

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011026.D
 Acq On : 22 Jul 2019 13:29
 Operator : JC/SP
 Sample : K3884-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0617DL

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:11:23 AM

Quant Time: Jul 23 13:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	365580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	130174	52.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.08%	
35) Dibromofluoromethane	5.49	113	111776	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
50) Toluene-d8	8.71	98	439296	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	175952	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	44486	13.224	ug/l	96
39) Methylcyclohexane	7.46	83	29294	7.522	ug/l	95
52) Toluene	8.78	92	59617	9.866	ug/l	98
67) Ethyl Benzene	10.25	91	400866	32.750	ug/l	100
68) m/p-Xylenes	10.35	106	509947	108.609	ug/l	99
69) o-Xylene	10.69	106	224212	48.930	ug/l	99
73) Isopropylbenzene	11.02	105	24582	2.019	ug/l	98
78) n-propylbenzene	11.36	91	43436	3.229	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	80356	7.899	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	251000	24.481	ug/l	100
85) sec-Butylbenzene	11.94	105	3961m	0.338	ug/l	
86) p-Isopropyltoluene	12.06	119	4536m	0.419	ug/l	
89) n-Butylbenzene	12.38	91	2475m	0.267	ug/l	
95) Naphthalene	13.83	128	115397	9.984	ug/l	99

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

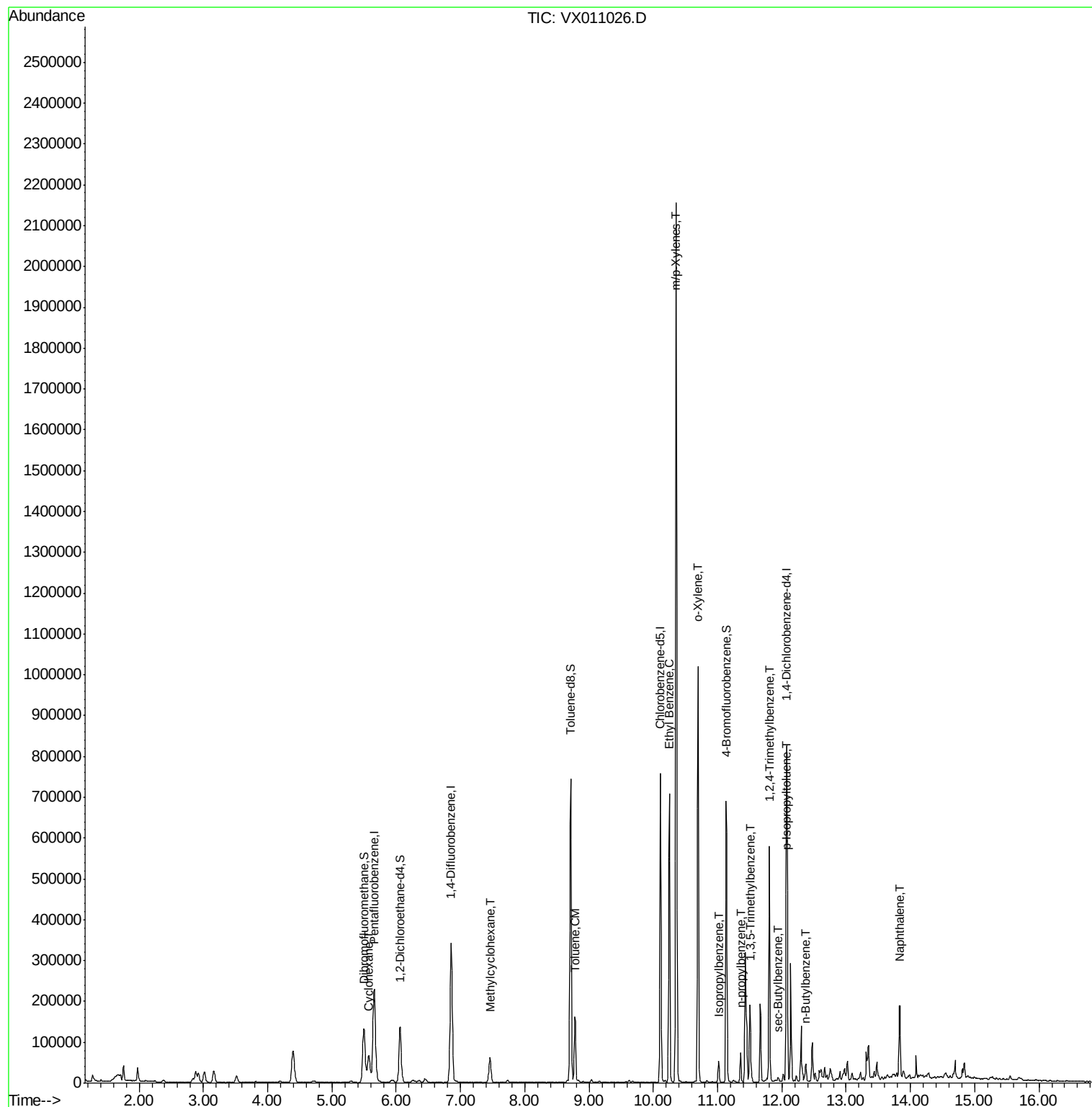
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072219\
Data File : VX011026.D
Acq On : 22 Jul 2019 13:29
Operator : JC/SP
Sample : K3884-07DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

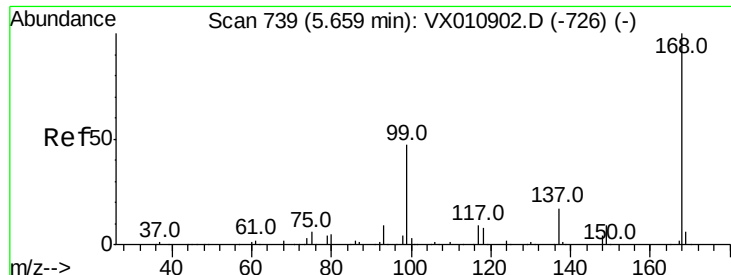
Instrument :
MSVOA_X
ClientSampleId :
FL-0617DL

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Quant Time: Jul 23 13:20:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 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: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

ClientSampleId :

FL-0617DL

Tot Ion:168 Resp: 232896

Ion Ratio Lower Upper

168 100

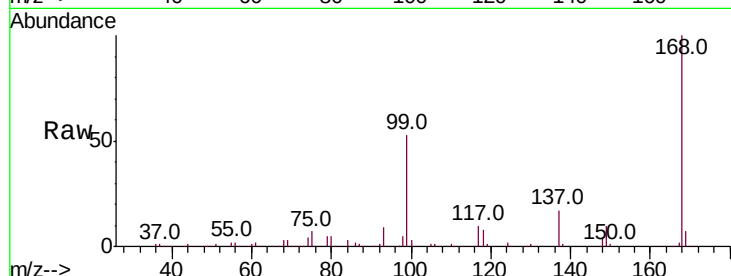
99 52.7 37.6 56.4

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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

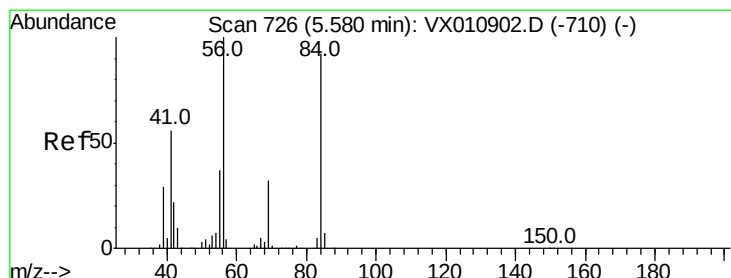
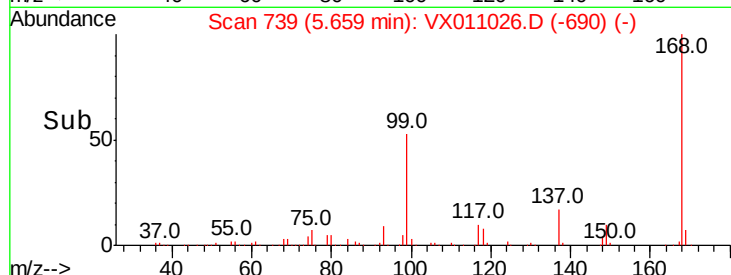
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 13.224 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

