

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010494.D
 Acq On : 27 Jun 2019 17:16
 Operator : JC/SP
 Sample : K3565-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0576

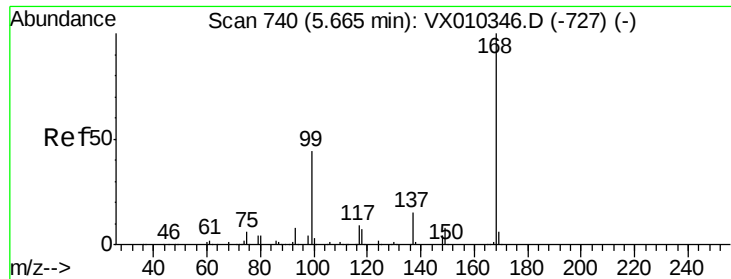
Manual Integrations
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 6/28/2019 10:38:04 AM

Quant Time: Jun 28 07:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	265363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	123428	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
35) Dibromofluoromethane	5.50	113	120948	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	480052	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	167753	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	56801	15.805	ug/l	97
39) Methylcyclohexane	7.46	83	78618	18.796	ug/l	98
40) Benzene	6.15	78	2533	0.256	ug/l	93
52) Toluene	8.79	92	23182	3.551	ug/l	97
67) Ethyl Benzene	10.26	91	6653000	521.966	ug/l	97
68) m/p-Xylenes	10.37	106	7076552	1432.855	ug/l	93
69) o-Xylene	10.70	106	2098526	432.077	ug/l	99
73) Isopropylbenzene	11.02	105	790557	62.798	ug/l	99
78) n-propylbenzene	11.36	91	790449	57.131	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1097903	105.790	ug/l	100
83) tert-Butylbenzene	11.77	119	5983m	0.574	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2795240	268.083	ug/l	99
85) sec-Butylbenzene	11.94	105	30081m	2.460	ug/l	
86) p-Isopropyltoluene	12.06	119	26523m	2.345	ug/l	
95) Naphthalene	13.83	128	1270440	97.753	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion:168 Resp: 265363

Ion Ratio Lower Upper

168 100

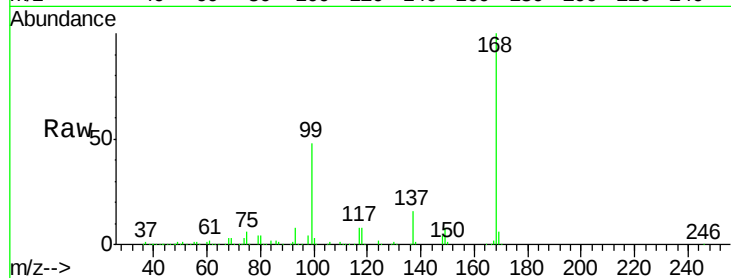
99 48.1 35.5 53.3

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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

100000

80000

60000

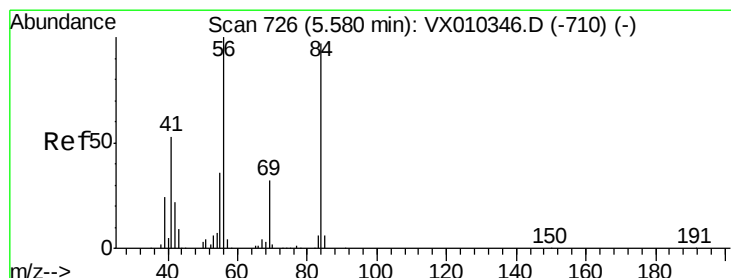
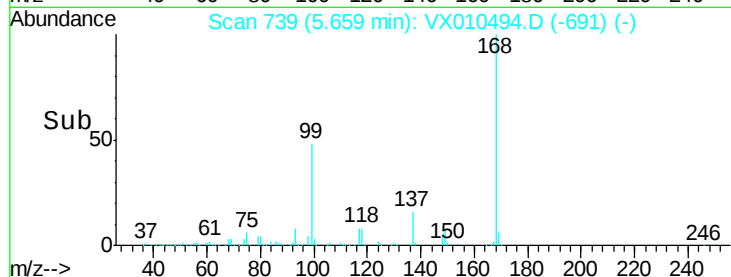
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 15.805 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

