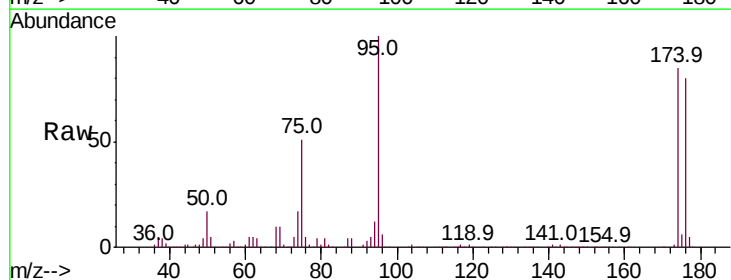
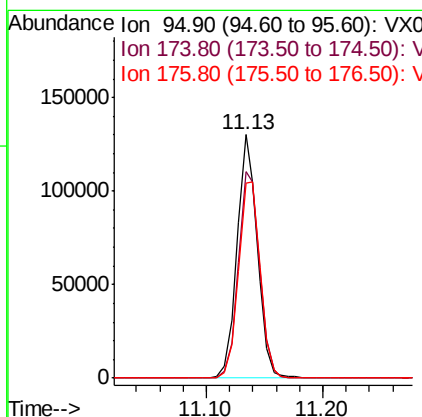
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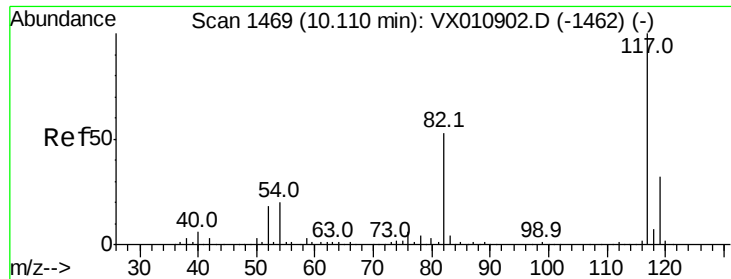
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#62
4-Bromofluorobenzene
Concen: 50.132 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Tgt Ion: 95 Resp: 157691
Ion Ratio Lower Upper
95 100
174 89.0 0.0 180.6
176 87.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

FL-0625DL

Tot Ion:117 Resp: 328439

Ion Ratio Lower Upper

117 100

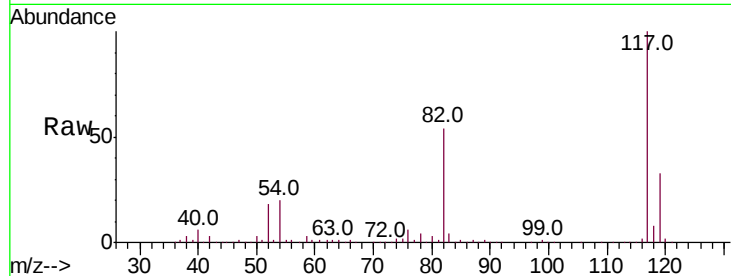
82 53.9 42.6 63.8

119 33.3 25.9 38.9

Manual Integrations
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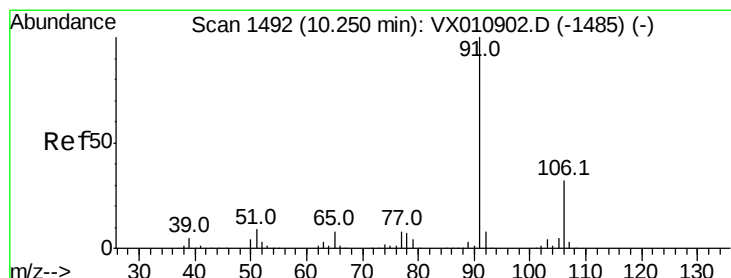
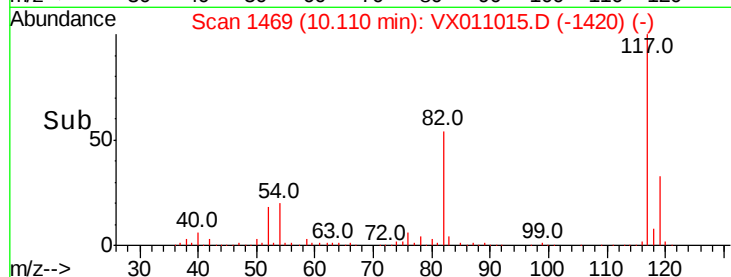
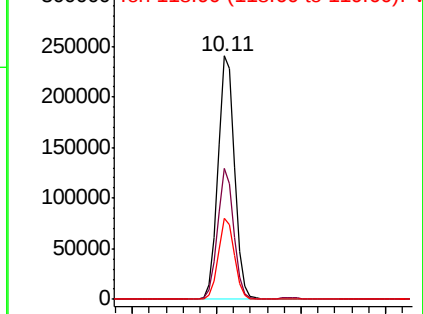
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 37.983 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011015.D