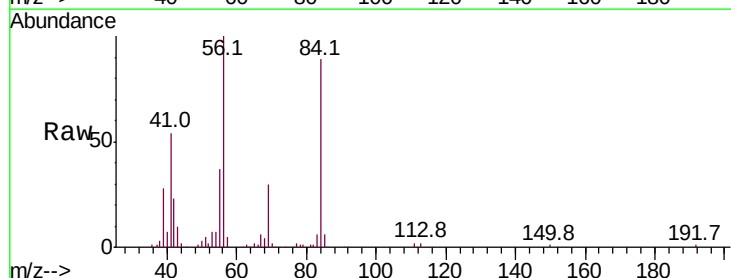
Tgt Ion: 56 Resp: 44486

Ion Ratio Lower Upper

56 100

69 29.6 25.8 38.8

84 88.7 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

20000

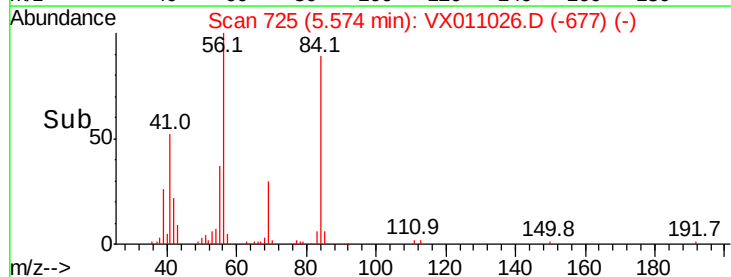
15000

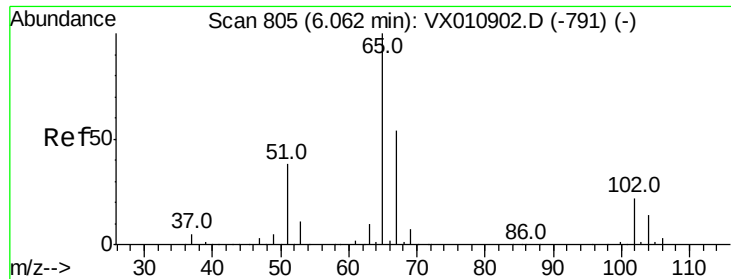
10000

5000

0

Time-->





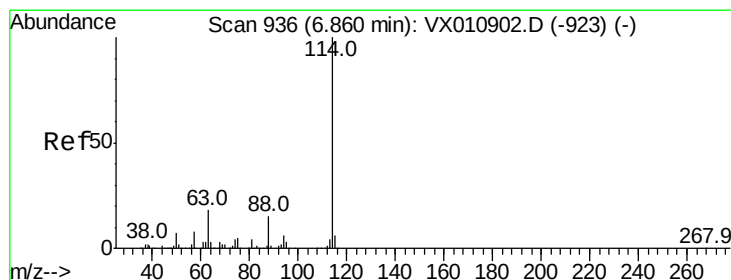
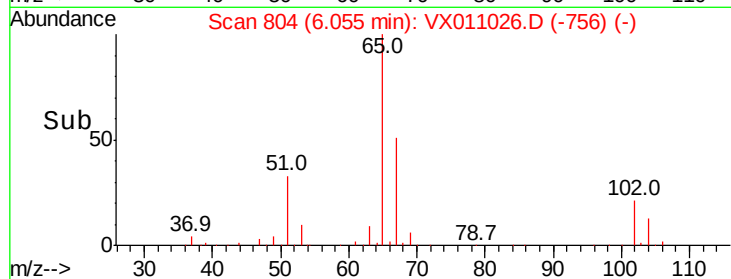
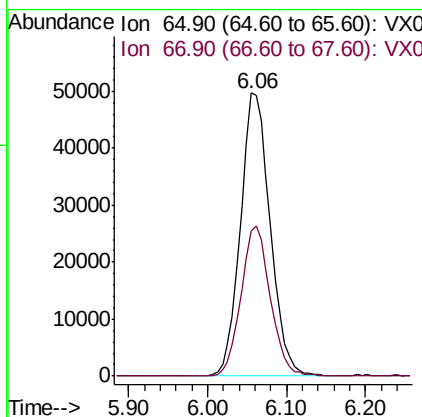
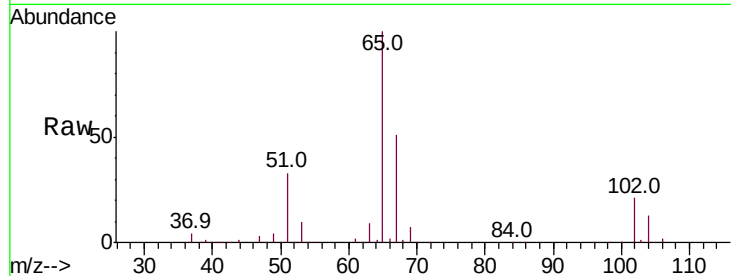
#33
 1,2-Dichloroethane-d4
 Concen: 52.539 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011026.D
 Acq: 22 Jul 2019 13:29

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0617DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	107.8	

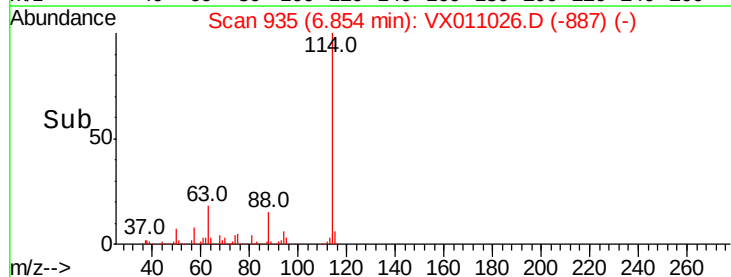
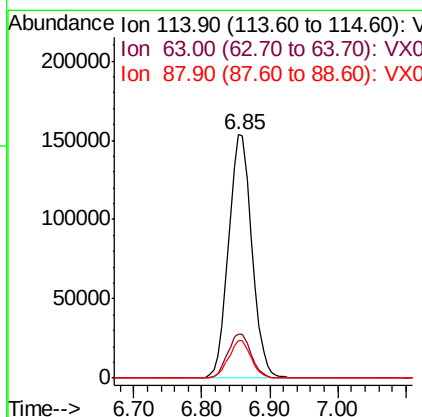
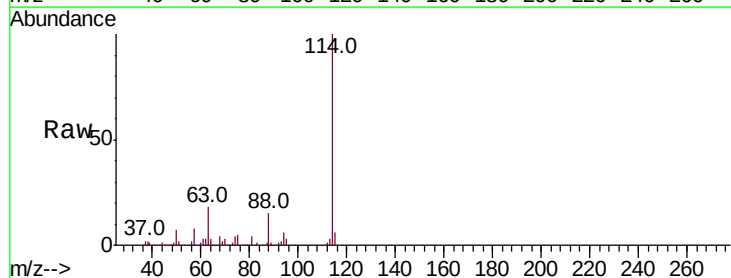
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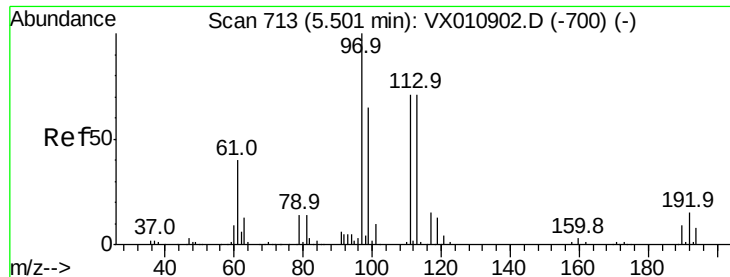
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011026.D
 Acq: 22 Jul 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.6	
88	15.4	0.0	29.8	





