

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010968.D
 Acq On : 18 Jul 2019 18:52
 Operator : JC/SP
 Sample : K3884-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0616

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:23:26 PM

Quant Time: Jul 19 04:36:24 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	242778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	133964	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
35) Dibromofluoromethane	5.50	113	118079	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	467804	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	187870	56.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.14%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	1198130	341.656	ug/l	98
39) Methylcyclohexane	7.46	83	1093736	268.162	ug/l	97
52) Toluene	8.78	92	5536	0.875	ug/l	98
67) Ethyl Benzene	10.26	91	7124781	557.850	ug/l	96
68) m/p-Xylenes	10.37	106	8075116	1648.261	ug/l	84
69) o-Xylene	10.70	106	3760266	786.444	ug/l	97
73) Isopropylbenzene	11.02	105	689455	52.501	ug/l	99
78) n-propylbenzene	11.36	91	1186118	81.744	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1986995	181.074	ug/l	99
83) tert-Butylbenzene	11.77	119	23285	2.160	ug/l #	43
84) 1,2,4-Trimethylbenzene	11.81	105	5089470	460.166	ug/l	98
85) sec-Butylbenzene	11.94	105	116069m	9.190	ug/l	
86) p-Isopropyltoluene	12.06	119	124079	10.627	ug/l	98
89) n-Butylbenzene	12.38	91	204188	20.441	ug/l #	30
95) Naphthalene	13.83	128	3601787	288.880	ug/l	99

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

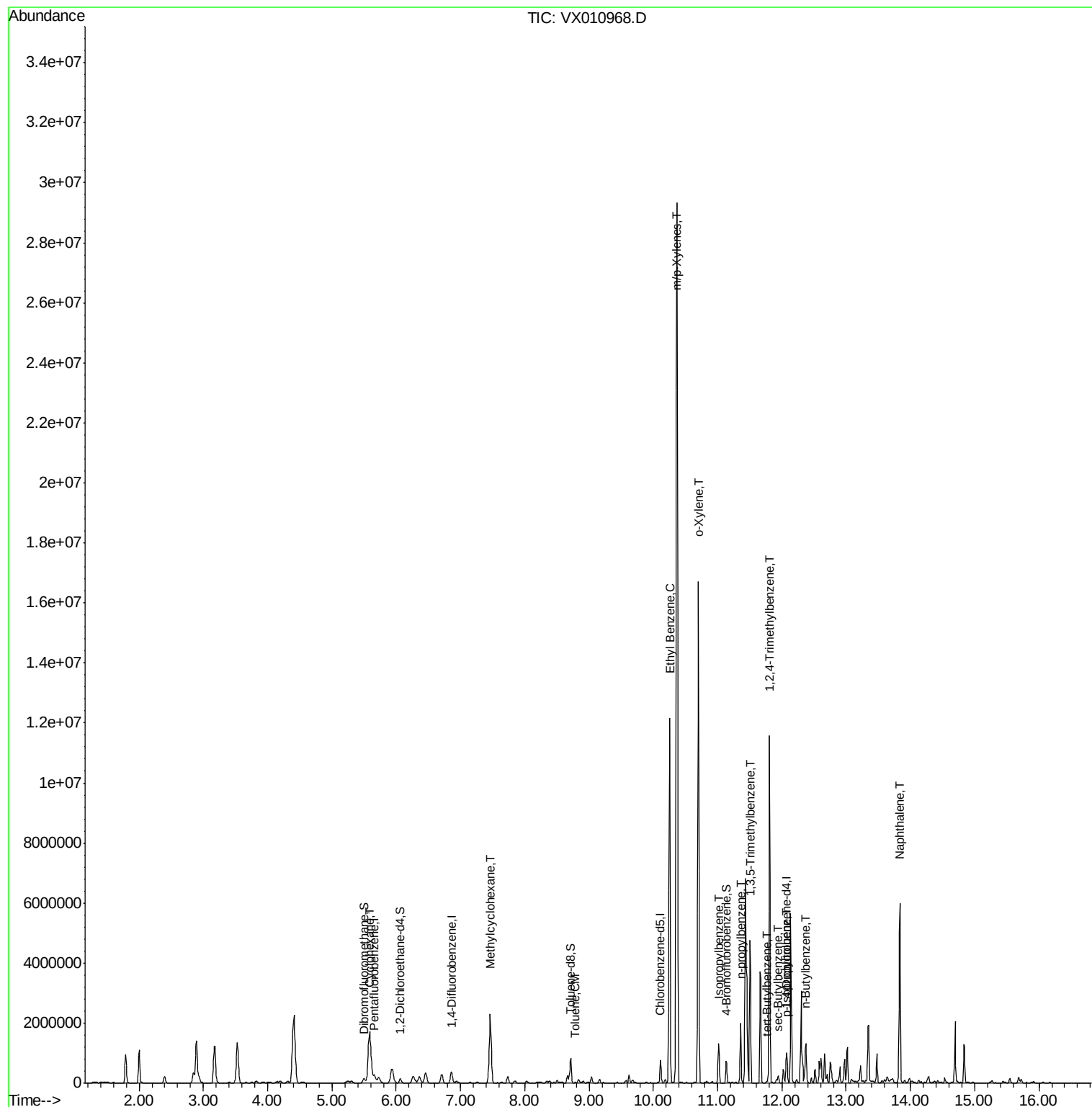
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010968.D
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Misc : 5.0mL/MSVOA X/WATER
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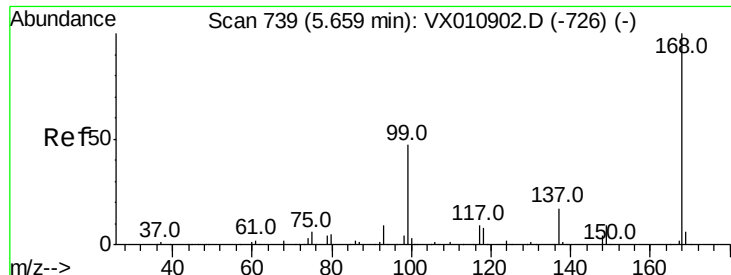
Instrument :
MSVOA_X
ClientSampleId :
FL-0616

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Quant Time: Jul 19 04:36:24 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: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

FL-0616

Tot Ion:168 Resp: 242778

Ion Ratio Lower Upper

168 100

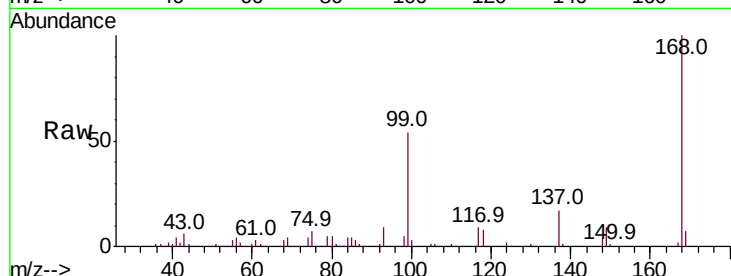
99 53.6 37.6 56.4

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

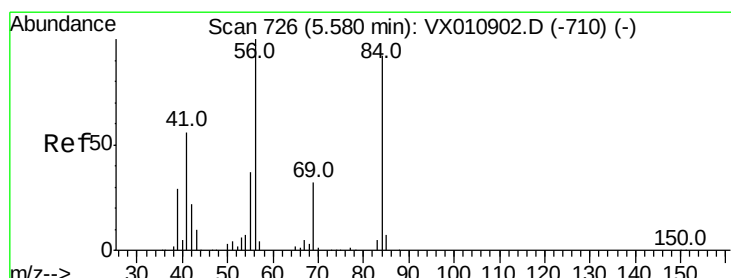
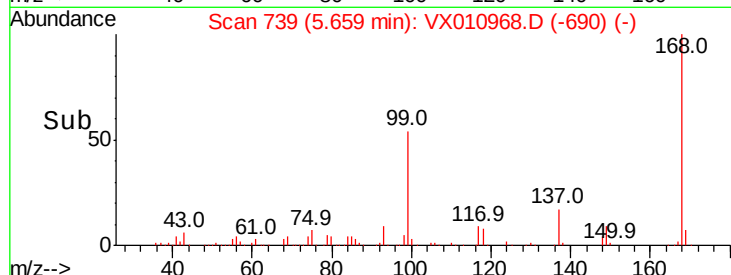
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 341.656 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