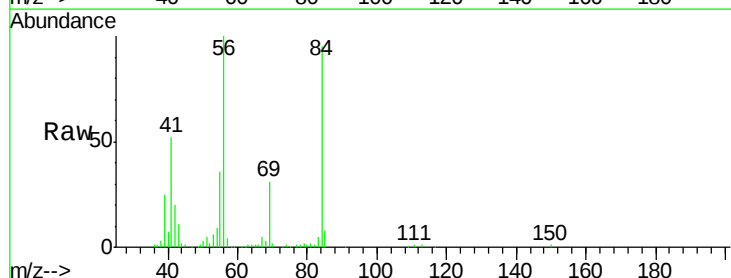
Tgt Ion: 56 Resp: 56801

Ion Ratio Lower Upper

56 100

69 30.7 25.9 38.9

84 95.1 78.0 117.0



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

25000

20000

15000

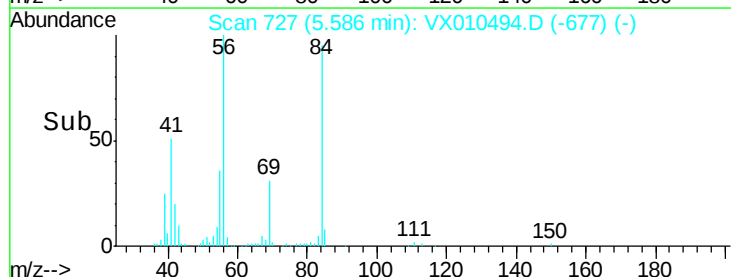
10000

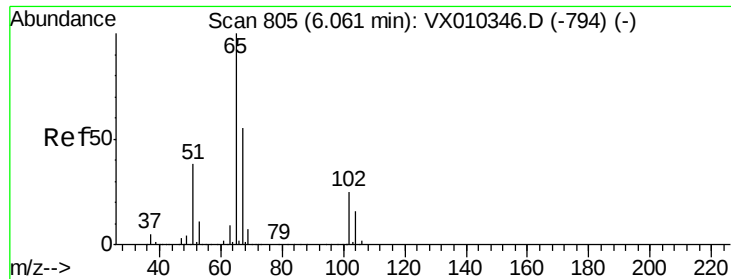
5000

0

Time-->

5.50 5.55 5.60 5.65 5.70





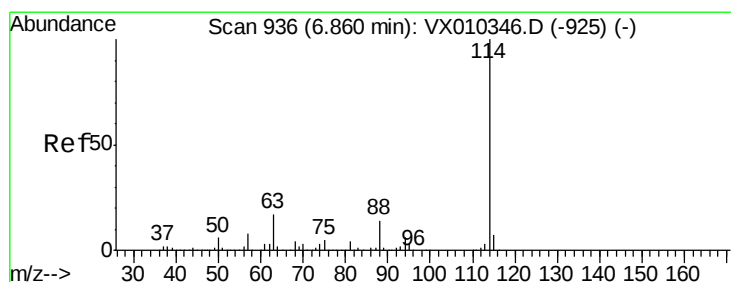
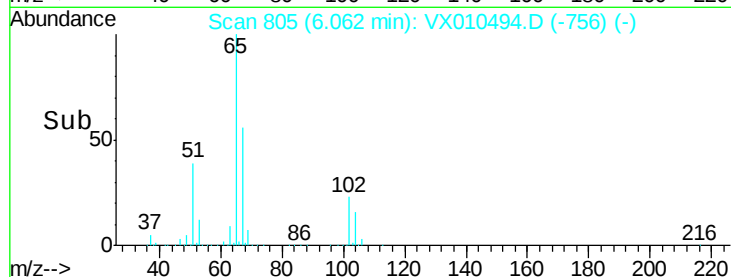
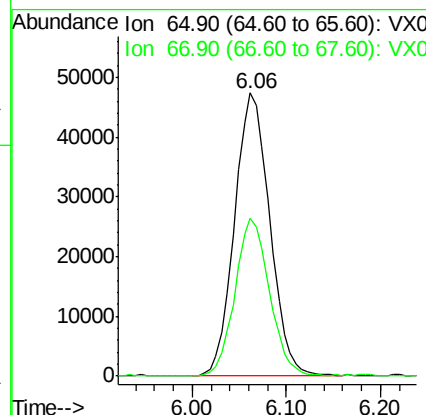
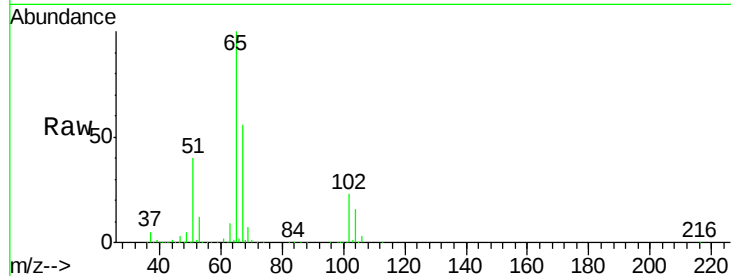
#33
 1,2-Dichloroethane-d4
 Concen: 49.608 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010494.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0576

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.2

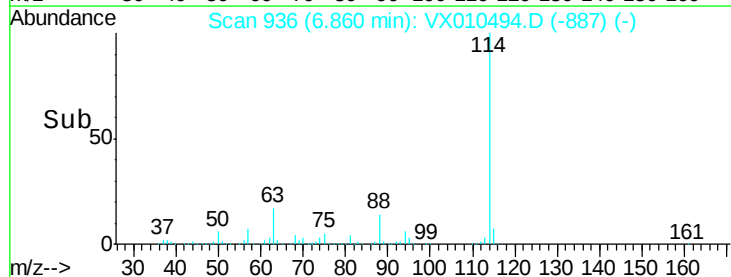
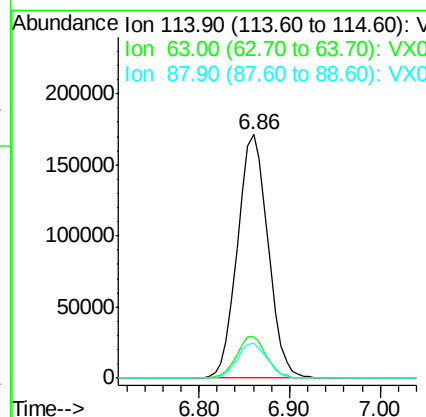
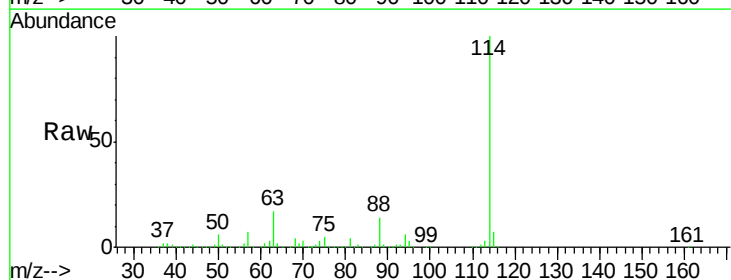
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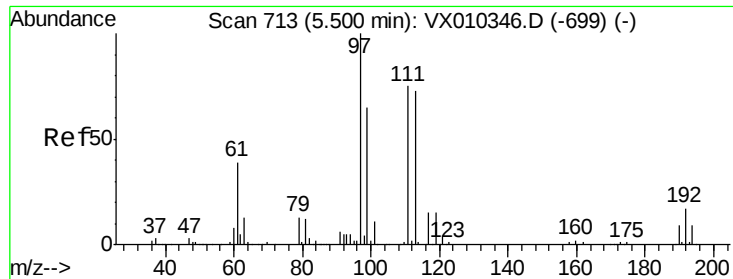
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010494.D
 Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	33.8
88	14.1	0.0	27.6





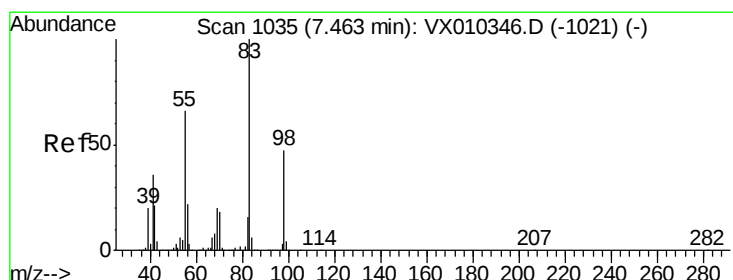
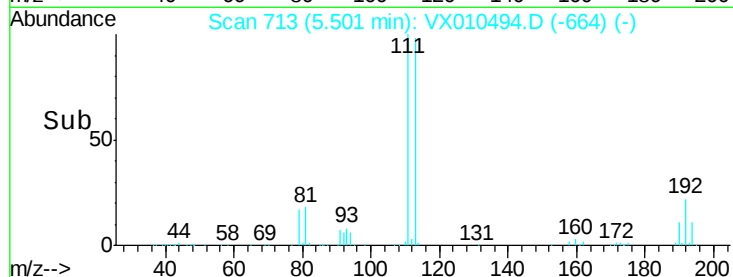
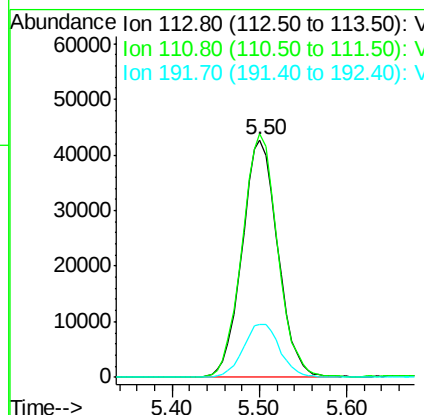
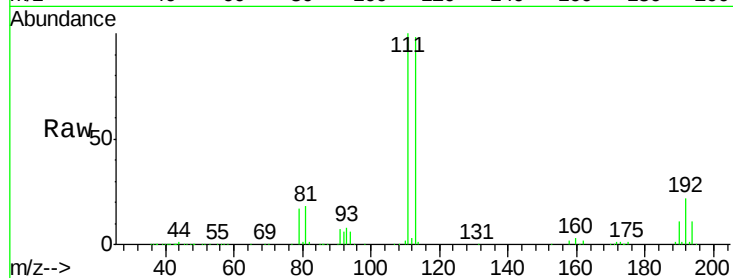
#35
Dibromofluoromethane
Concen: 49.367 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
FL-0576

