

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006704.D
 Acq On : 21 Dec 2018 04:41
 Operator : JC/MD
 Sample : J6517-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

Manual Integrations
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 12/21/2018 10:19:38 AM

Quant Time: Dec 21 08:09:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	657103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1014615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	945180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454938	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	345391	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
35) Dibromofluoromethane	5.51	113	298089	46.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.92%	
50) Toluene-d8	8.71	98	1205492	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.14	95	452107	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	29671	9.119	ug/l	97
25) 2-Butanone	4.70	43	14665	3.204	ug/l	93
31) Cyclohexane	5.58	56	239056	24.382	ug/l	92
39) Methylcyclohexane	7.46	83	517119	46.742	ug/l	97
40) Benzene	6.15	78	132684	5.194	ug/l	99
52) Toluene	8.79	92	29806	1.806	ug/l	97
67) Ethyl Benzene	10.25	91	201430	6.165	ug/l	97
68) m/p-Xylenes	10.36	106	24936	1.934	ug/l	96
69) o-Xylene	10.70	106	5081	0.399	ug/l	97
73) Isopropylbenzene	11.02	105	2392237	76.863	ug/l	99
78) n-propylbenzene	11.36	91	5727991	167.129	ug/l	99
83) tert-Butylbenzene	11.77	119	30058	1.172	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	12176m	0.452	ug/l	
85) sec-Butylbenzene	11.94	105	400579	12.734	ug/l	98
86) p-Isopropyltoluene	12.07	119	20750m	0.750	ug/l	
89) n-Butylbenzene	12.39	91	635504	27.005	ug/l #	78
95) Naphthalene	13.83	128	3629700	108.681	ug/l	98

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

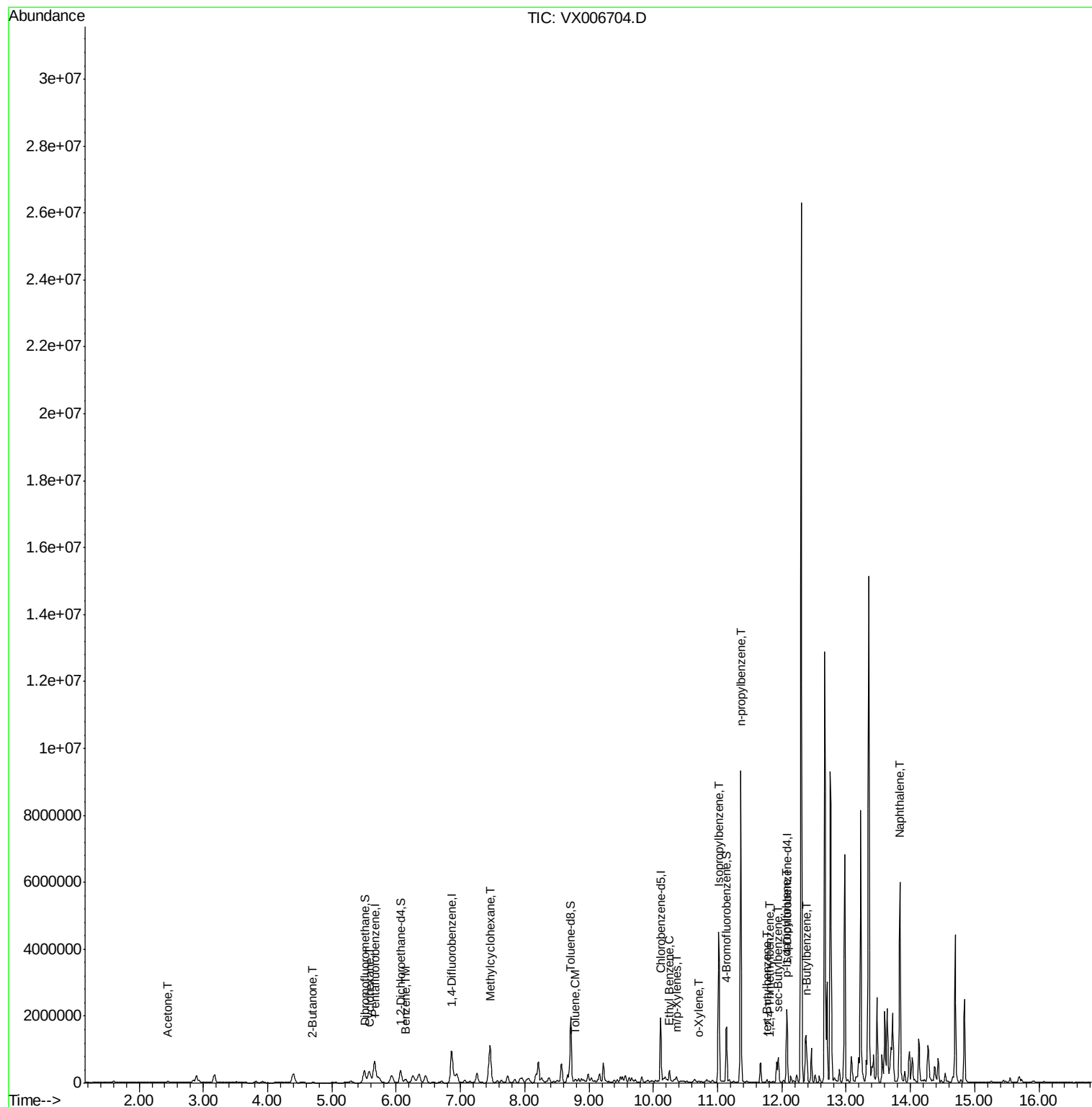
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006704.D
Acq On : 21 Dec 2018 04:41
Operator : JC/MD
Sample : J6517-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