#35

Dibromofluoromethane

Concen: 48.171 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

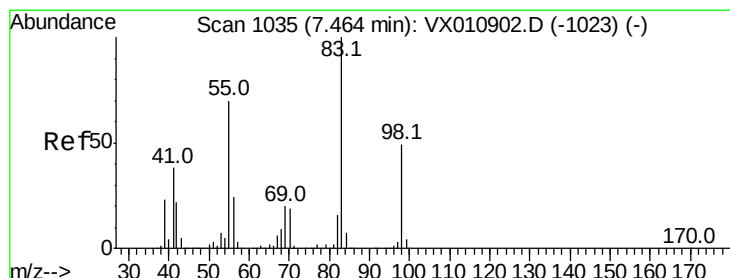
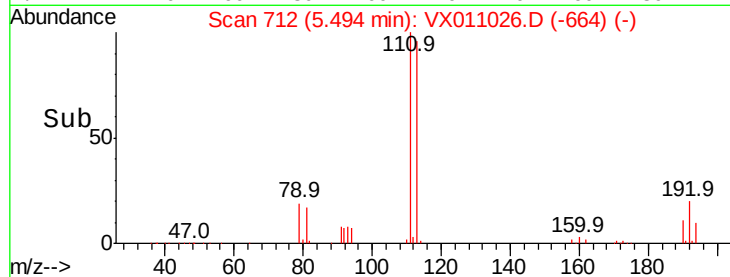
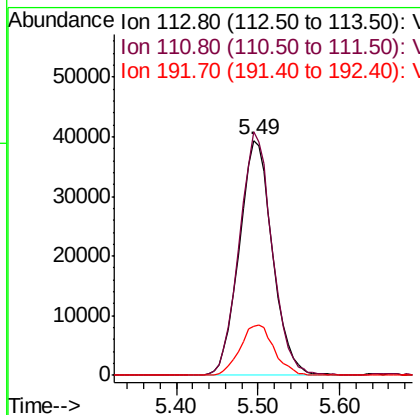
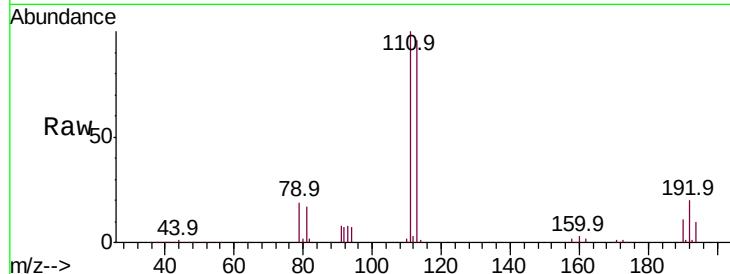
ClientSampled :

FL-0617DL

Tot Ion:	113	Resp:	111776
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.3	123.5
192	21.9	17.4	26.2

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#39

Methylcyclohexane

Concen: 7.522 ug/l

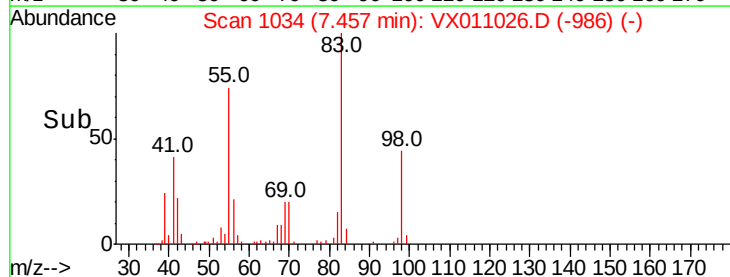
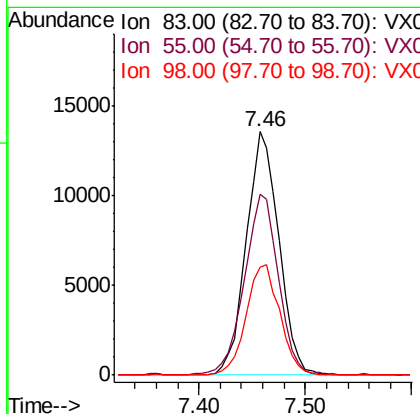
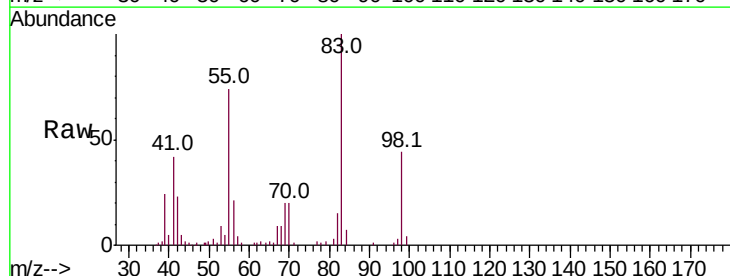
RT: 7.46 min Scan# 1034

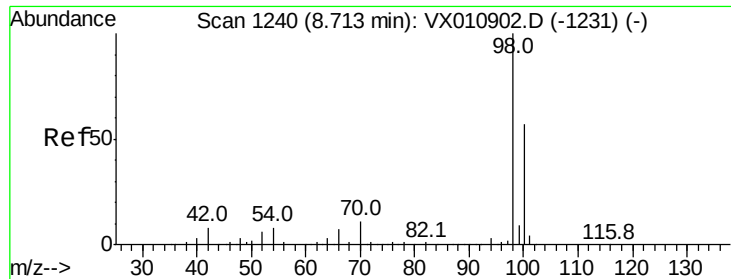
Delta R.T. -0.01 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Tgt Ion:	83	Resp:	29294
Ion Ratio	Lower	Upper	
83	100		
55	74.1	56.2	84.4
98	44.1	39.0	58.4





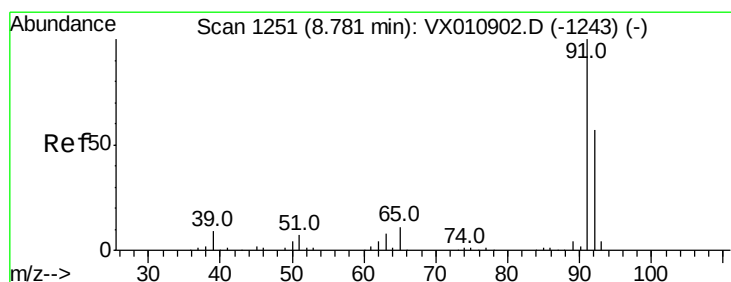
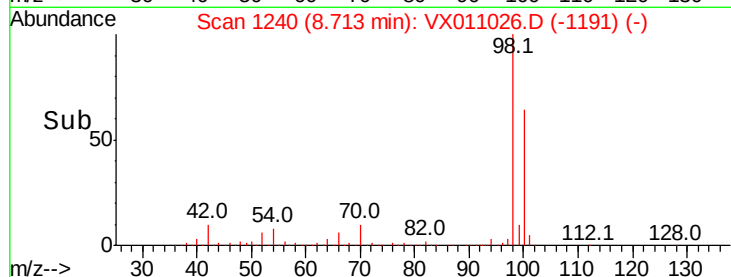
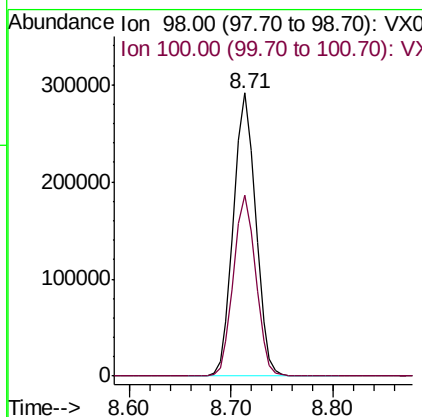
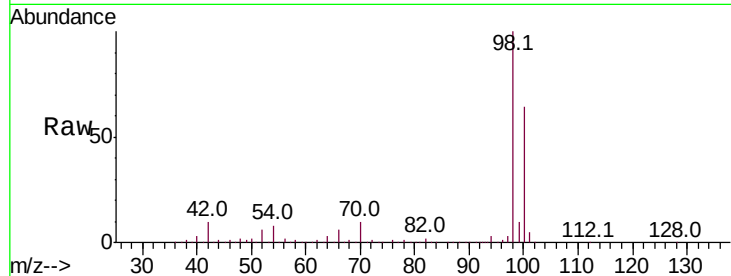
#50
Toluene-d8
Concen: 50.476 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Instrument :
MSVOA_X
ClientSampleId :
FL-0617DL