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.2	121.8
192	23.0	18.6	27.8

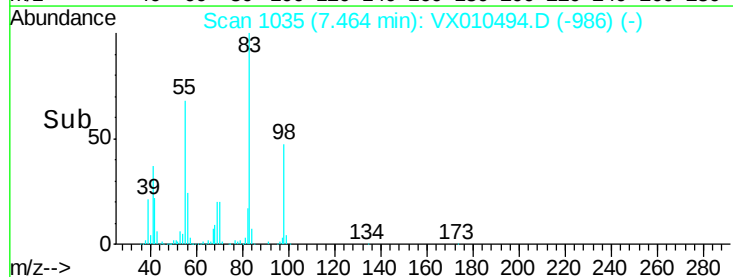
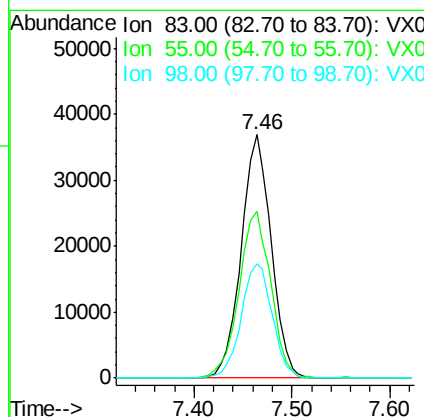
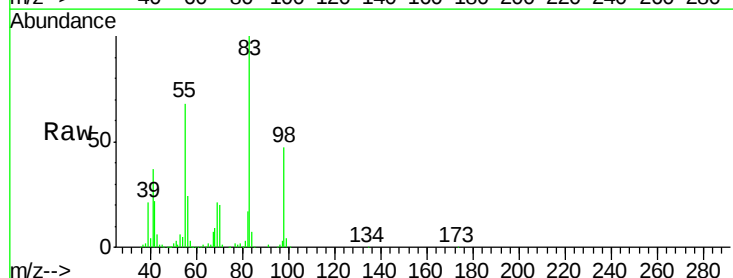
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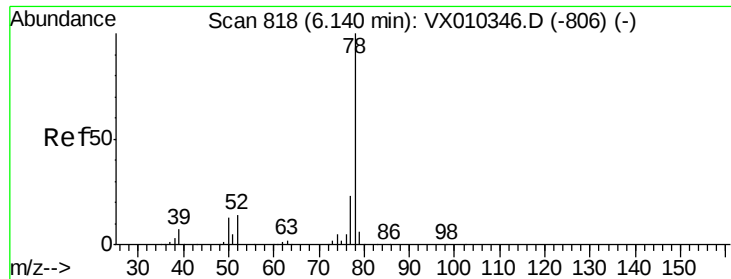
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#39
Methylcyclohexane
Concen: 18.796 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.2	53.0	79.6
98	46.9	37.8	56.8





#40

Benzene

Concen: 0.256 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion: 78 Resp: 2533

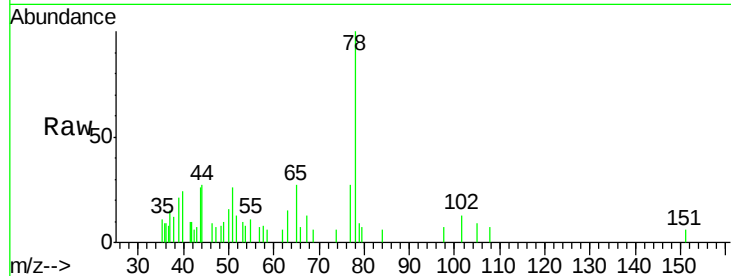
Ion Ratio Lower Upper

78 100

77 26.7 18.6 28.0

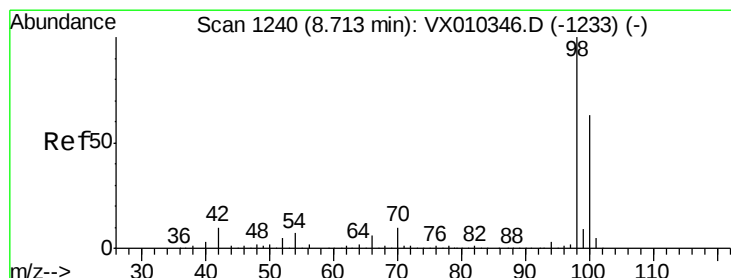
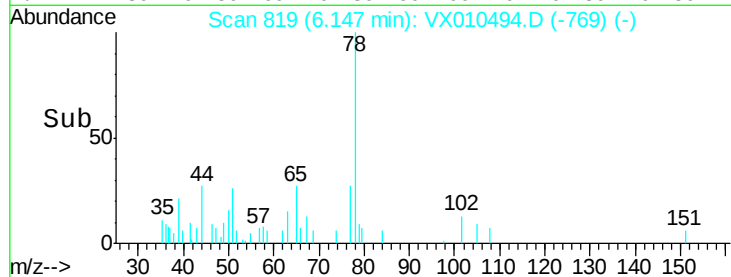
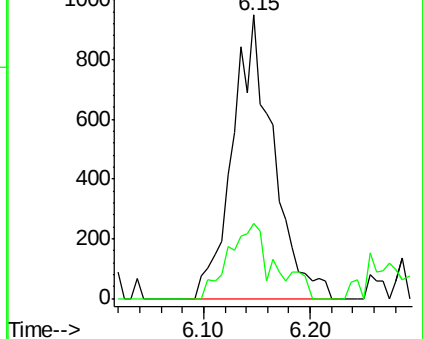
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.215 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010494.D

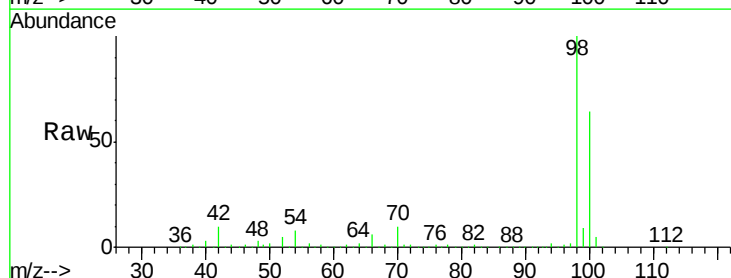
Acq: 27 Jun 2019 17:16

Tgt Ion: 98 Resp: 480052

Ion Ratio Lower Upper

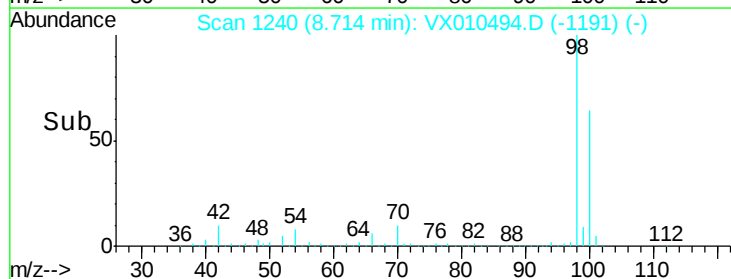
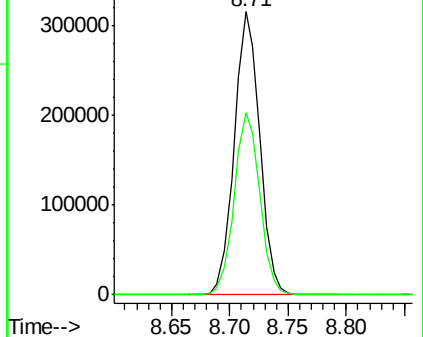
98 100

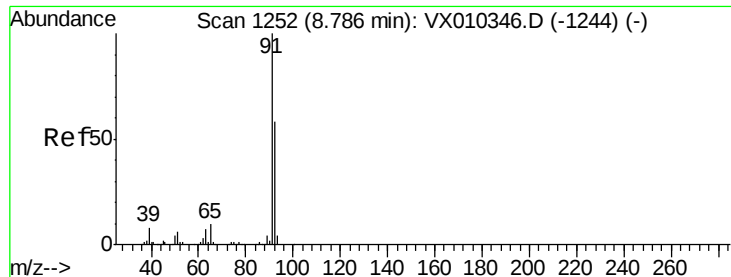
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 3.551 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion: 92 Resp: 23182

