

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010964.D
 Acq On : 18 Jul 2019 17:19
 Operator : JC/SP
 Sample : K3884-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0606

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:23:05 PM

Quant Time: Jul 19 04:09:00 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	235029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367181	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192873	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125840	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
35) Dibromofluoromethane	5.50	113	112767	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	451163	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	173637	54.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.08%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	1743341	513.518	ug/l	99
39) Methylcyclohexane	7.46	83	1613381	412.498	ug/l	98
52) Toluene	8.78	92	223549	36.833	ug/l	100
67) Ethyl Benzene	10.25	91	1974042	161.184	ug/l	100
68) m/p-Xylenes	10.36	106	3123201	664.810	ug/l	99
69) o-Xylene	10.69	106	727589	158.692	ug/l	98
73) Isopropylbenzene	11.02	105	684022	52.486	ug/l	99
78) n-propylbenzene	11.36	91	1285088	89.244	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2815550	258.547	ug/l	100
83) tert-Butylbenzene	11.77	119	57365	5.363	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	6513379	593.425	ug/l	98
85) sec-Butylbenzene	11.94	105	101090m	8.066	ug/l	
86) p-Isopropyltoluene	12.06	119	108399	9.355	ug/l	99
89) n-Butylbenzene	12.38	91	243123	24.525	ug/l #	30
95) Naphthalene	13.83	128	1137965	91.970	ug/l	100

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

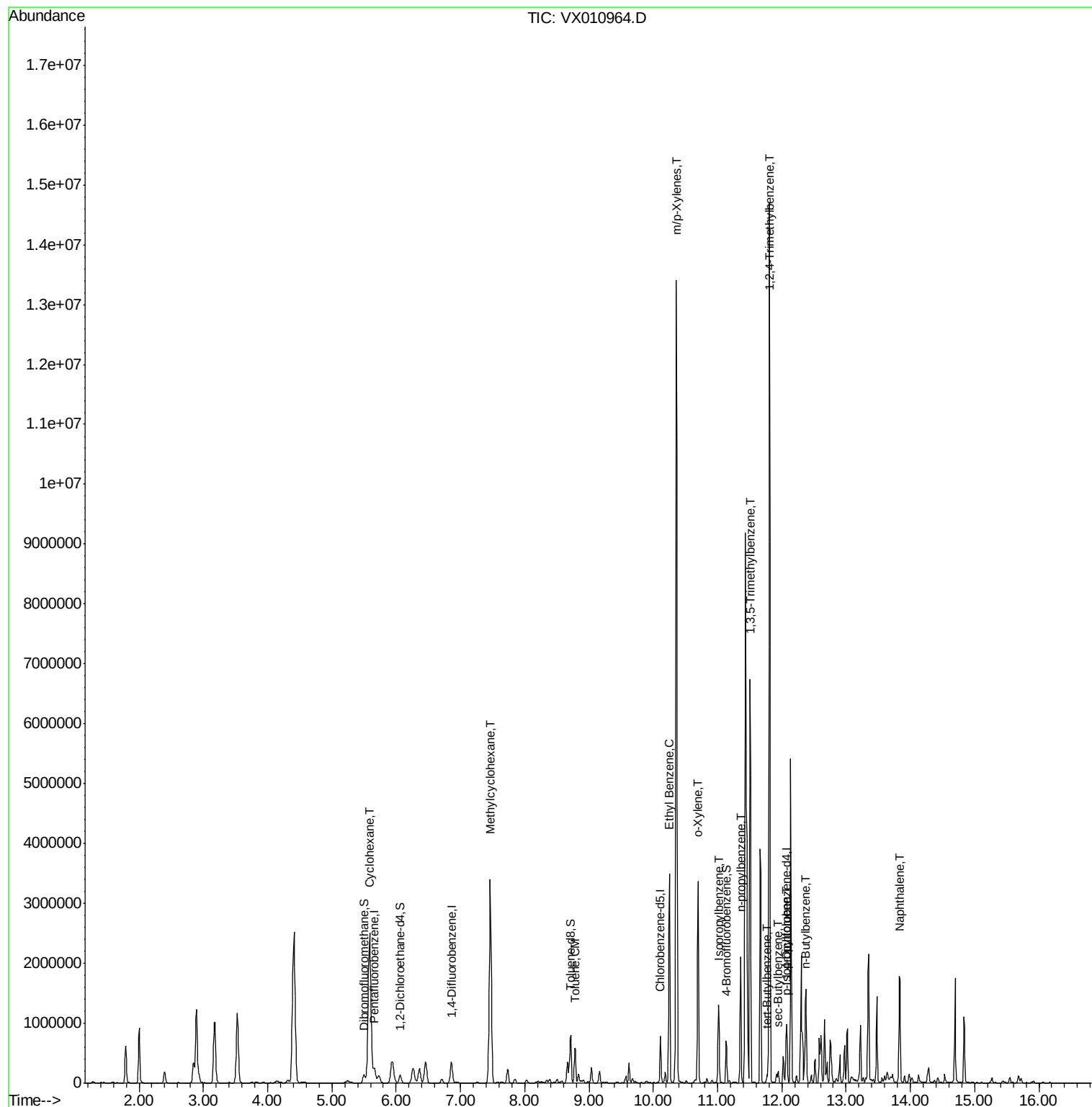
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010964.D
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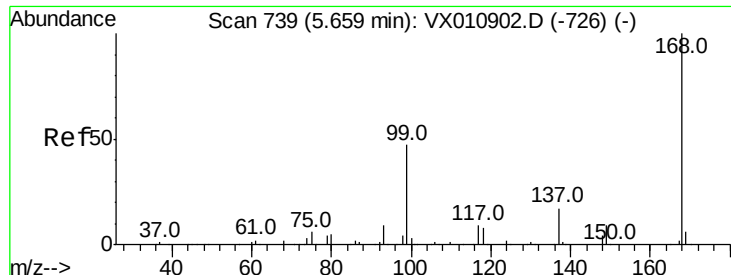
Instrument :
MSVOA_X
ClientSampleId :
FL-0606

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Quant Time: Jul 19 04:09:00 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampled :

FL-0606

Tot Ion:168 Resp: 235029

Ion Ratio Lower Upper

168 100

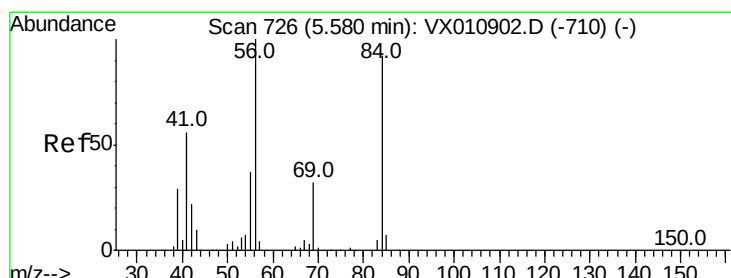
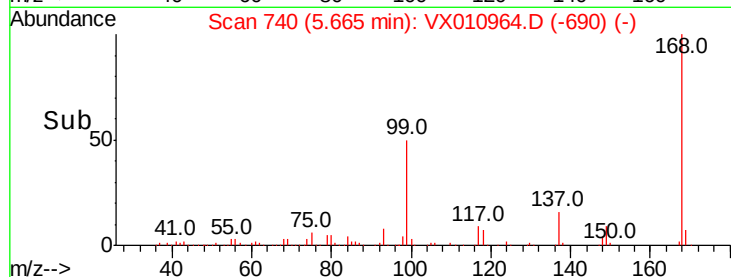
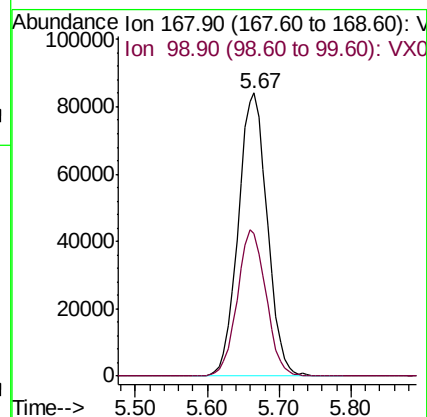
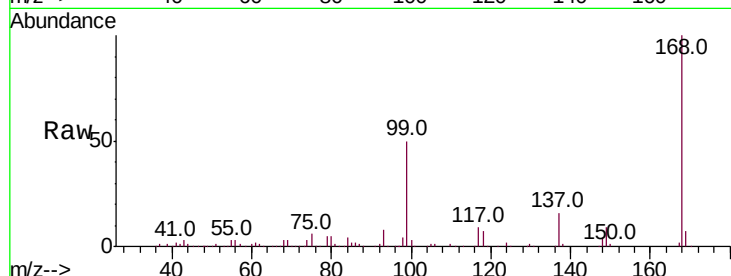
99 50.2 37.6 56.4

