

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011042.D
 Acq On : 22 Jul 2019 19:44
 Operator : JC/SP
 Sample : K3934-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Manual Integrations
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 7/23/2019 11:12:03 AM

Quant Time: Jul 23 07:06:38 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	221223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	329496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120888	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
35) Dibromofluoromethane	5.50	113	109780	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	423497	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	155441	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	5169	9.431	ug/l #	93
16) Acetone	2.45	43	10676	10.044	ug/l	95
39) Methylcyclohexane	7.46	83	2917	0.774	ug/l #	83
40) Benzene	6.15	78	13752	1.545	ug/l	99
52) Toluene	8.78	92	13650	2.335	ug/l	97
67) Ethyl Benzene	10.25	91	11265	0.978	ug/l	91
68) m/p-Xylenes	10.35	106	43613	9.870	ug/l	100
69) o-Xylene	10.69	106	28283	6.559	ug/l	95
73) Isopropylbenzene	11.02	105	5694	0.512	ug/l	94
78) n-propylbenzene	11.36	91	13748	1.118	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	12614	1.357	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	45973	4.906	ug/l	99
85) sec-Butylbenzene	11.94	105	12883	1.204	ug/l	98
89) n-Butylbenzene	12.38	91	15987m	1.889	ug/l	
95) Naphthalene	13.83	128	177505	16.805	ug/l #	95

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

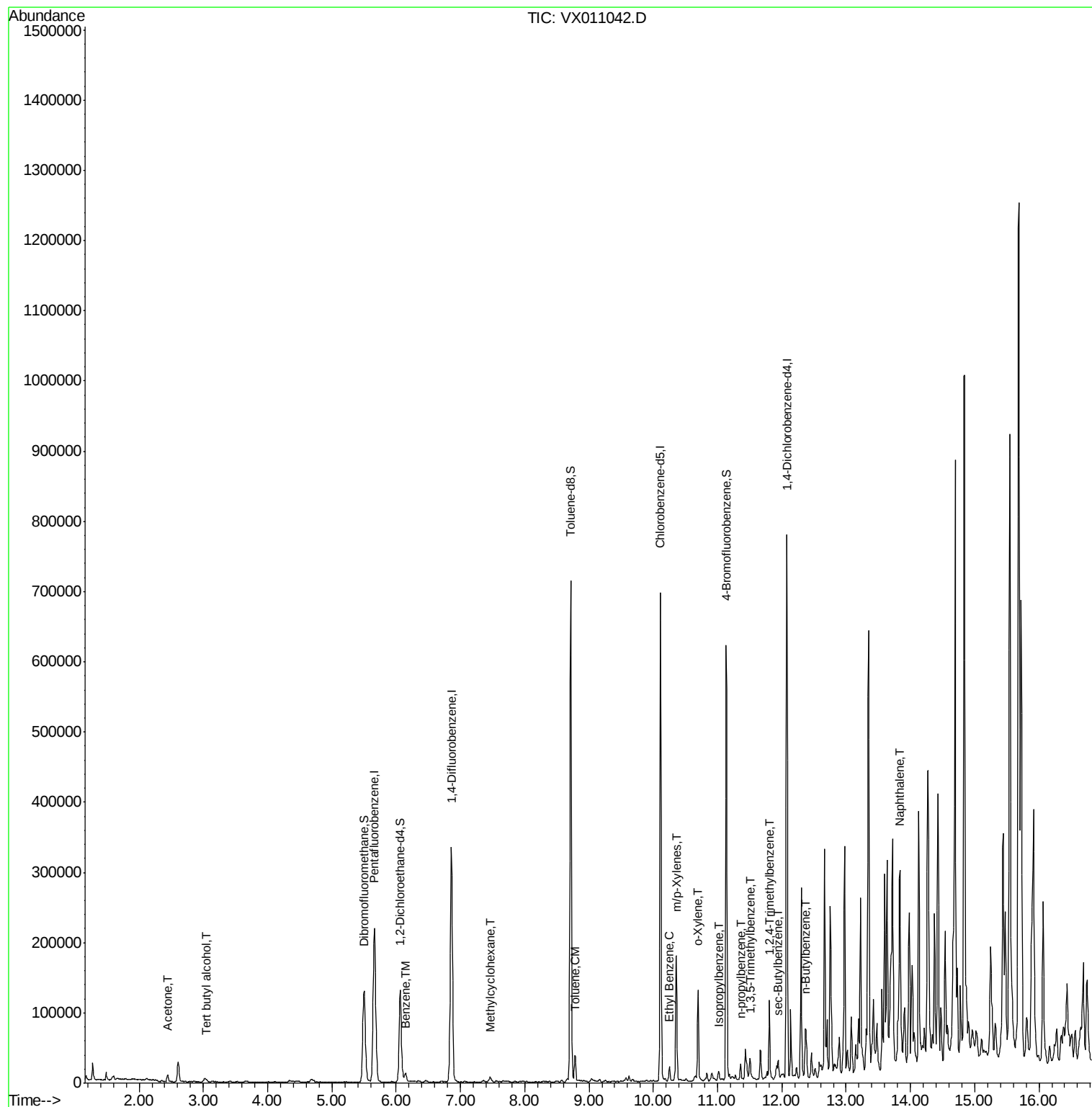
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
Data File : VX011042.D
Acq On : 22 Jul 2019 19:44
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

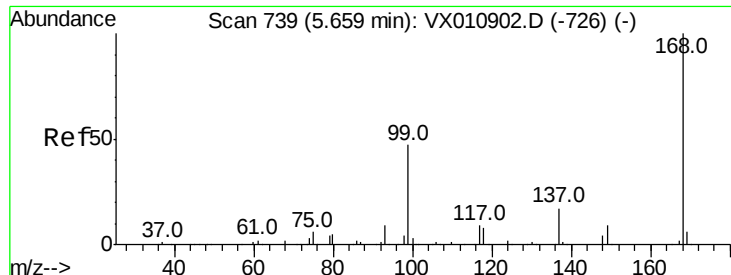
Instrument :
MSVOA_X
ClientSampleId :
TP-3

Quant Time: Jul 23 07:06:38 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

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#1

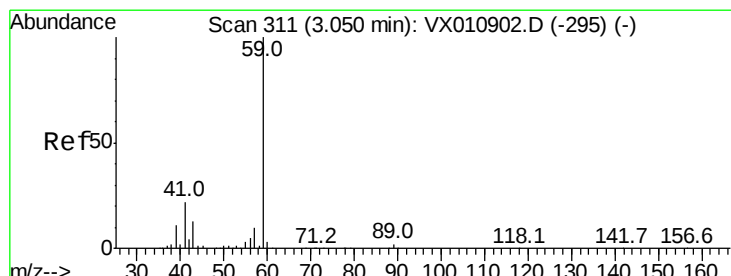
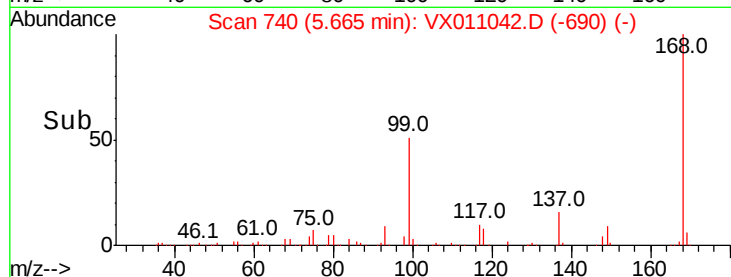
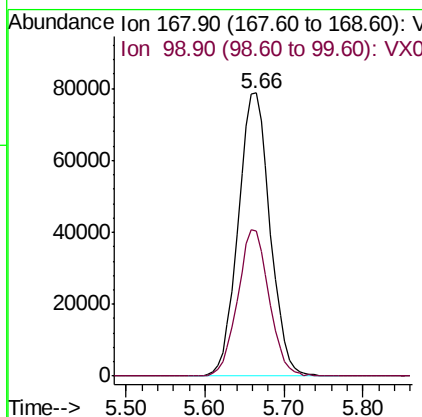
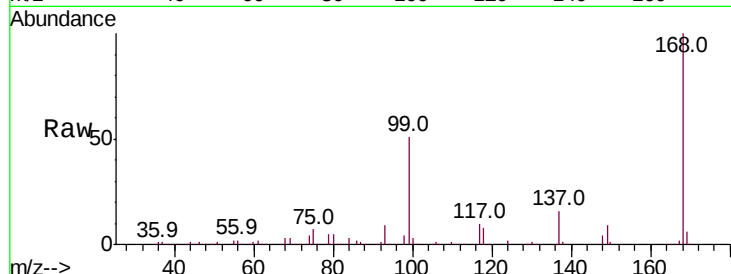
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX011042.D
 Acq: 22 Jul 2019 19:44