Ion Ratio Lower Upper

92 100

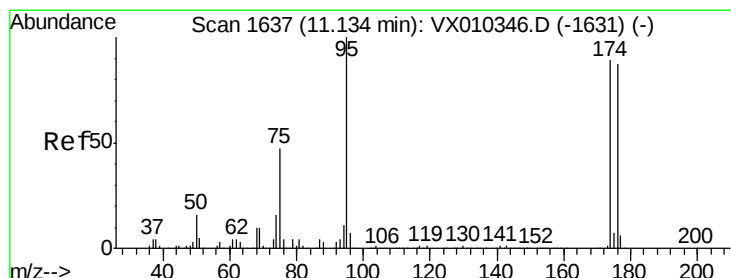
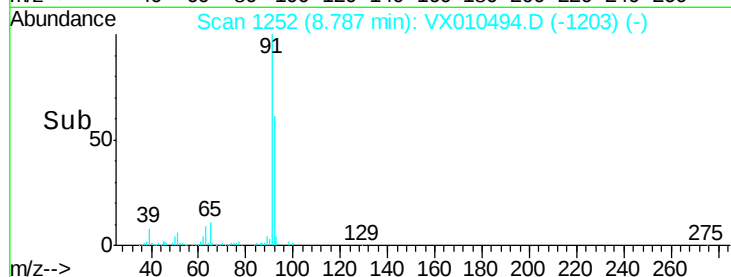
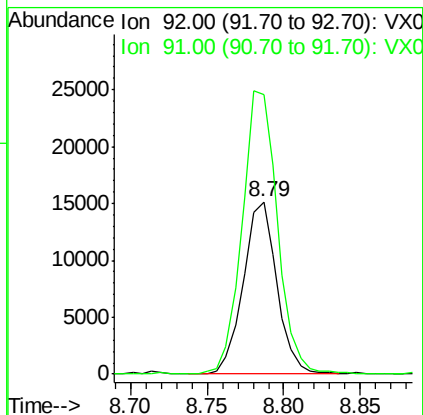
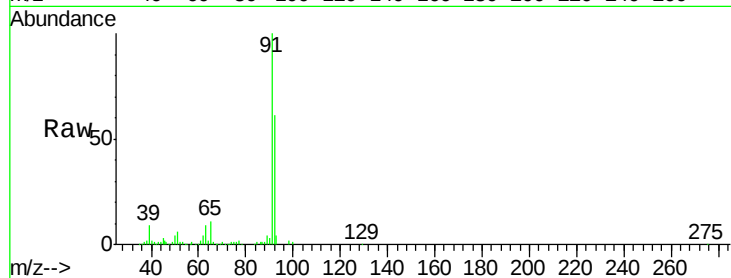
91 171.2 139.8 209.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.573 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

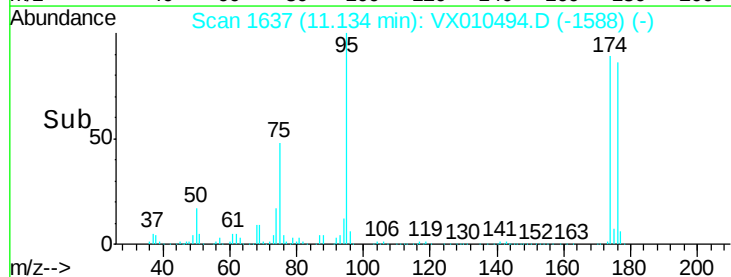
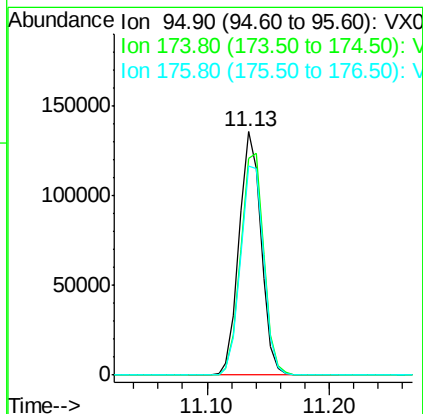
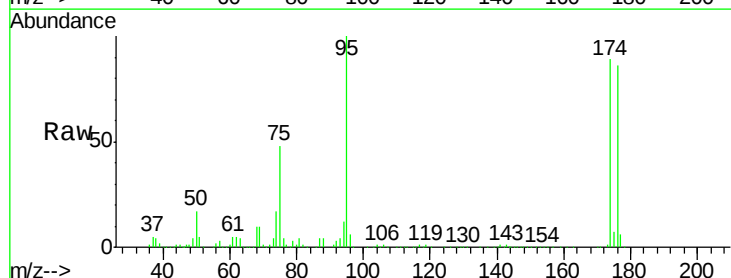
Tgt Ion: 95 Resp: 167753

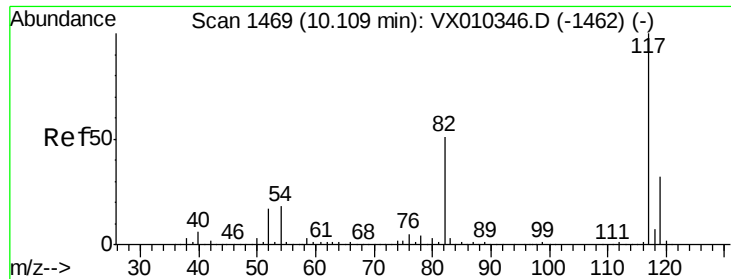
Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.6

176 90.6 0.0 184.0





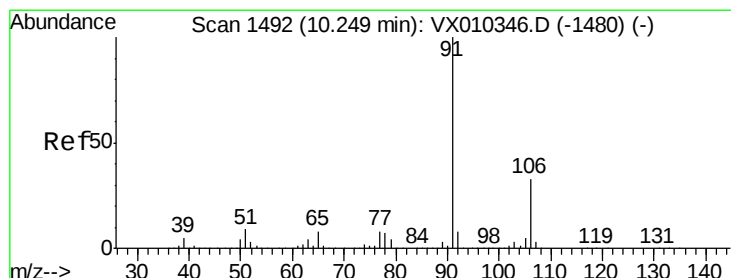
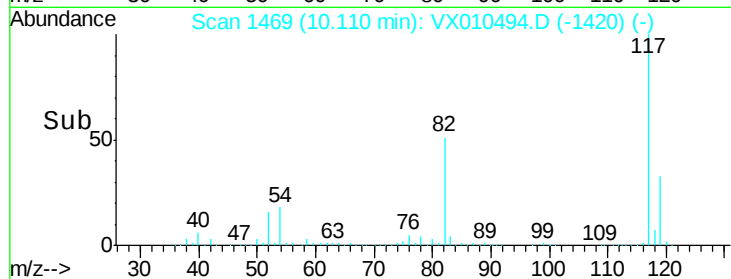
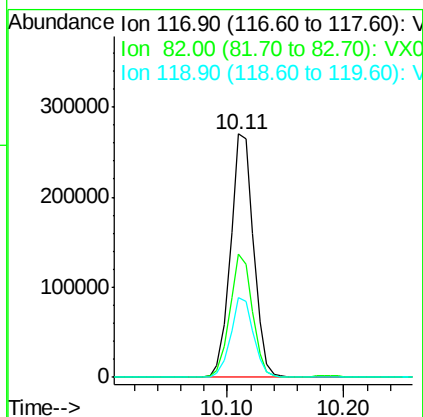
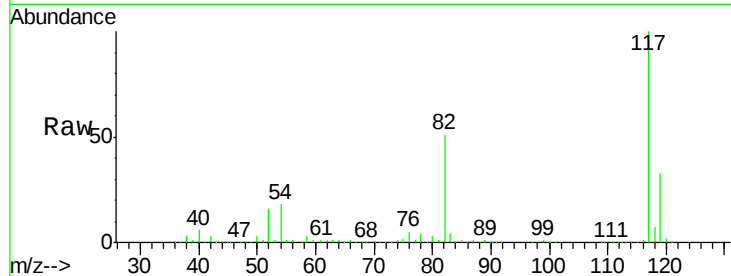
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
FL-0576

