

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011013.D
 Acq On : 19 Jul 2019 19:21
 Operator : JC/SP
 Sample : K3884-05DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0607DL

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:24:00 PM

Quant Time: Jul 20 04:43:53 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	5.66	168	219681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119083	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
35) Dibromofluoromethane	5.50	113	104238	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
50) Toluene-d8	8.71	98	421318	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.13	95	159665	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	70584	22.244	ug/l	95
39) Methylcyclohexane	7.46	83	55143	14.979	ug/l	94
52) Toluene	8.79	92	19398	3.396	ug/l	98
67) Ethyl Benzene	10.25	91	136226	11.811	ug/l	98
68) m/p-Xylenes	10.35	106	265967	60.114	ug/l	99
69) o-Xylene	10.69	106	62794	14.543	ug/l	99
73) Isopropylbenzene	11.02	105	42282	3.725	ug/l	96
78) n-propylbenzene	11.36	91	68127	5.431	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	236561	24.938	ug/l	98
83) tert-Butylbenzene	11.77	119	4696	0.504	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	558357	58.400	ug/l	100
85) sec-Butylbenzene	11.94	105	5681m	0.520	ug/l	
86) p-Isopropyltoluene	12.06	119	8274	0.820	ug/l	92
89) n-Butylbenzene	12.37	91	15120	1.751	ug/l #	17
95) Naphthalene	13.83	128	90993	8.442	ug/l	99

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

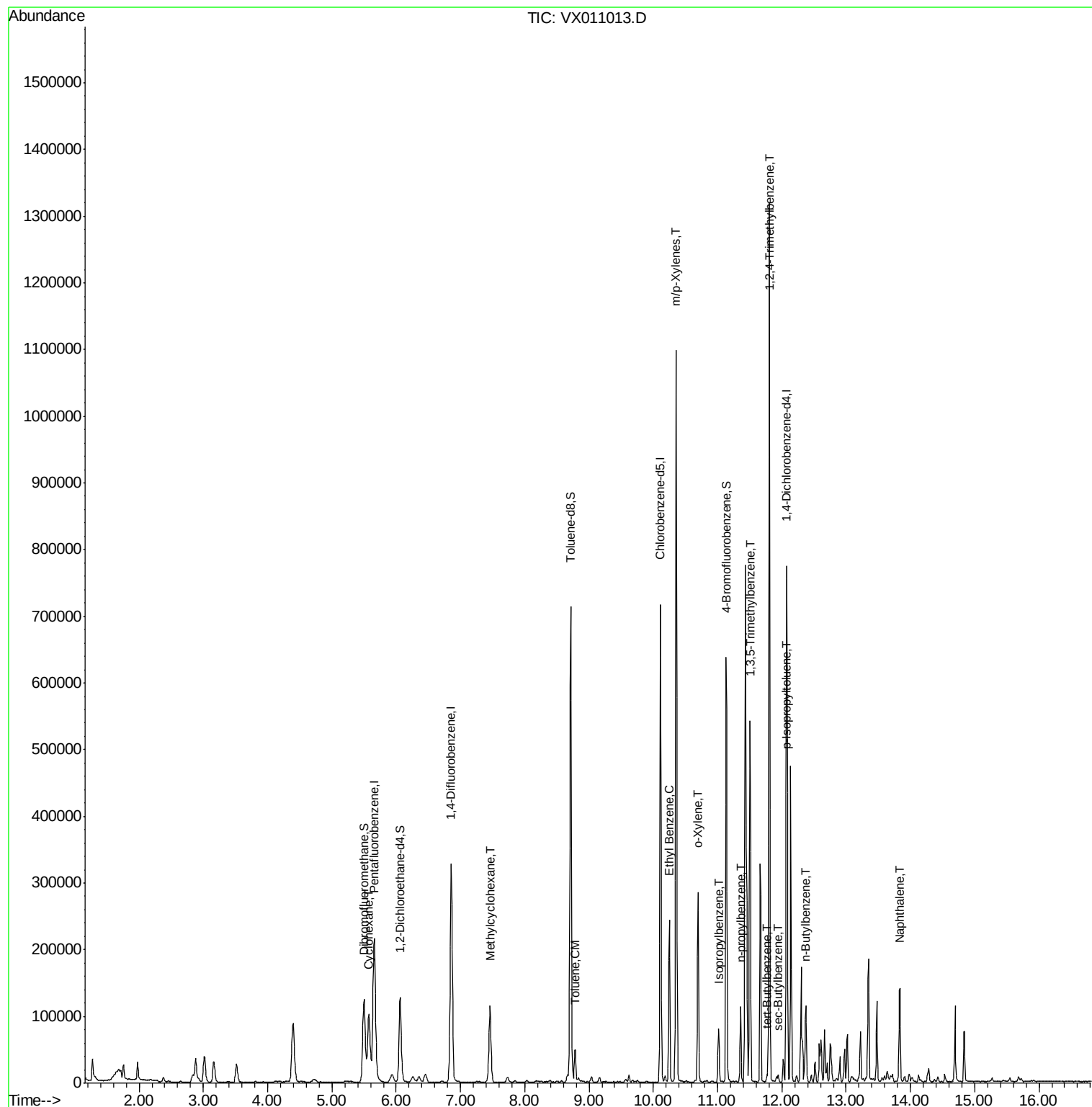
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011013.D
Acq On : 19 Jul 2019 19:21
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
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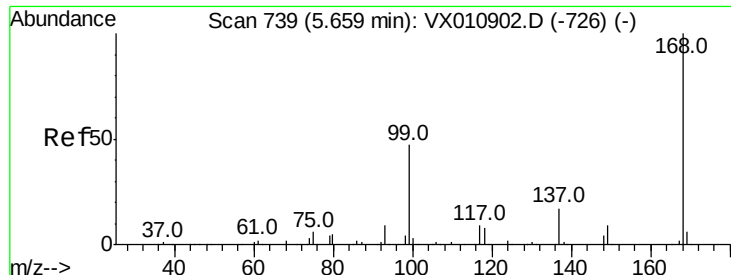
Instrument :
MSVOA_X
ClientSampleId :
FL-0607DL

Manual Integrations
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7/22/2019 5:24:00 PM

Quant Time: Jul 20 04:43:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

FL-0607DL

Tot Ion:168 Resp: 219681

Ion Ratio Lower Upper

168 100

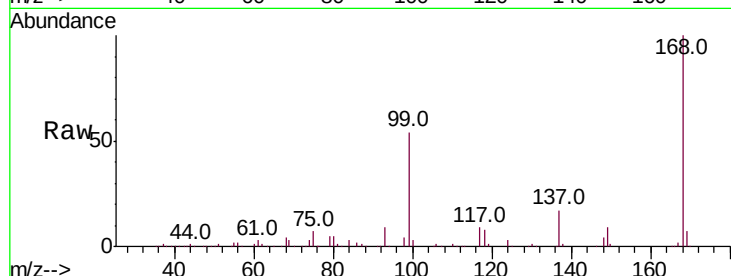
99 53.9 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

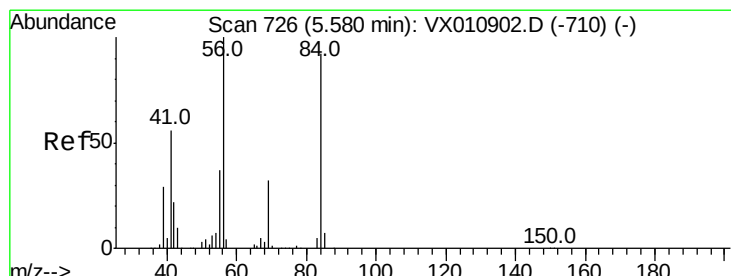
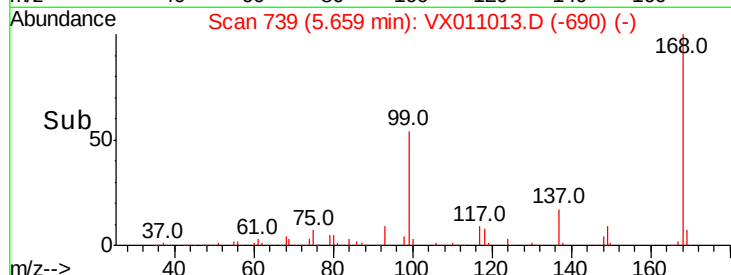
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 22.244 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