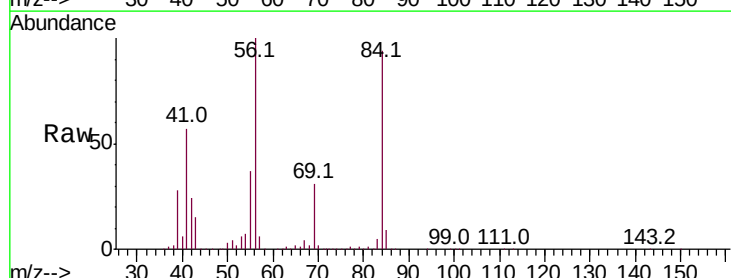
Tgt Ion: 56 Resp: 1198130

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

84 93.6 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

5.59

400000

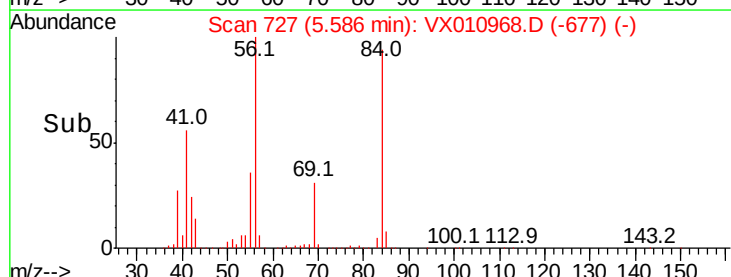
300000

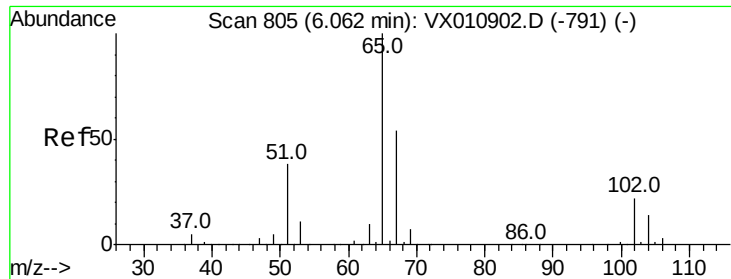
200000

100000

0

Time--> 5.50 5.60 5.70





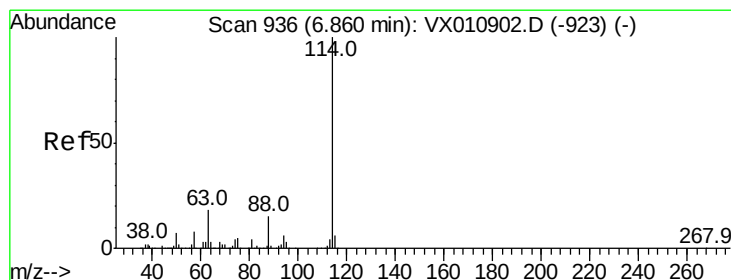
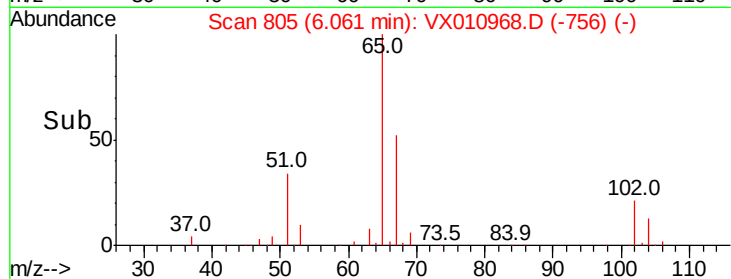
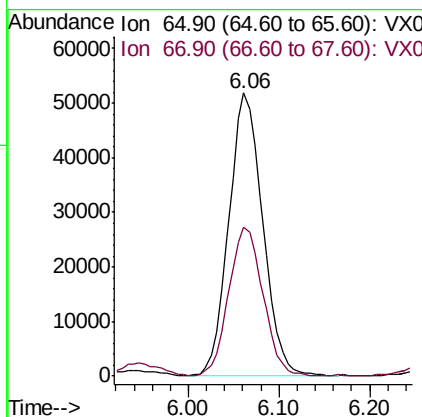
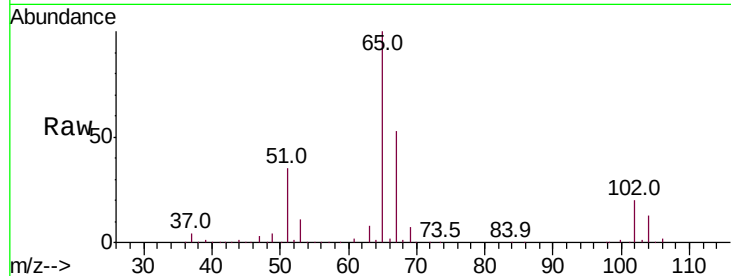
#33
 1,2-Dichloroethane-d4
 Concen: 51.868 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010968.D
 Acq: 18 Jul 2019 18:52

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0616

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133964		
67	52.8	0.0	107.8	

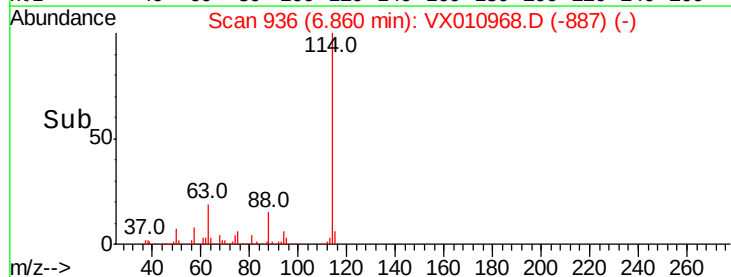
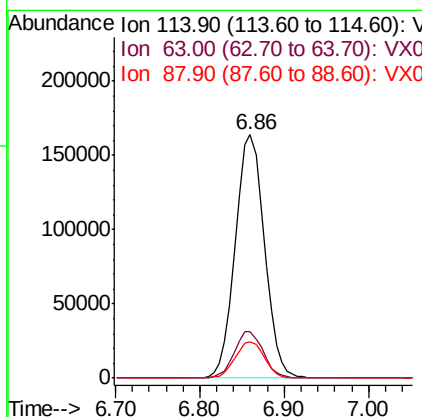
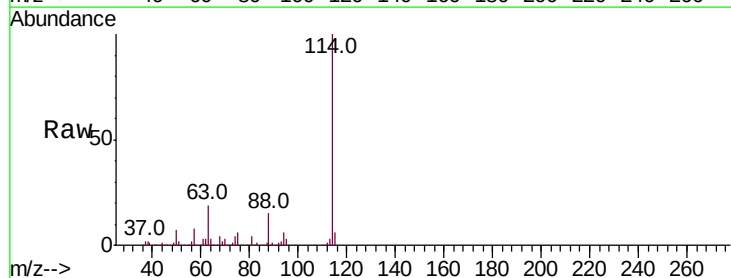
Manual Integrations
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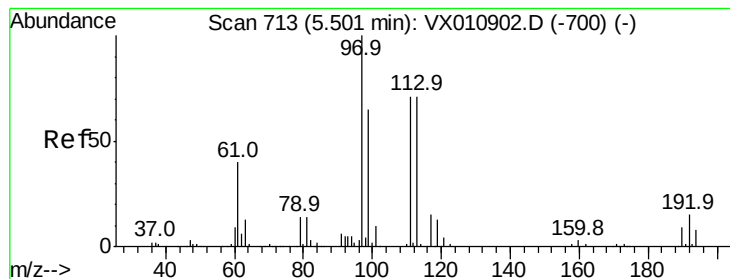
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010968.D
 Acq: 18 Jul 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	382896		
63	19.2	0.0	35.6	
88	15.1	0.0	29.8	