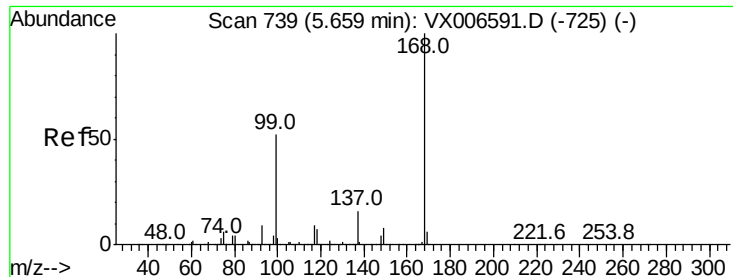
Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

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Quant Time: Dec 21 08:09:23 2018
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion:168 Resp: 657103

Ion Ratio Lower Upper

168 100

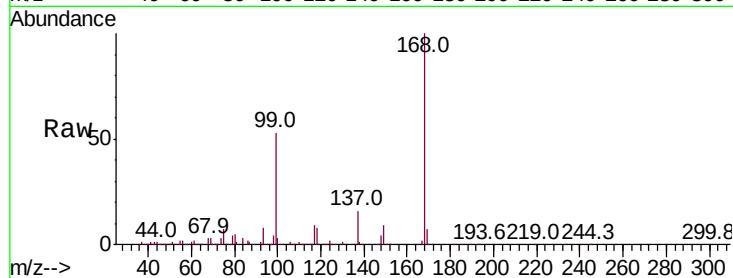
99 53.3 41.8 62.8

Manual Integrations

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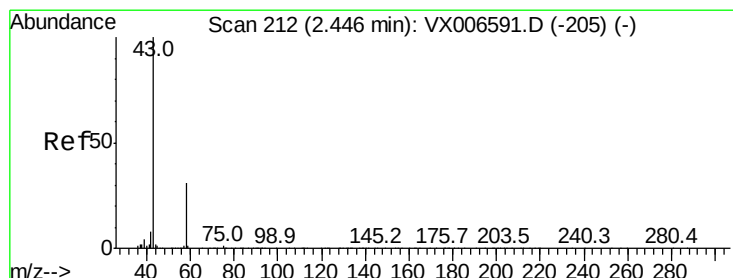
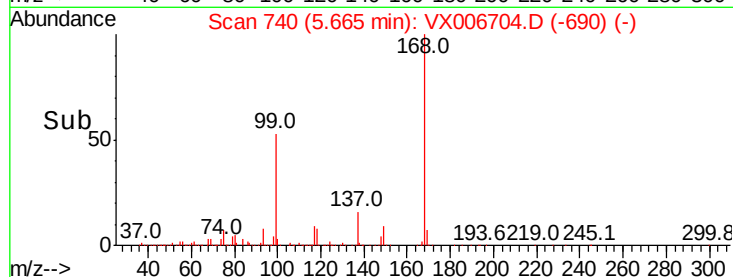
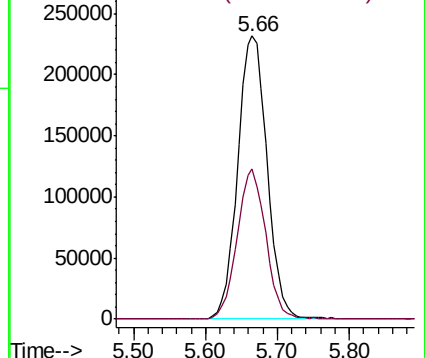
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 9.119 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006704.D