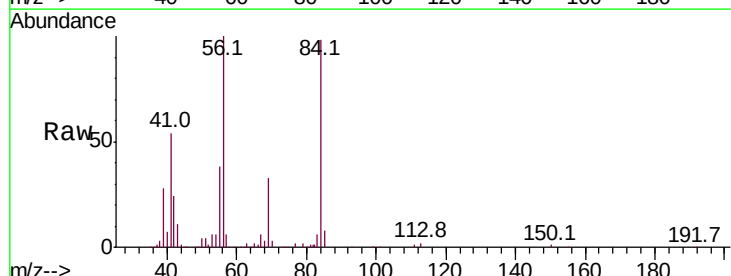
Tgt Ion: 56 Resp: 70584

Ion Ratio Lower Upper

56 100

69 32.8 25.8 38.8

84 98.0 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

5.57

30000

25000

20000

15000

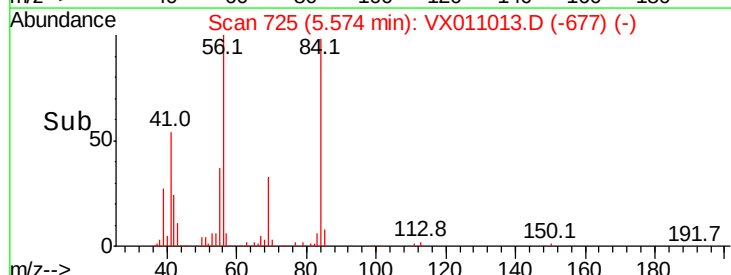
10000

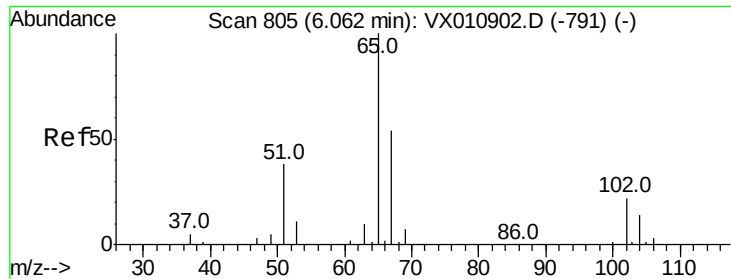
5000

0

Time-->

5.50 5.60





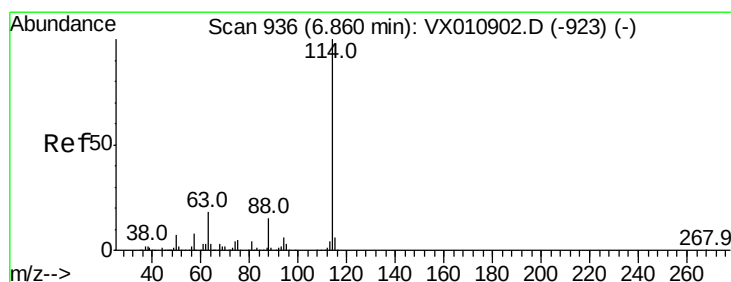
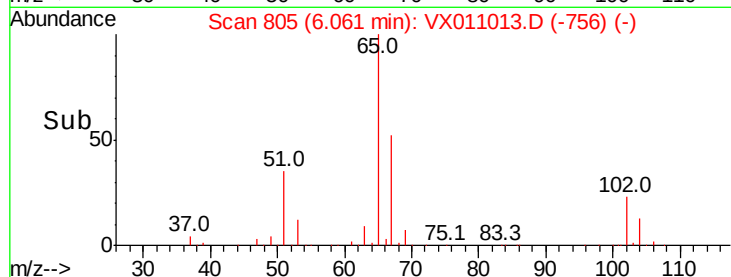
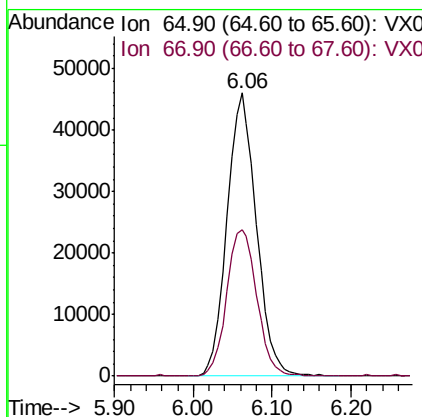
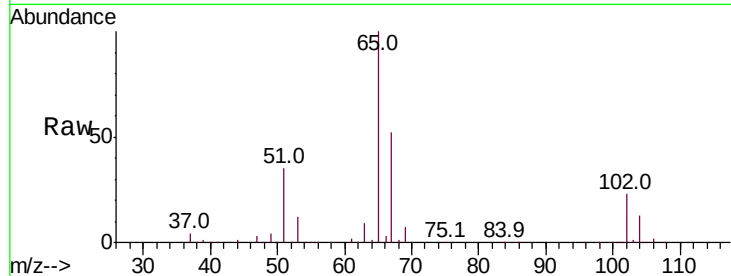
#33
 1,2-Dichloroethane-d4
 Concen: 50.954 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0607DL

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

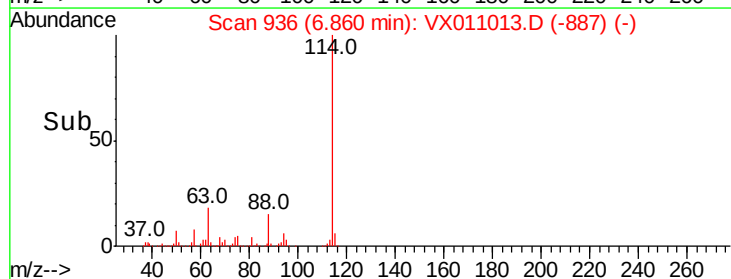
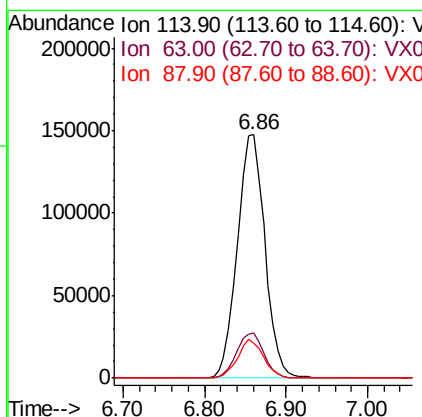
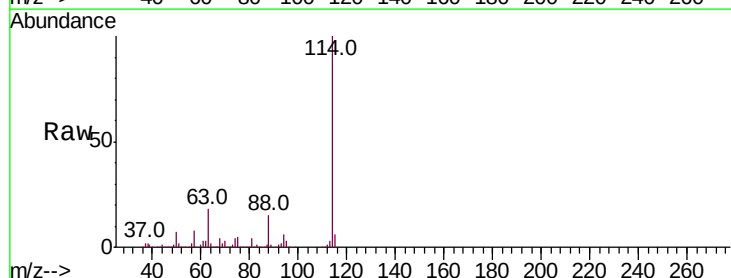
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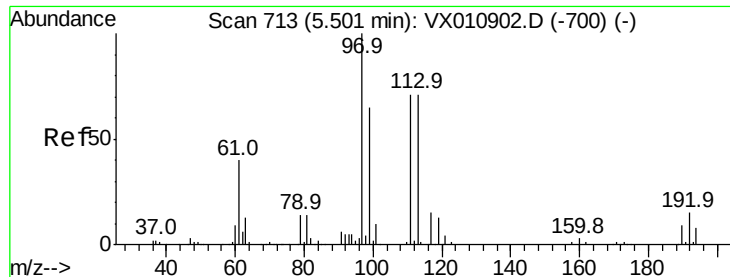
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	35.6
88	14.6	0.0	29.8





#35

Dibromofluoromethane

Concen: 47.519 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

Instrument :