#35

Dibromofluoromethane

Concen: 48.586 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

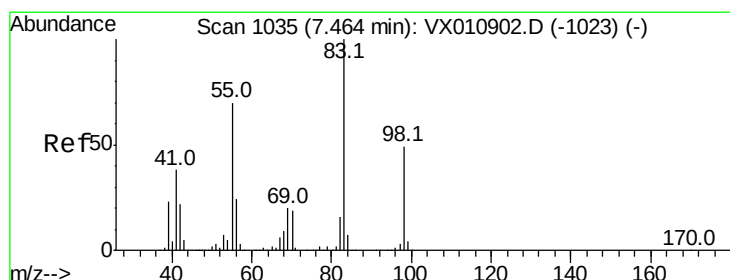
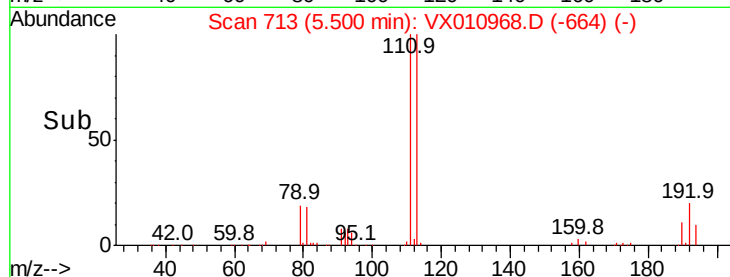
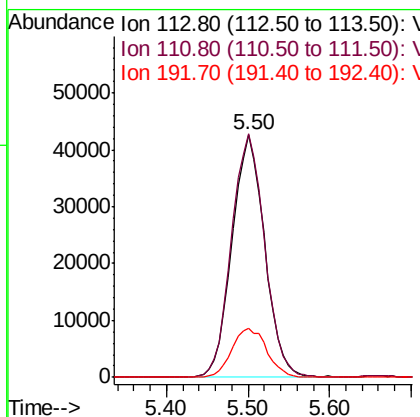
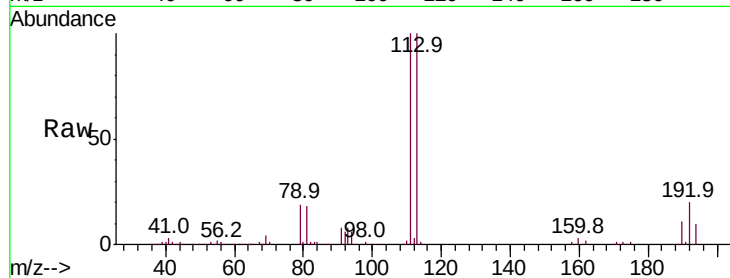
ClientSampled :

FL-0616

Tot Ion:	113	Resp:	118079
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.3	123.5
192	21.5	17.4	26.2

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#39

Methylcyclohexane

Concen: 268.162 ug/l

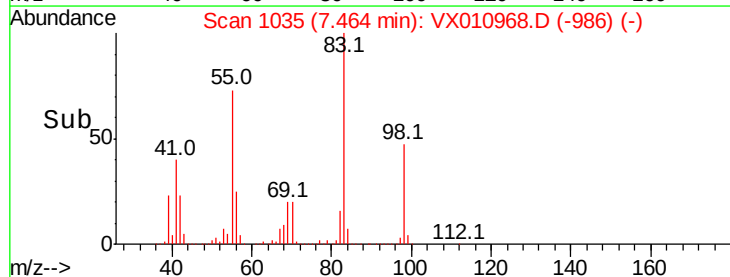
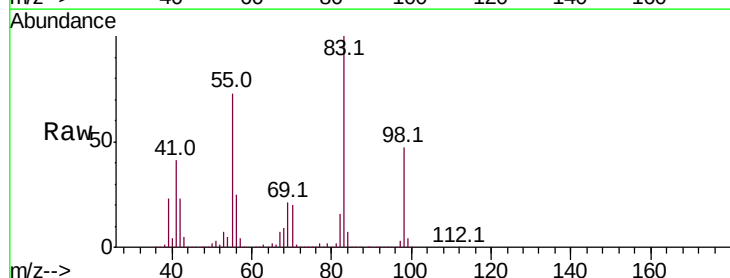
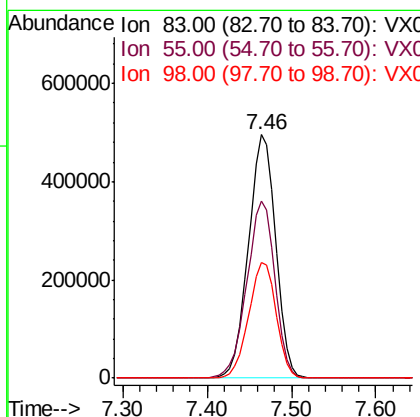
RT: 7.46 min Scan# 1035

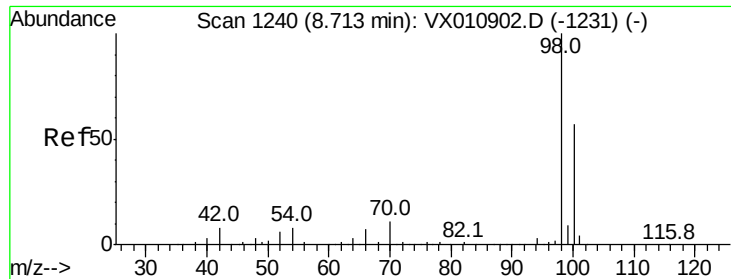
Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Tgt Ion:	83	Resp:	1093736
Ion Ratio	Lower	Upper	
83	100		
55	72.8	56.2	84.4
98	47.5	39.0	58.4





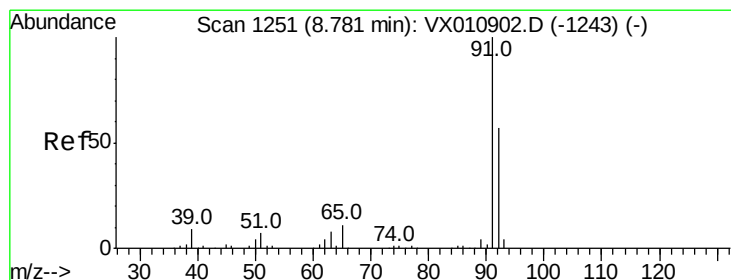
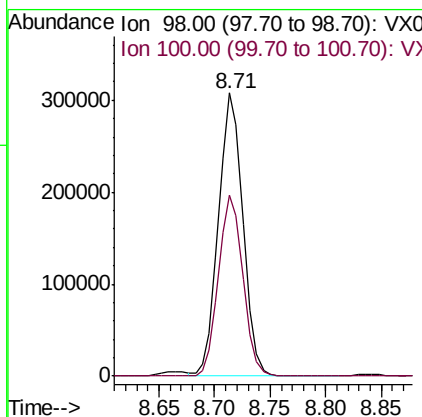
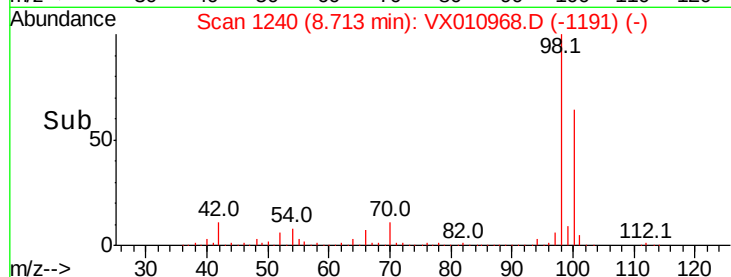
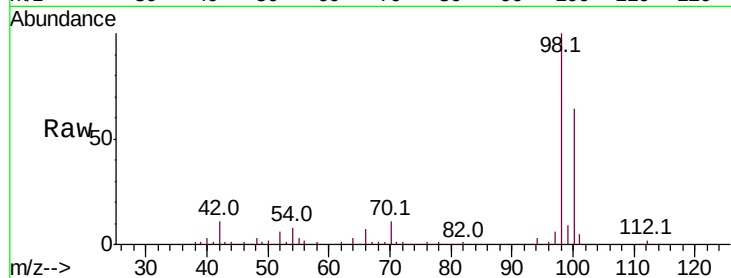
#50
Toluene-d8
Concen: 51.321 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
FL-0616