Tot Ion: 98 Resp: 439296
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8

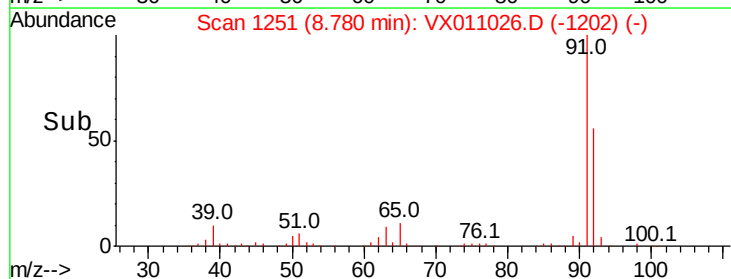
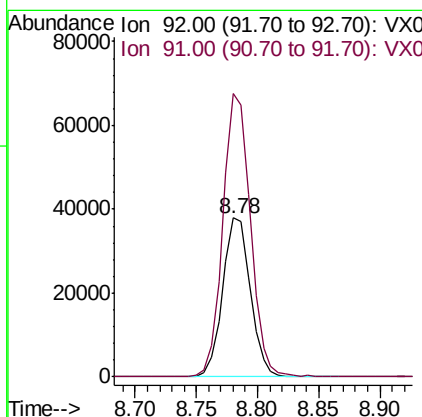
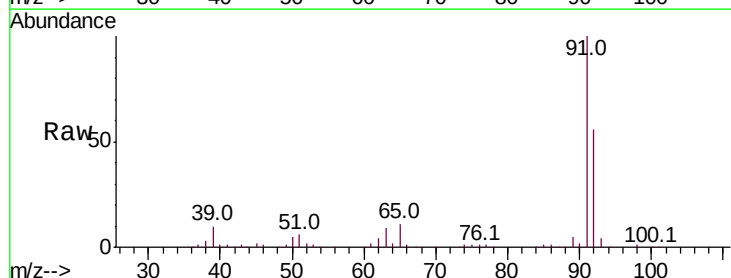
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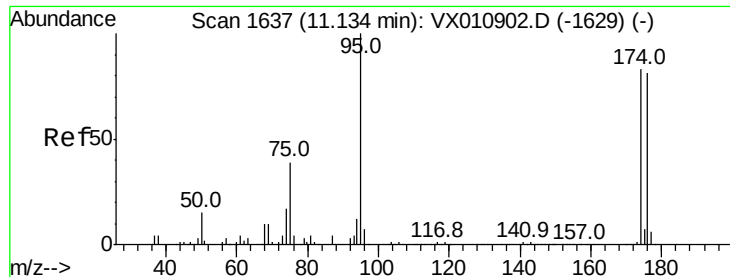
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#52
Toluene
Concen: 9.866 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Tgt Ion: 92 Resp: 59617
Ion Ratio Lower Upper
92 100
91 177.4 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 55.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

ClientSampleId :

FL-0617DL

Tot Ion: 95 Resp: 175952

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

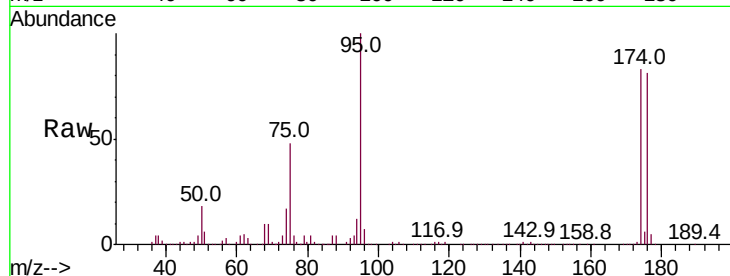
176 85.6 0.0 173.8

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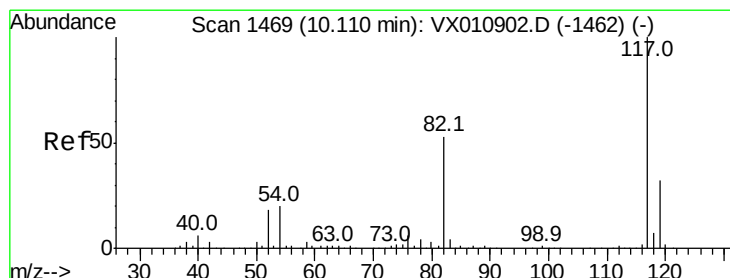
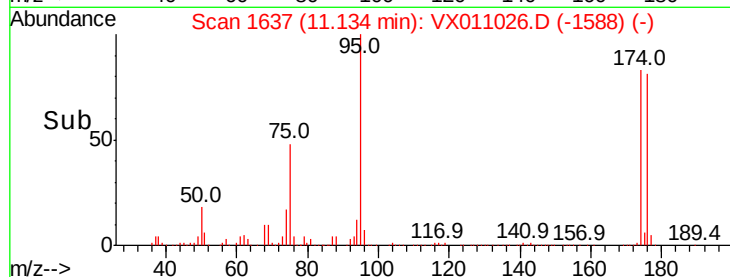
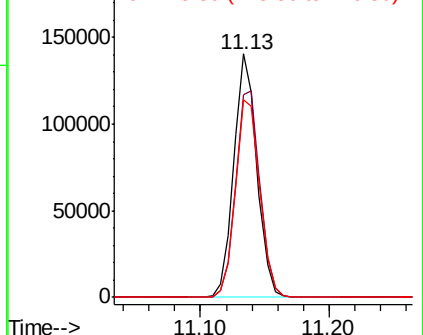
7/23/2019 11:11:23 AM



Abundance Ion 94.90 (94.60 to 95.60): VX011026.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011026.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011026.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

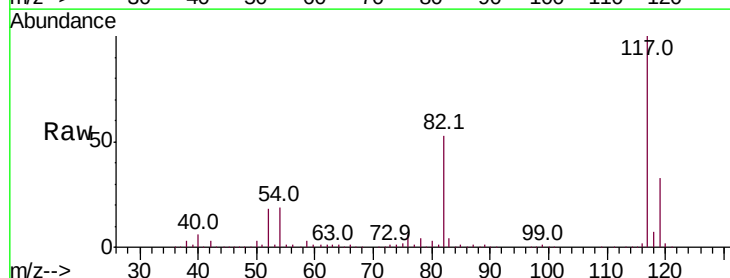
Tgt Ion: 117 Resp: 350119

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

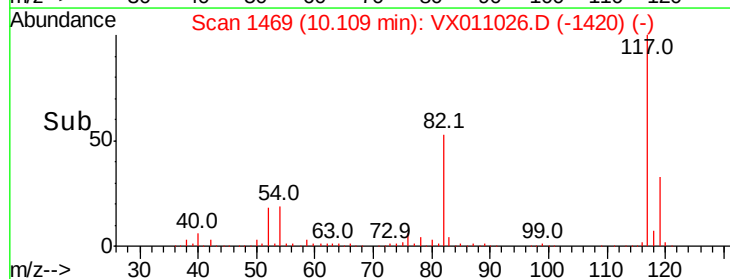
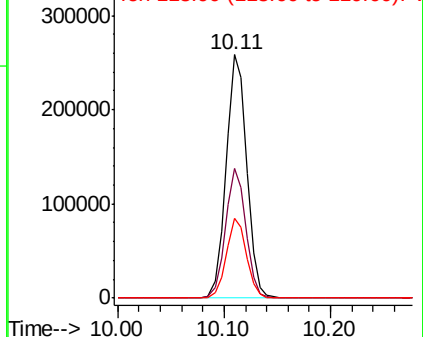
119 32.5 25.9 38.9