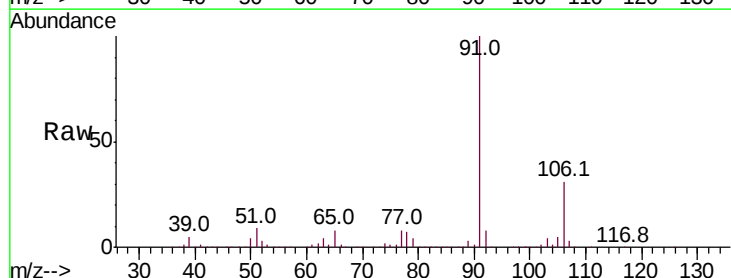
Acq: 19 Jul 2019 20:08

Tgt Ion: 91 Resp: 436135

Ion Ratio Lower Upper

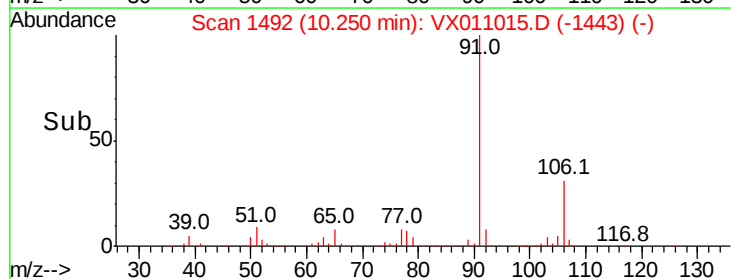
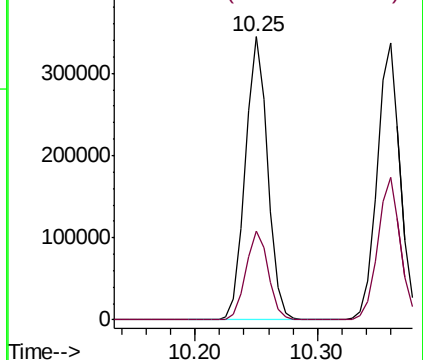
91 100

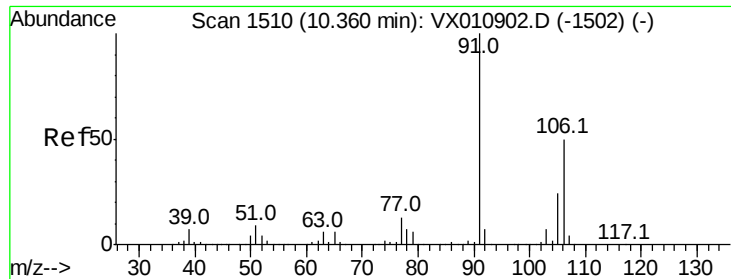
106 31.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