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

Tot Ion	Ratio	Resp	Lower	Upper
168	100	221223		
99	51.1		37.6	56.4

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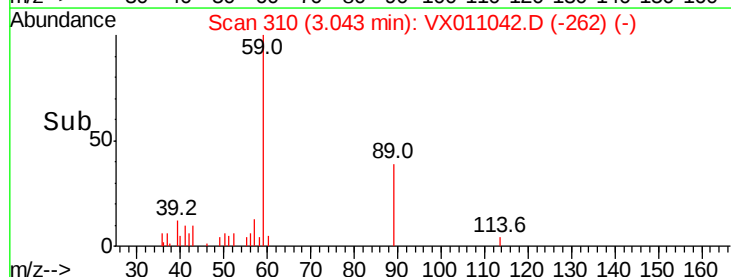
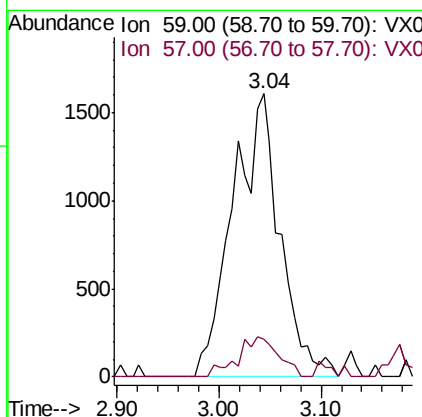
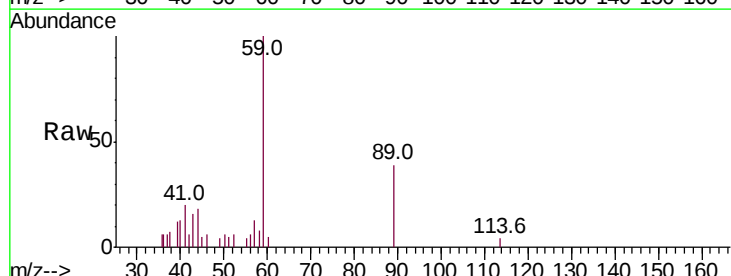
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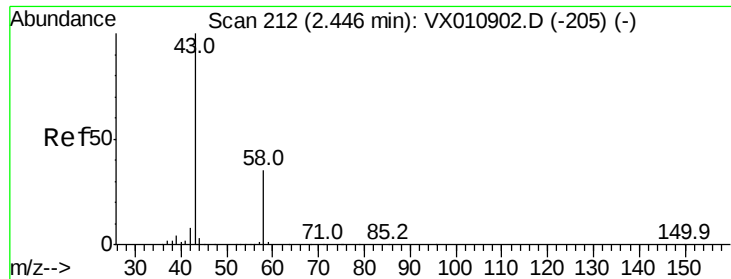


#11

Tert butyl alcohol
 Concen: 9.431 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX011042.D
 Acq: 22 Jul 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	5169		
57	12.3		7.9	11.9





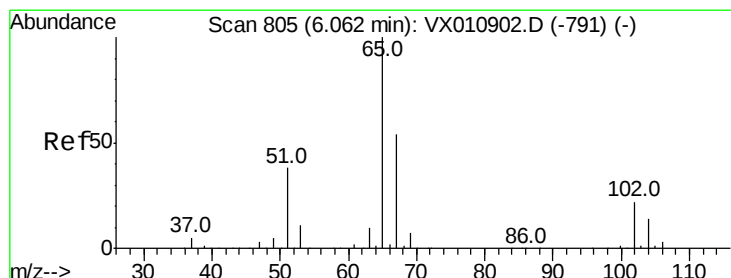
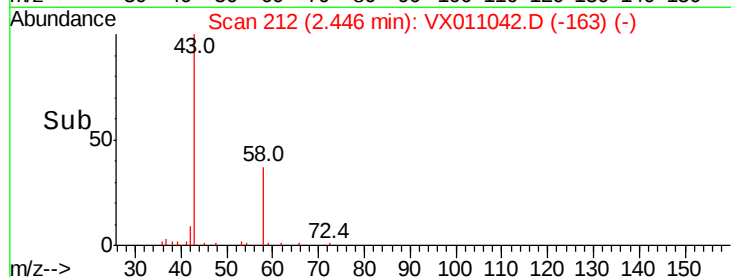
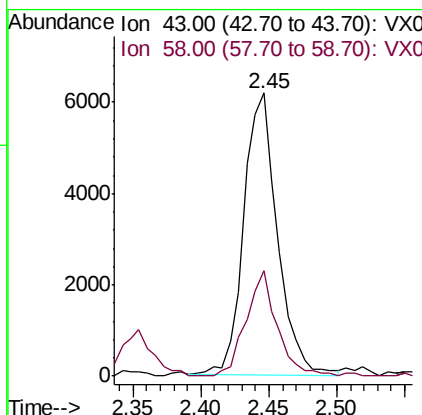
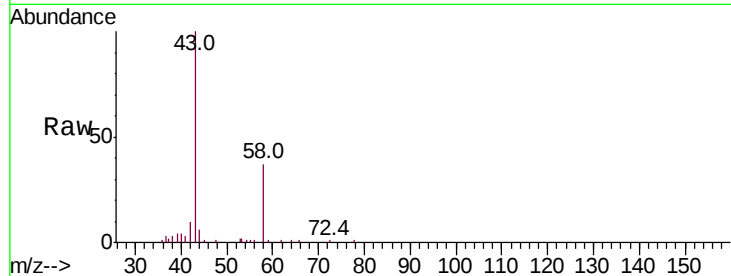
#16
Acetone
Concen: 10.044 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	27.7	41.5

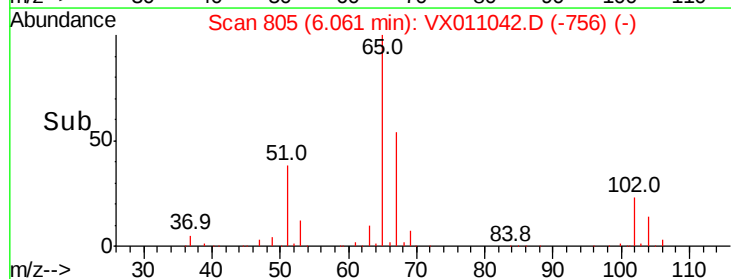
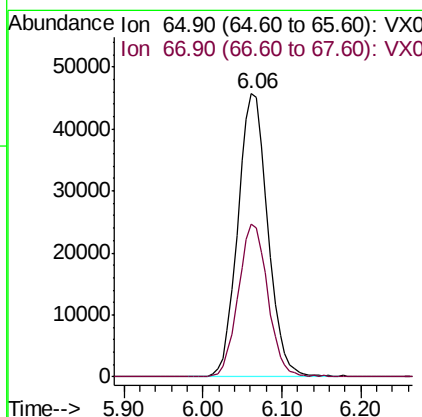
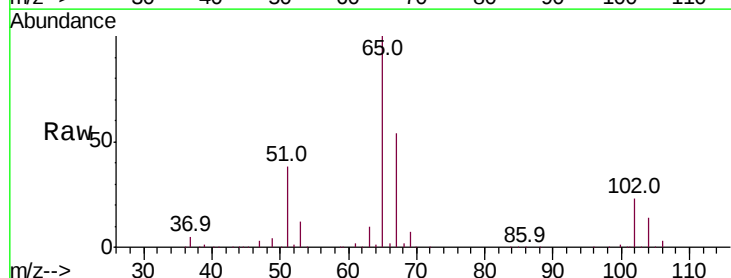
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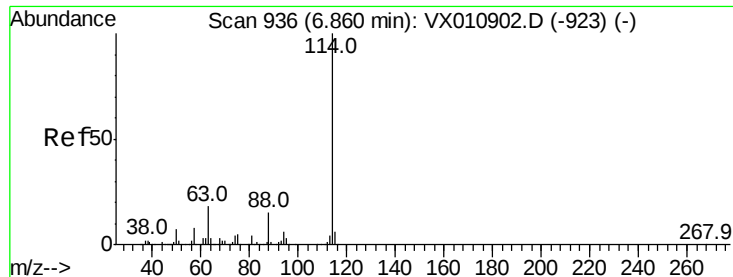
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#33
1,2-Dichloroethane-d4
Concen: 51.366 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Instrument :