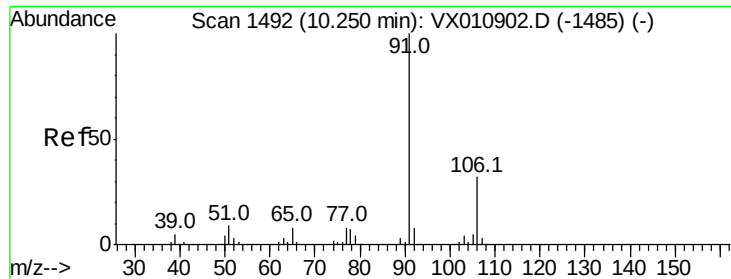


Abundance Ion 116.90 (116.60 to 117.60): VX011026.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011026.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011026.D (-1420) (-)





#67

Ethyl Benzene

Concen: 32.750 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

ClientSampled :

FL-0617DL

Tot Ion: 91 Resp: 400866

Ion Ratio Lower Upper

91 100

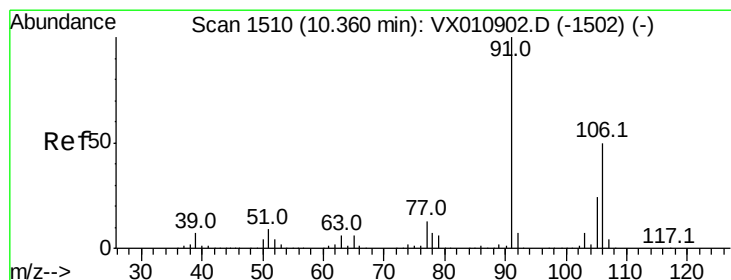
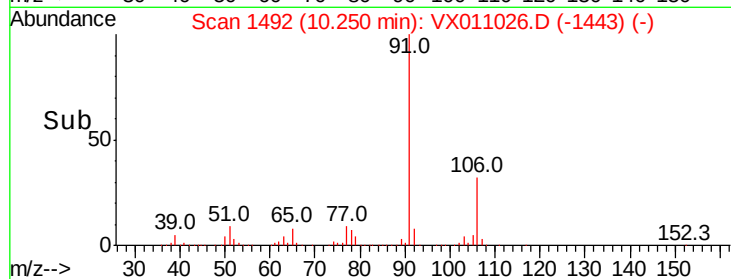
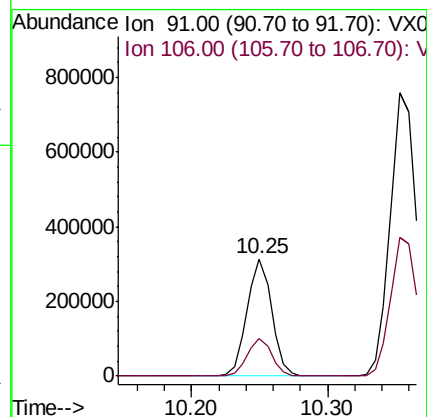
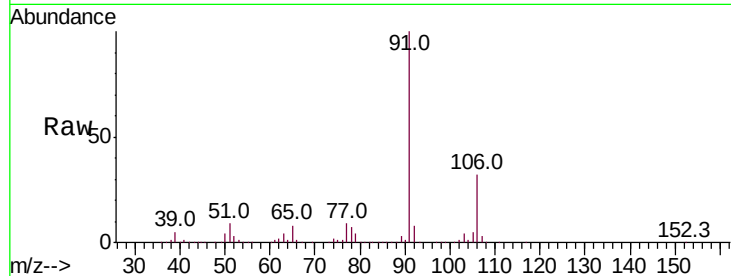
106 31.8 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.609 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011026.D

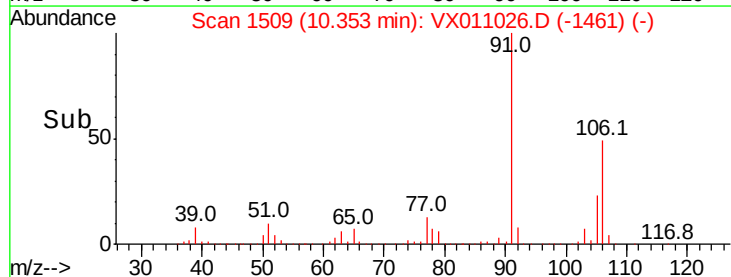
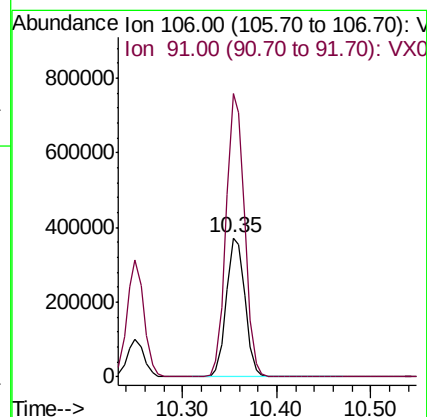
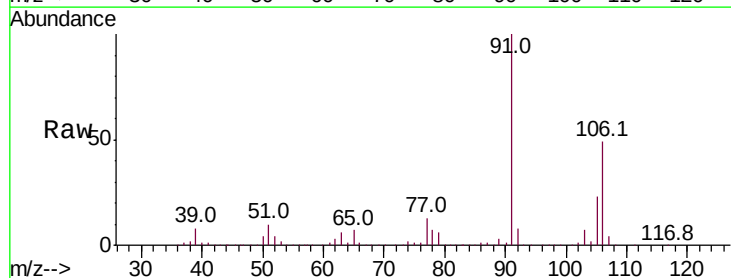
Acq: 22 Jul 2019 13:29

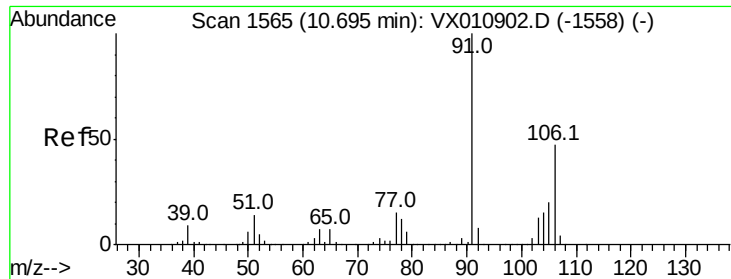
Tgt Ion: 106 Resp: 509947

Ion Ratio Lower Upper

106 100

91 201.6 160.1 240.1





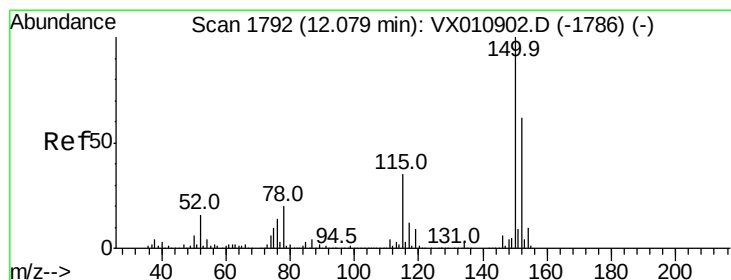
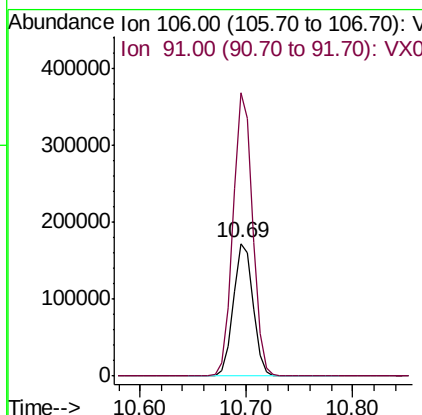
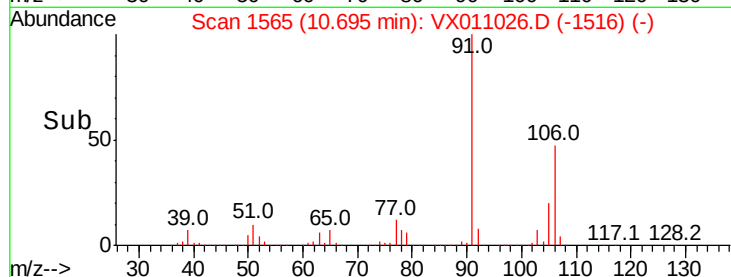
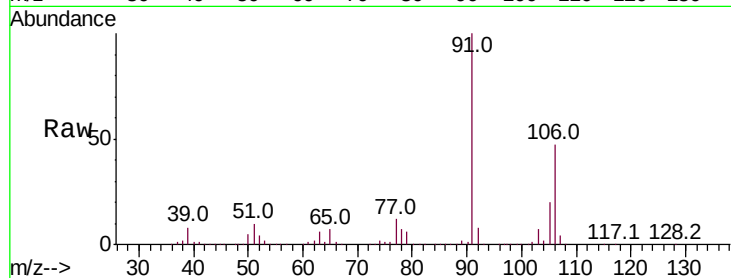
#69
o-Xylene
Concen: 48.930 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Instrument :
MSVOA_X
ClientSampled :
FL-0617DL