MSVOA_X

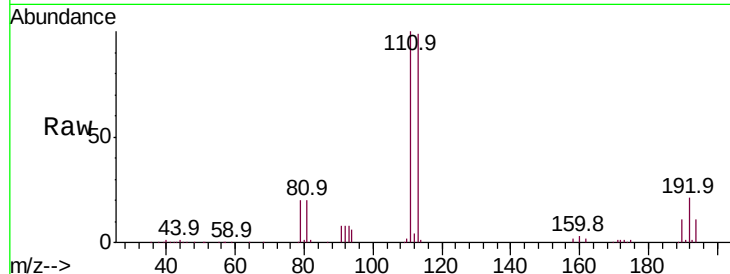
ClientSampleId :

FL-0607DL

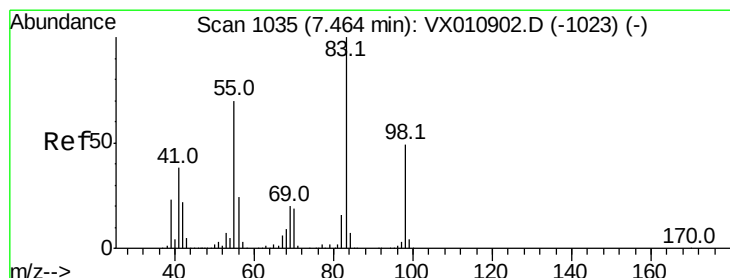
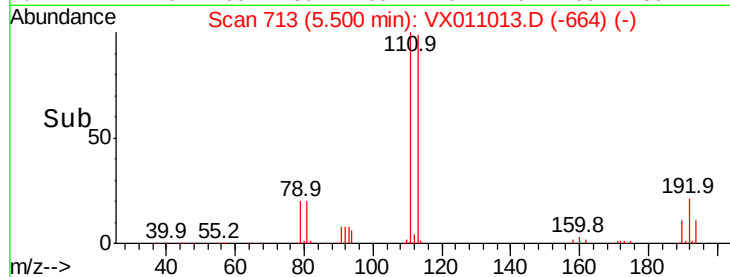
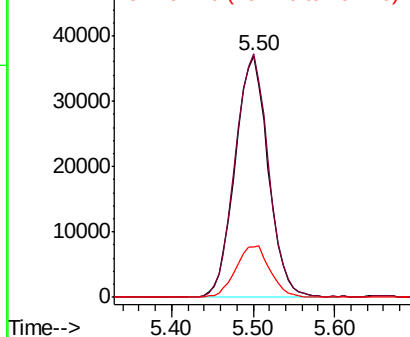
Tot Ion:	113	Resp:	104238
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.3	123.5
192	22.0	17.4	26.2

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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

Methylcyclohexane

Concen: 14.979 ug/l

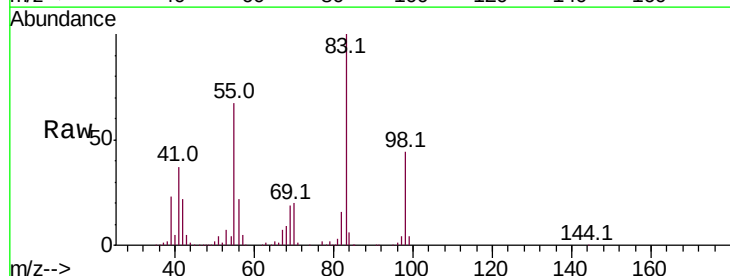
RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

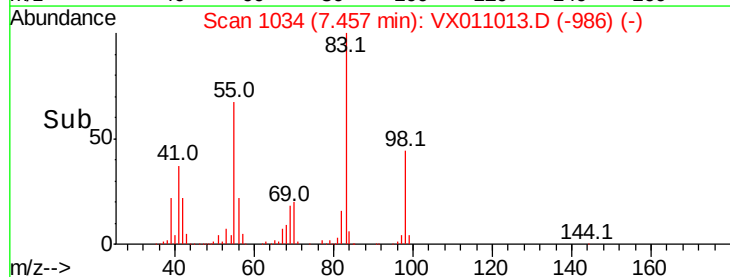
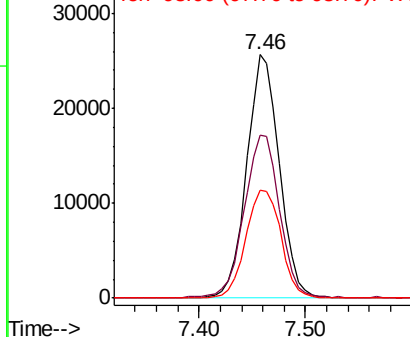
Lab File: VX011013.D

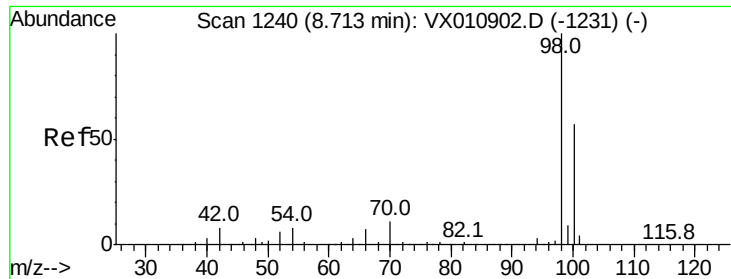
Acq: 19 Jul 2019 19:21

Tgt Ion:	83	Resp:	55143
Ion Ratio	Lower	Upper	
83	100		
55	66.3	56.2	84.4
98	44.3	39.0	58.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 51.209 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

FL-0607DL

Tot Ion: 98 Resp: 421318

Ion Ratio Lower Upper

98 100

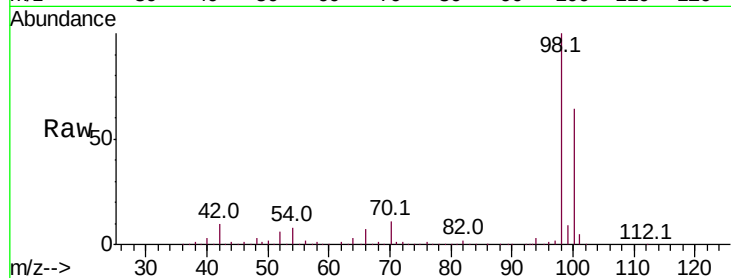
100 63.3 50.6 75.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

300000

250000

200000

150000

100000

50000

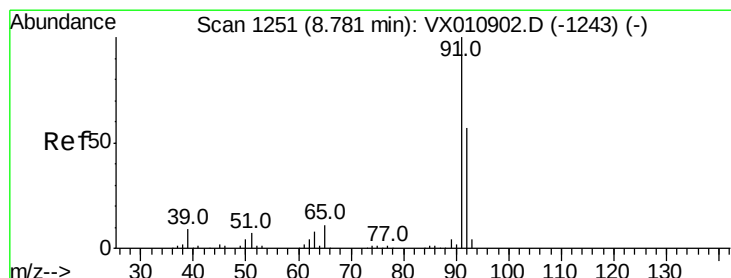
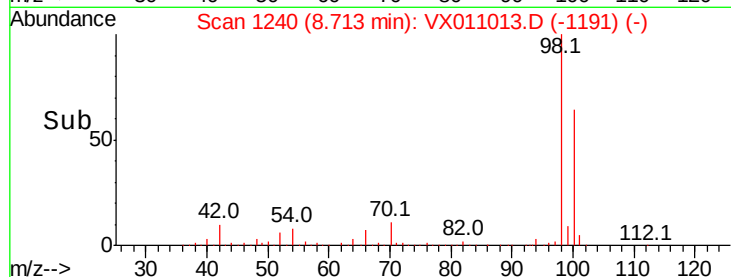
0

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 3.396 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011013.D