Tot Ion: 98 Resp: 467804
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8

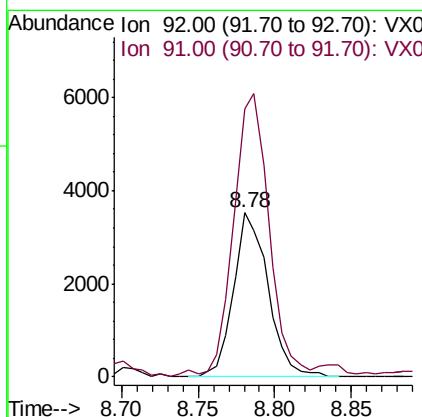
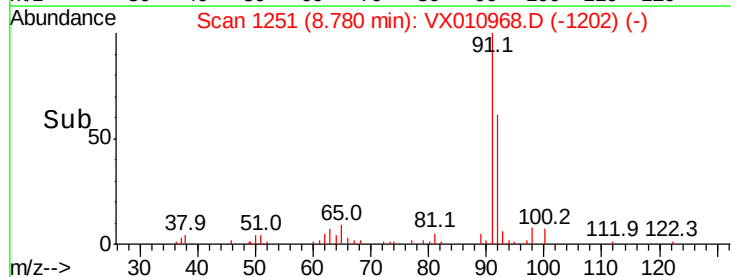
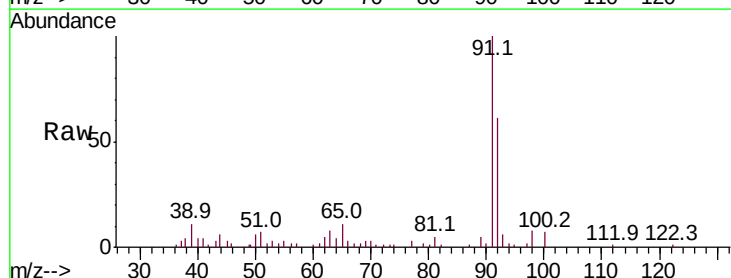
Manual Integrations
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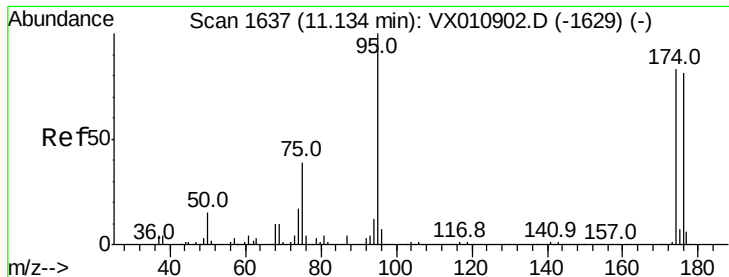
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#52
Toluene
Concen: 0.875 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion: 92 Resp: 5536
Ion Ratio Lower Upper
92 100
91 177.5 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 56.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

FL-0616

Tot Ion: 95 Resp: 187870

Ion Ratio Lower Upper

95 100

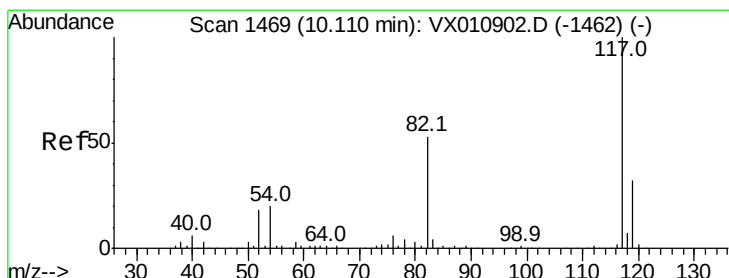
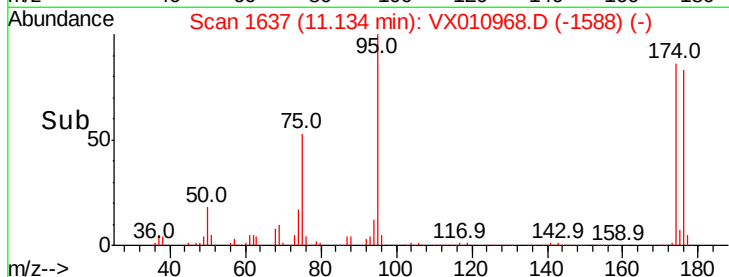
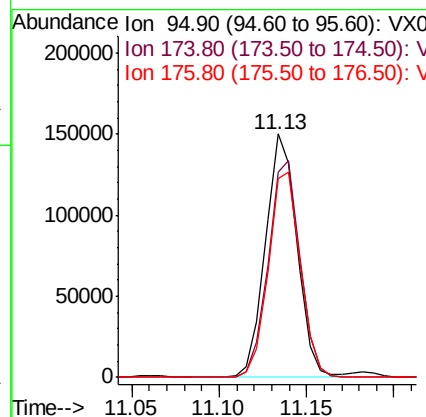
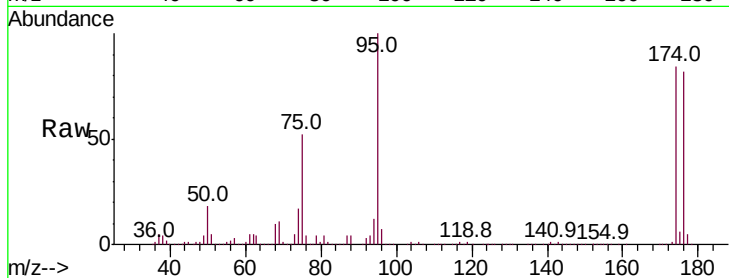
174 89.9 0.0 180.6

176 86.0 0.0 173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

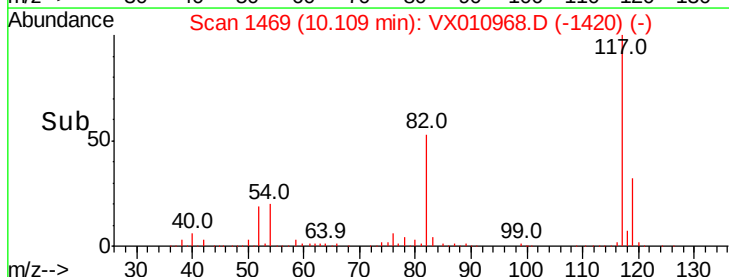
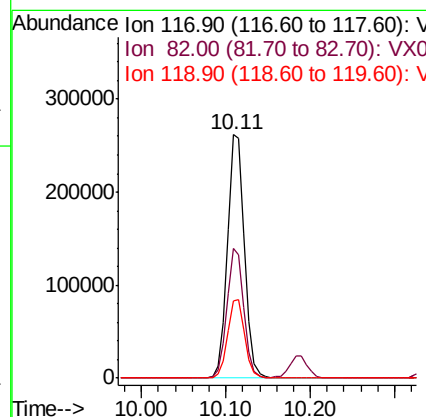
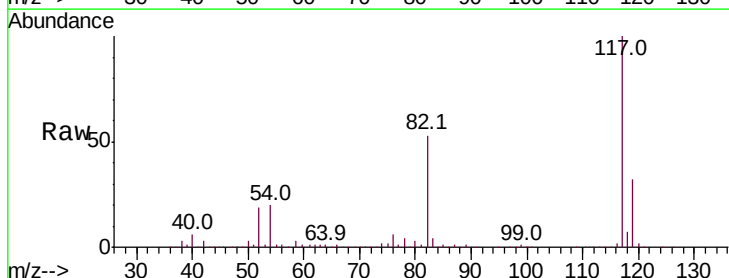
Tgt Ion: 117 Resp: 365326