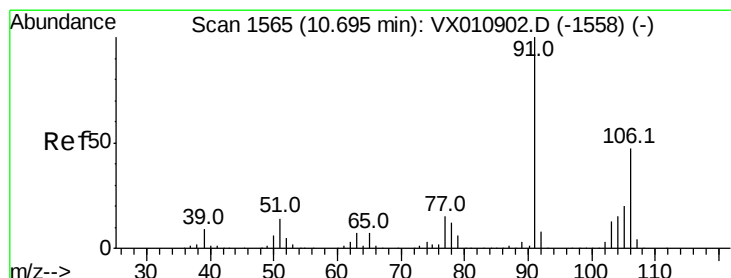
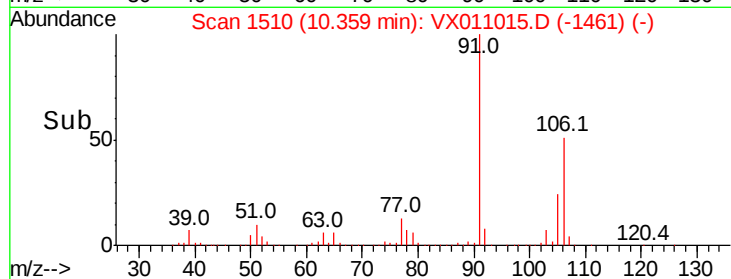
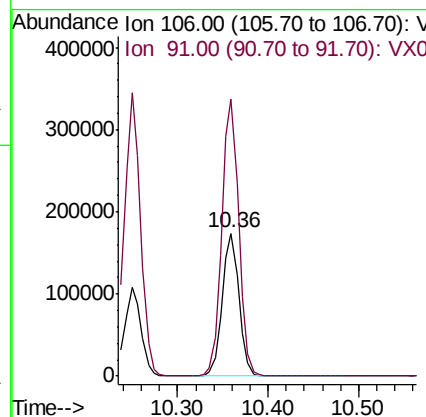
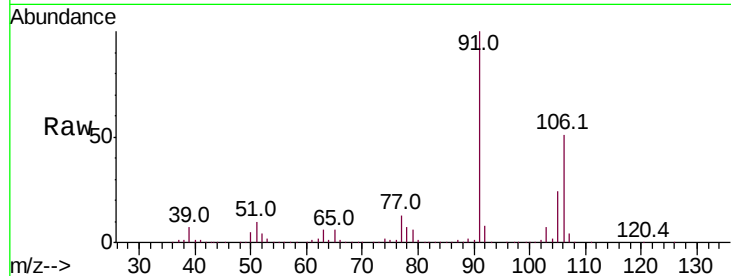
#68
m/p-Xylenes
Concen: 50.800 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Instrument :
MSVOA_X
ClientSampled :
FL-0625DL

Tot Ion:106 Resp: 223749
Ion Ratio Lower Upper
106 100
91 196.9 160.1 240.1

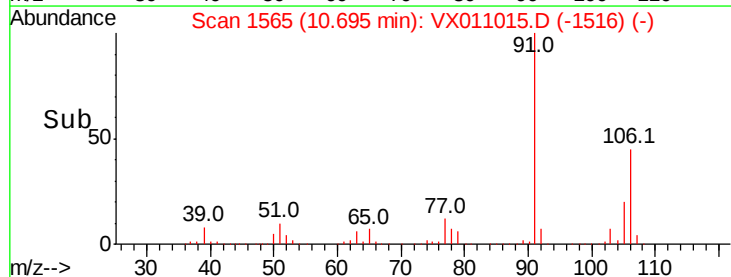
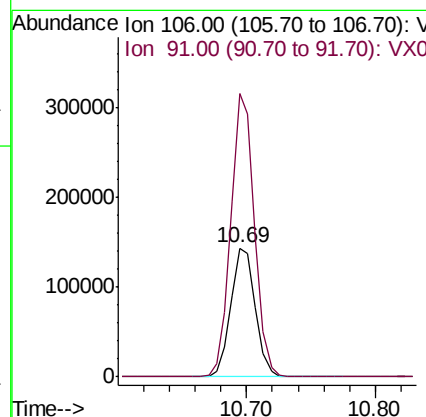
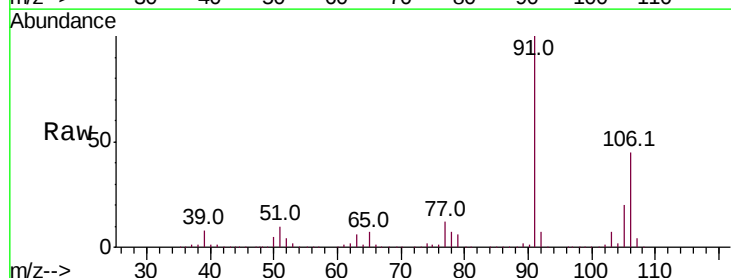
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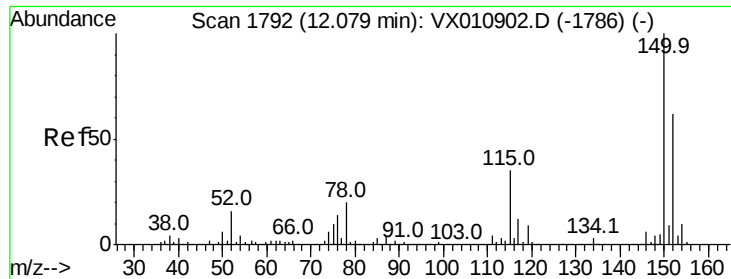
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#69
o-Xylene
Concen: 44.516 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Tgt Ion:106 Resp: 191357
Ion Ratio Lower Upper
106 100
91 213.3 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Instrument :