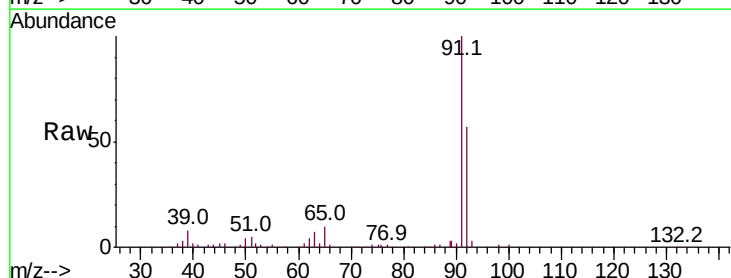
Acq: 19 Jul 2019 19:21

Tgt Ion: 92 Resp: 19398

Ion Ratio Lower Upper

92 100

91 171.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

25000

20000

15000

10000

5000

0

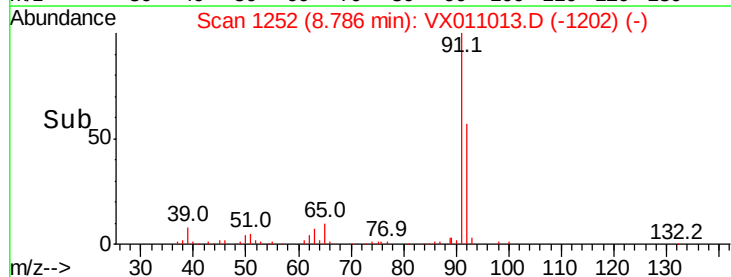
8.70

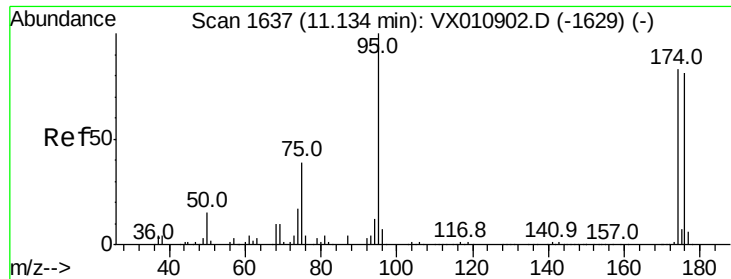
8.75

8.80

8.85

Time-->





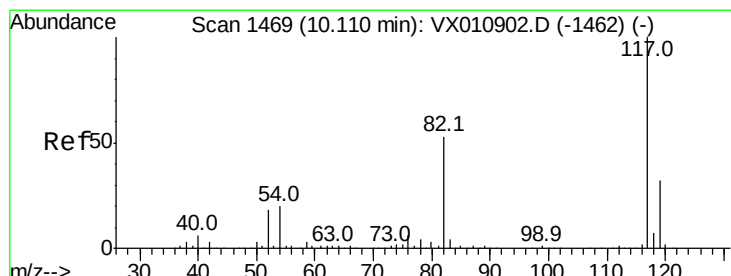
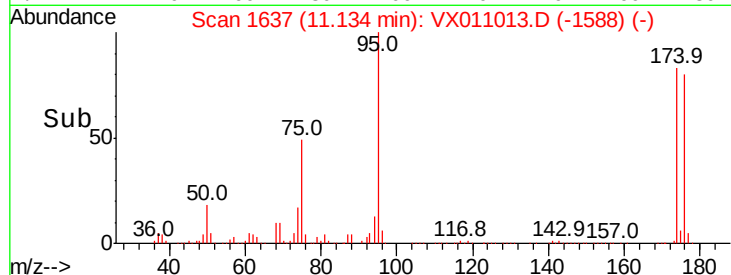
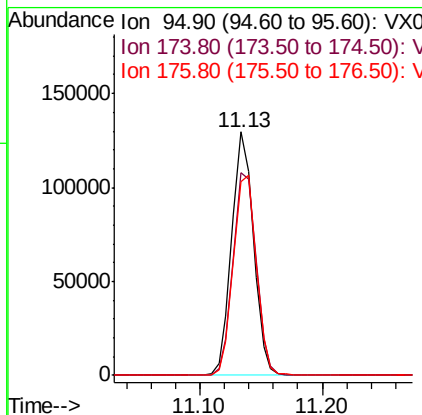
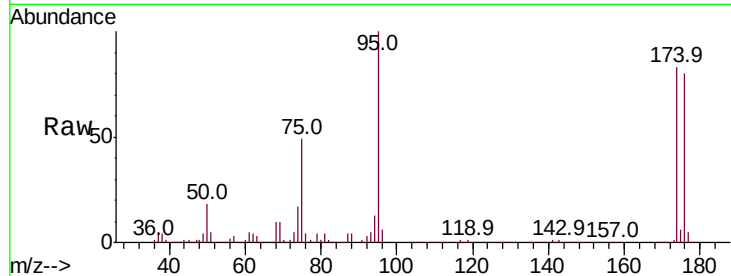
#62
4-Bromofluorobenzene
Concen: 52.797 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Instrument :
MSVOA_X
ClientSampleId :
FL-0607DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	159665		
174	88.3	0.0	180.6	
176	86.5	0.0	173.8	

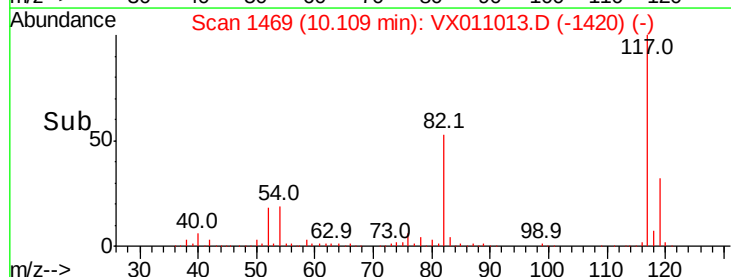
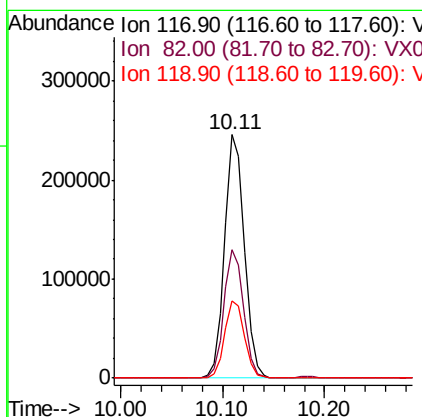
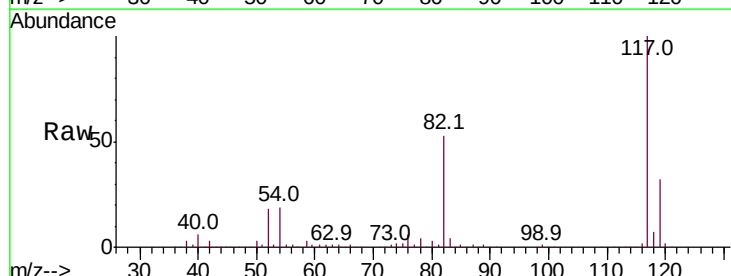
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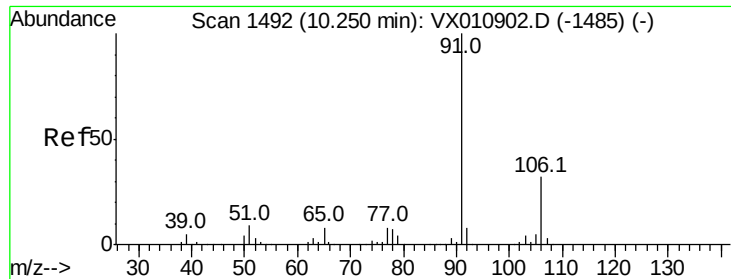
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7/22/2019 5:24:00 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	329919		
82	52.7	42.6	63.8	
119	31.6	25.9	38.9	





#67

Ethyl Benzene

Concen: 11.811 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

Instrument :

MSVOA_X

ClientSampled :