Tot Ion:106 Resp: 224212
Ion Ratio Lower Upper
106 100
91 212.1 105.1 315.3

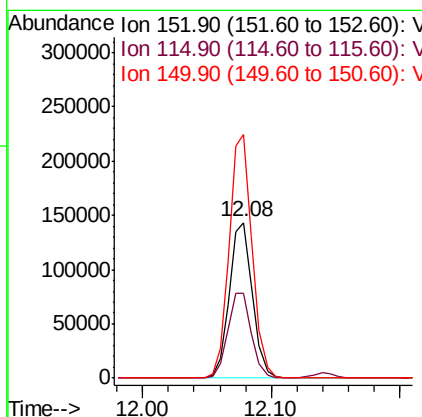
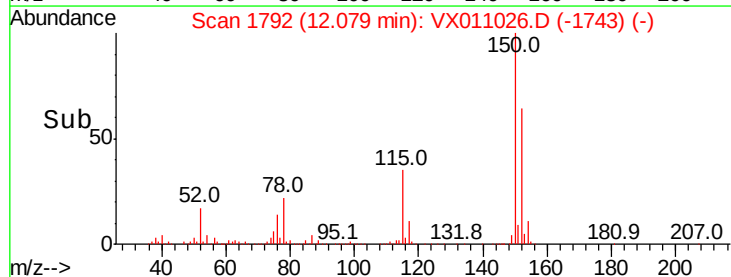
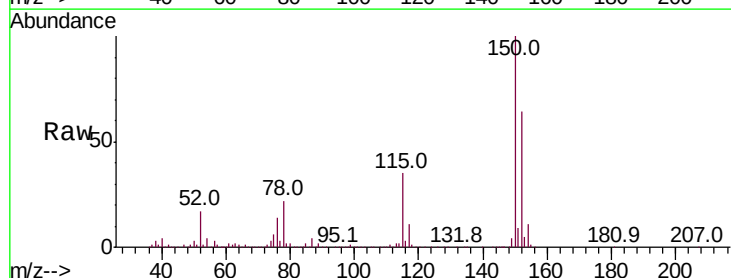
Manual Integrations
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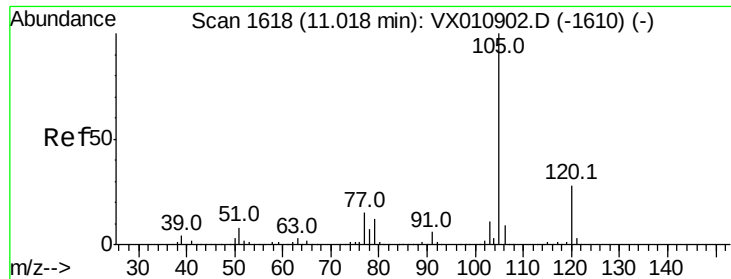
MMDadoda
7/23/2019 11:11:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Tgt Ion:152 Resp: 180164
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 155.6 0.0 345.6





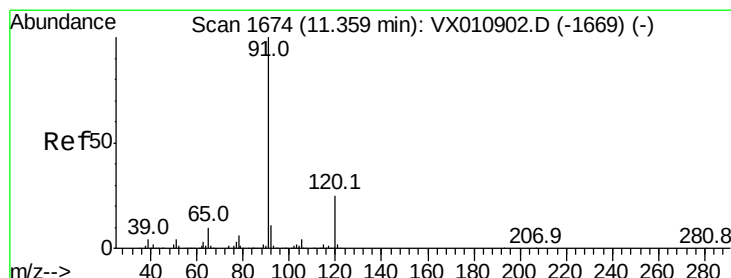
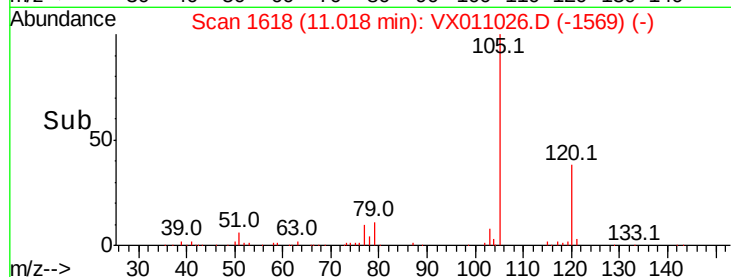
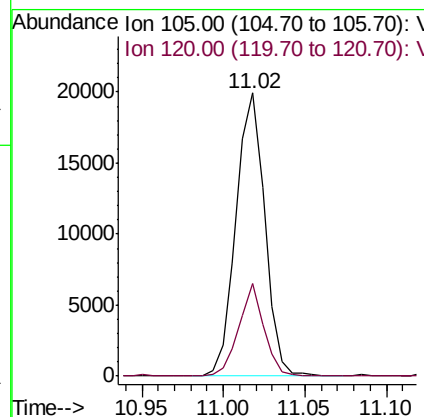
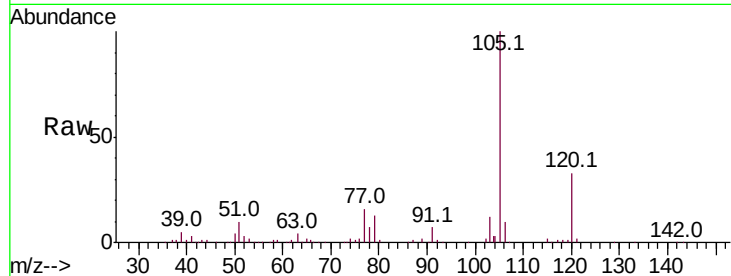
#73
Isopropylbenzene
Concen: 2.019 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Instrument :
MSVOA_X
ClientSampleId :
FL-0617DL