MSVOA_X

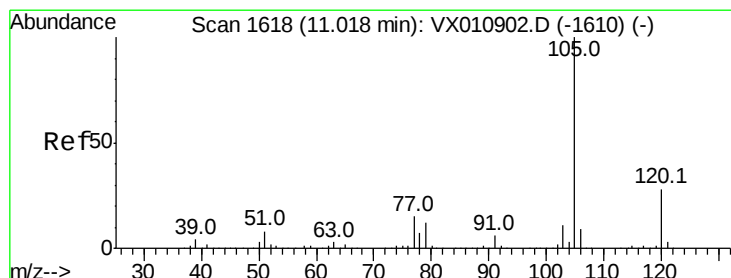
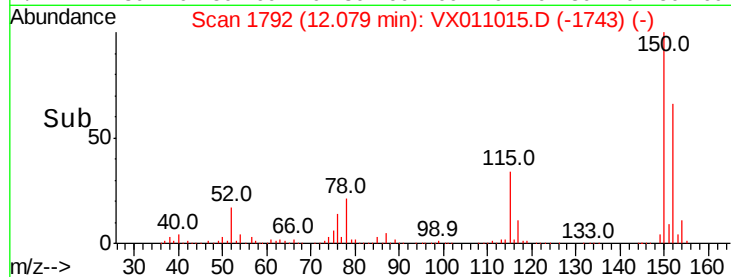
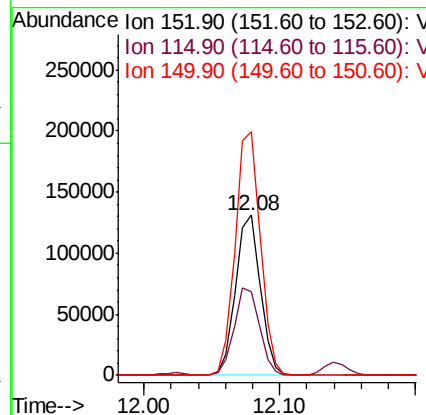
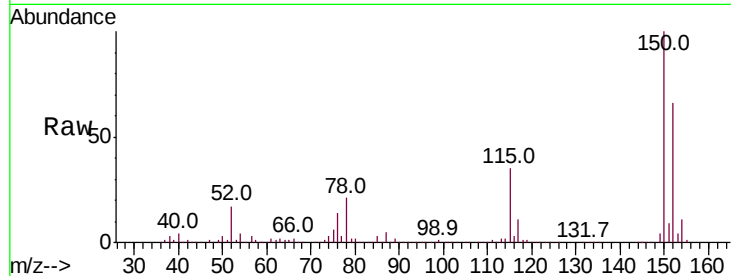
ClientSampled :

FL-0625DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.7	119.1
150	154.9	0.0	345.6

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#73

Isopropylbenzene

Concen: 5.792 ug/l

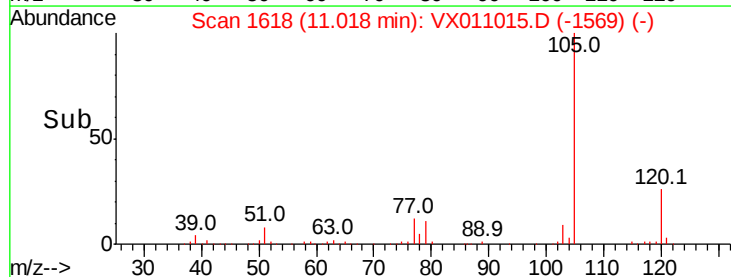
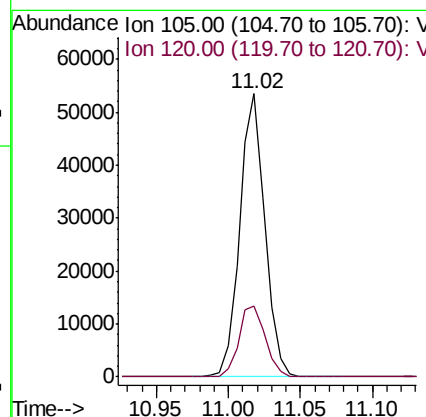
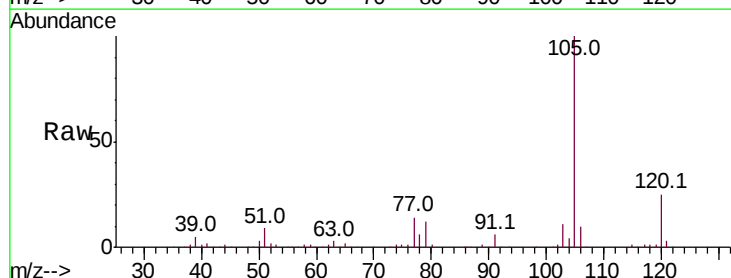
RT: 11.02 min Scan# 1618