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.2	61.8
119	32.6	25.5	38.3

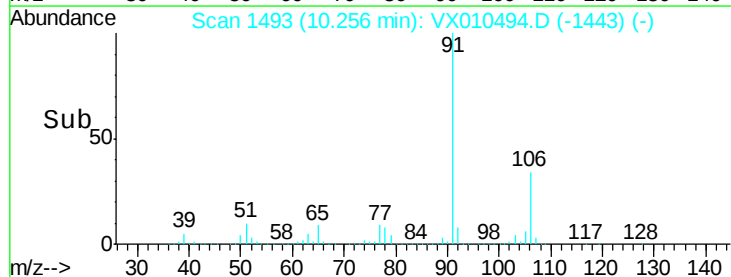
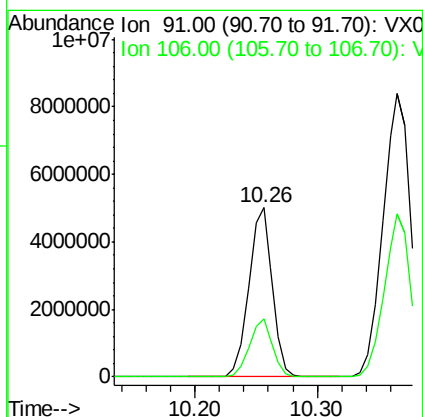
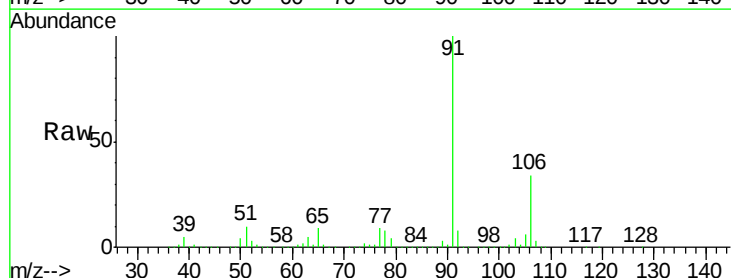
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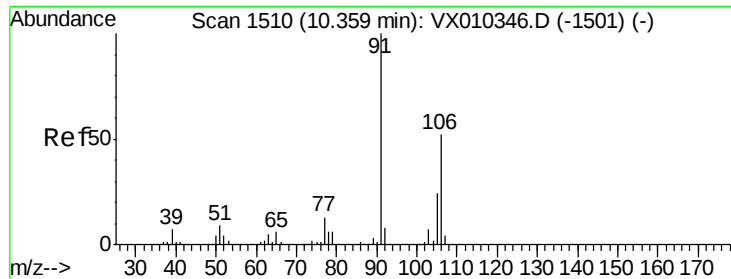
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#67
Ethyl Benzene
Concen: 521.966 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.3	26.2	39.2





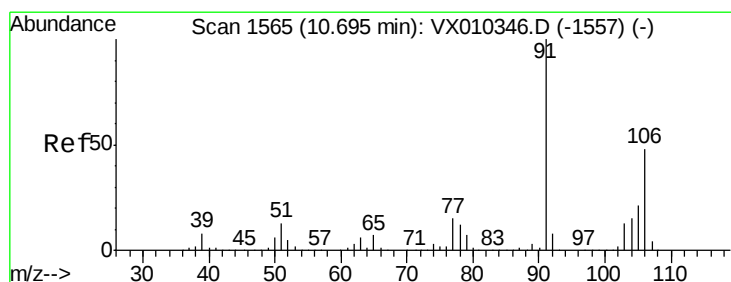
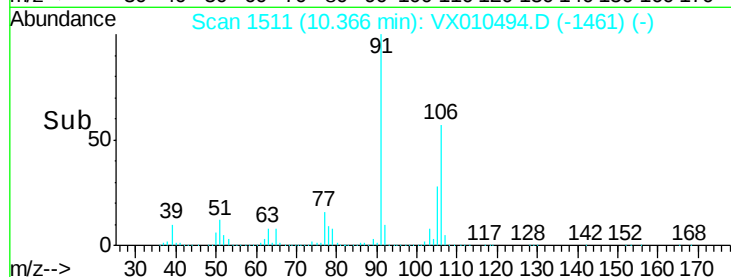
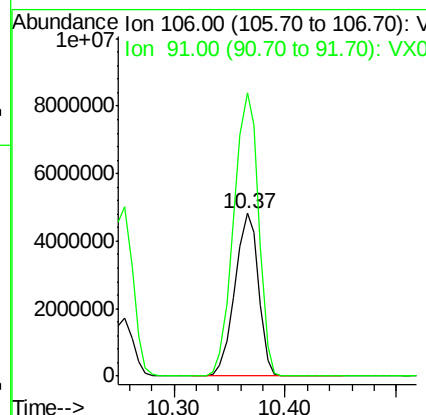
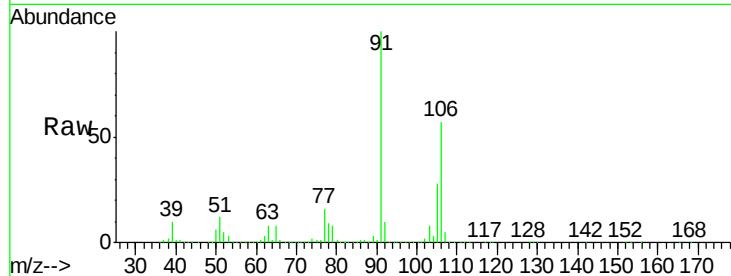
#68
m/p-Xylenes
Concen: 1432.855 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
FL-0576

Tot Ion:106 Resp: 7076552
Ion Ratio Lower Upper
106 100
91 183.2 155.3 232.9

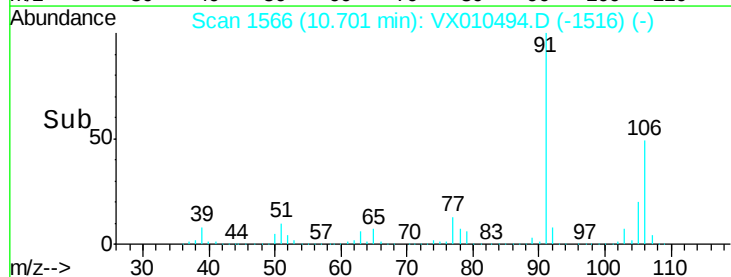
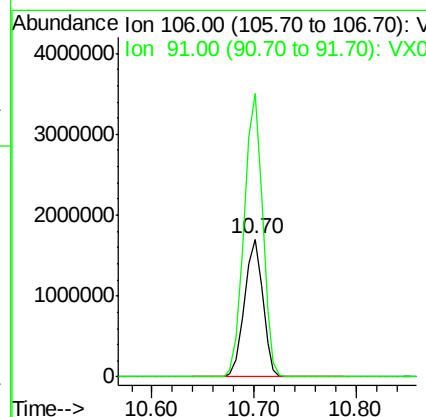
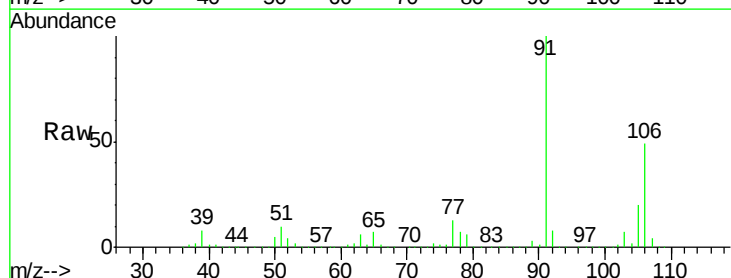
Manual Integrations
APPROVED