Manual Integrations

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#31

Cyclohexane

Concen: 513.518 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

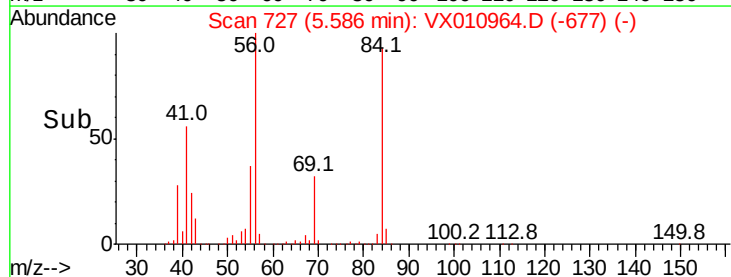
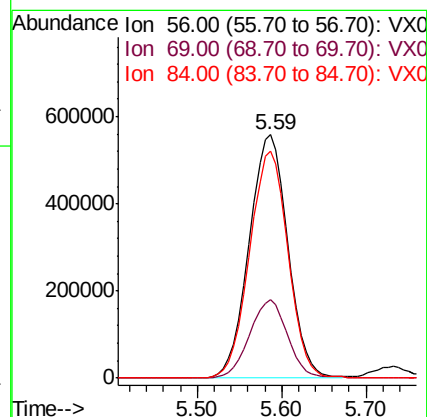
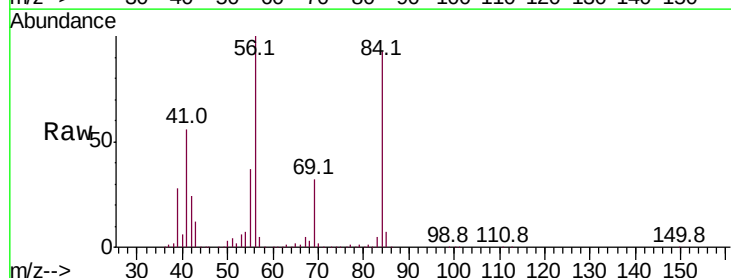
Tgt Ion: 56 Resp: 1743341

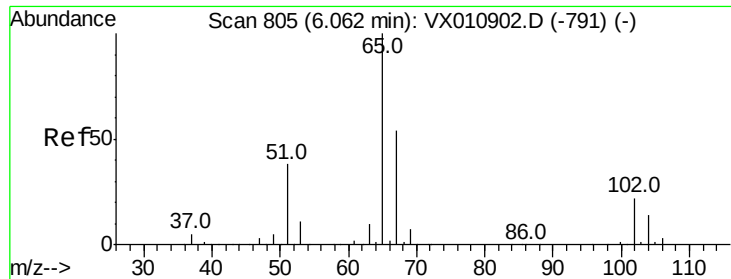
Ion Ratio Lower Upper

56 100

69 32.0 25.8 38.8

84 93.5 73.8 110.6





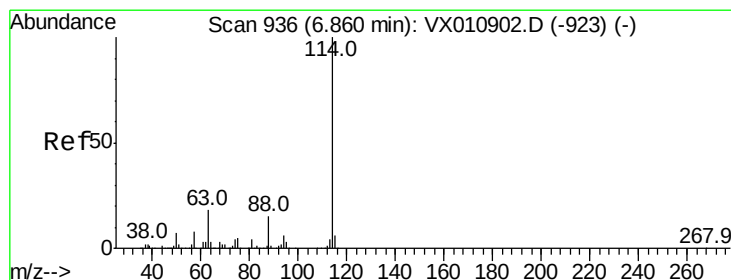
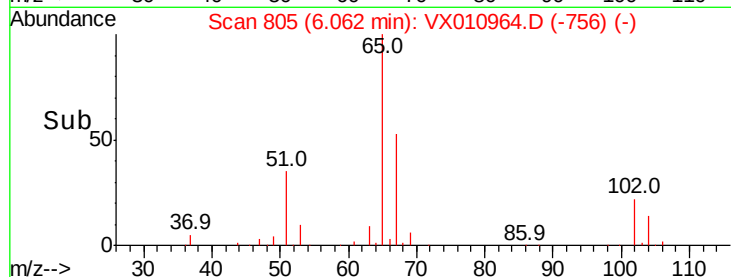
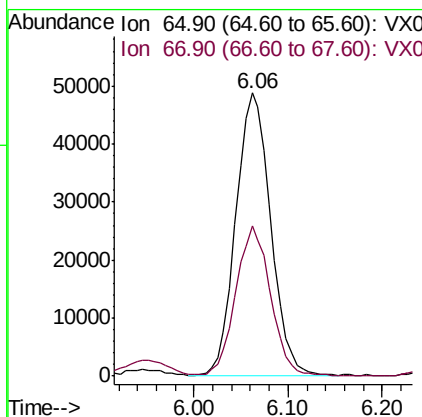
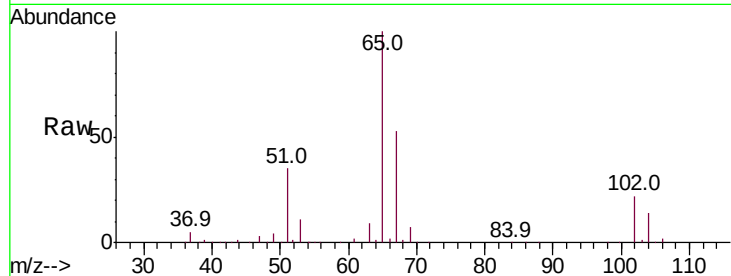
#33
 1,2-Dichloroethane-d4
 Concen: 50.329 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0606

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125840		
67	52.8	0.0	107.8	

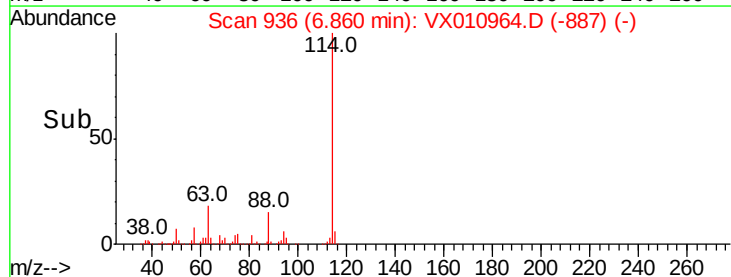
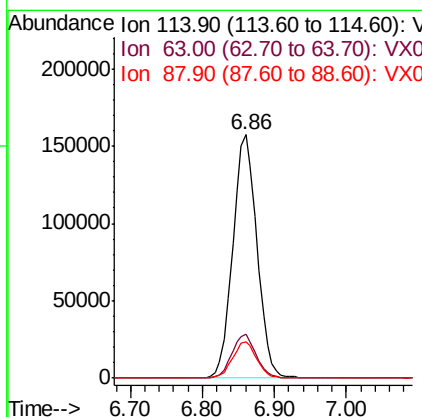
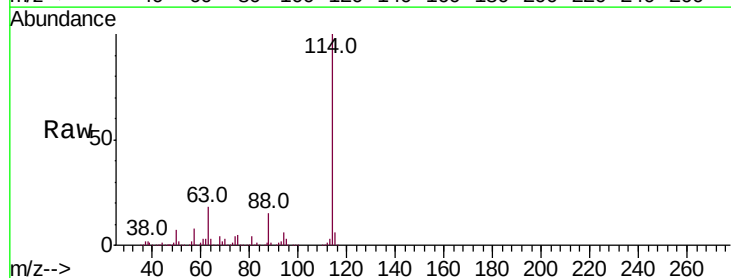
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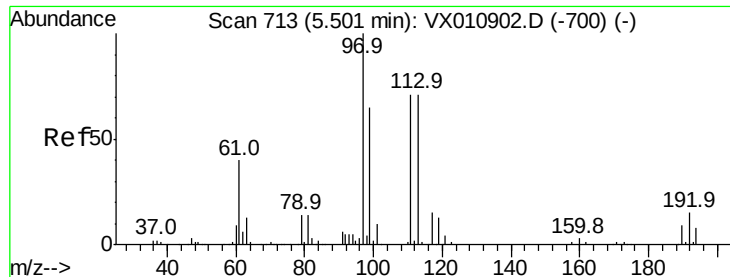
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367181		
63	18.3	0.0	35.6	
88	14.7	0.0	29.8	