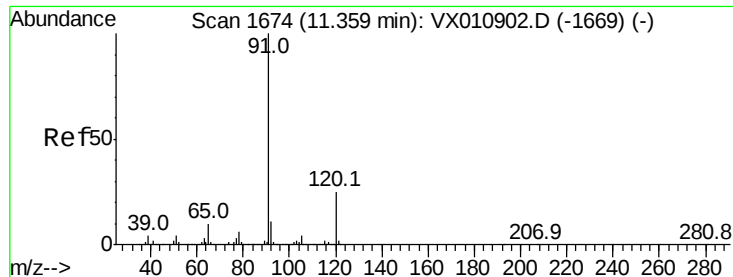
Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.7	41.1





#78

n-propylbenzene

Concen: 7.616 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011015.D

Acq: 19 Jul 2019 20:08

Instrument :

MSVOA_X

ClientSampled :

FL-0625DL

Tot Ion: 91 Resp: 94386

Ion Ratio Lower Upper

91 100

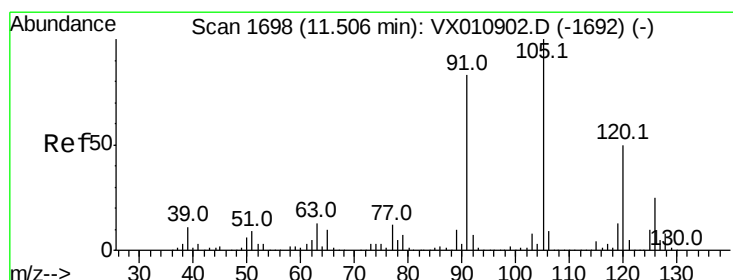
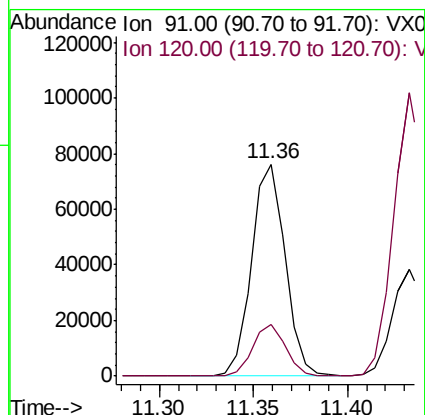
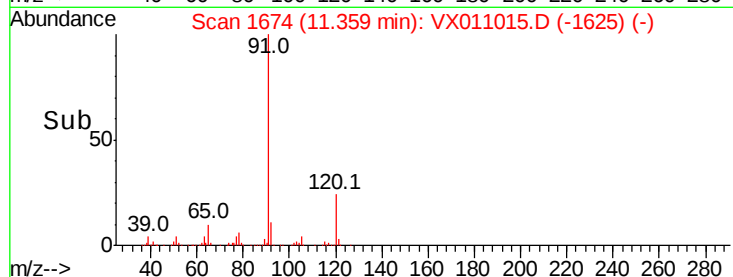
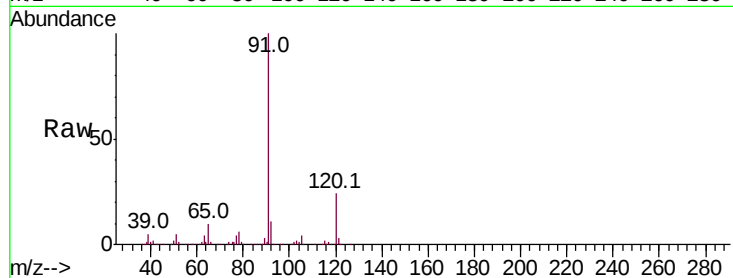
120 23.8 12.3 36.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.256 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011015.D