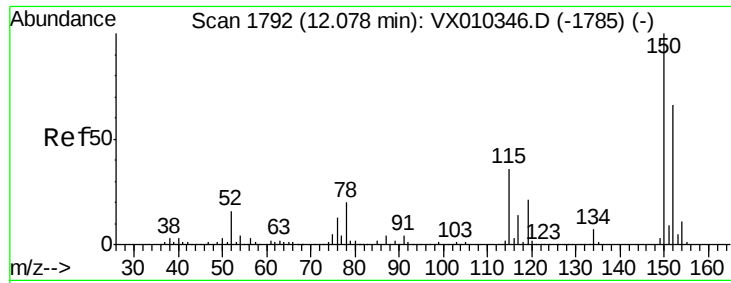
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#69
o-Xylene
Concen: 432.077 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Tgt Ion:106 Resp: 2098526
Ion Ratio Lower Upper
106 100
91 206.9 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion:152 Resp: 185712

Ion Ratio Lower Upper

152 100

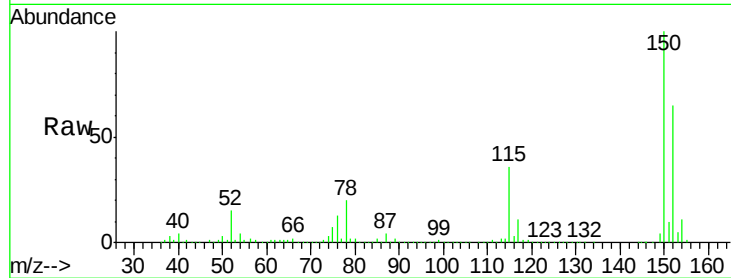
115 57.5 38.6 115.7

150 154.7 0.0 347.4

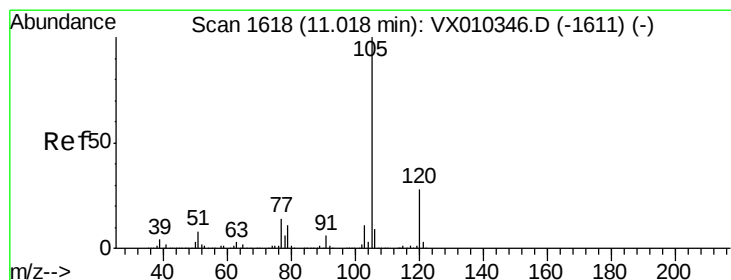
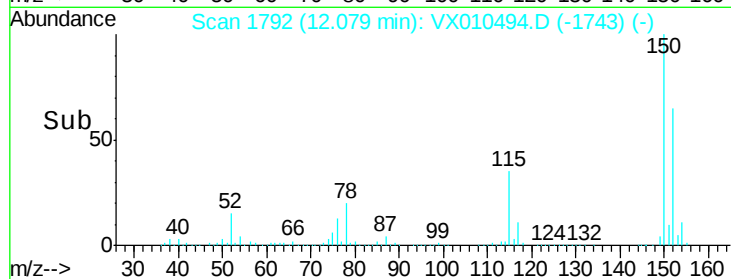
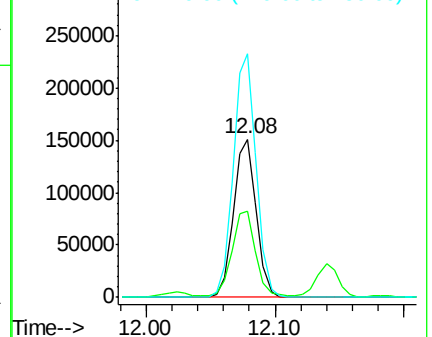
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 62.798 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010494.D

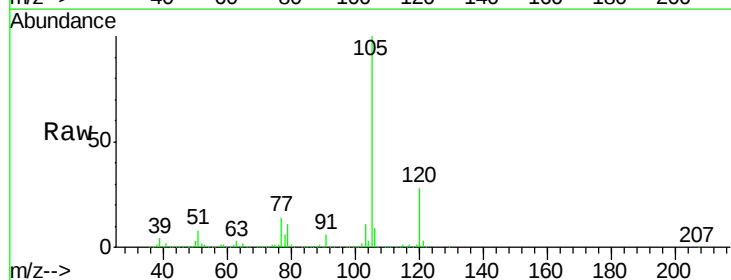
Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 790557

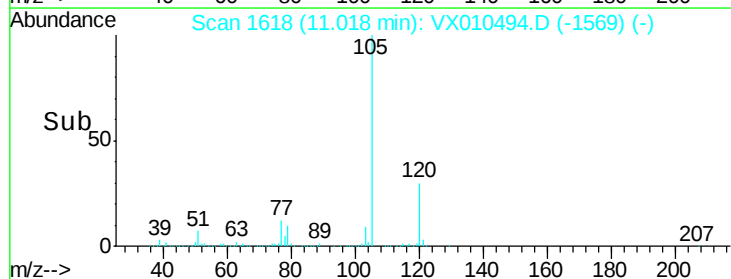
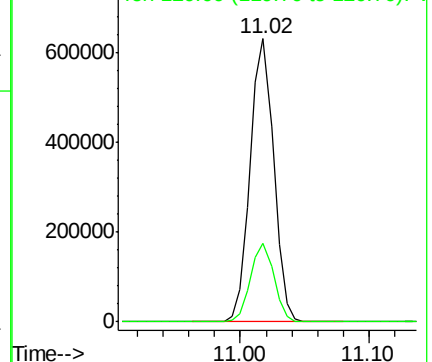
Ion Ratio Lower Upper

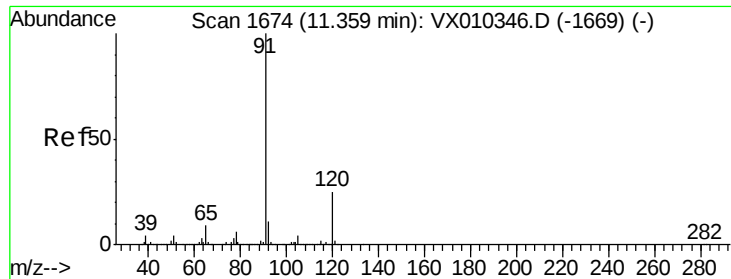
105 100

120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 57.131 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion: 91 Resp: 790449