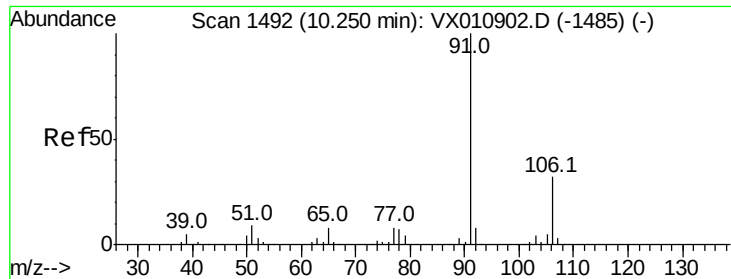
Ion Ratio Lower Upper

117 100

82 53.0 42.6 63.8

119 31.6 25.9 38.9





#67

Ethyl Benzene

Concen: 557.850 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

FL-0616

Tot Ion: 91 Resp: 7124781

Ion Ratio Lower Upper

91 100

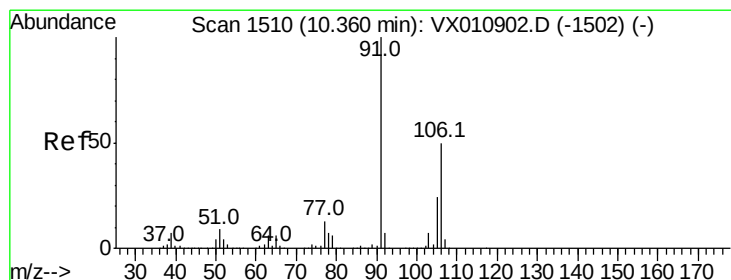
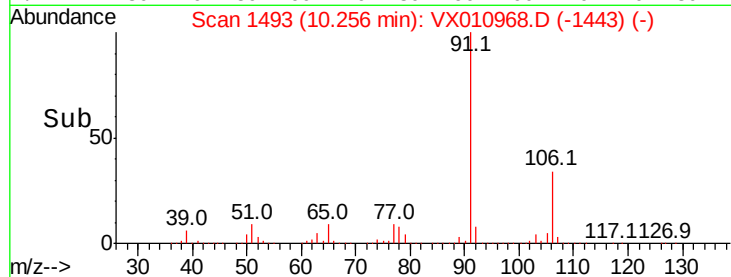
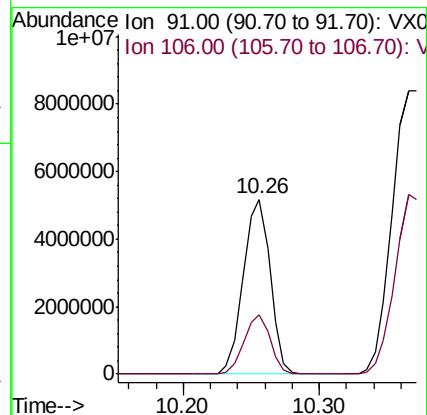
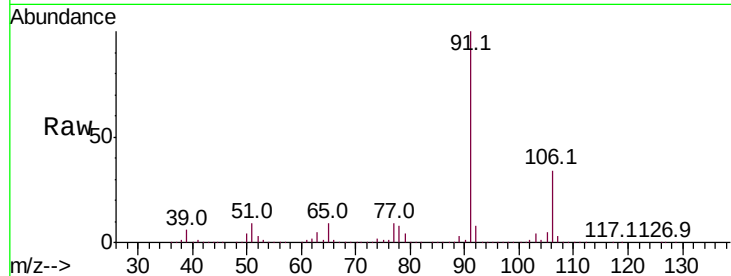
106 34.2 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 1648.261 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX010968.D

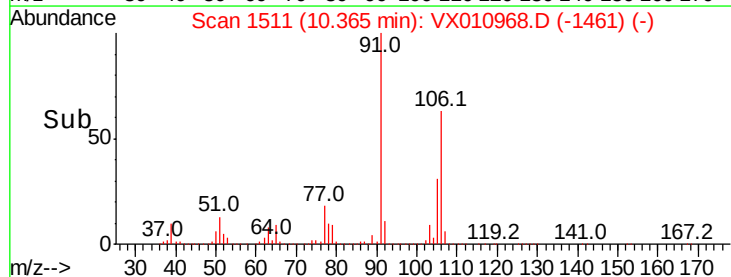
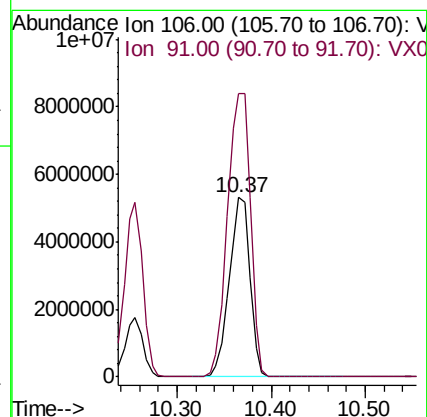
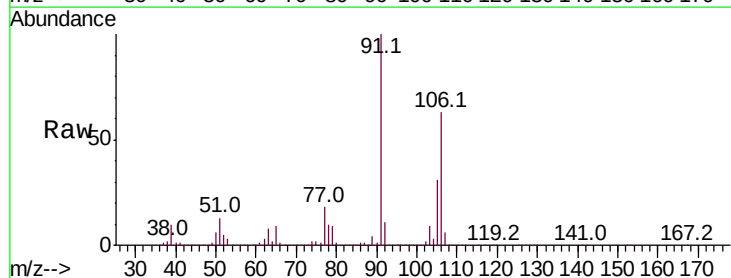
Acq: 18 Jul 2019 18:52

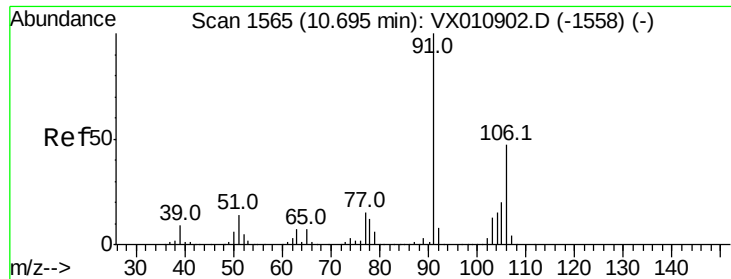
Tgt Ion: 106 Resp: 8075116

Ion Ratio Lower Upper

106 100

91 176.4 160.1 240.1





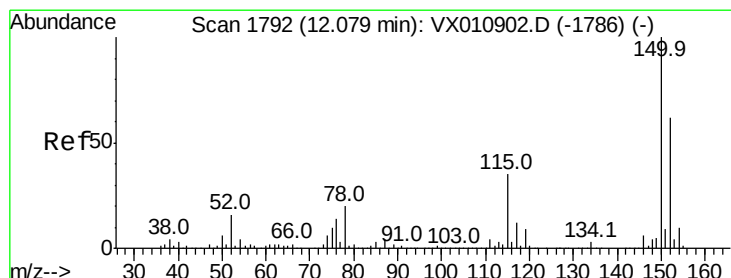
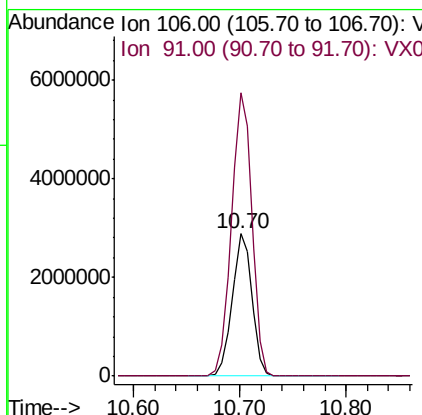
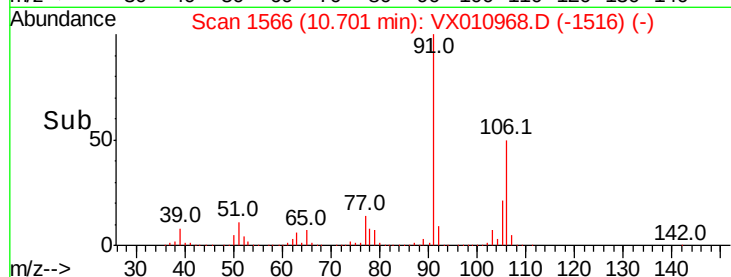
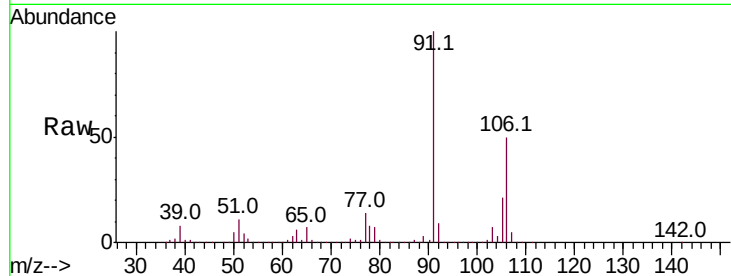
#69
o-Xylene
Concen: 786.444 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampled :
FL-0616