Tot Ion:105 Resp: 24582
Ion Ratio Lower Upper
105 100
120 28.7 13.7 41.1

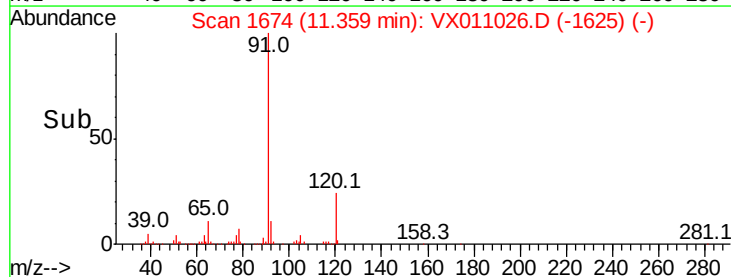
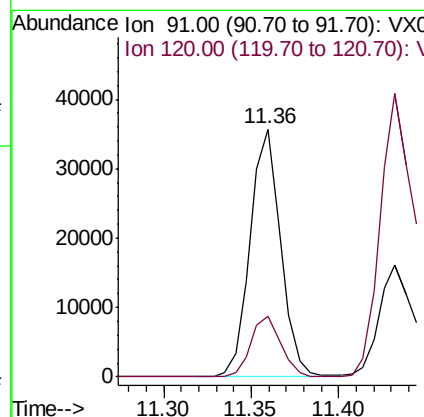
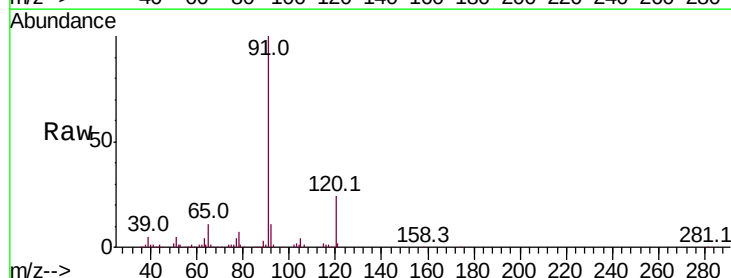
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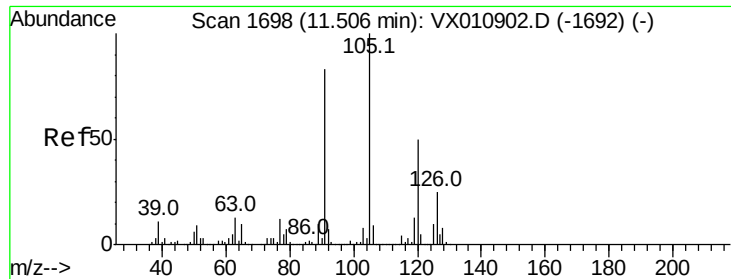
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#78
n-propylbenzene
Concen: 3.229 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX011026.D
Acq: 22 Jul 2019 13:29

Tgt Ion: 91 Resp: 43436
Ion Ratio Lower Upper
91 100
120 24.2 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 7.899 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

ClientSampled :

FL-0617DL

Tot Ion:105 Resp: 80356

Ion Ratio Lower Upper

105 100

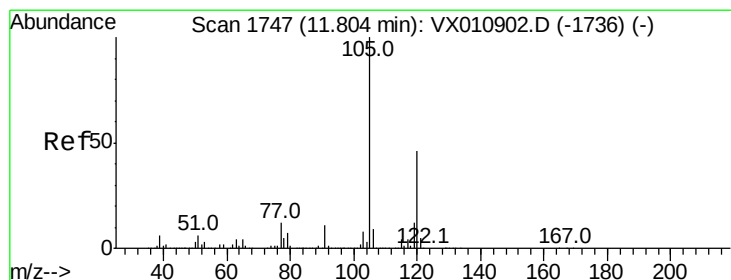
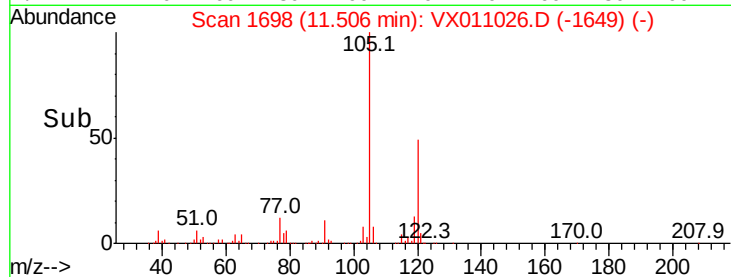
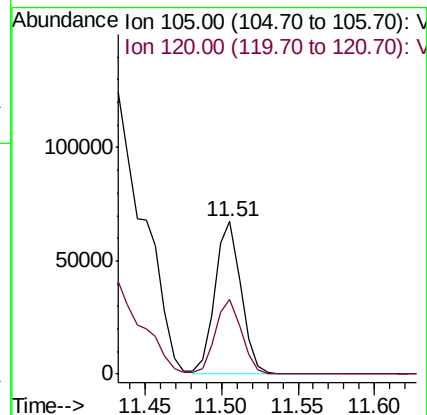
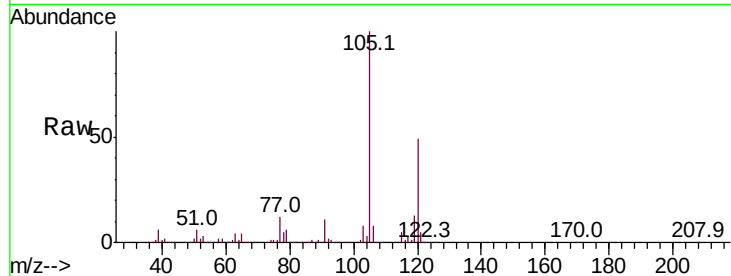
120 49.6 24.6 73.8

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 24.481 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011026.D

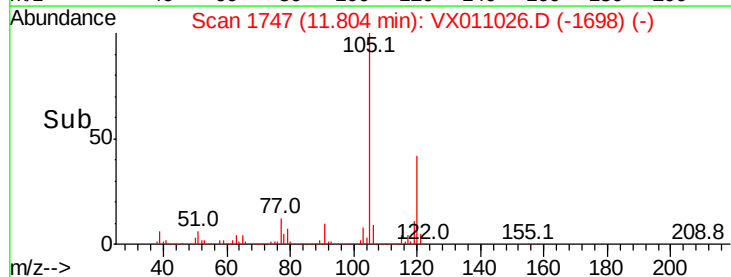
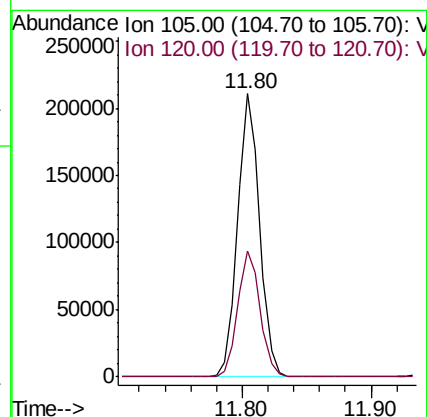
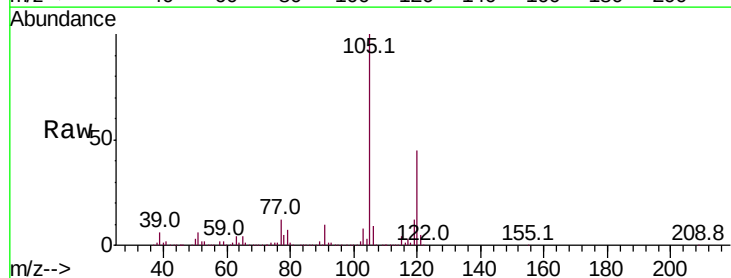
Acq: 22 Jul 2019 13:29