FL-0607DL

Tot Ion: 91 Resp: 136226

Ion Ratio Lower Upper

91 100

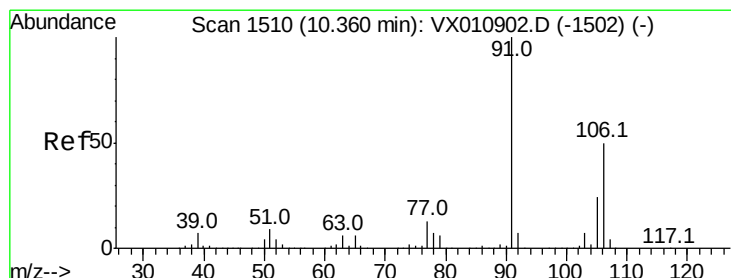
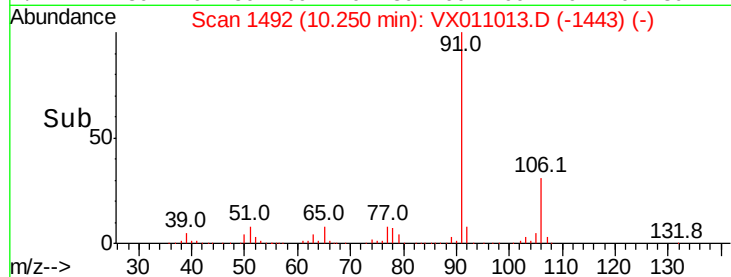
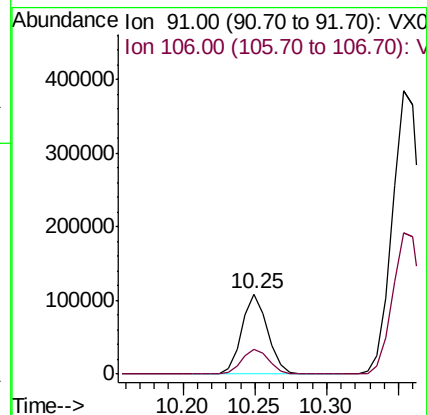
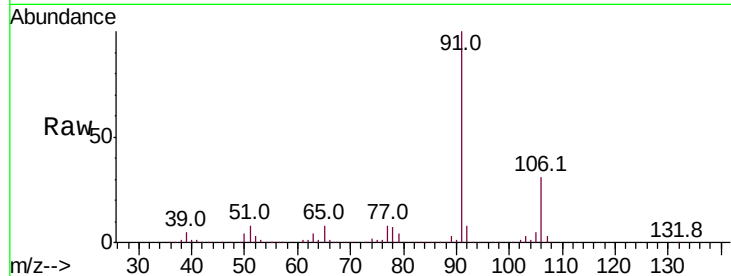
106 30.6 25.4 38.2

Manual Integrations

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7/22/2019 5:24:00 PM



#68

m/p-Xylenes

Concen: 60.114 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011013.D

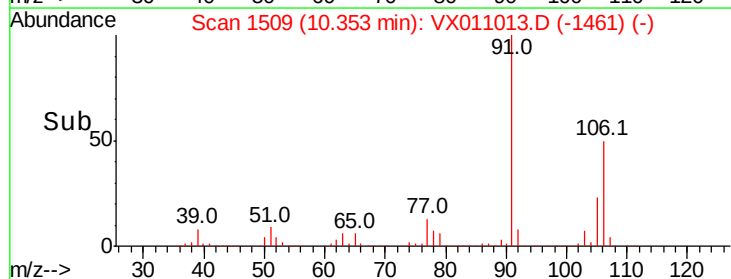
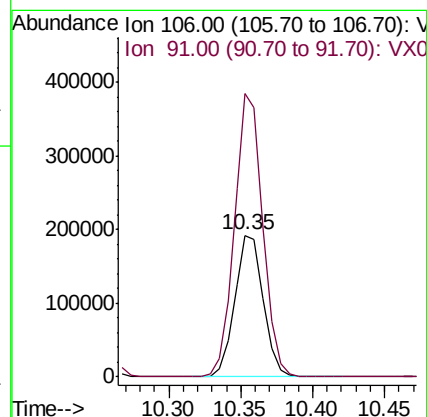
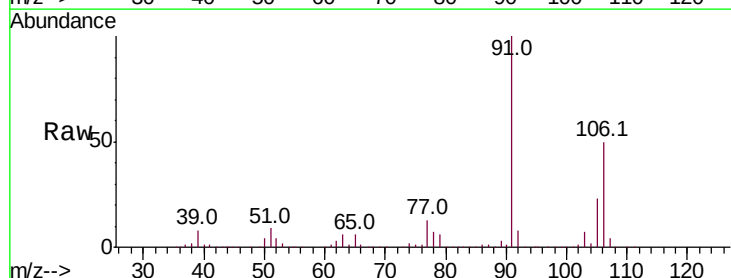
Acq: 19 Jul 2019 19:21

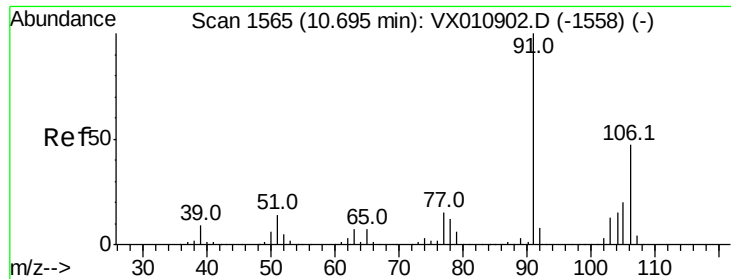
Tgt Ion: 106 Resp: 265967

Ion Ratio Lower Upper

106 100

91 198.7 160.1 240.1





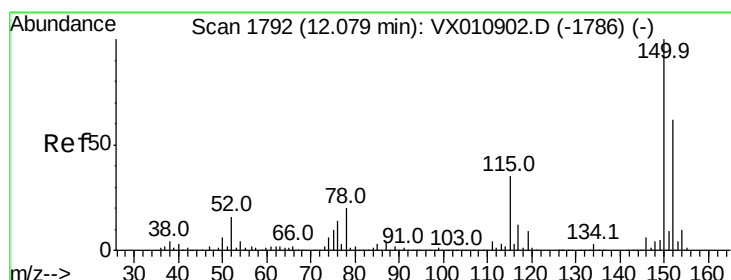
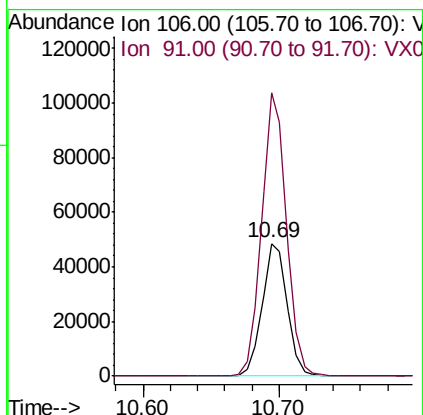
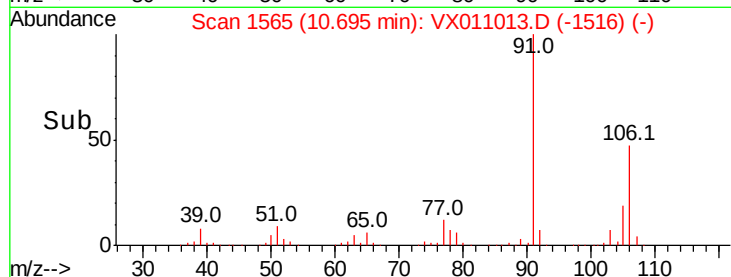
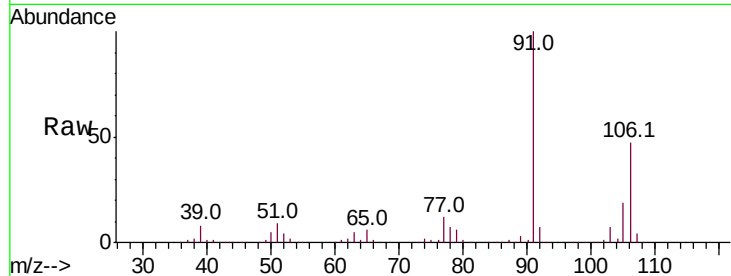
#69
o-Xylene
Concen: 14.543 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Instrument :
MSVOA_X
ClientSampled :
FL-0607DL