Tot Ion:106 Resp: 3760266
Ion Ratio Lower Upper
106 100
91 206.3 105.1 315.3

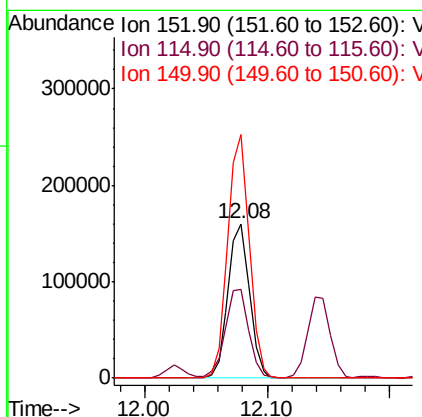
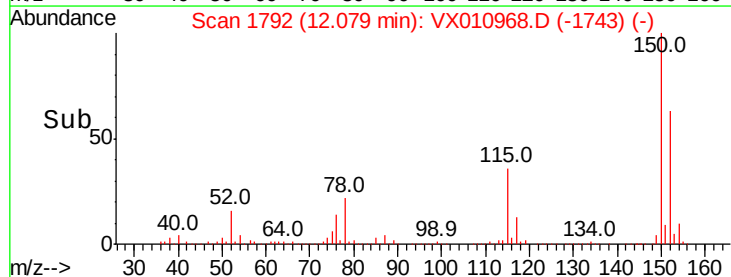
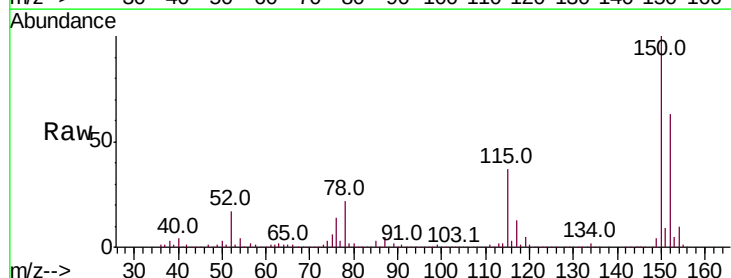
Manual Integrations
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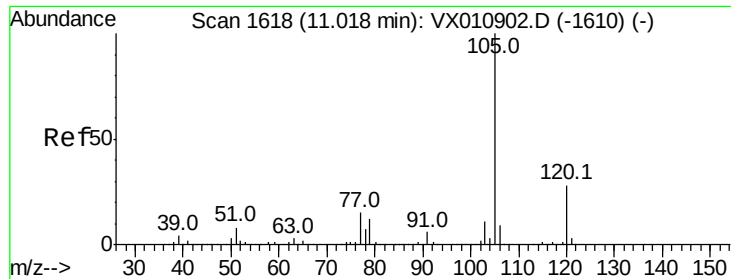
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7/22/2019 12:23:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Tgt Ion:152 Resp: 194352
Ion Ratio Lower Upper
152 100
115 62.9 39.7 119.1
150 158.0 0.0 345.6





#73

Isopropylbenzene

Concen: 52.501 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampled :

FL-0616

Tot Ion: 105 Resp: 689455

Ion Ratio Lower Upper

105 100

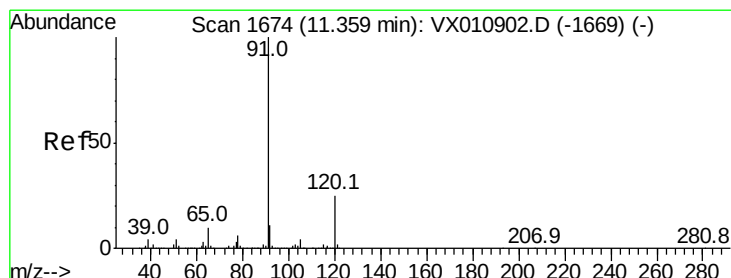
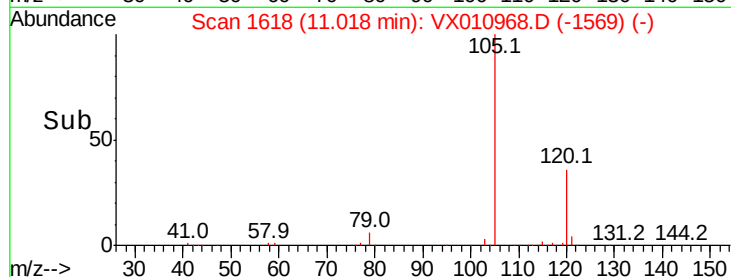
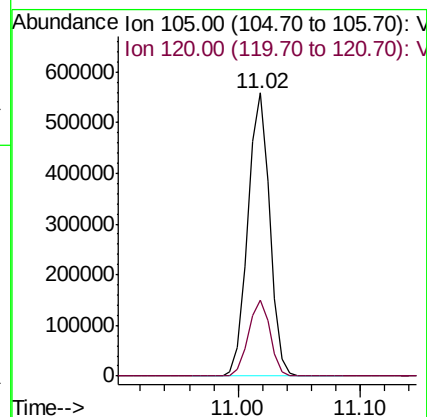
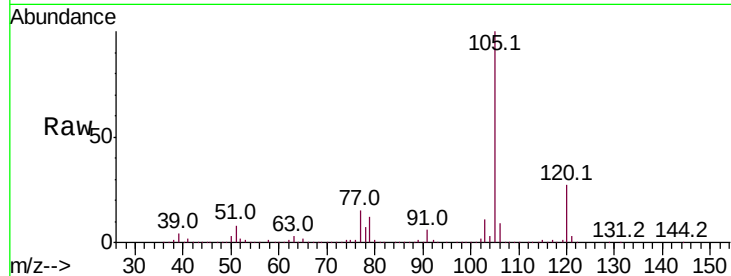
120 26.8 13.7 41.1

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#78

n-propylbenzene

Concen: 81.744 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010968.D

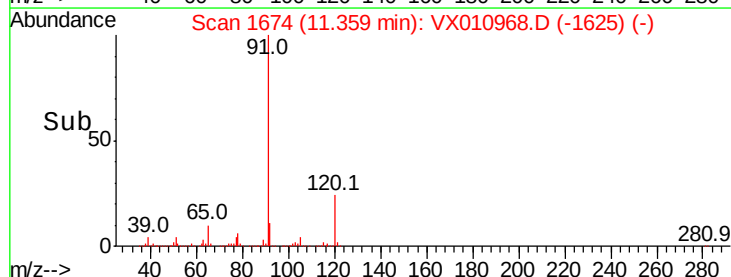
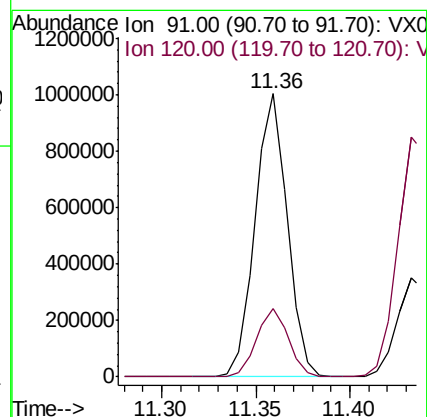
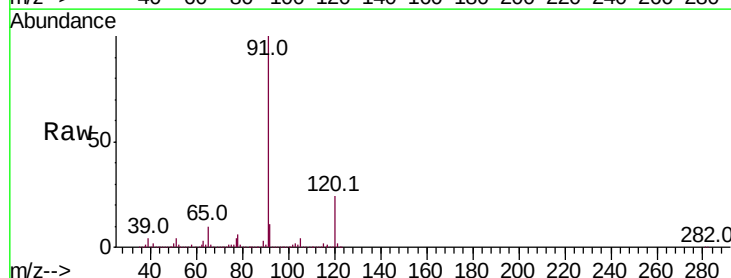
Acq: 18 Jul 2019 18:52