MSVOA_X

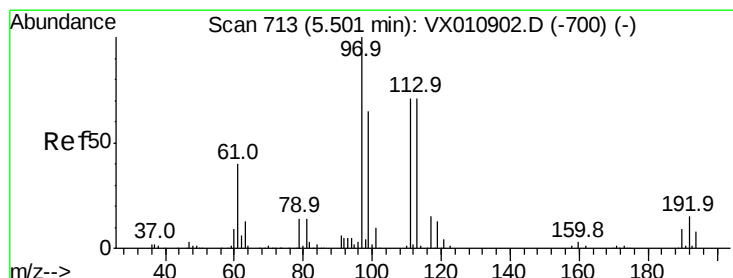
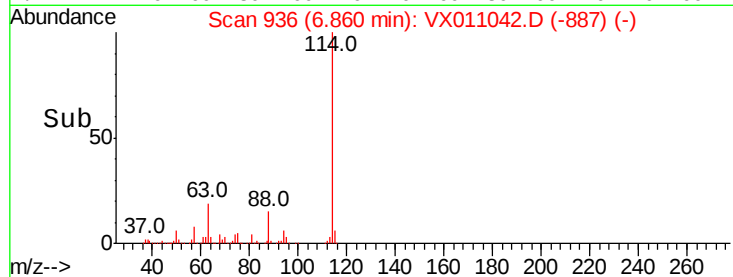
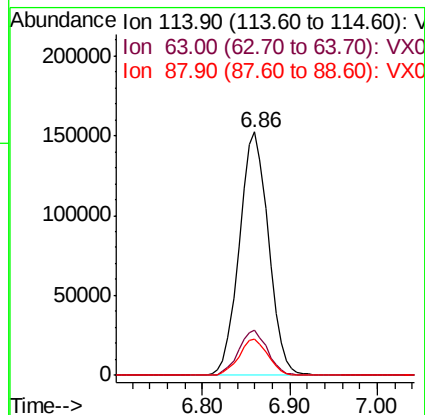
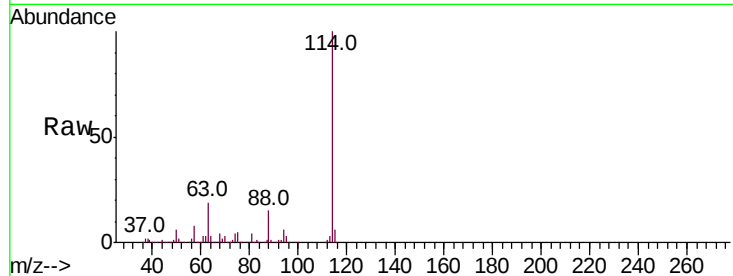
ClientSampleId :

TP-3

Tot Ion:	114	Resp:	353728
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	35.6
88	15.0	0.0	29.8

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#35

Dibromofluoromethane

Concen: 48.896 ug/l

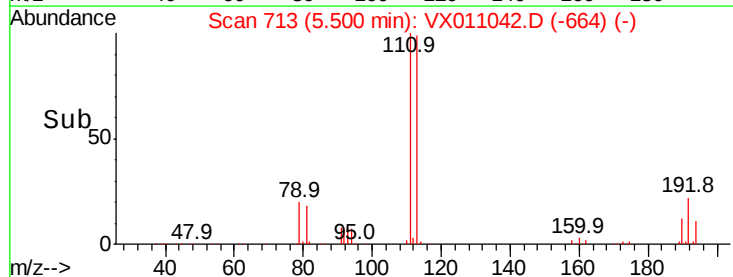
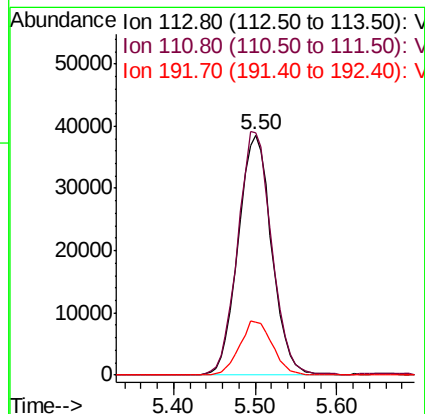
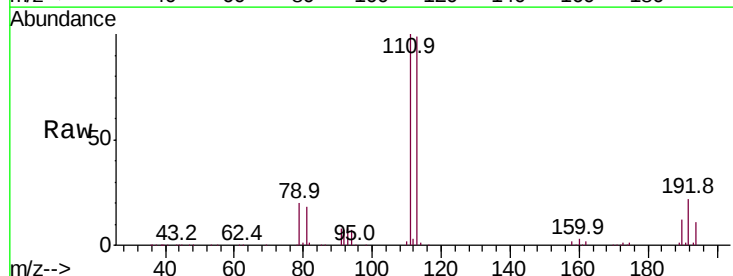
RT: 5.50 min Scan# 713

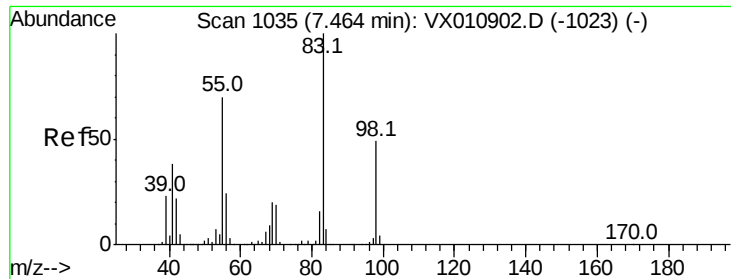
Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Tgt Ion:	113	Resp:	109780
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.3	123.5
192	22.2	17.4	26.2





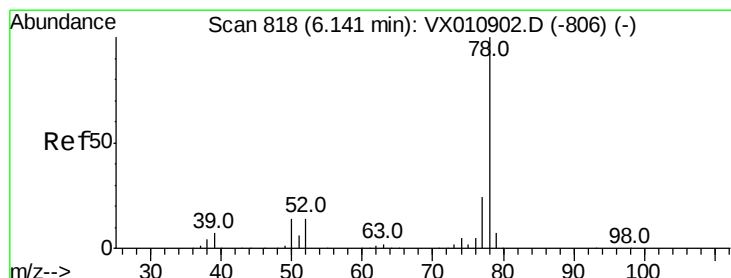
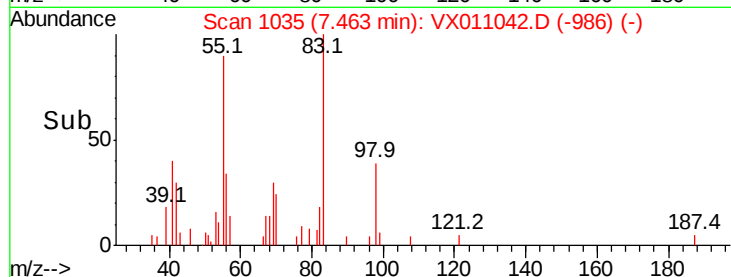
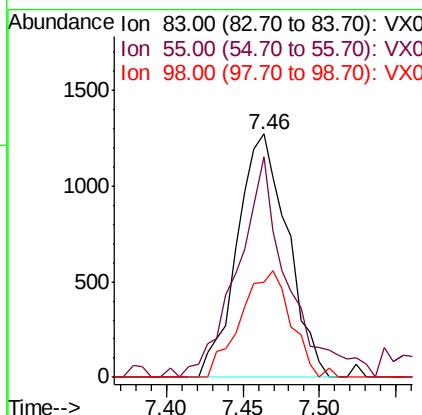
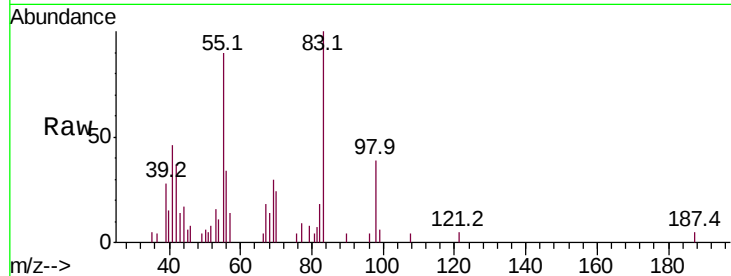
#39
Methylvlcyclohexane
Concen: 0.774 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	56.2	84.4#
98	39.0	39.0	58.4