#35

Dibromofluoromethane

Concen: 48.386 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

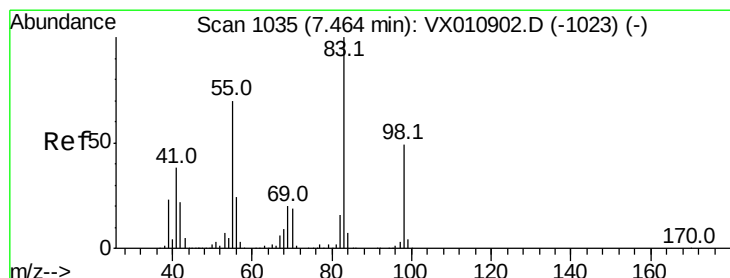
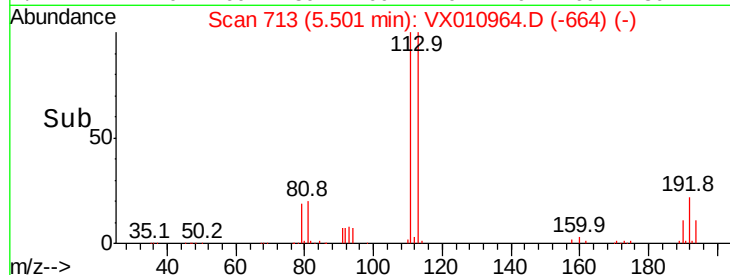
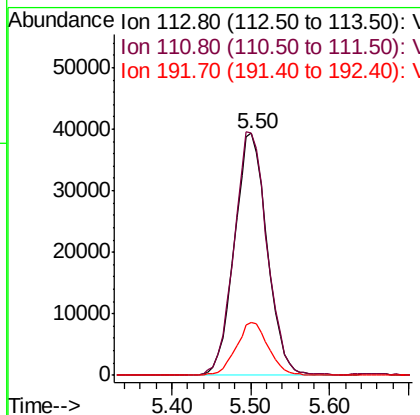
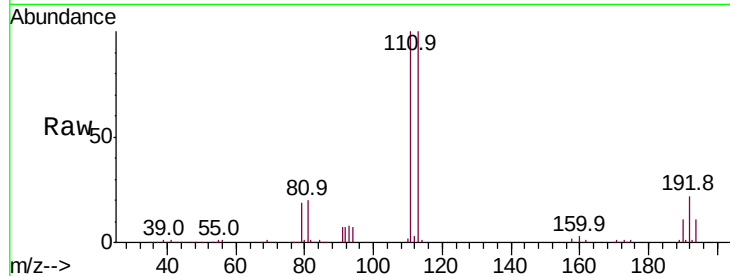
ClientSampled :

FL-0606

Tot Ion:	113	Resp:	112767
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.3	123.5
192	21.5	17.4	26.2

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#39

Methylcyclohexane

Concen: 412.498 ug/l

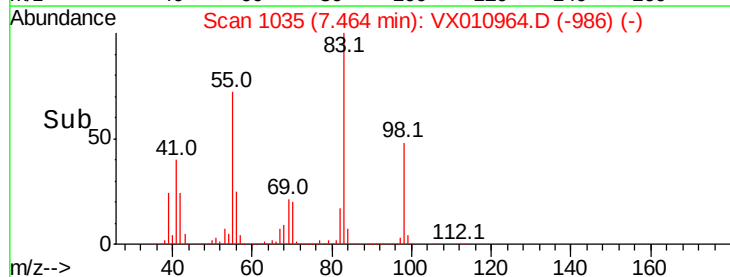
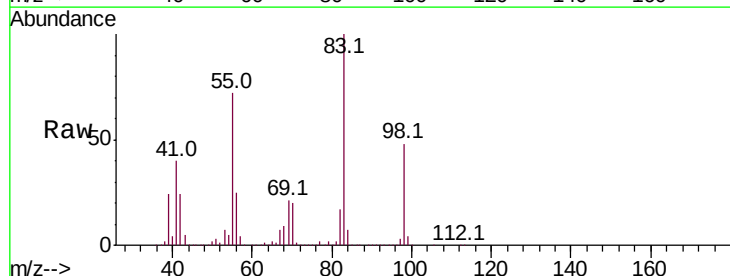
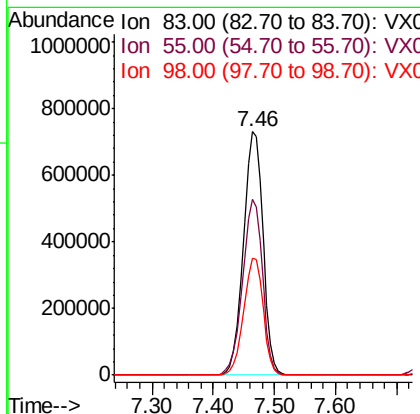
RT: 7.46 min Scan# 1035

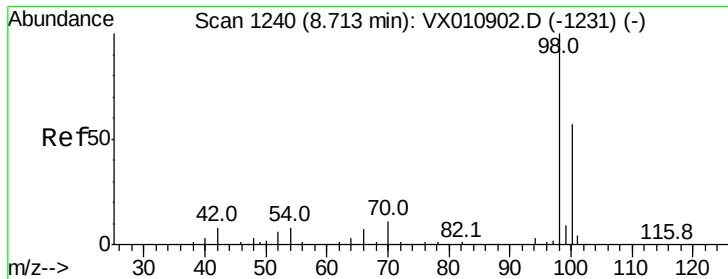
Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Tgt Ion:	83	Resp:	1613381
Ion	Ratio	Lower	Upper
83	100		
55	72.4	56.2	84.4
98	47.9	39.0	58.4





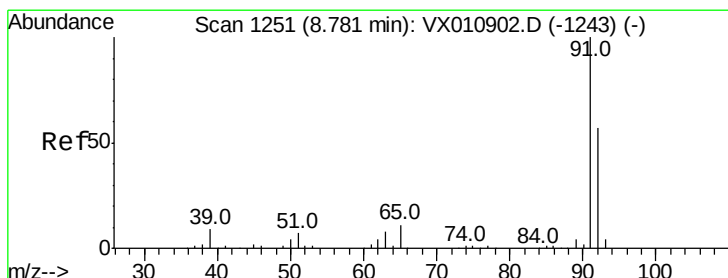
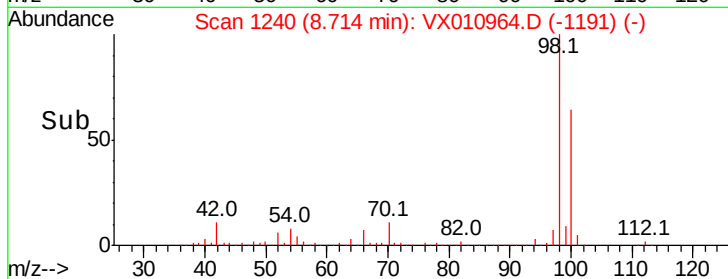
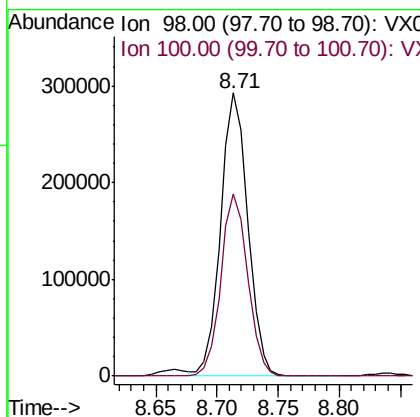
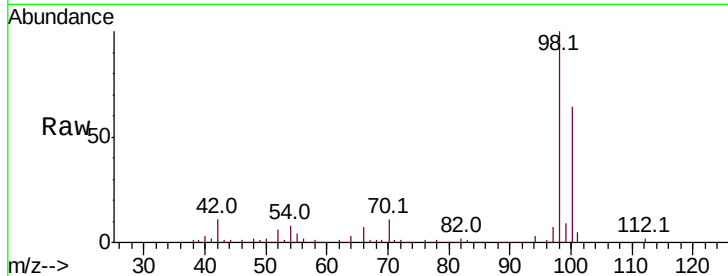
#50
Toluene-d8
Concen: 51.614 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
FL-0606