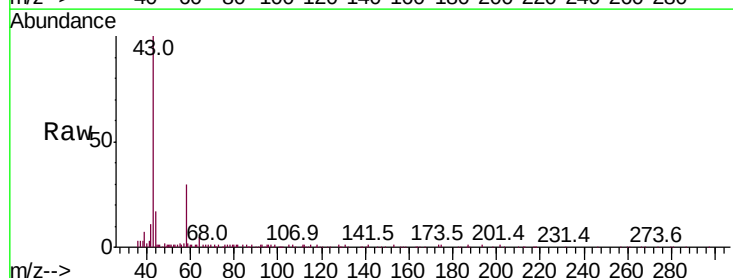
Acq: 21 Dec 2018 04:41

Tgt Ion: 43 Resp: 29671

Ion Ratio Lower Upper

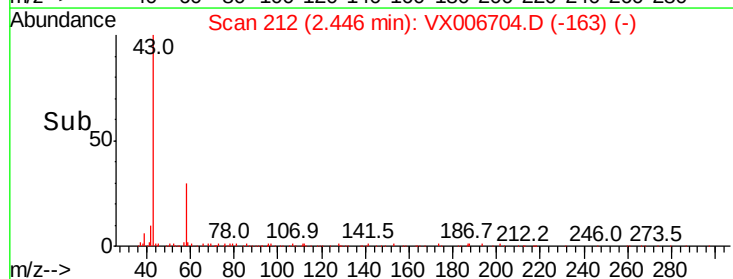
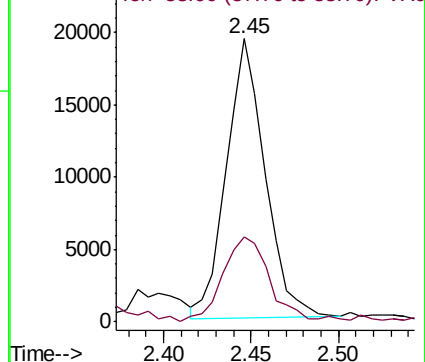
43 100

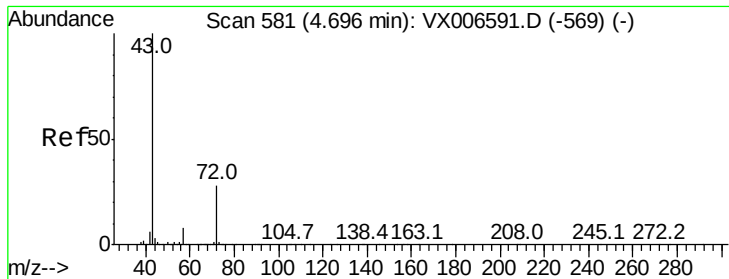
58 29.4 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 3.204 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 43 Resp: 14665