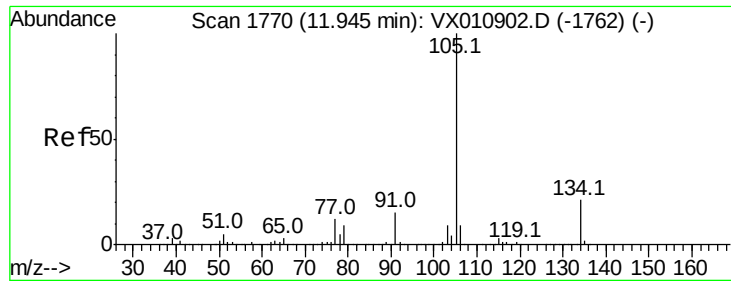
Tgt Ion:105 Resp: 251000

Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.5





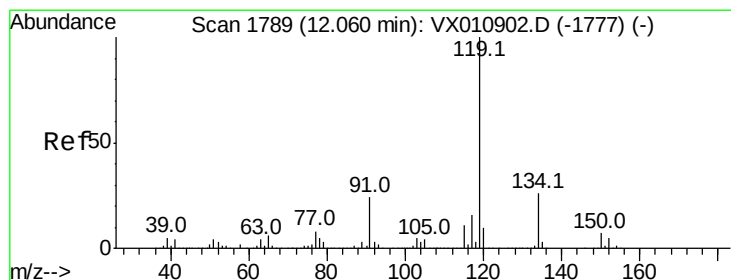
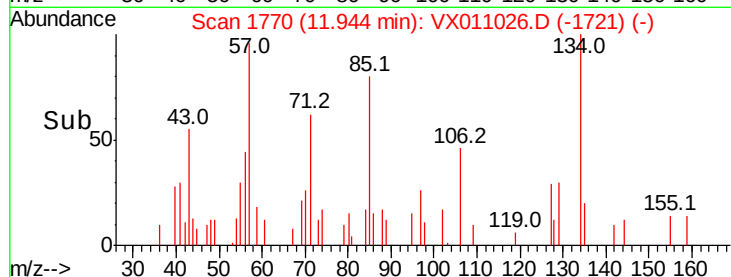
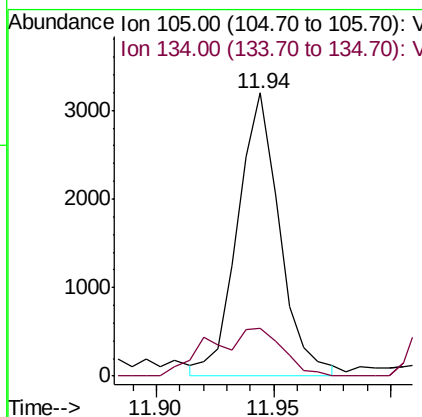
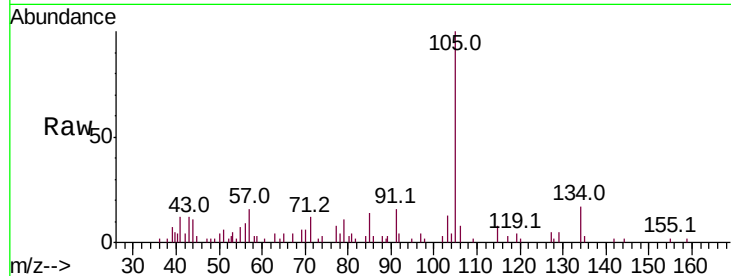
#85
 sec-Butylbenzene
 Concen: 0.338 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011026.D
 Acq: 22 Jul 2019 13:29

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0617DL

Tot Ion:105 Resp: 3961
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#

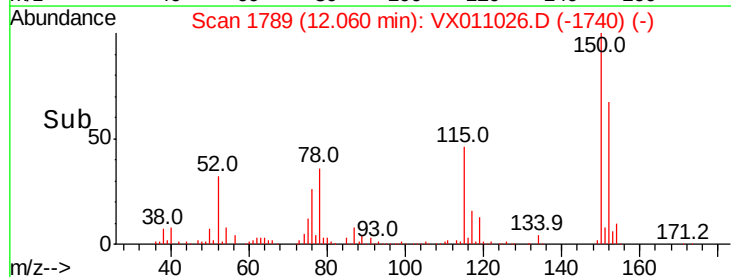
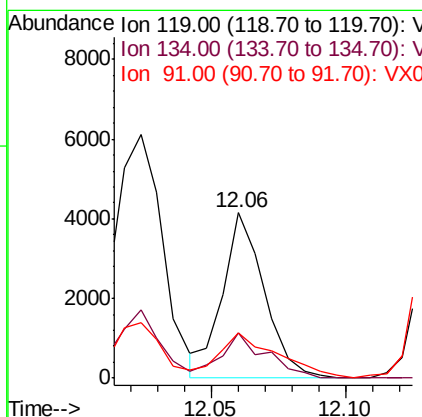
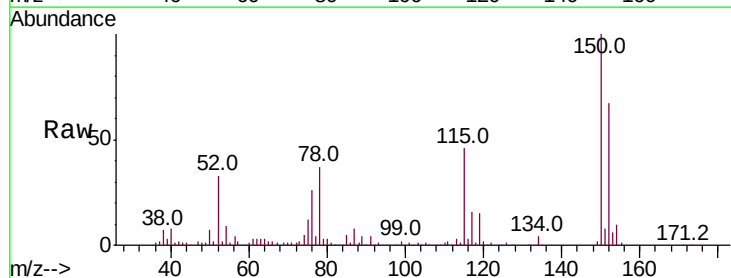
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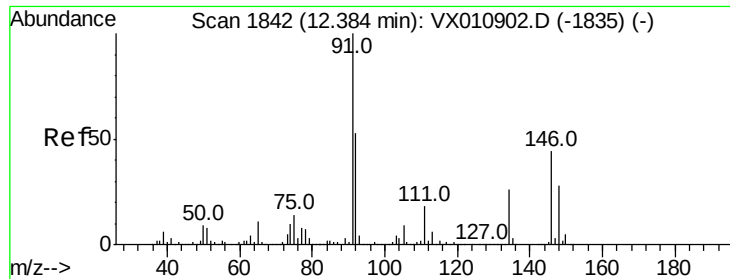
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#86
 p-Isopropyltoluene
 Concen: 0.419 ug/l m
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011026.D
 Acq: 22 Jul 2019 13:29

Tgt Ion:119 Resp: 4536
 Ion Ratio Lower Upper
 119 100
 134 42.8 13.4 40.1#
 91 39.4 11.8 35.4#





#89

n-Butylbenzene

Concen: 0.267 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Instrument :

MSVOA_X

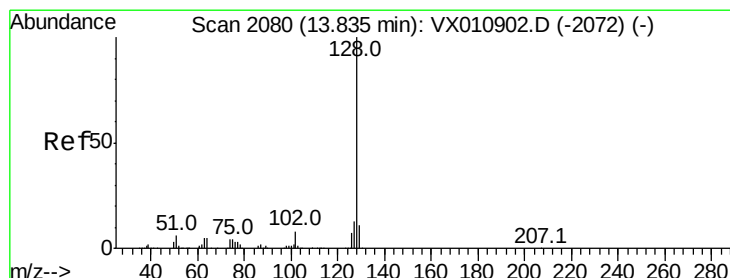
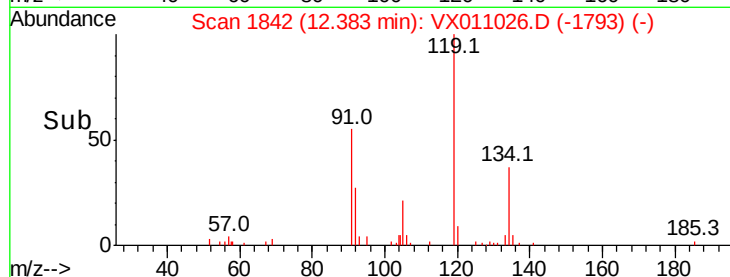
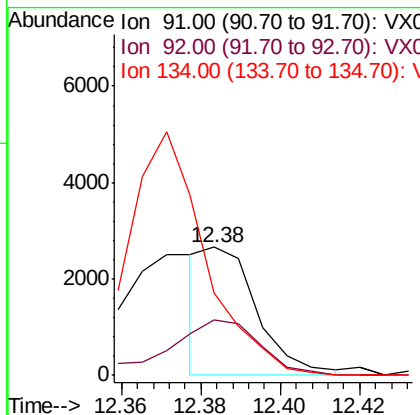
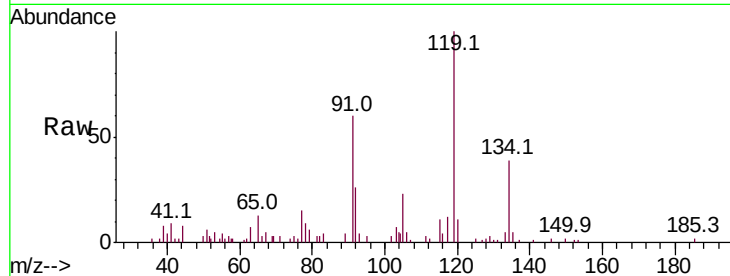
ClientSampled :

FL-0617DL

Tot Ion:	91	Resp:	2475
Ion	Ratio	Lower	Upper
91	100		
92	75.3	26.2	78.5
134	278.4	13.8	41.3#

Manual Integrations
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#95

Naphthalene

Concen: 9.984 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011026.D

Acq: 22 Jul 2019 13:29

Tgt Ion:	128	Resp:	115397
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.0	8.9	13.3