Tot Ion:106 Resp: 62794
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.3

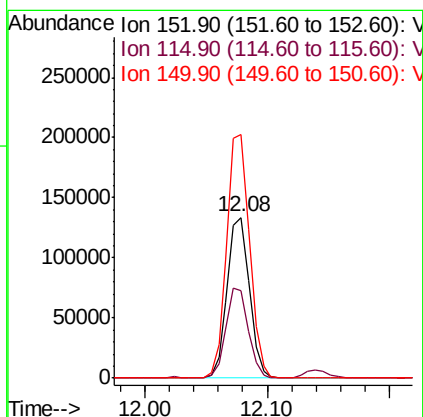
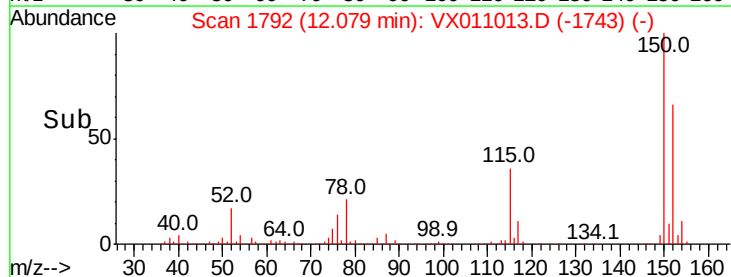
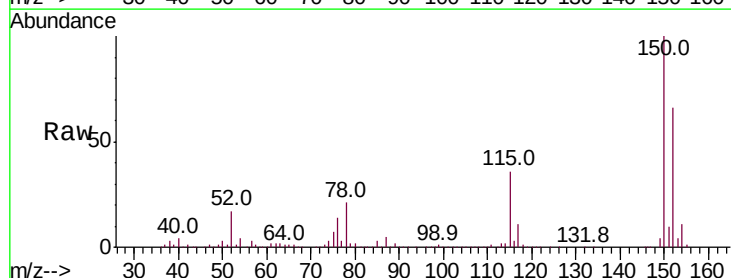
Manual Integrations
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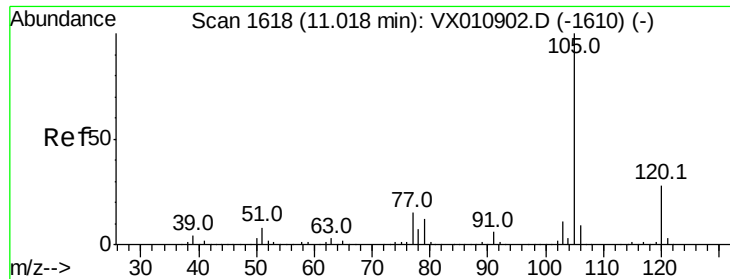
MMDadoda
7/22/2019 5:24:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Tgt Ion:152 Resp: 168007
Ion Ratio Lower Upper
152 100
115 56.0 39.7 119.1
150 155.2 0.0 345.6





#73

Isopropylbenzene

Concen: 3.725 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011013.D

Acq: 19 Jul 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

FL-0607DL

Tot Ion:105 Resp: 42282

Ion Ratio Lower Upper

105 100

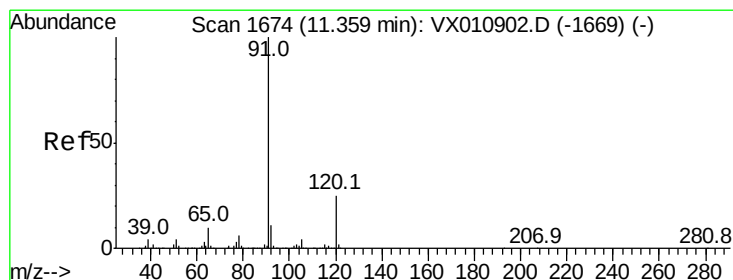
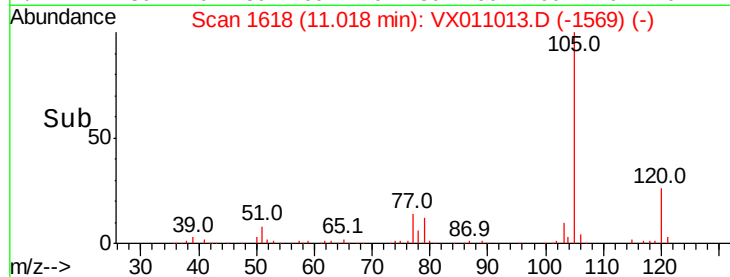
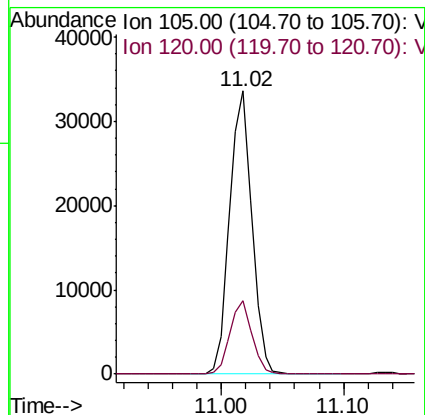
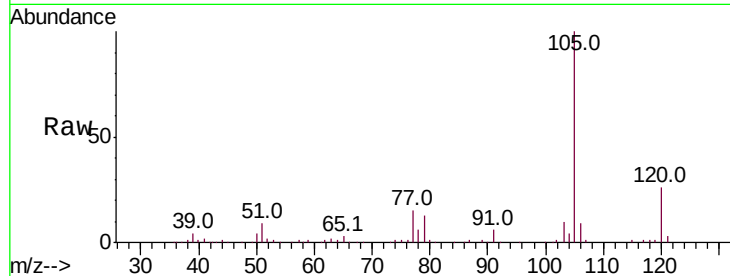
120 25.4 13.7 41.1

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#78

n-propylbenzene

Concen: 5.431 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011013.D

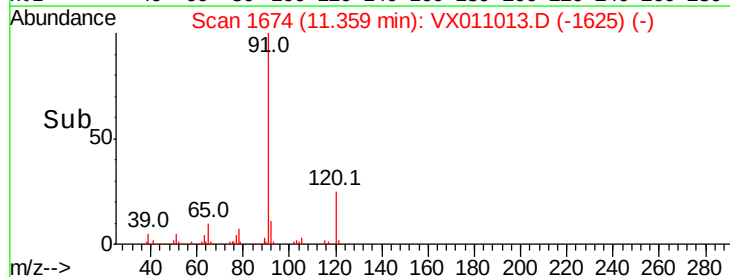
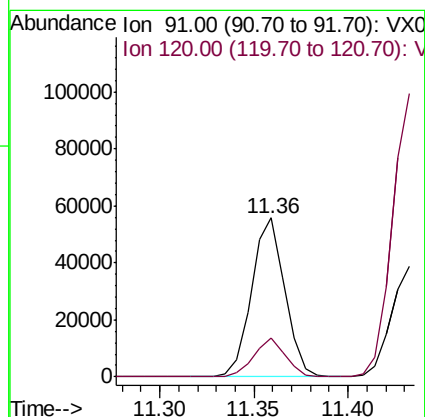
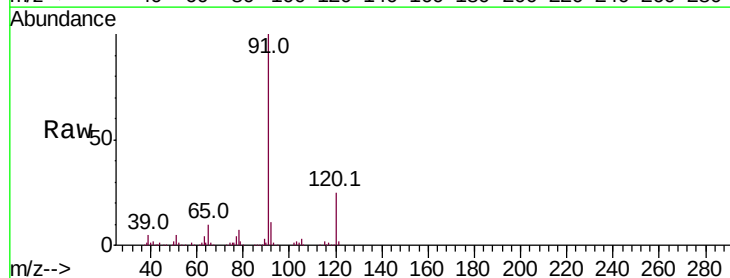
Acq: 19 Jul 2019 19:21