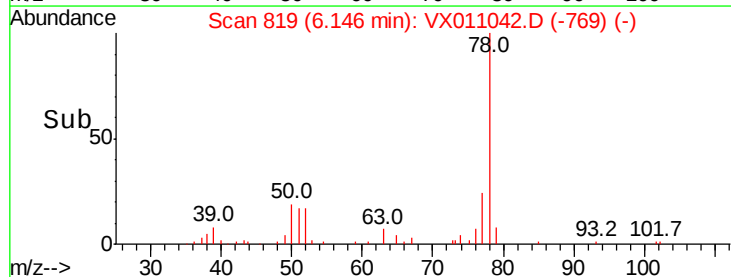
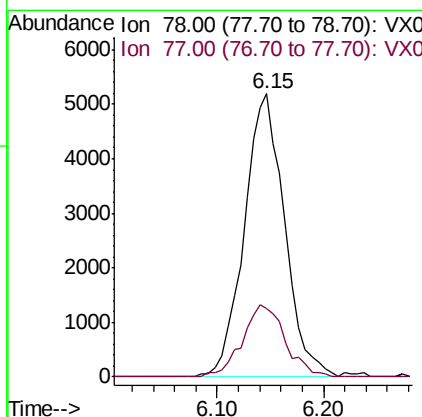
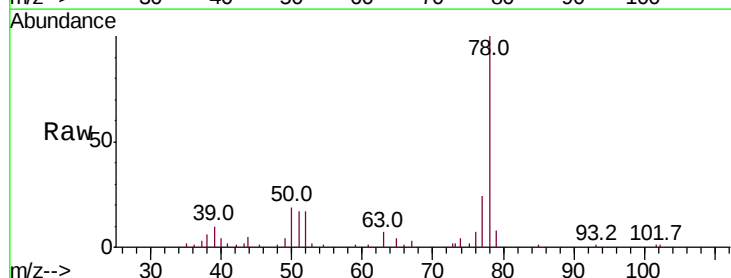
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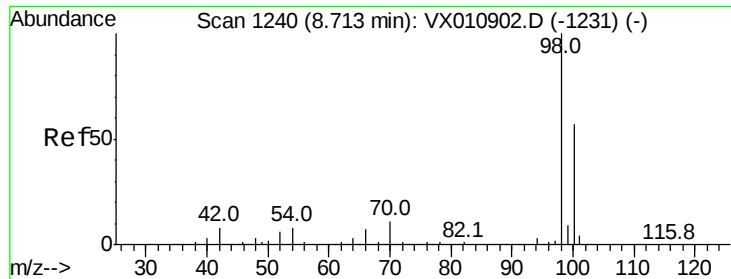
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#40
Benzene
Concen: 1.545 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





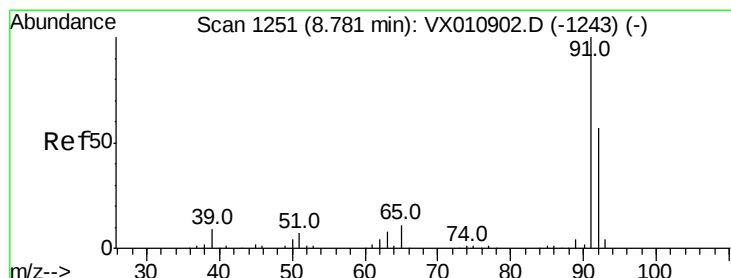
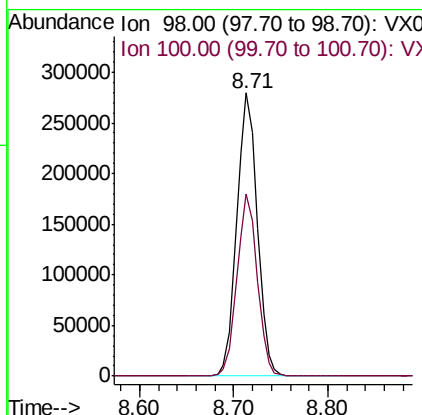
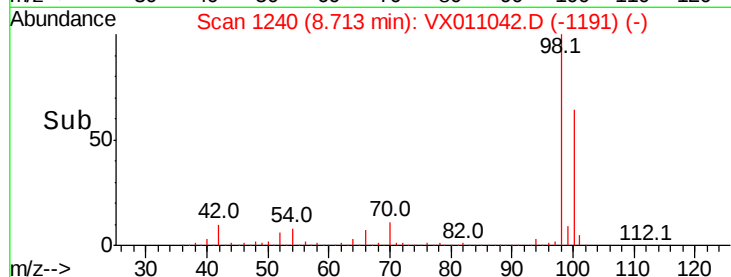
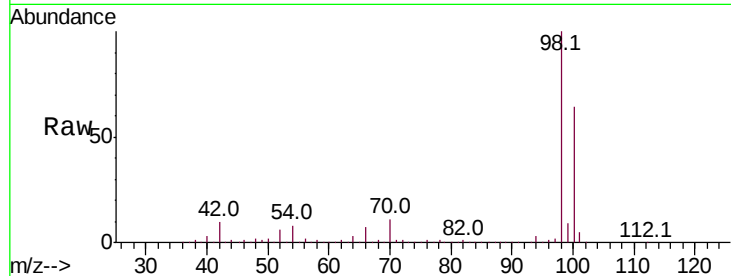
#50
Toluene-d8
Concen: 50.291 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tot Ion: 98 Resp: 423497
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8

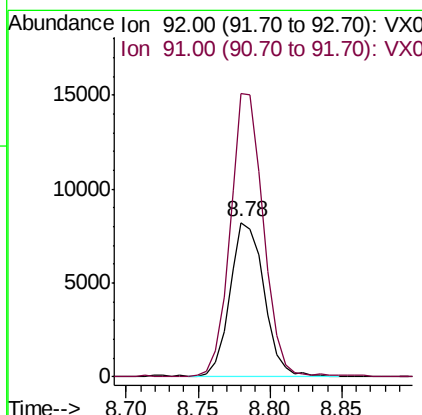
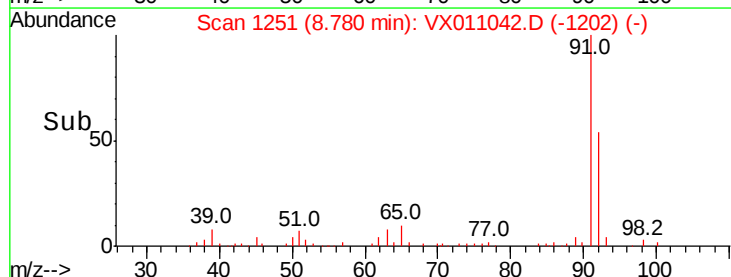
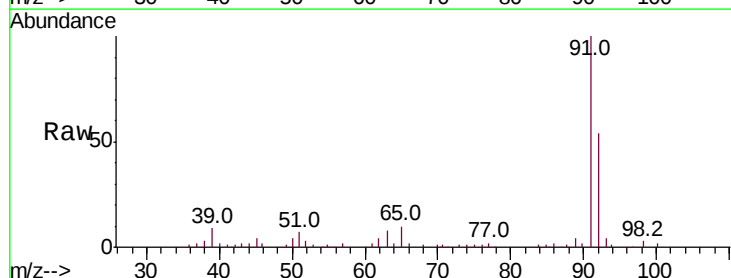
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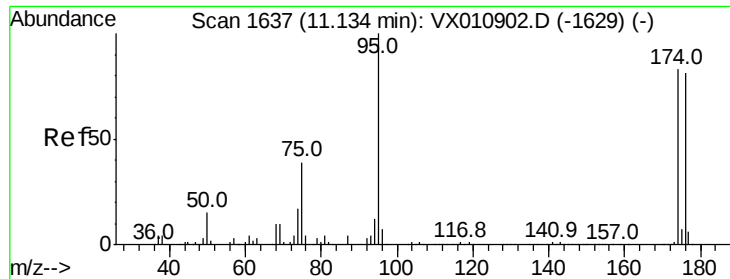
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#52
Toluene
Concen: 2.335 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Tgt Ion: 92 Resp: 13650
Ion Ratio Lower Upper
92 100
91 177.9 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 50.219 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Instrument :