Tot Ion: 98 Resp: 451163
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8

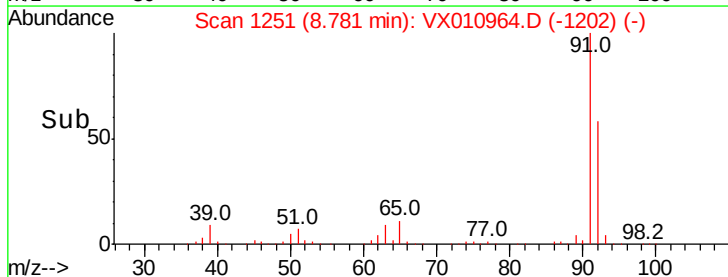
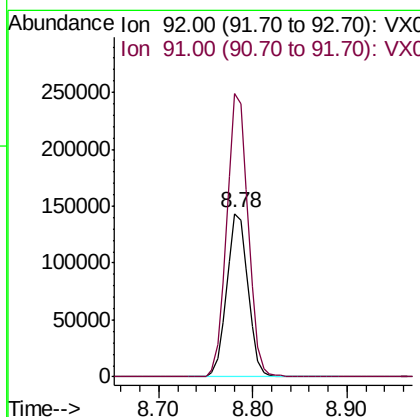
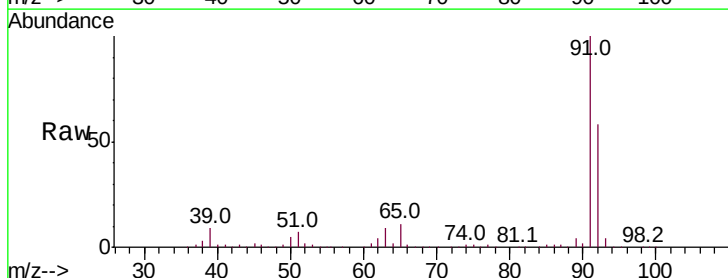
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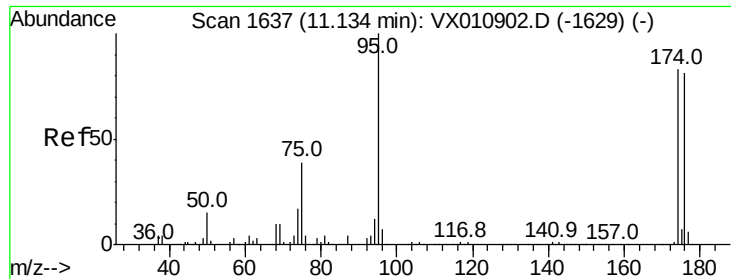
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#52
Toluene
Concen: 36.833 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 92 Resp: 223549
Ion Ratio Lower Upper
92 100
91 174.9 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 54.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

FL-0606

Tot Ion: 95 Resp: 173637

Ion Ratio Lower Upper

95 100

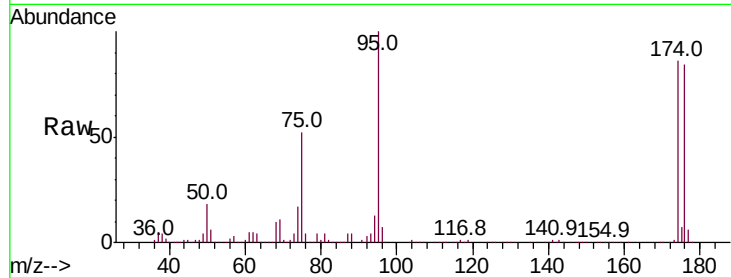
174 89.6 0.0 180.6

176 88.3 0.0 173.8

Manual Integrations
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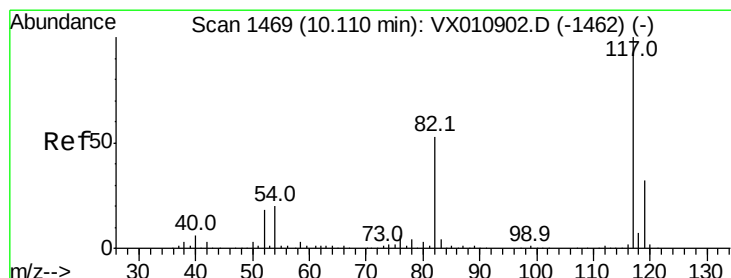
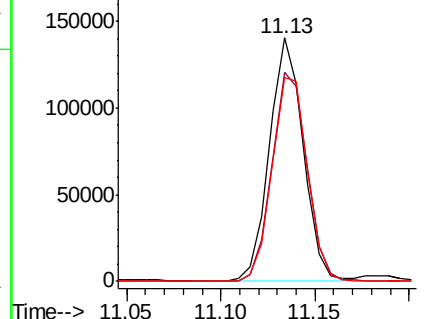
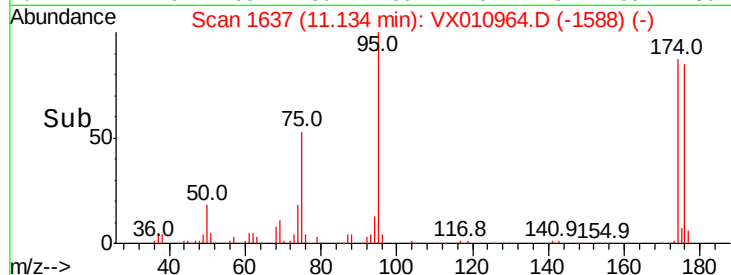


Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)

Time--> 11.05 11.10 11.15



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

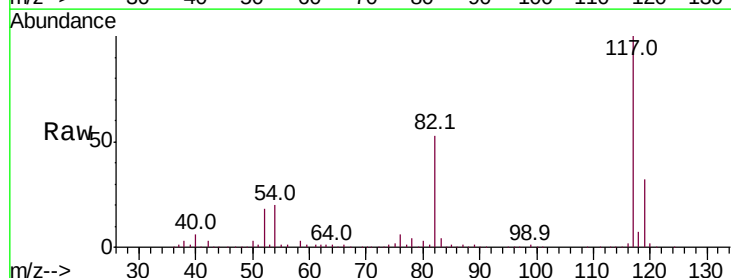
Tgt Ion: 117 Resp: 350316

Ion Ratio Lower Upper

117 100

82 52.8 42.6 63.8

119 31.8 25.9 38.9

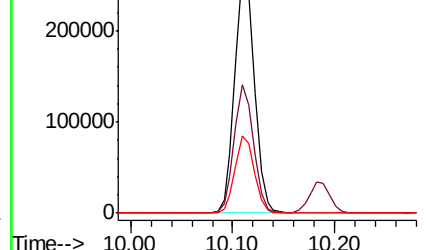
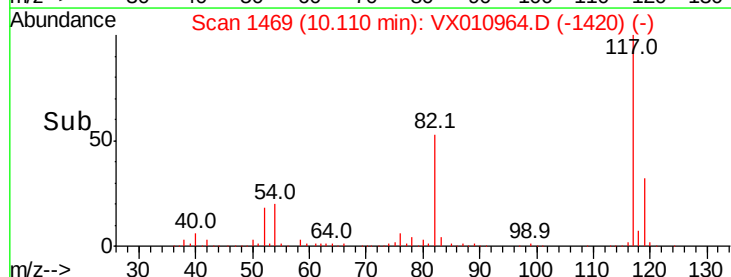


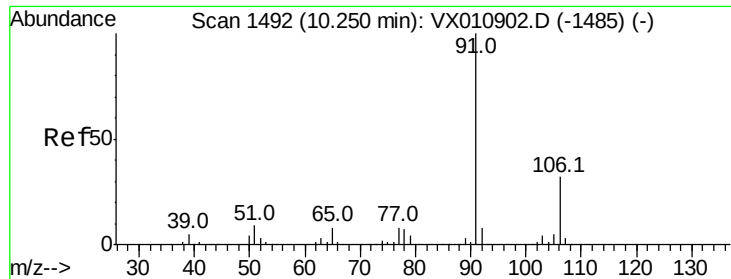
Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)

Time--> 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 161.184 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampled :