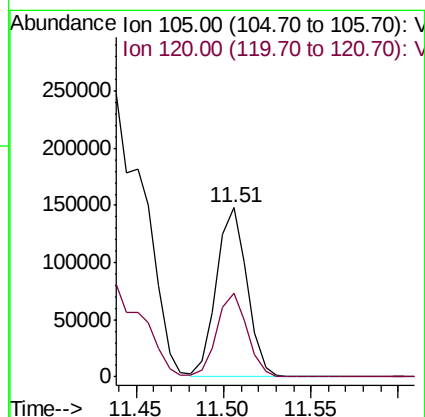
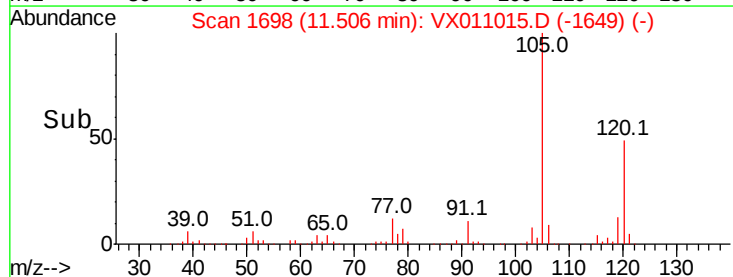
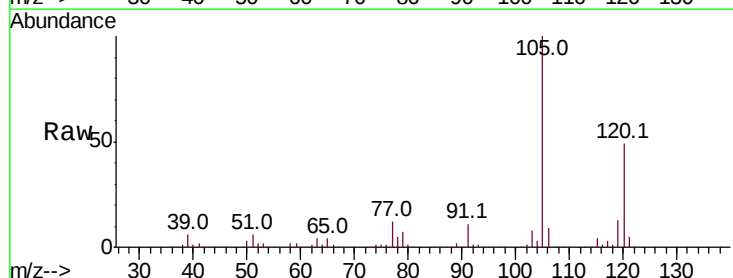
Acq: 19 Jul 2019 20:08

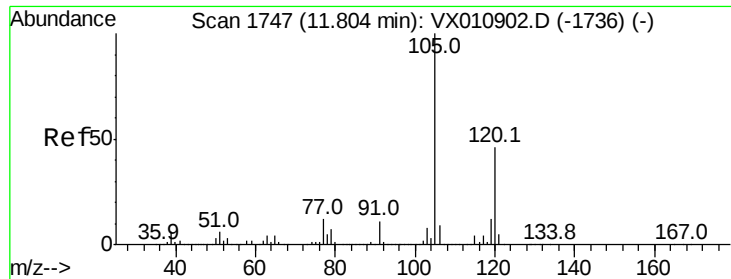
Tgt Ion: 105 Resp: 180464

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.8





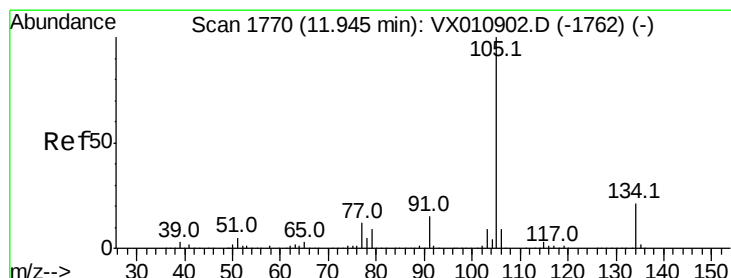
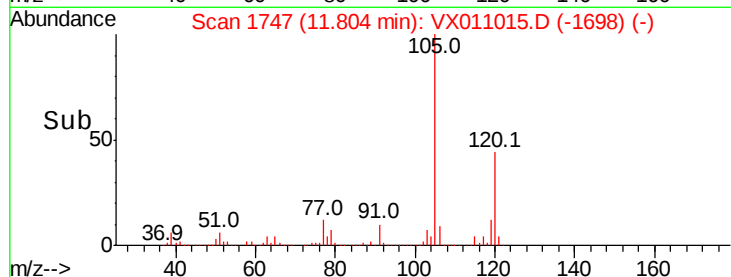
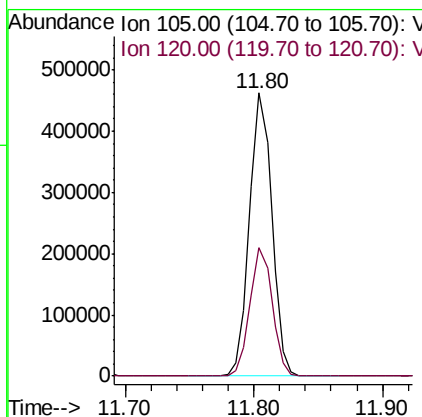
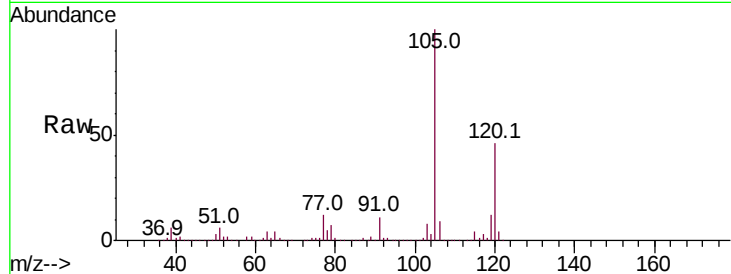
#84
 1,2,4-Trimethylbenzene
 Concen: 58.322 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011015.D
 Acq: 19 Jul 2019 20:08