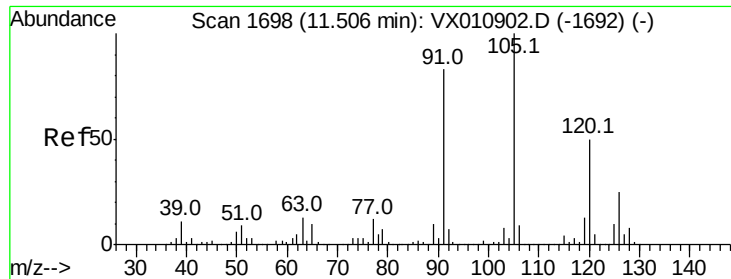
Tgt Ion: 91 Resp: 1186118

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 181.074 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampled :

FL-0616

Tot Ion:105 Resp: 1986995

Ion Ratio Lower Upper

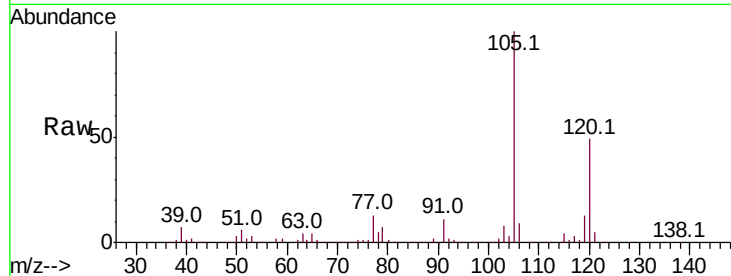
105 100

120 48.9 24.6 73.8

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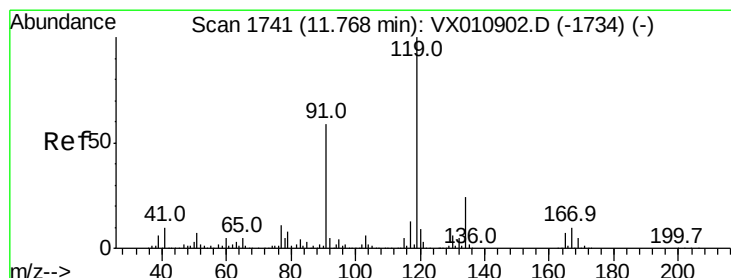
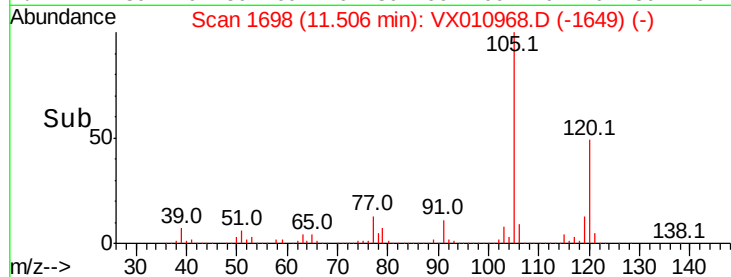
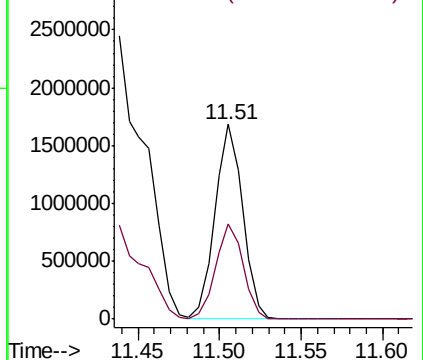
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 2.160 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

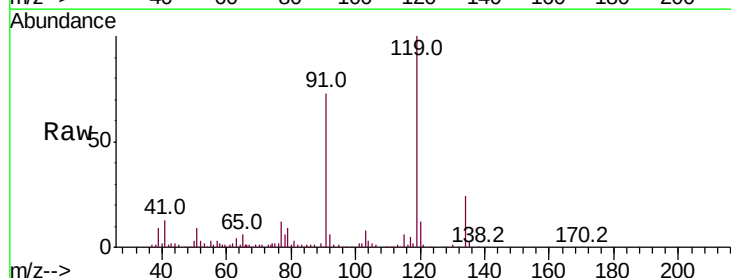
Tgt Ion:119 Resp: 23285

Ion Ratio Lower Upper

119 100

91 0.0 28.6 85.8#

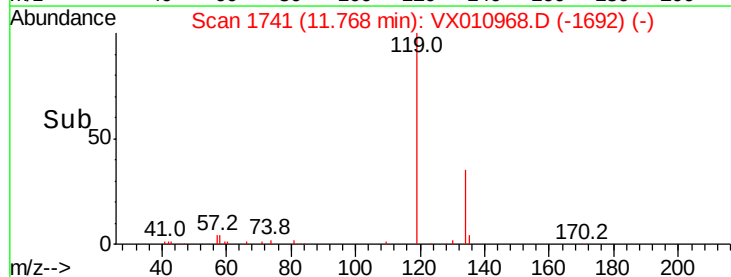
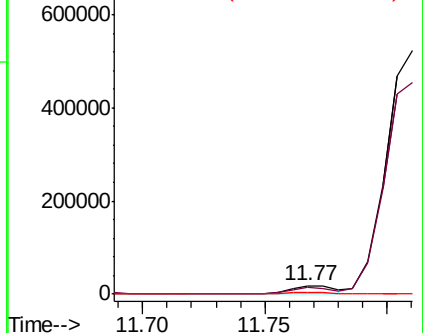
134 26.0 11.6 34.8

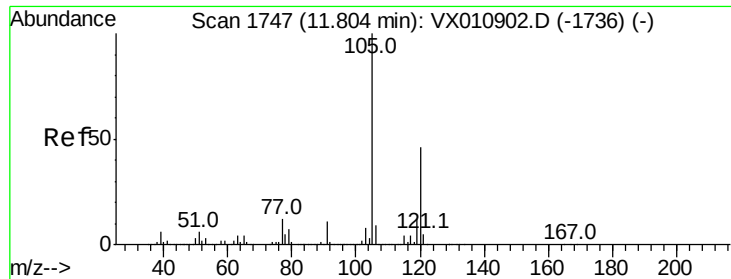


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 460.166 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010968.D

Acq: 18 Jul 2019 18:52

Instrument :

MSVOA_X

ClientSampleId :

FL-0616

Tot Ion:105 Resp: 5089470

Ion Ratio Lower Upper

105 100

120 46.7

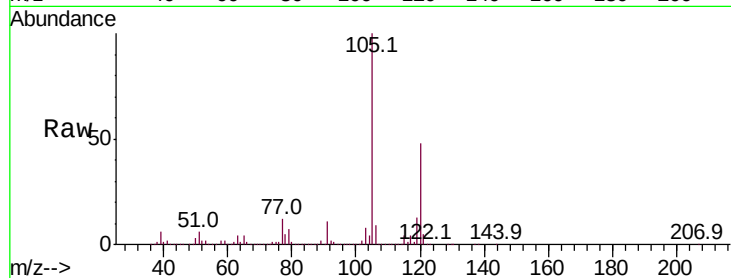
22.9 68.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

4000000

3000000

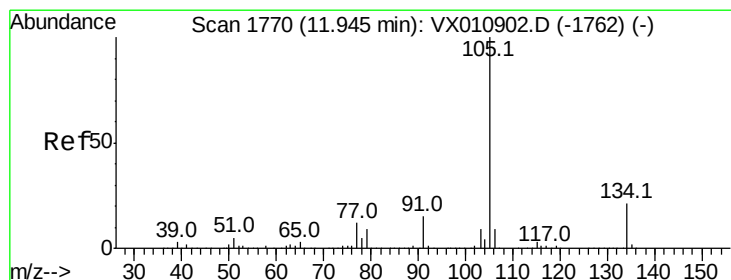
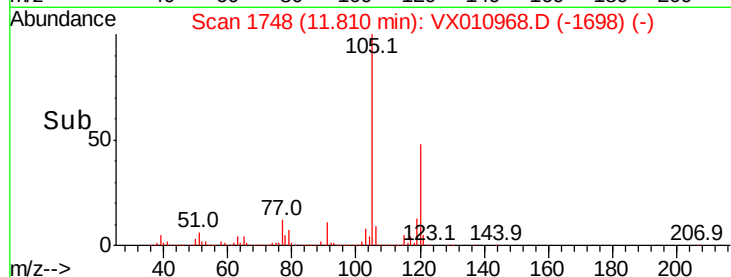
2000000