FL-0606

Tot Ion: 91 Resp: 1974042

Ion Ratio Lower Upper

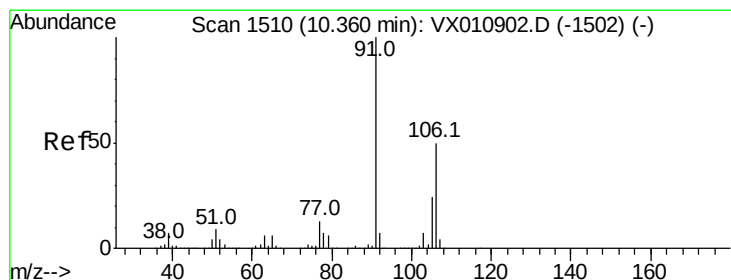
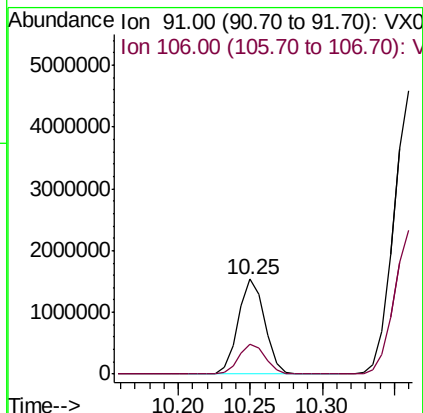
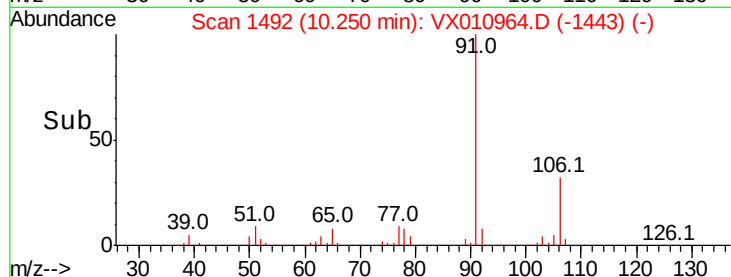
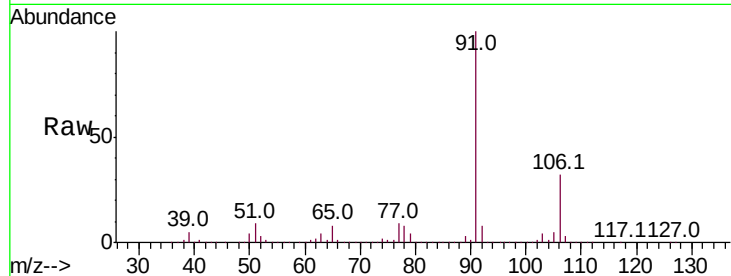
91 100

106 31.9 25.4 38.2

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#68

m/p-Xylenes

Concen: 664.810 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010964.D

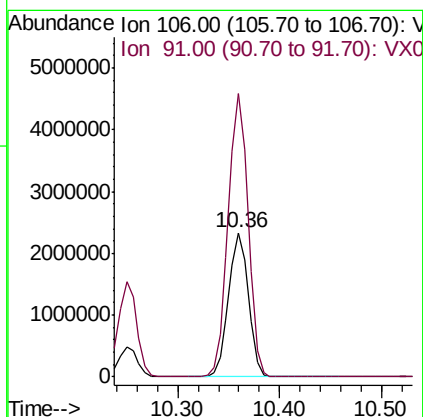
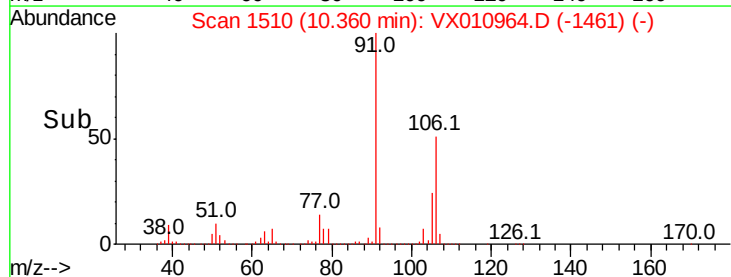
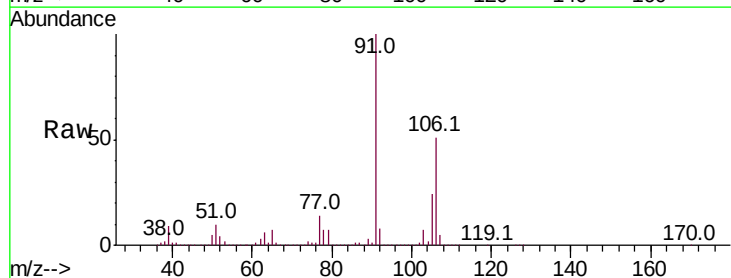
Acq: 18 Jul 2019 17:19

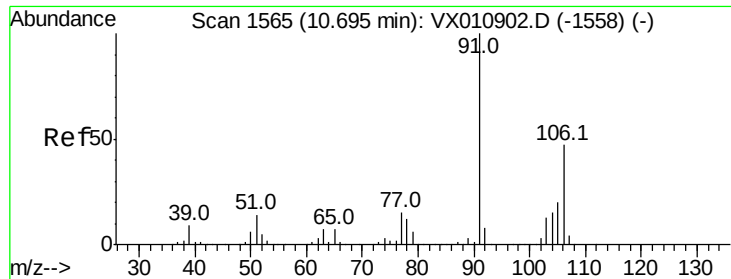
Tgt Ion: 106 Resp: 3123201

Ion Ratio Lower Upper

106 100

91 198.4 160.1 240.1





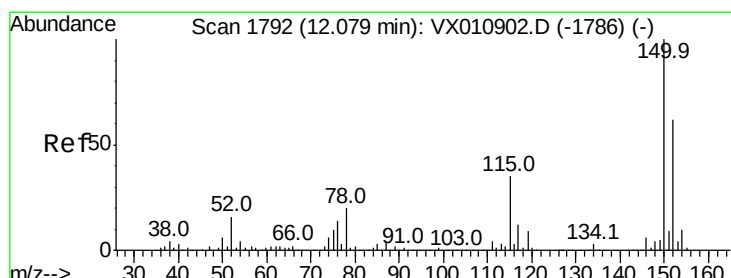
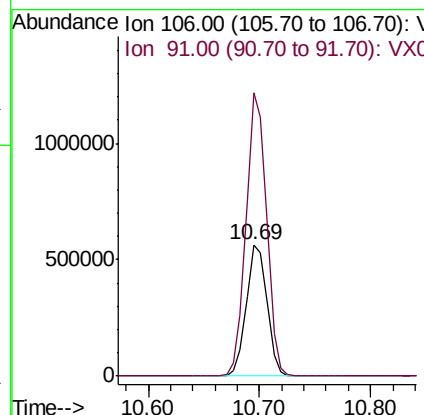
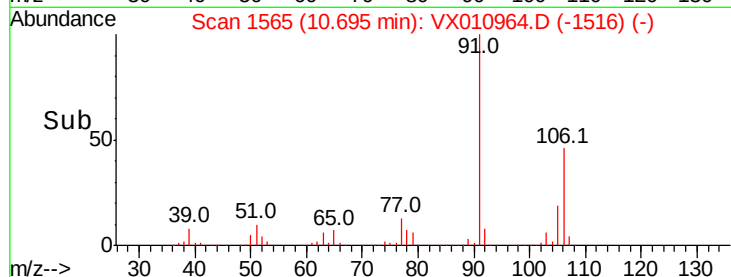
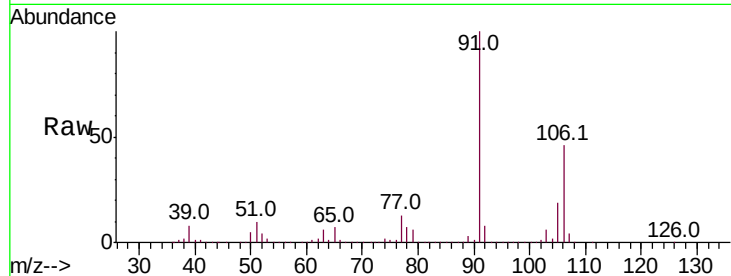
#69
o-Xylene
Concen: 158.692 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampled :
FL-0606