MSVOA_X

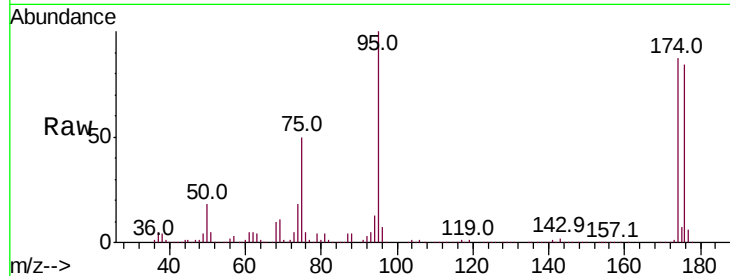
ClientSampleId :

TP-3

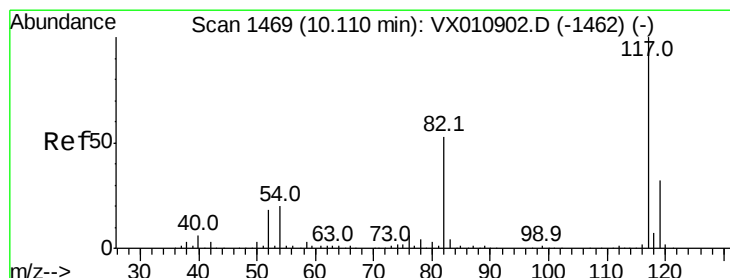
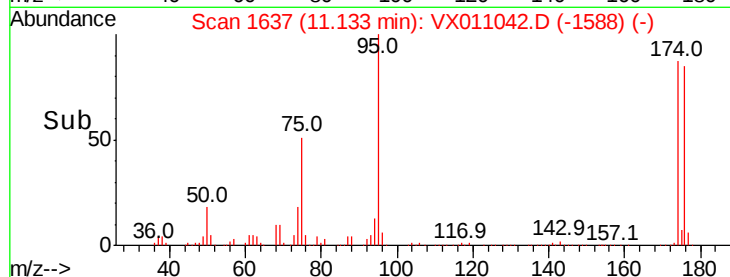
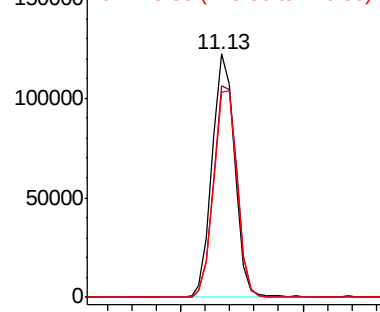
Tot Ion:	95	Resp:	155441
Ion Ratio	Lower	Upper	
95	100		
174	90.6	0.0	180.6
176	87.9	0.0	173.8

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX011042.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

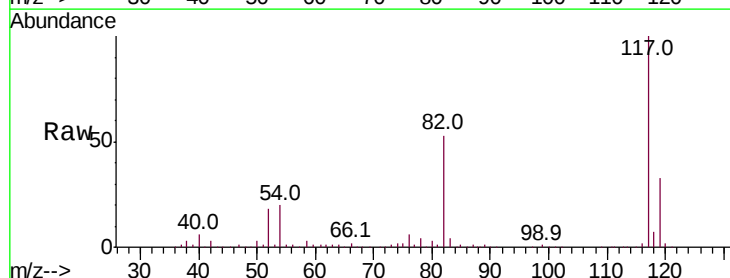
RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

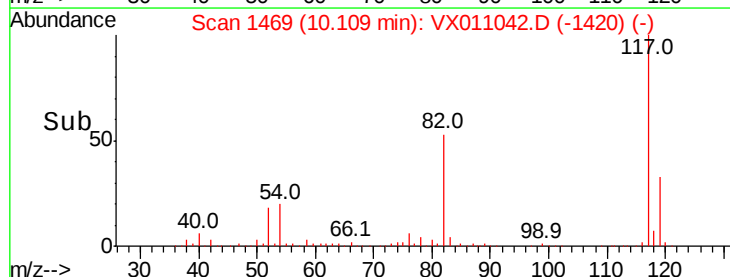
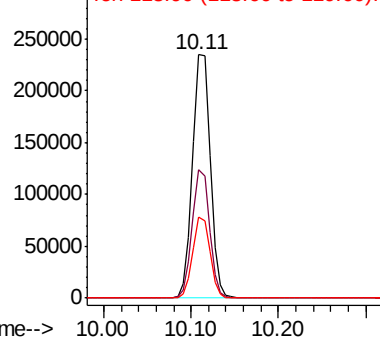
Lab File: VX011042.D

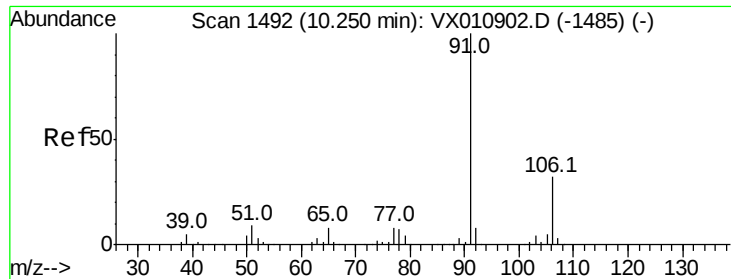
Acq: 22 Jul 2019 19:44

Tgt Ion:	117	Resp:	329496
Ion Ratio	Lower	Upper	
117	100		
82	53.0	42.6	63.8
119	33.1	25.9	38.9



Abundance Ion 116.90 (116.60 to 117.60): VX011042.D (-1420) (-)





#67

Ethyl Benzene

Concen: 0.978 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Instrument :

MSVOA_X

ClientSampled :

TP-3

Tot Ion: 91 Resp: 11265

Ion Ratio Lower Upper

91 100

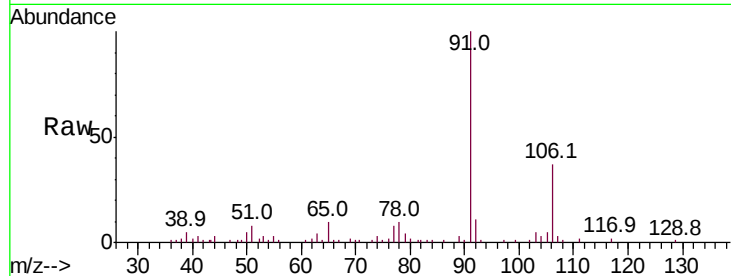
106 36.7 25.4 38.2

Manual Integrations

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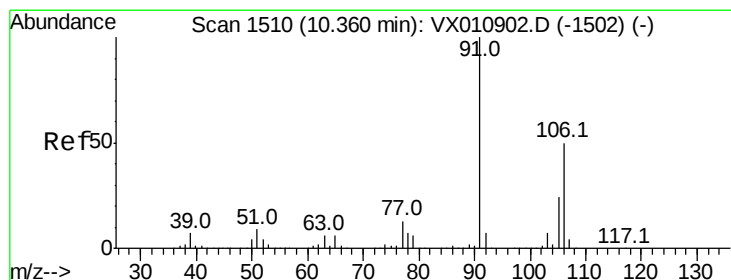
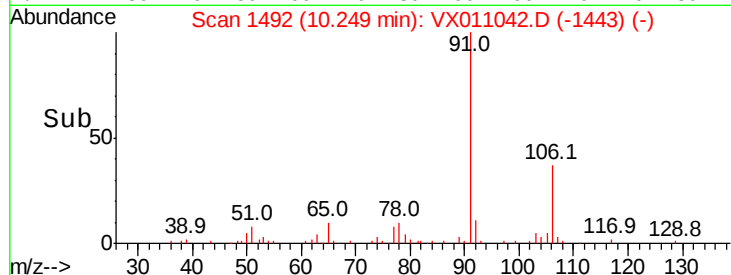
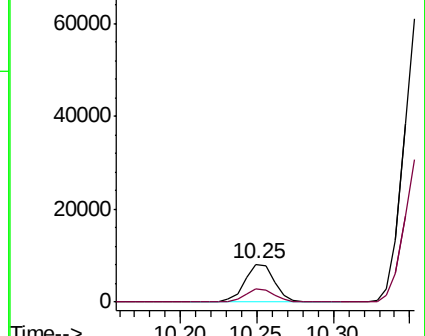
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.870 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011042.D