1000000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 9.190 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010968.D

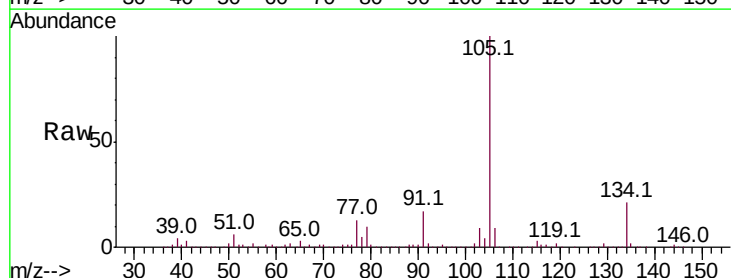
Acq: 18 Jul 2019 18:52

Tgt Ion:105 Resp: 116069

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

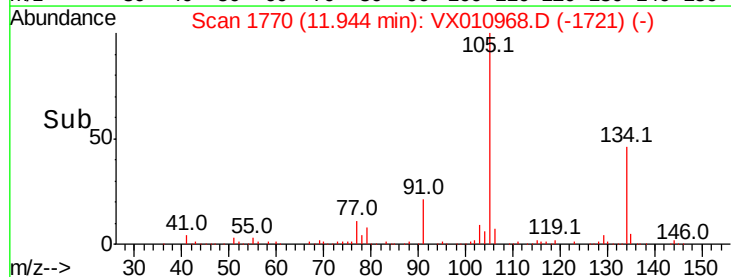
40000

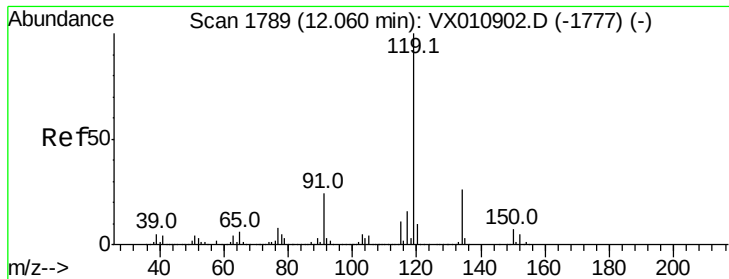
20000

0

11.90 11.95

Time-->





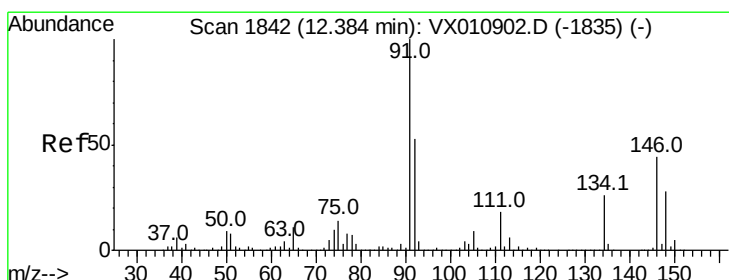
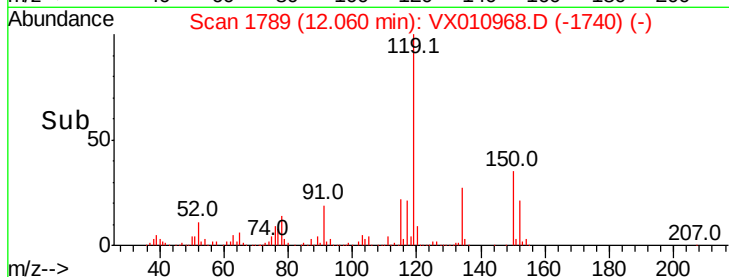
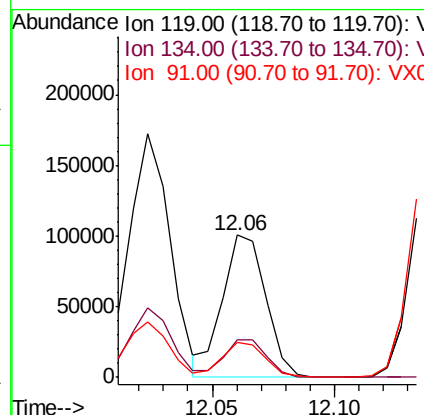
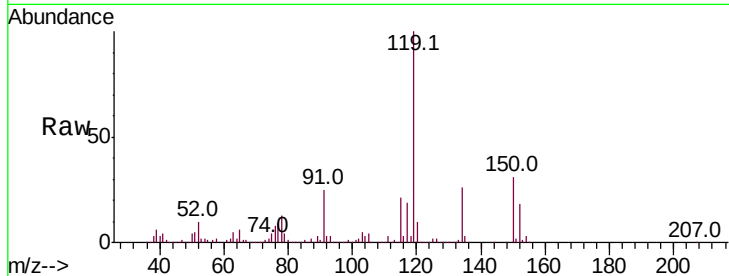
#86
 p-Isopropyltoluene
 Concen: 10.627 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010968.D
 Acq: 18 Jul 2019 18:52

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0616

Tot Ion	Ratio	Resp	Lower	Upper
119	100	124079		
134	25.4		13.4	40.1
91	24.3		11.8	35.4

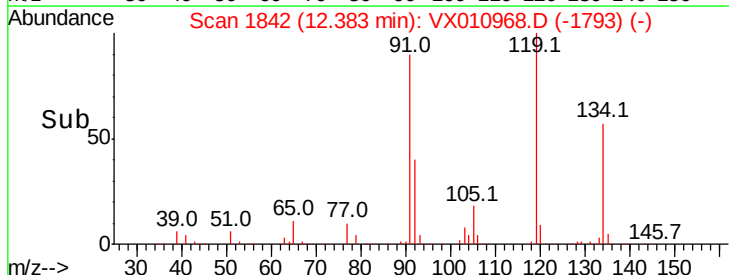
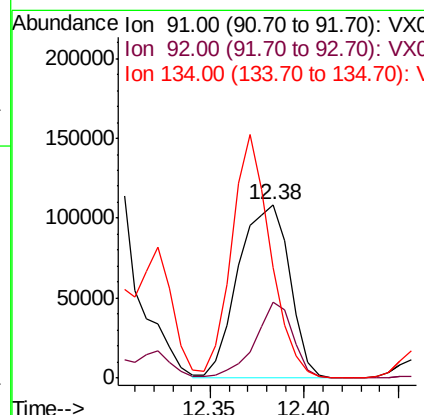
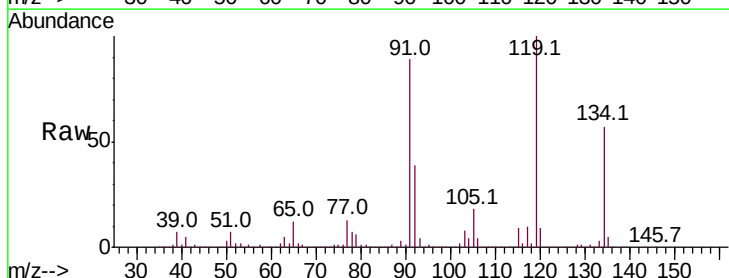
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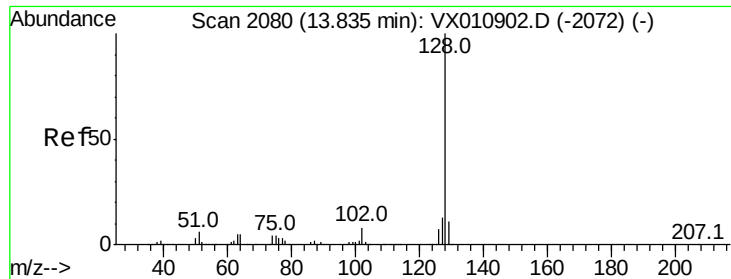
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#89
 n-Butylbenzene
 Concen: 20.441 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX010968.D
 Acq: 18 Jul 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	204188		
92	32.4		26.2	78.5
134	105.8		13.8	41.3#





#95
Naphthalene
Concen: 288.880 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010968.D
Acq: 18 Jul 2019 18:52

Instrument :
MSVOA_X
ClientSampleId :
FL-0616

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	8.9	13.3

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