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0625DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.5

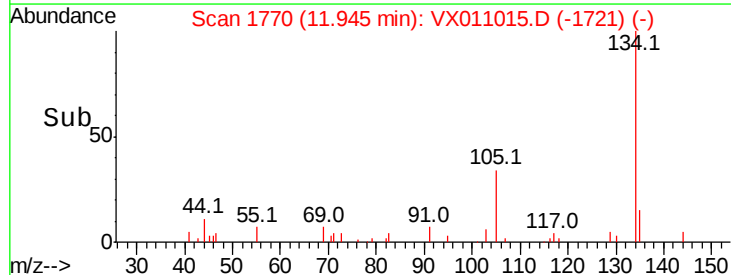
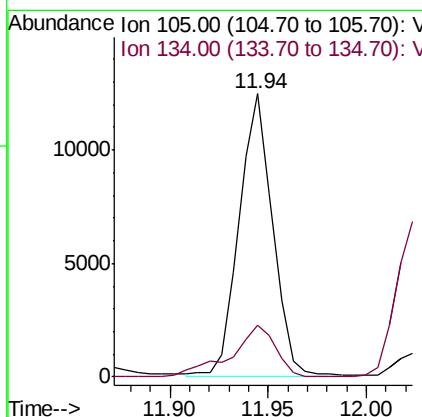
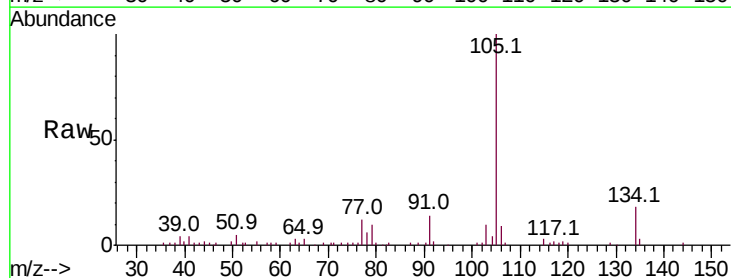
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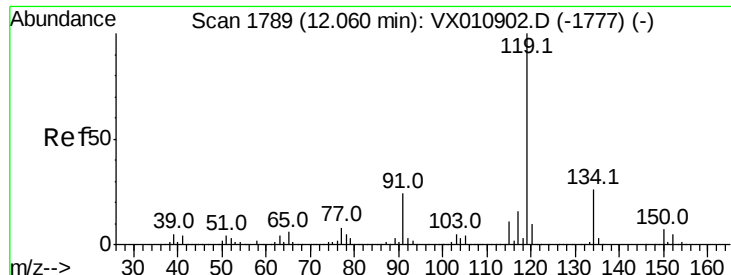
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#85
 sec-Butylbenzene
 Concen: 1.386 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011015.D
 Acq: 19 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.4#