Tot Ion:106 Resp: 727589
Ion Ratio Lower Upper
106 100
91 213.8 105.1 315.3

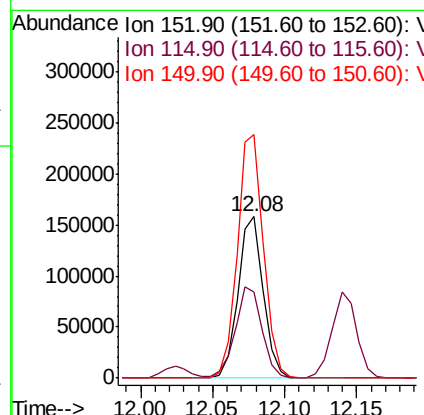
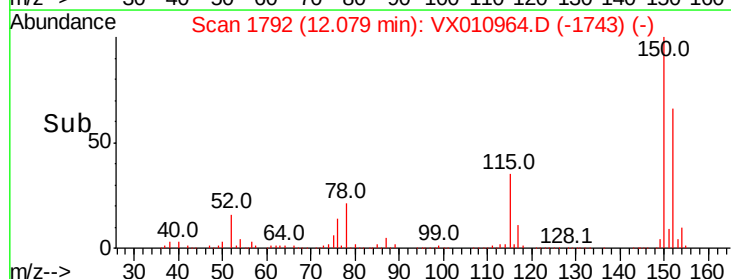
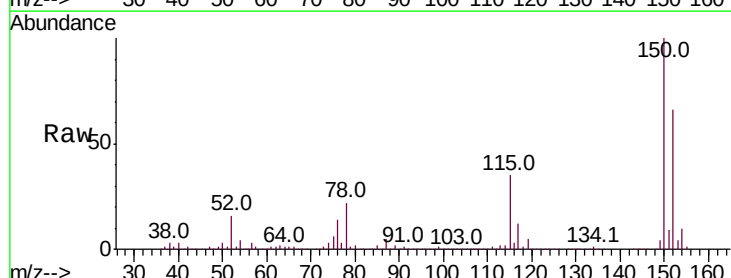
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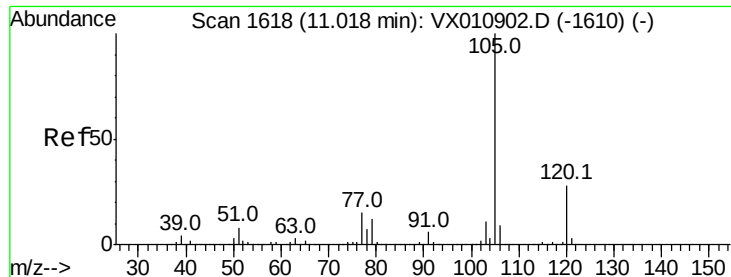
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion:152 Resp: 192873
Ion Ratio Lower Upper
152 100
115 60.3 39.7 119.1
150 156.0 0.0 345.6





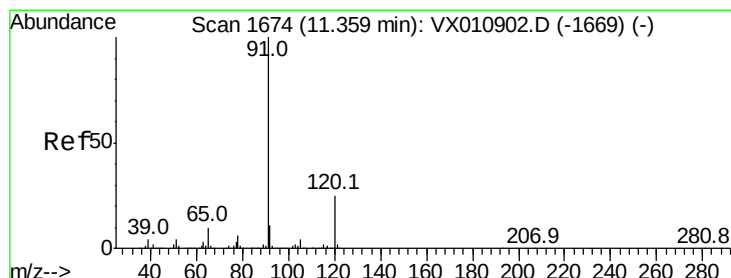
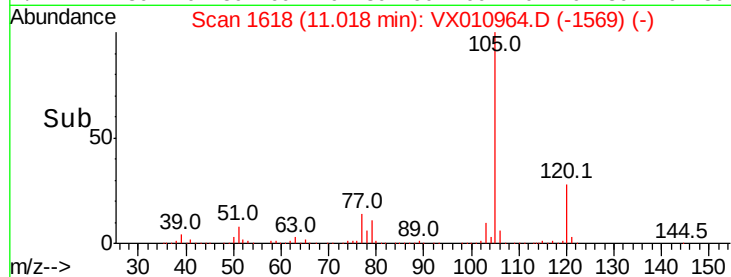
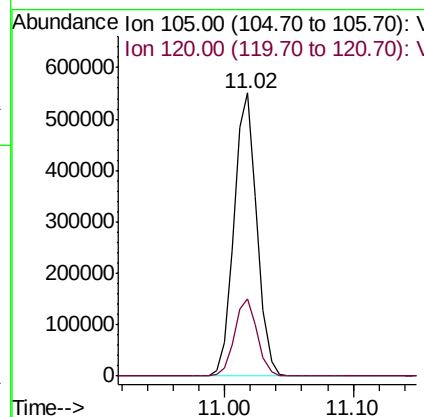
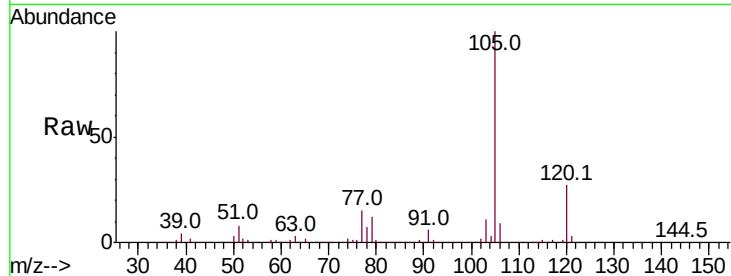
#73
Isopropylbenzene
Concen: 52.486 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
FL-0606

Tot Ion:105 Resp: 684022
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1

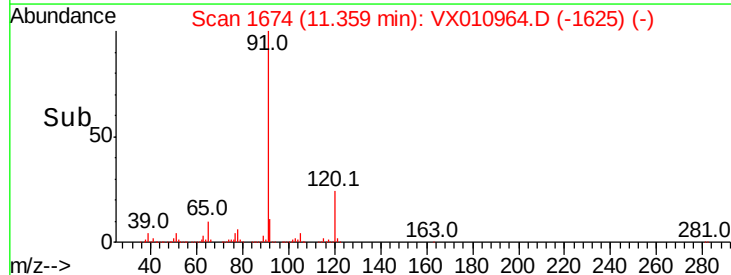
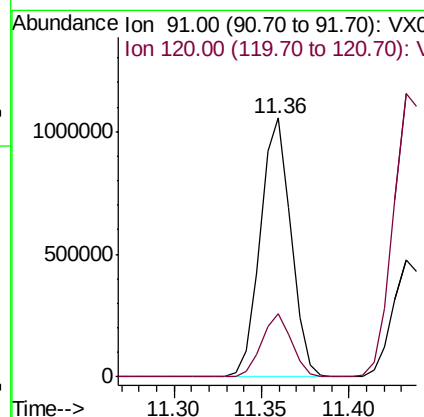
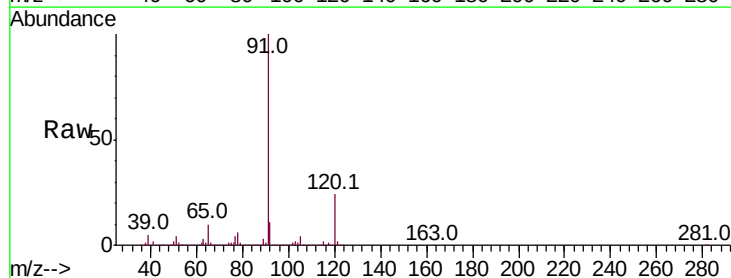
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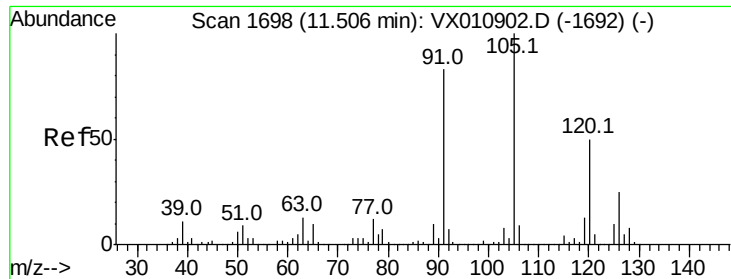
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#78
n-propylbenzene
Concen: 89.244 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 91 Resp: 1285088
Ion Ratio Lower Upper
91 100
120 23.8 12.3 36.8