Ion Ratio Lower Upper

91 100

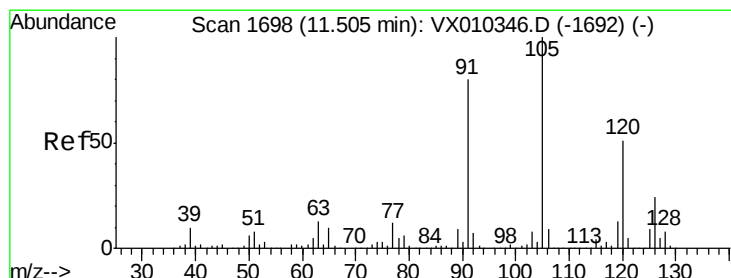
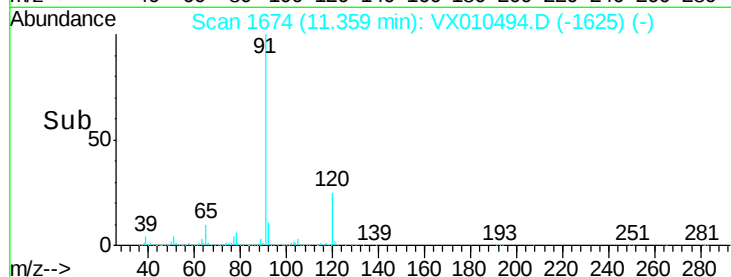
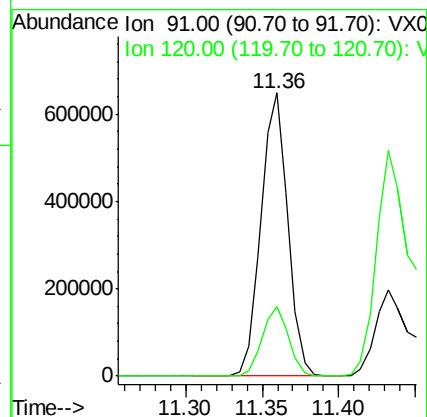
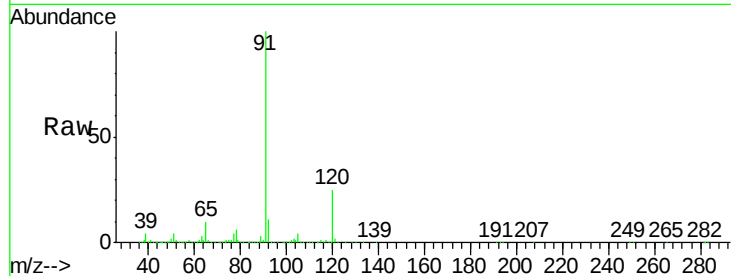
120 24.4 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 105.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010494.D

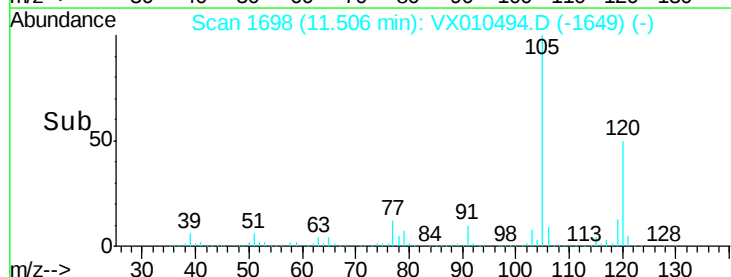
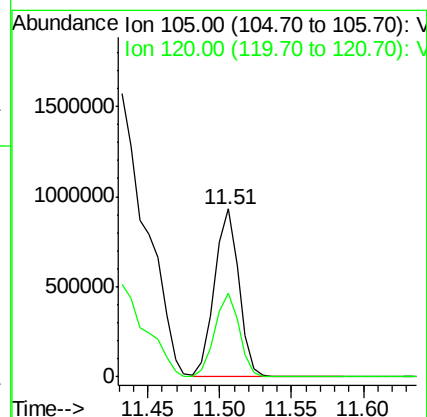
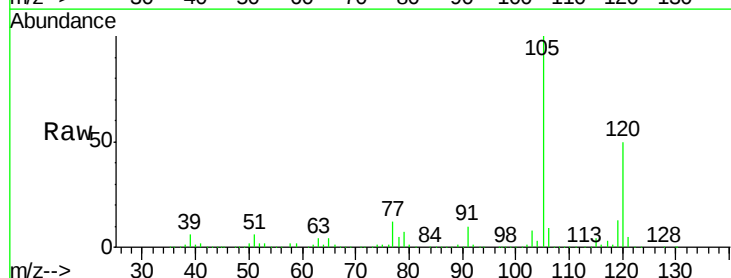
Acq: 27 Jun 2019 17:16

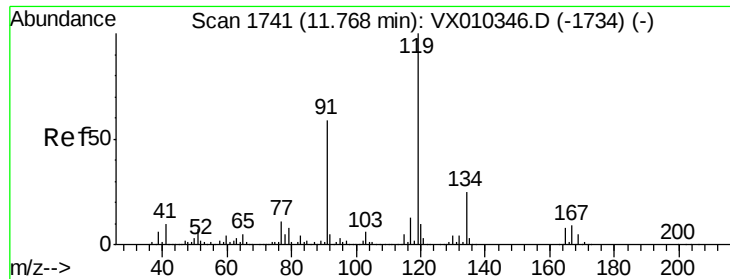
Tgt Ion: 105 Resp: 1097903

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6





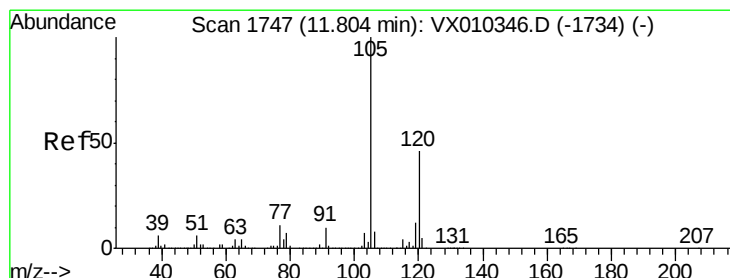
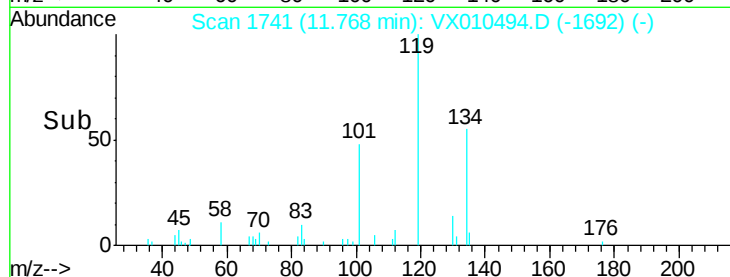
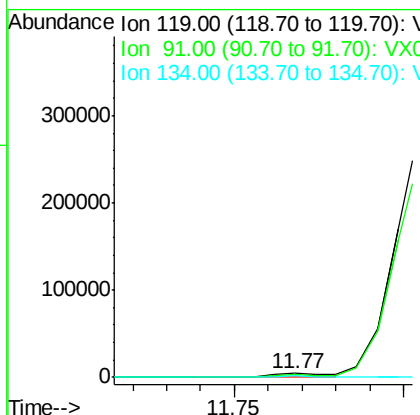
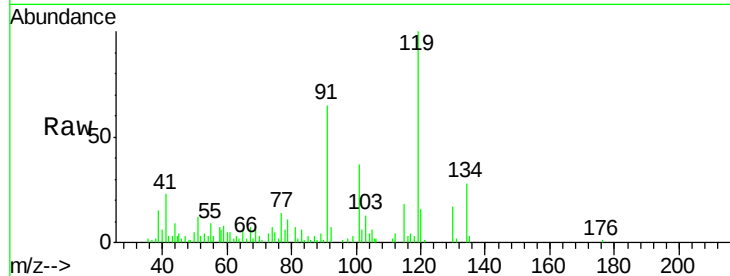
#83
tert-Butylbenzene
Concen: 0.574 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
FL-0576

Tot Ion:119 Resp: 5983
Ion Ratio Lower Upper
119 100
91 4997.9 27.6 82.7
134 0.0 11.8 35.4#