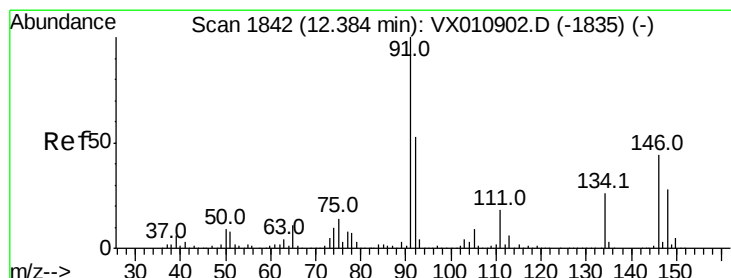
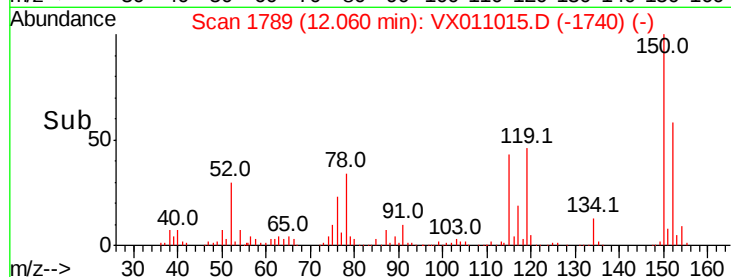
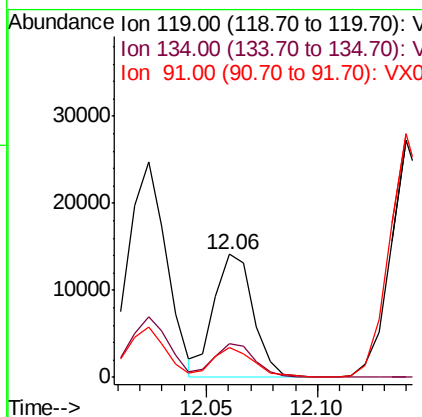
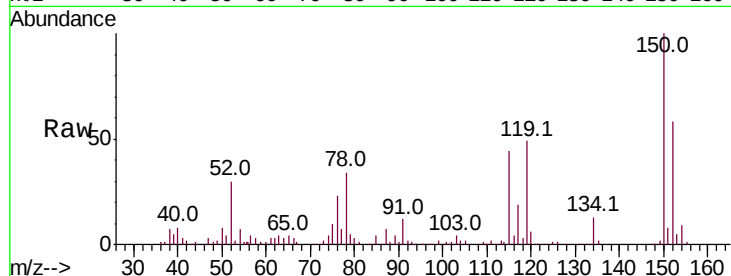
#86
p-Isopropyltoluene
Concen: 1.738 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Instrument :
MSVOA_X
ClientSampled :
FL-0625DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	17331		
134	28.6		13.4	40.1
91	24.4		11.8	35.4

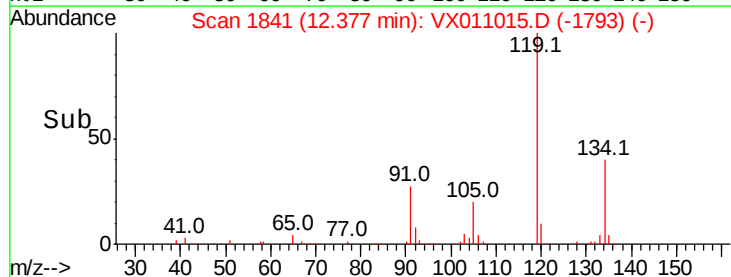
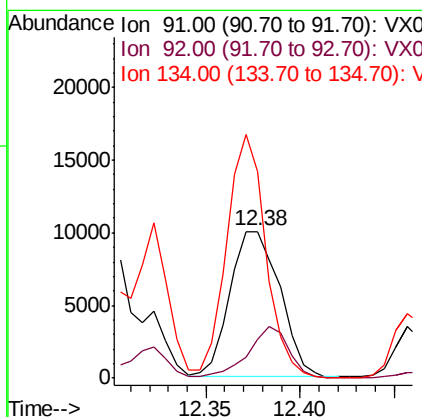
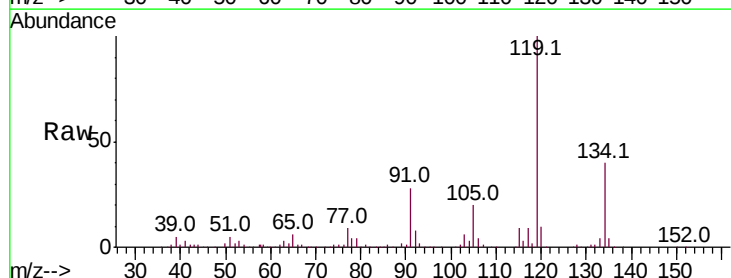
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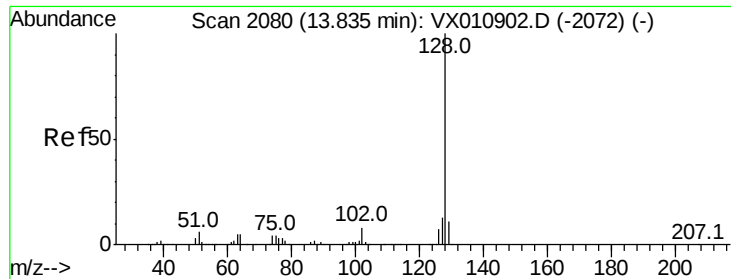
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#89
n-Butylbenzene
Concen: 2.168 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	18497		
92	29.1		26.2	78.5
134	129.7		13.8	41.3#





#95
Naphthalene
Concen: 8.345 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011015.D
Acq: 19 Jul 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
FL-0625DL

Tot Ion:	128	Resp:	88864
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.4	8.9	13.3

Manual Integrations
APPROVED

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