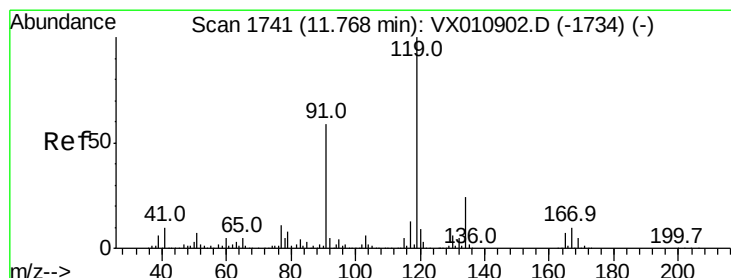
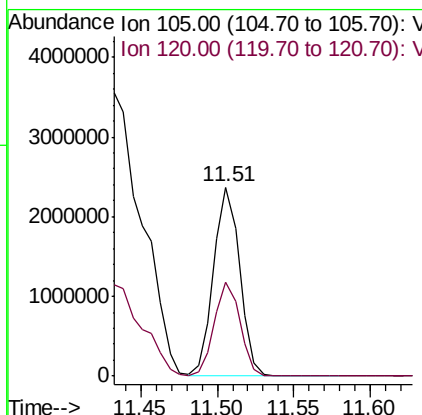
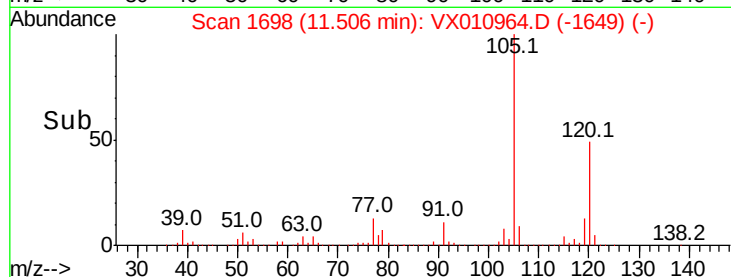
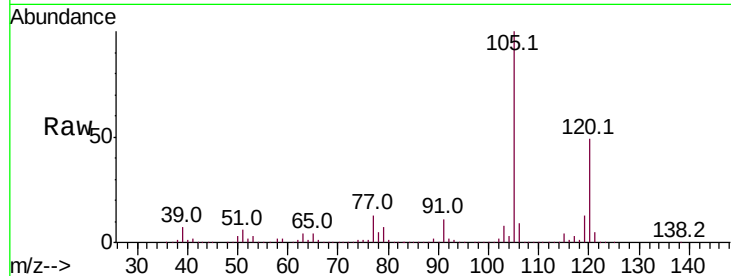
#80
1,3,5-Trimethylbenzene
Concen: 258.547 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
FL-0606

Tot Ion:105 Resp: 2815550
Ion Ratio Lower Upper
105 100
120 49.1 24.6 73.8

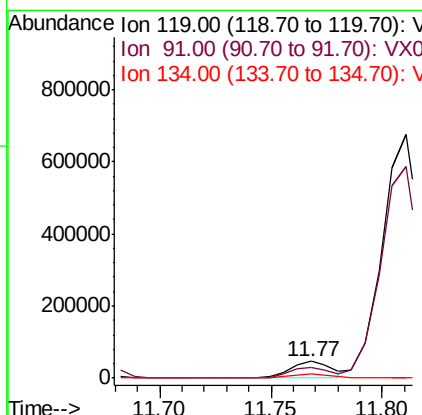
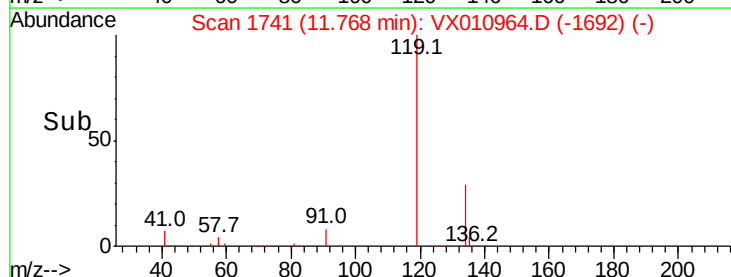
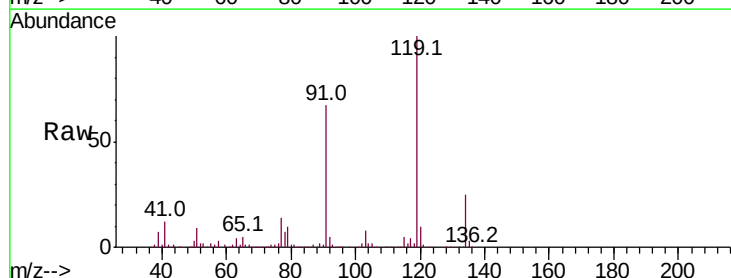
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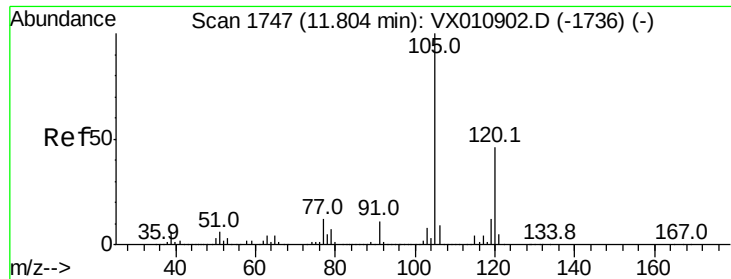
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#83
tert-Butylbenzene
Concen: 5.363 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion:119 Resp: 57365
Ion Ratio Lower Upper
119 100
91 66.4 28.6 85.8
134 25.0 11.6 34.8





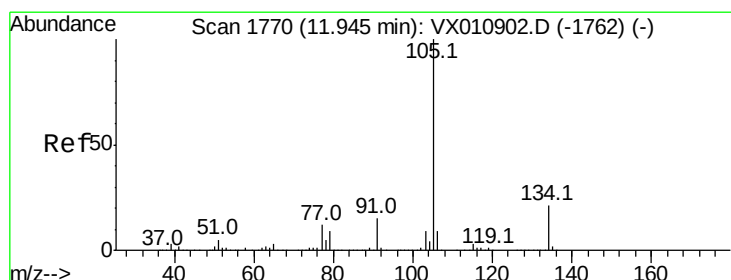
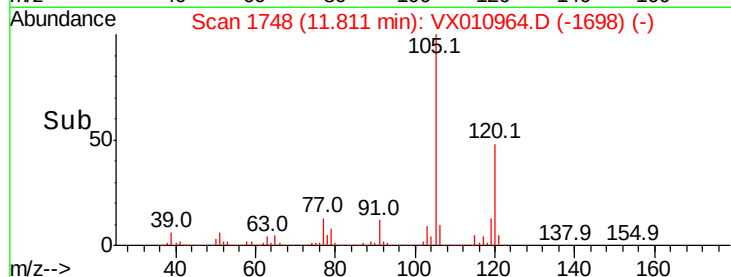
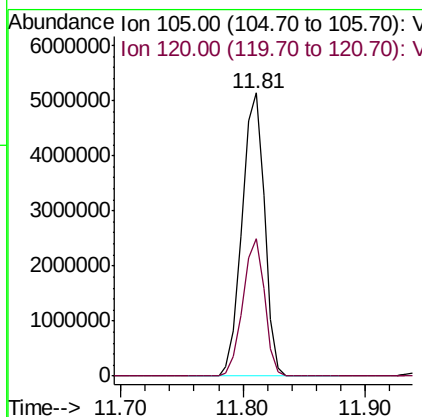
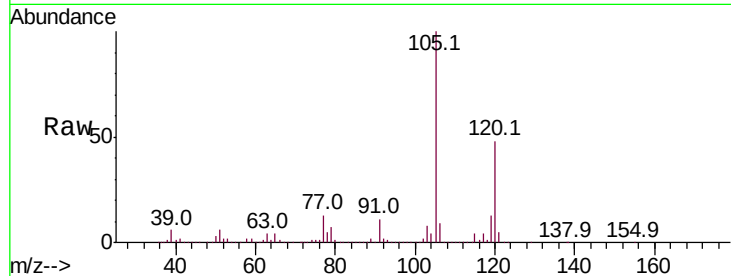
#84
 1,2,4-Trimethylbenzene
 Concen: 593.425 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0606

Tot Ion:105 Resp: 6513379
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.5