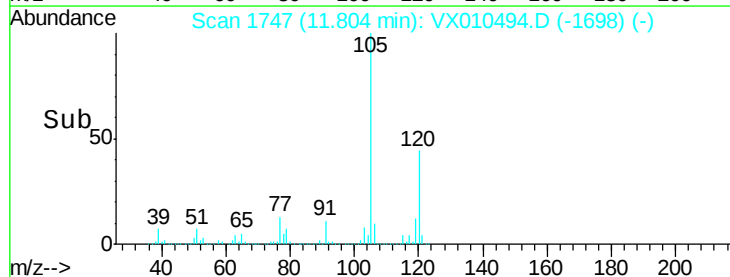
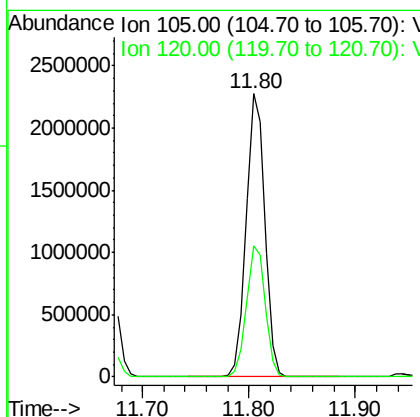
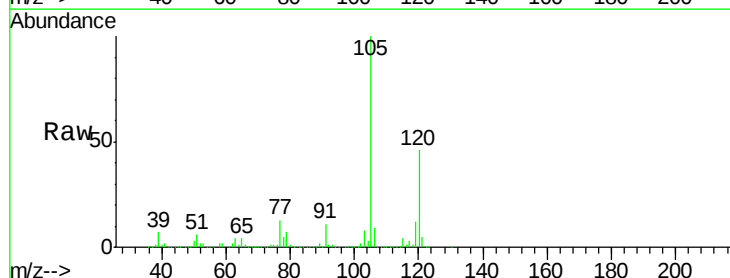
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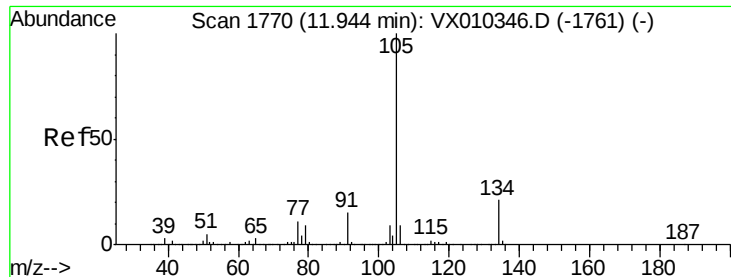
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#84
1,2,4-Trimethylbenzene
Concen: 268.083 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 2795240
Ion Ratio Lower Upper
105 100
120 46.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.460 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

FL-0576

Tot Ion:105 Resp: 30081

Ion Ratio Lower Upper

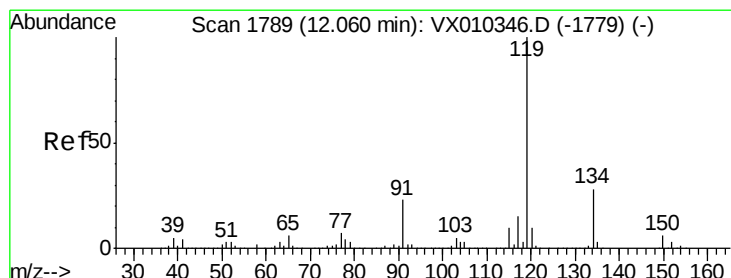
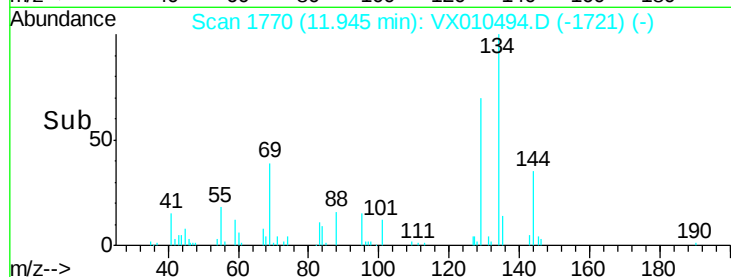
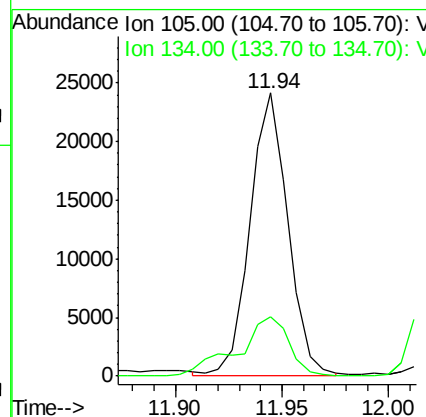
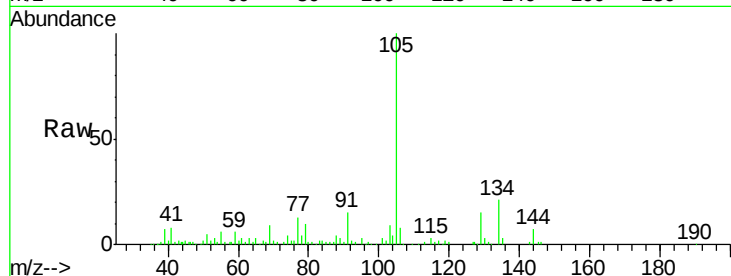
105 100

134 0.0 10.7 31.9#

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#86

p-Isopropyltoluene

Concen: 2.345 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010494.D

Acq: 27 Jun 2019 17:16

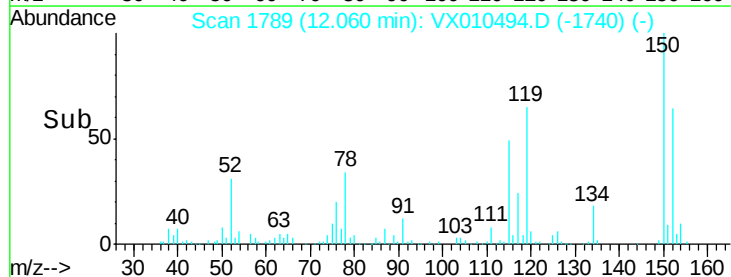
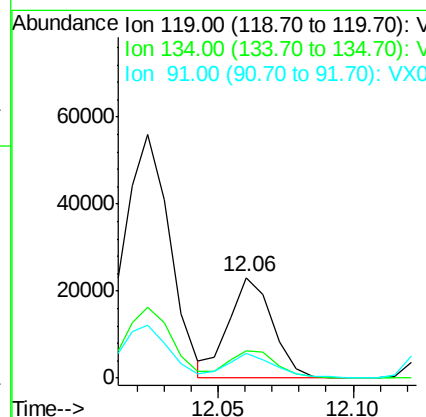
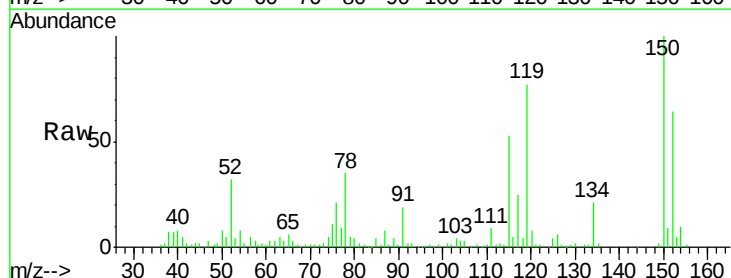
Tgt Ion:119 Resp: 26523

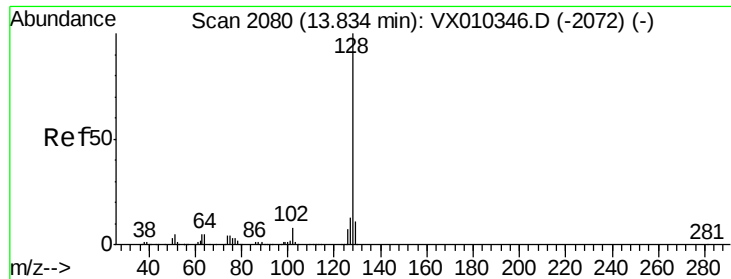
Ion Ratio Lower Upper

119 100

134 77.4 13.7 41.1#

91 55.7 11.3 33.8#





#95
Naphthalene
Concen: 97.753 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010494.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
FL-0576

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
APPROVED

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