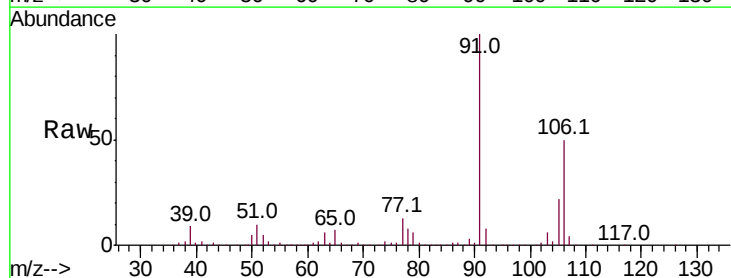
Acq: 22 Jul 2019 19:44

Tgt Ion:106 Resp: 43613

Ion Ratio Lower Upper

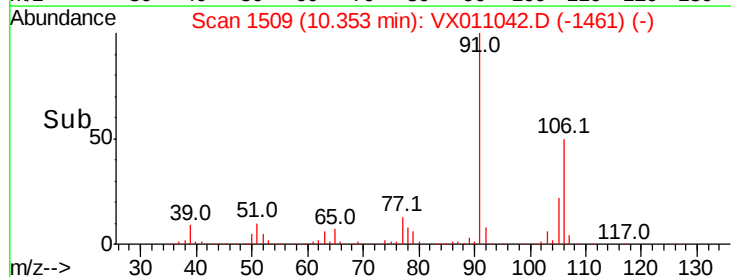
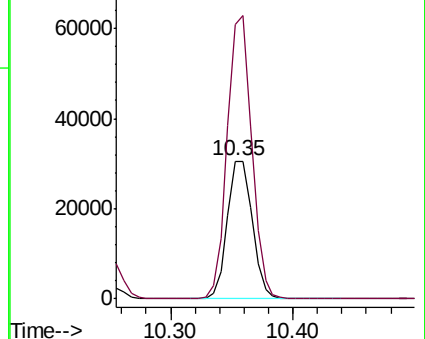
106 100

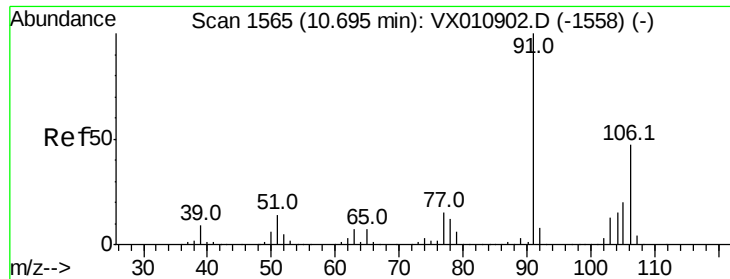
91 200.6 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





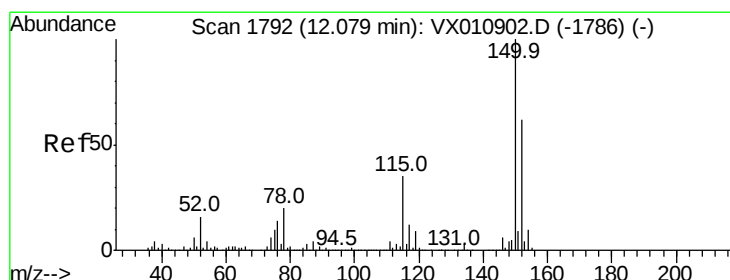
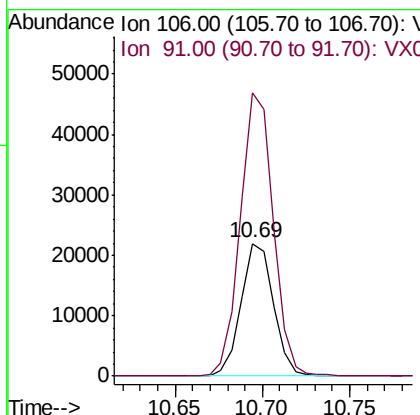
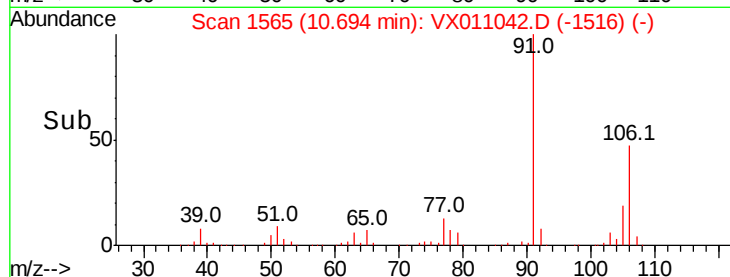
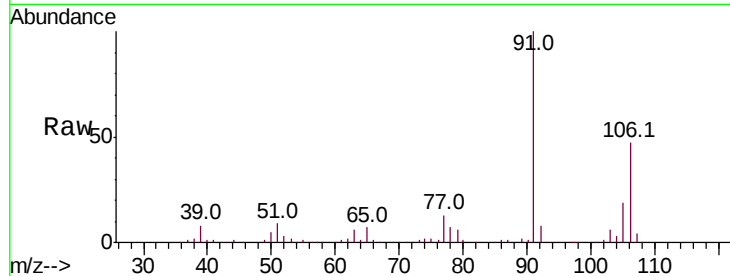
#69
o-Xylene
Concen: 6.559 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Instrument :
MSVOA_X
ClientSampled :
TP-3

Tot Ion:106 Resp: 28283
Ion Ratio Lower Upper
106 100
91 217.8 105.1 315.3

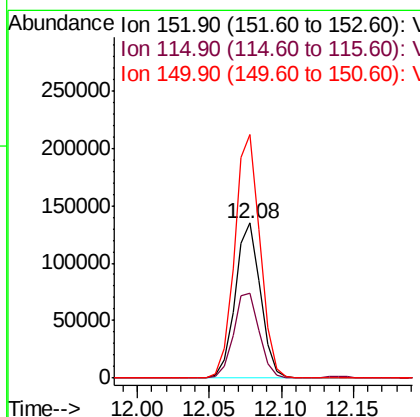
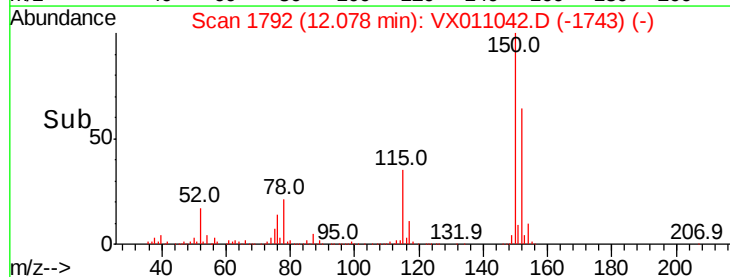
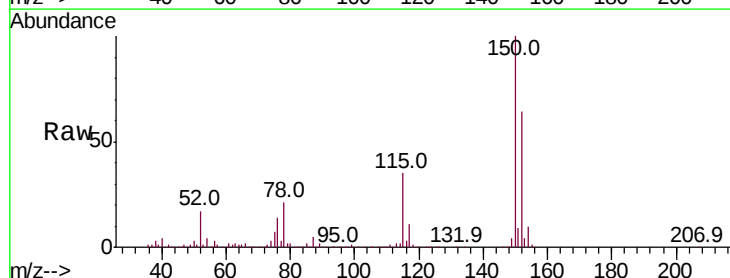
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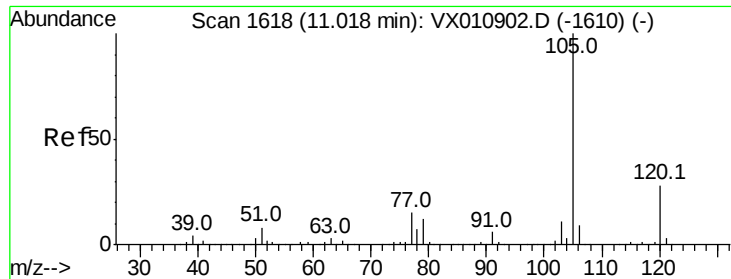
MMDadoda
7/23/2019 11:12:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Tgt Ion:152 Resp: 164652
Ion Ratio Lower Upper
152 100
115 56.0 39.7 119.1
150 158.6 0.0 345.6





#73

Isopropylbenzene

Concen: 0.512 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Instrument :

MSVOA_X

ClientSampled :