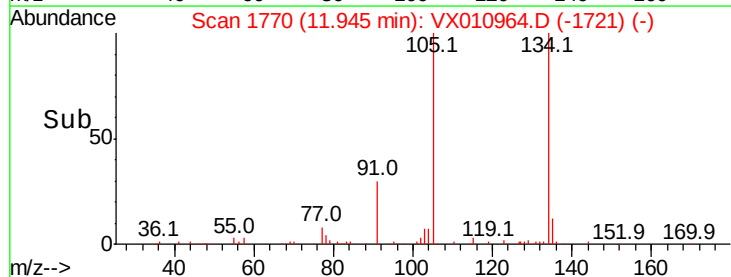
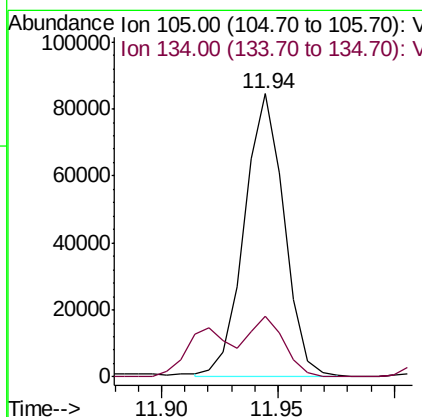
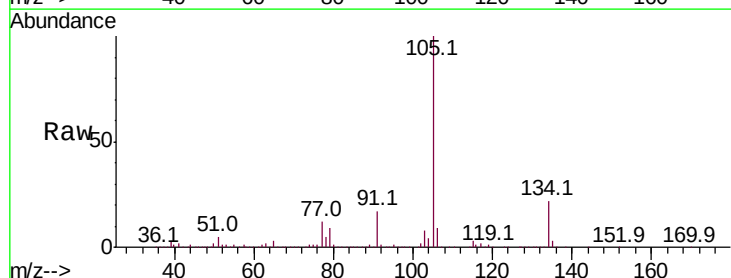
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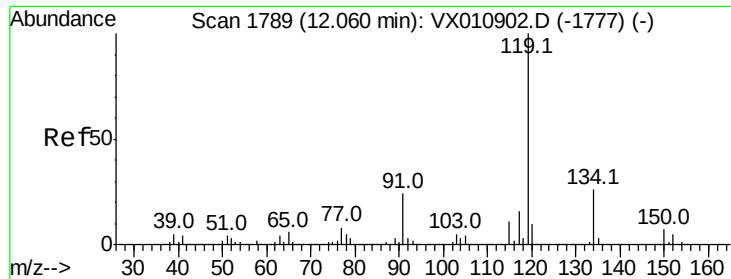
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#85
 sec-Butylbenzene
 Concen: 8.066 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Tgt Ion:105 Resp: 101090
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#





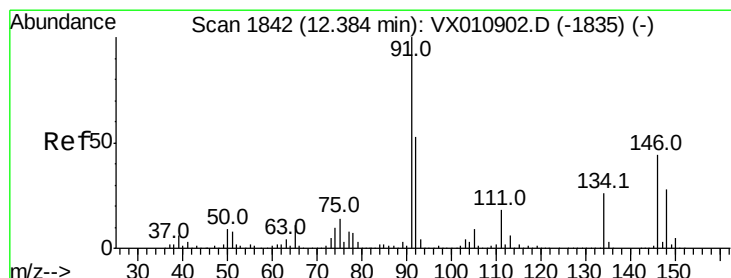
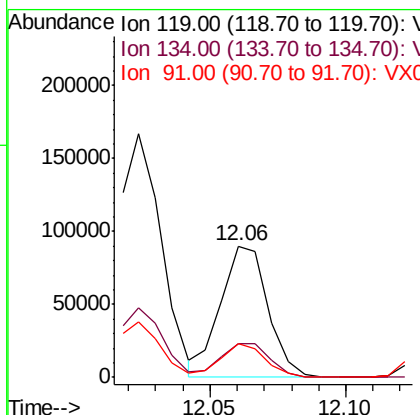
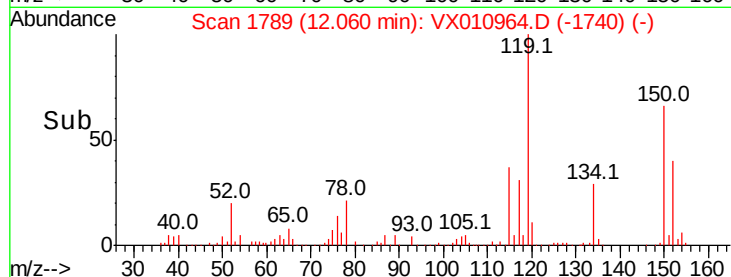
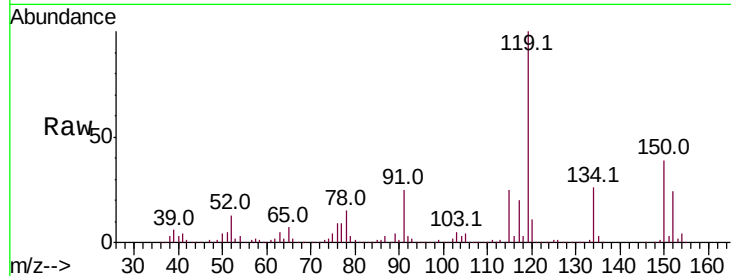
#86
p-Isopropyltoluene
Concen: 9.355 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampled :
FL-0606

Tot Ion	Ratio	Resp	Lower	Upper
119	100	108399		
134	27.3		13.4	40.1
91	24.4		11.8	35.4

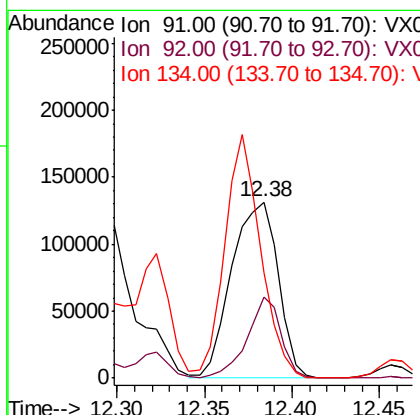
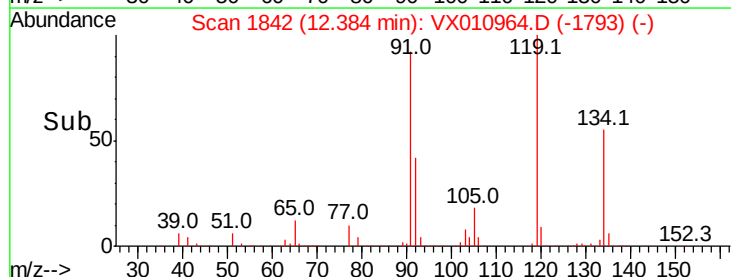
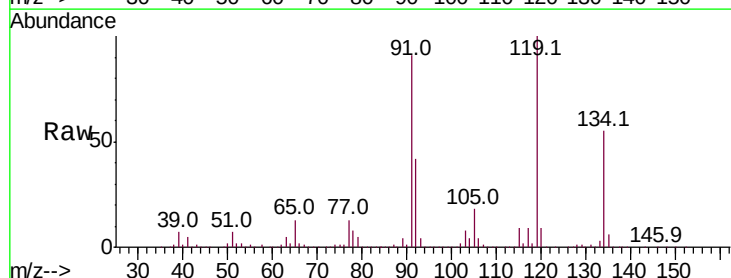
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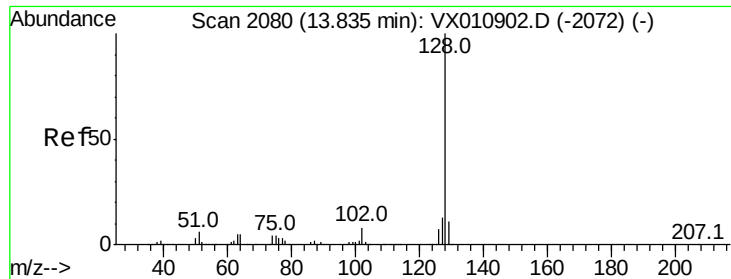
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#89
n-Butylbenzene
Concen: 24.525 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	243123		
92	33.4		26.2	78.5
134	106.3		13.8	41.3#





#95
Naphthalene
Concen: 91.970 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
FL-0606

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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