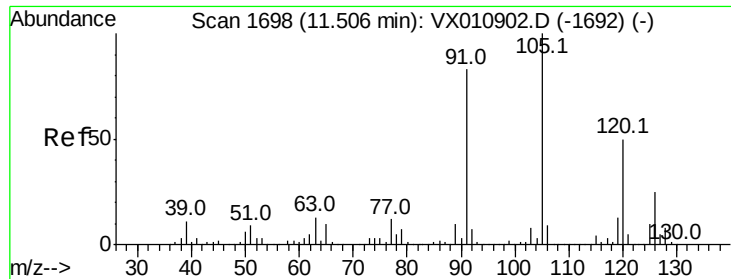
Tgt Ion: 91 Resp: 68127

Ion Ratio Lower Upper

91 100

120 23.5 12.3 36.8





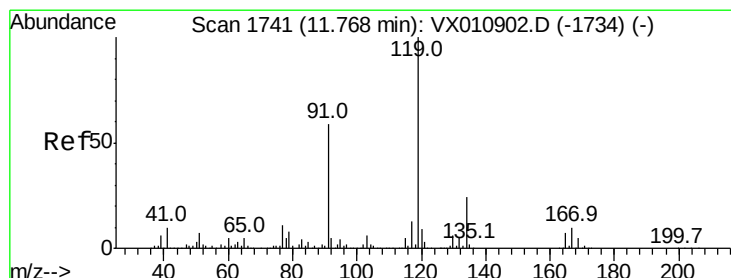
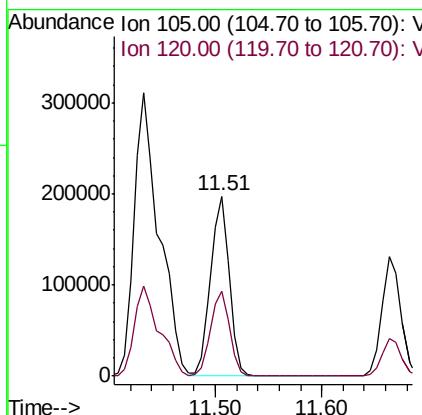
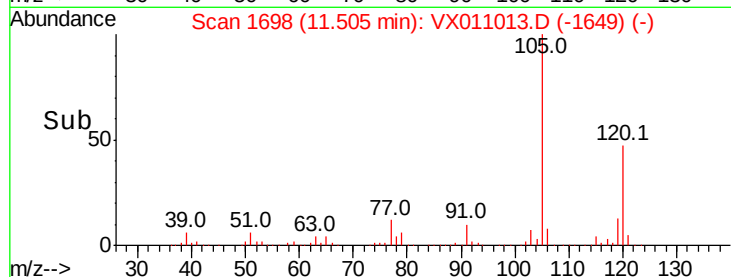
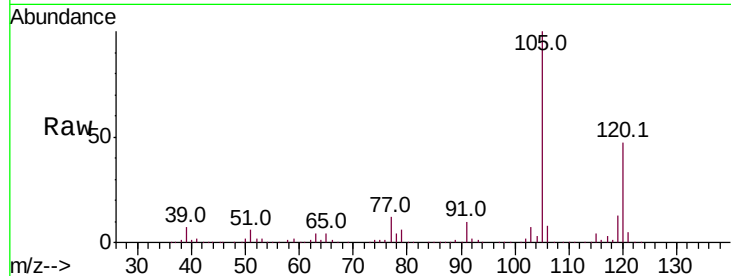
#80
 1,3,5-Trimethylbenzene
 Concen: 24.938 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0607DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.6	73.8

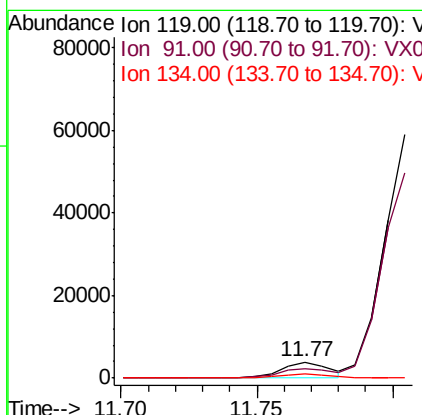
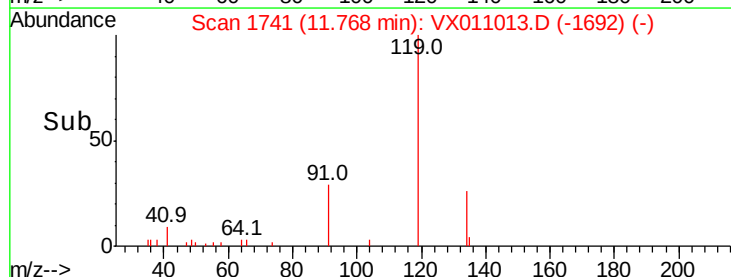
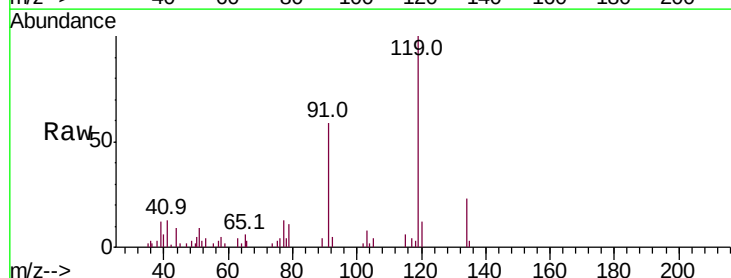
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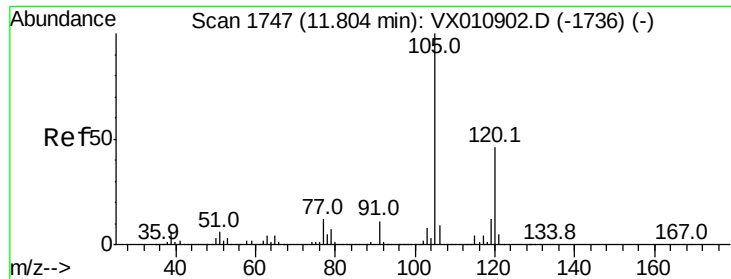
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#83
 tert-Butylbenzene
 Concen: 0.504 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.8	28.6	85.8
134	24.2	11.6	34.8





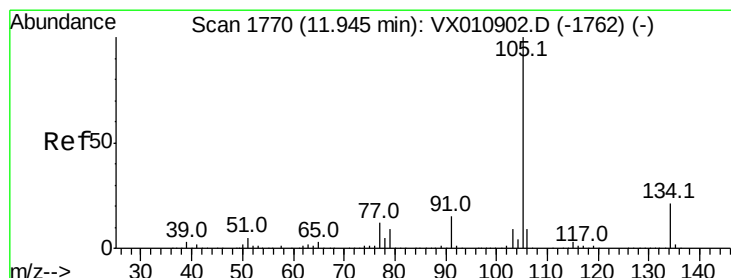
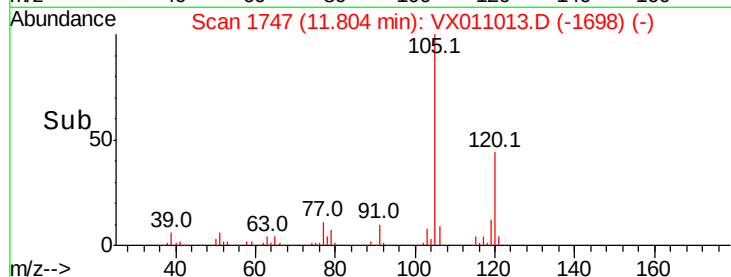
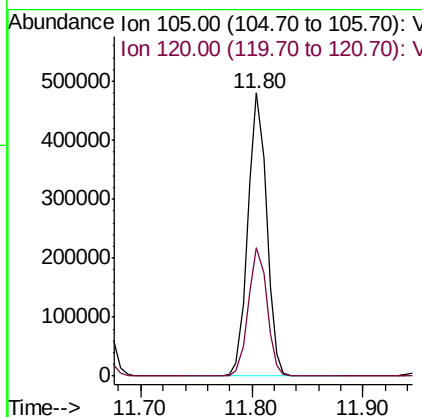
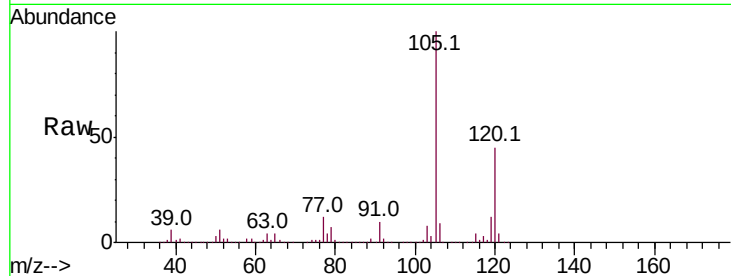
#84
 1,2,4-Trimethylbenzene
 Concen: 58.400 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0607DL