TP-3

Tot Ion: 105 Resp: 5694

Ion Ratio Lower Upper

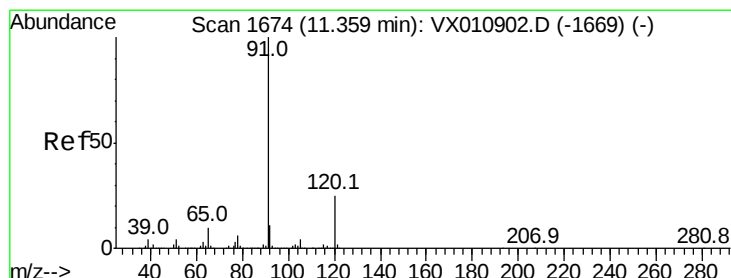
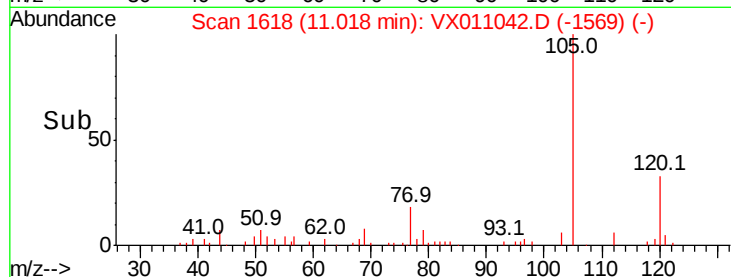
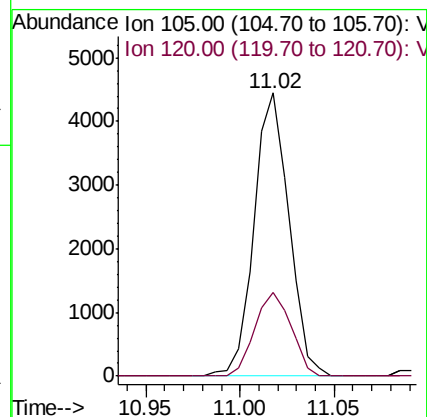
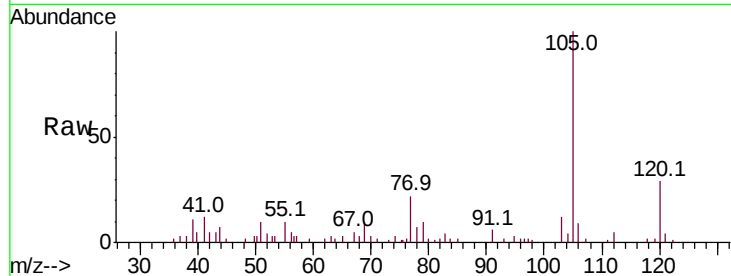
105 100

120 30.7 13.7 41.1

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#78

n-propylbenzene

Concen: 1.118 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011042.D

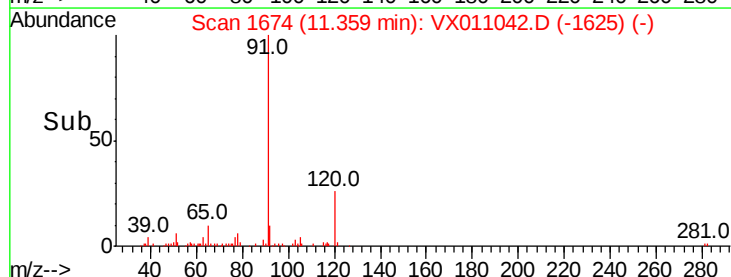
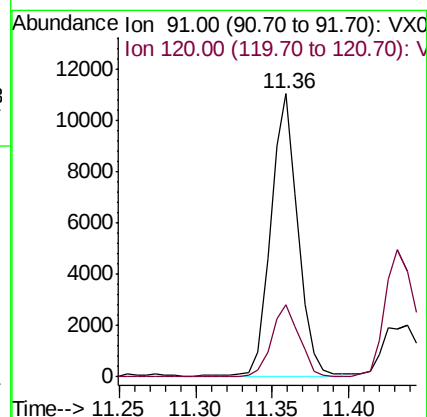
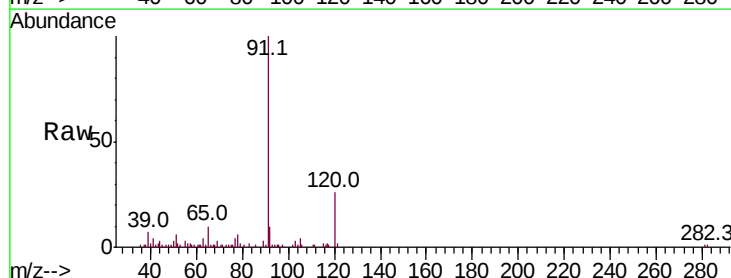
Acq: 22 Jul 2019 19:44

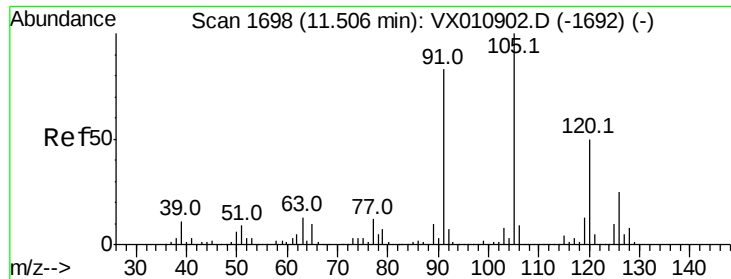
Tgt Ion: 91 Resp: 13748

Ion Ratio Lower Upper

91 100

120 25.9 12.3 36.8





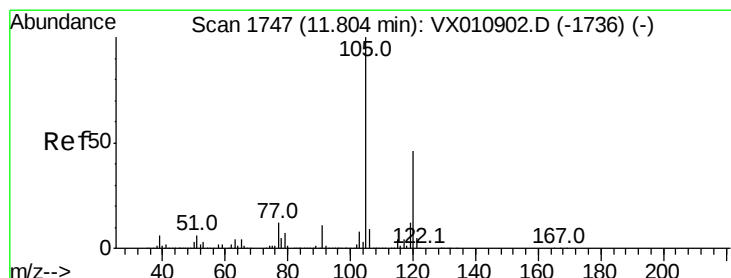
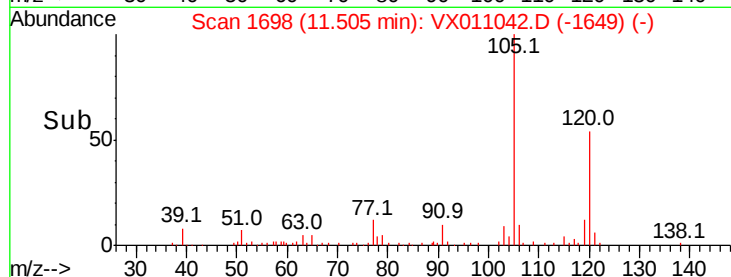
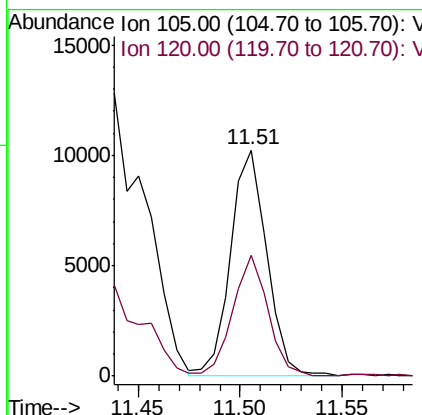
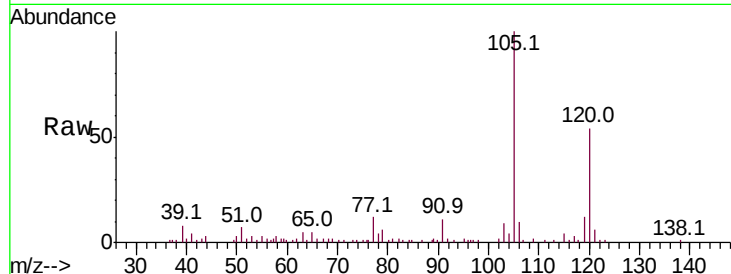
#80
 1,3,5-Trimethylbenzene
 Concen: 1.357 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011042.D
 Acq: 22 Jul 2019 19:44

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

Tot Ion:105 Resp: 12614
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.6 73.8