Tot Ion:105 Resp: 558357
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.5

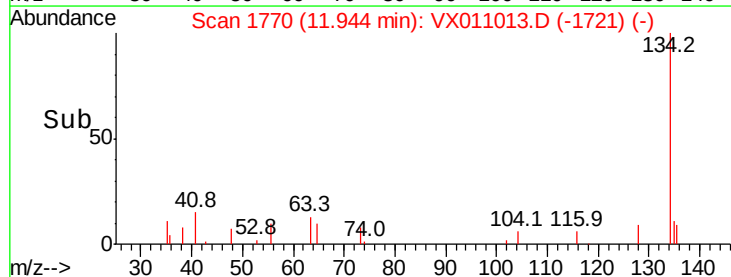
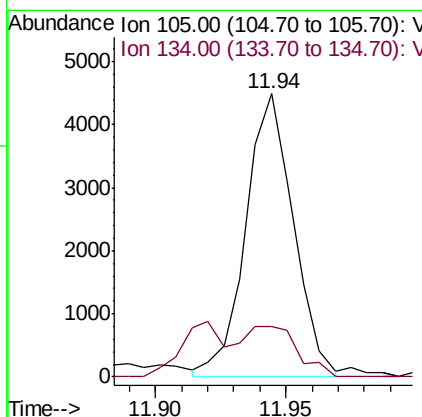
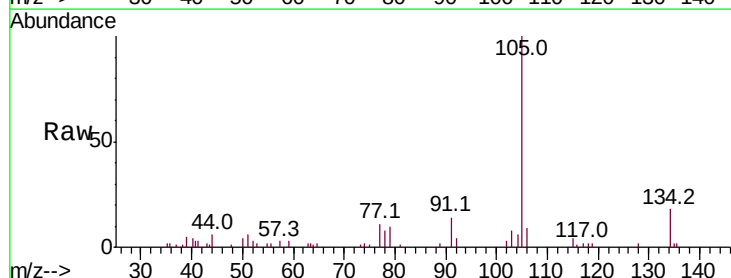
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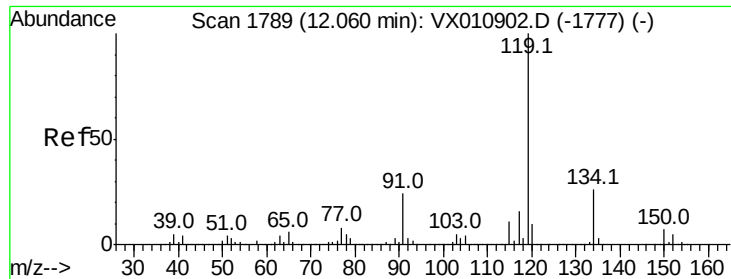
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#85
 sec-Butylbenzene
 Concen: 0.520 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011013.D
 Acq: 19 Jul 2019 19:21

Tgt Ion:105 Resp: 5681
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#





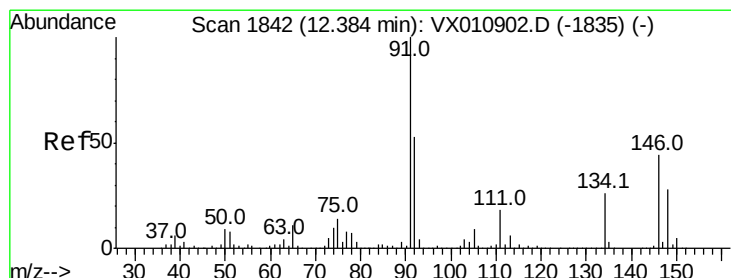
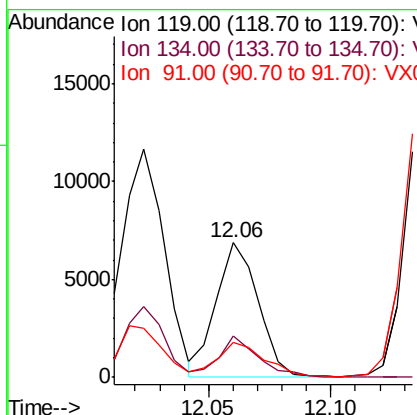
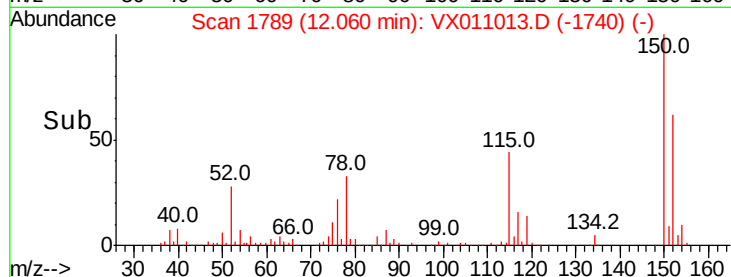
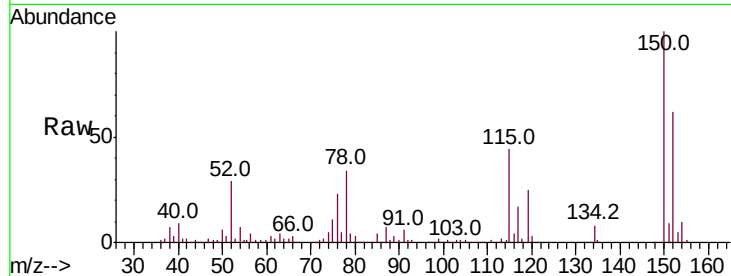
#86
p-Isopropyltoluene
Concen: 0.820 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Instrument :
MSVOA_X
ClientSampled :
FL-0607DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8274		
134	28.8		13.4	40.1
91	29.9		11.8	35.4

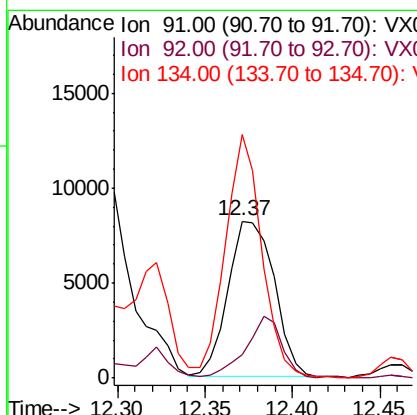
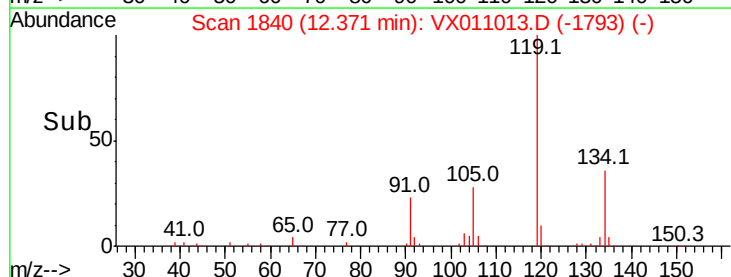
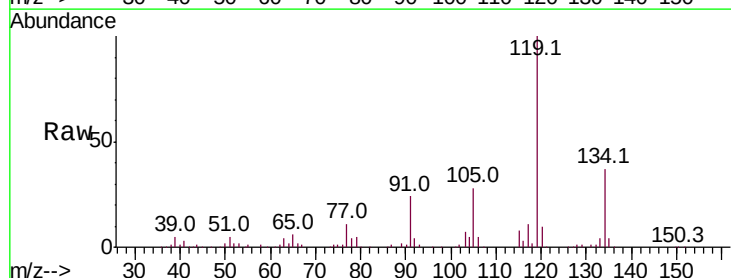
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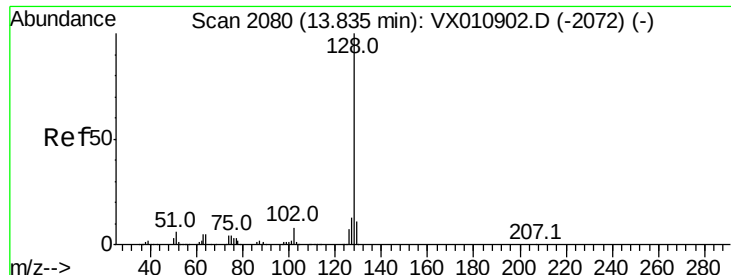
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#89
n-Butylbenzene
Concen: 1.751 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	15120		
92	31.5		26.2	78.5
134	123.6		13.8	41.3#





#95
Naphthalene
Concen: 8.442 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011013.D
Acq: 19 Jul 2019 19:21

Instrument :
MSVOA_X
ClientSampleId :
FL-0607DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.8	8.9	13.3

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