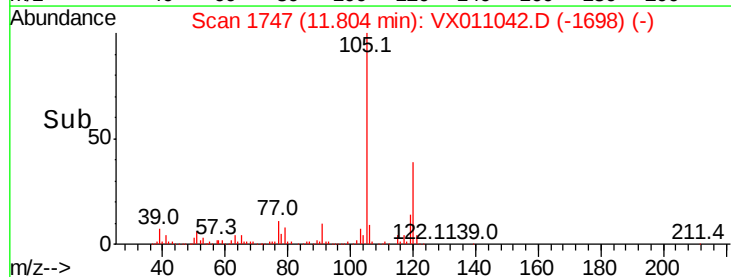
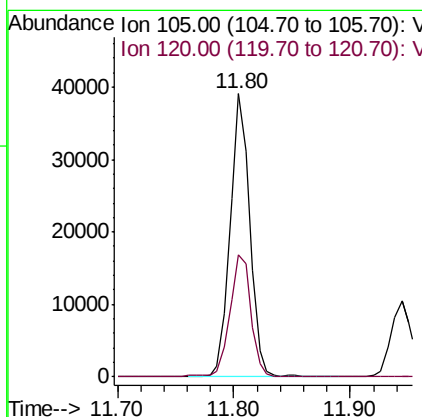
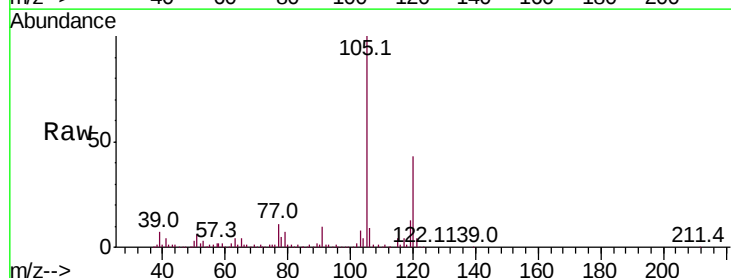
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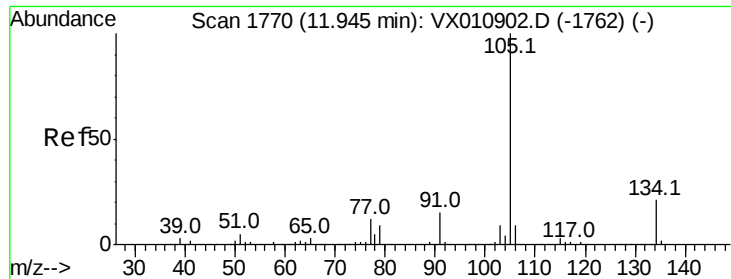
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 7/23/2019 11:12:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.906 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011042.D
 Acq: 22 Jul 2019 19:44

Tgt Ion:105 Resp: 45973
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 1.204 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

TP-3

Tot Ion:105 Resp: 12883

Ion Ratio Lower Upper

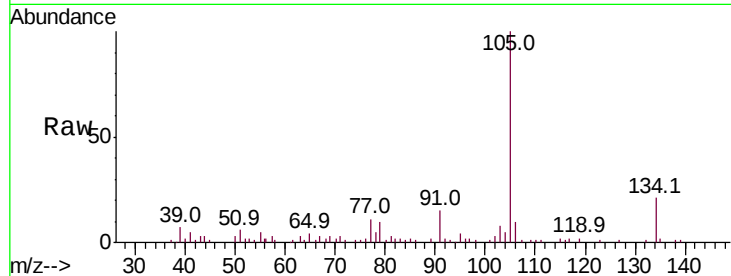
105 100

134 19.9 10.4 31.4

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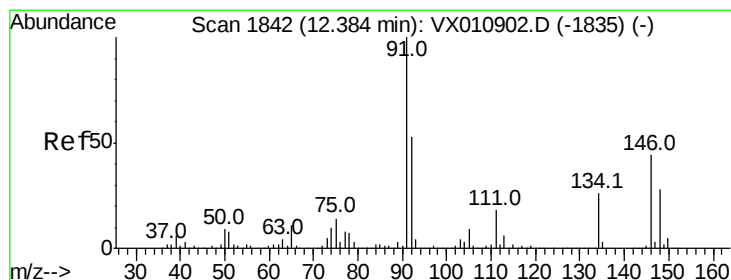
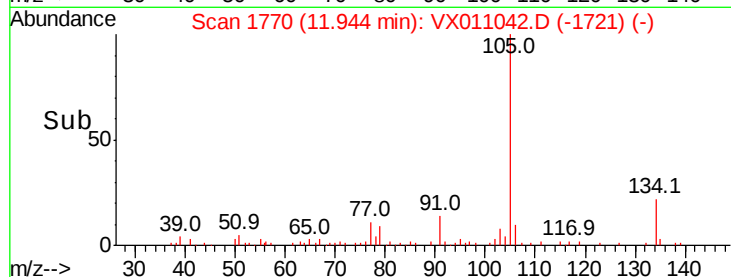
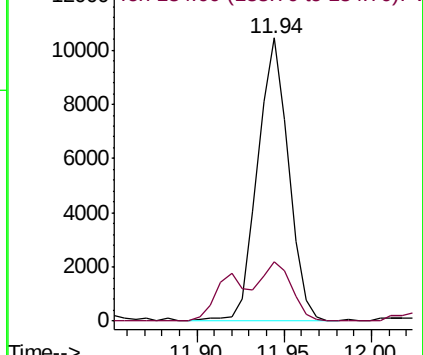
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.889 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011042.D

Acq: 22 Jul 2019 19:44

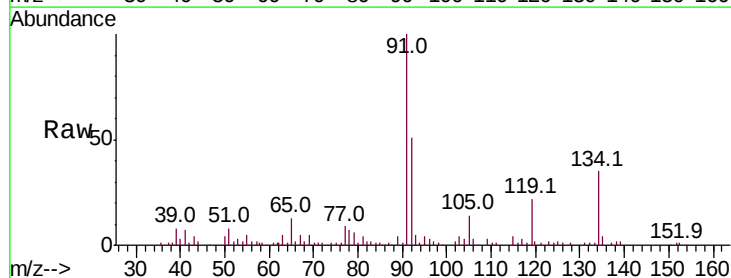
Tgt Ion: 91 Resp: 15987

Ion Ratio Lower Upper

91 100

92 57.3 26.2 78.5

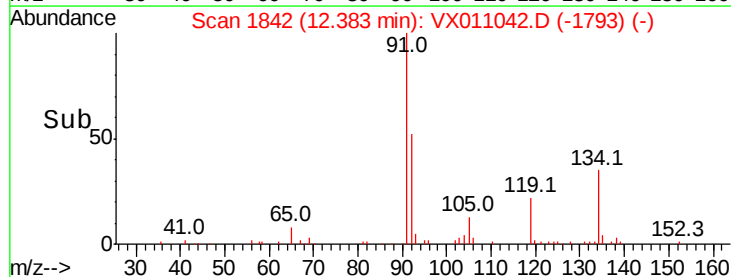
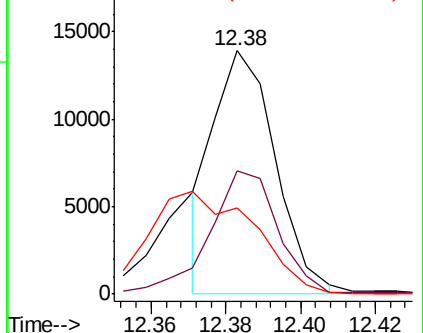
134 71.5 13.8 41.3#

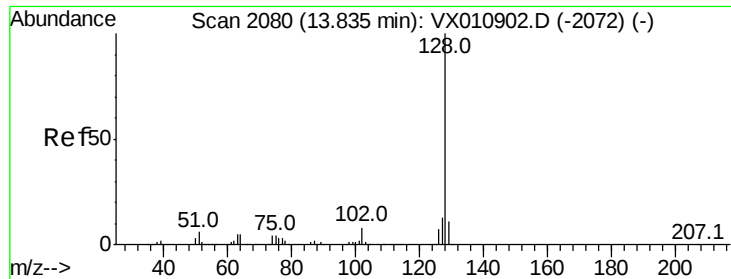


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 16.805 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011042.D
Acq: 22 Jul 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.1	10.4	15.6
129	13.7	8.9	13.3

Manual Integrations
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7/23/2019 11:12:03 AM