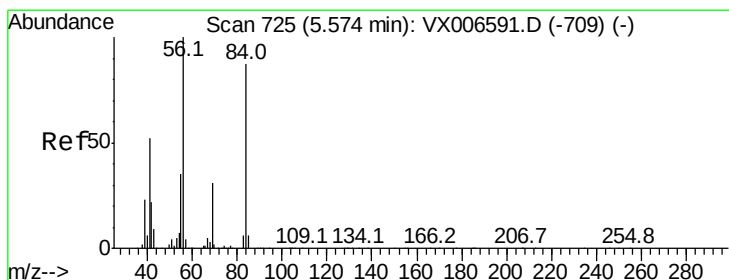
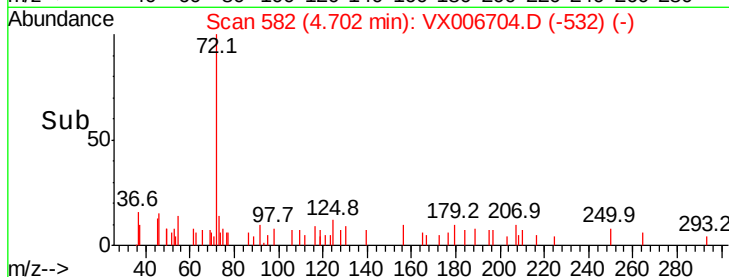
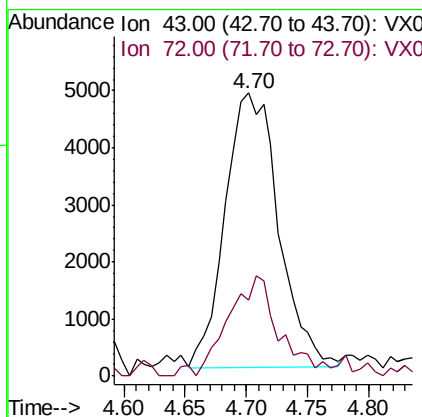
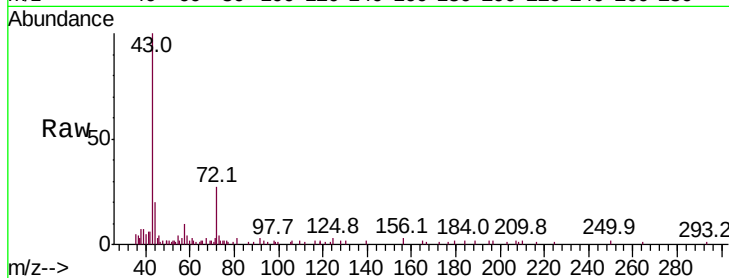
Ion Ratio Lower Upper

43 100

72 24.2 22.4 33.6

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#31

Cyclohexane

Concen: 24.382 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

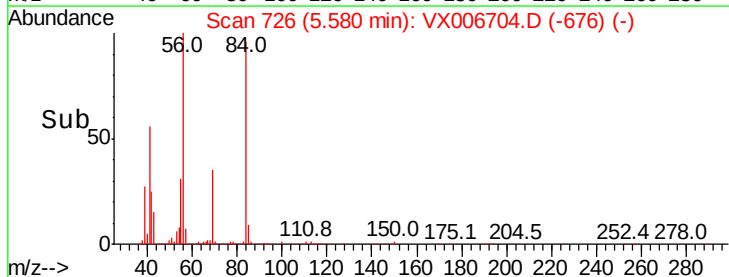
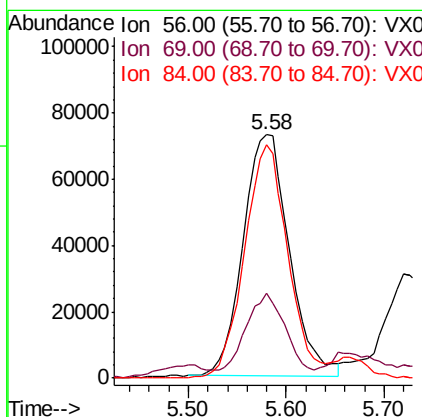
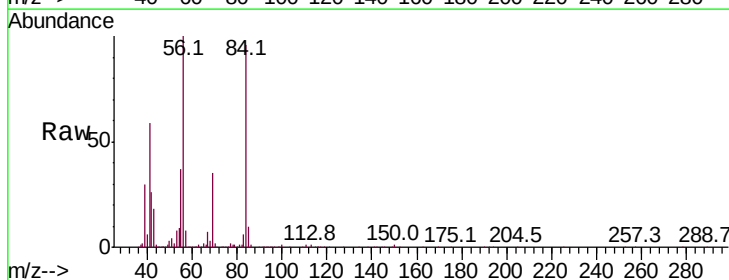
Tgt Ion: 56 Resp: 239056

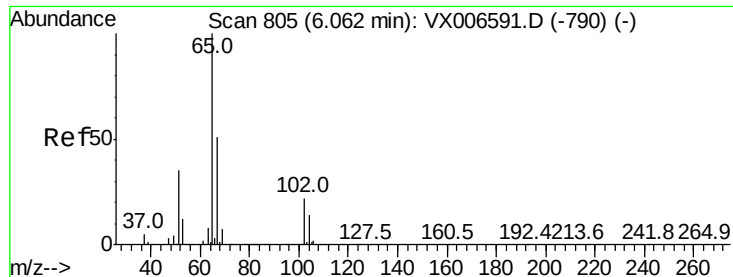
Ion Ratio Lower Upper

56 100

69 29.9 24.4 36.6

84 96.9 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 48.770 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 65 Resp: 345391

Ion Ratio Lower Upper

65 100

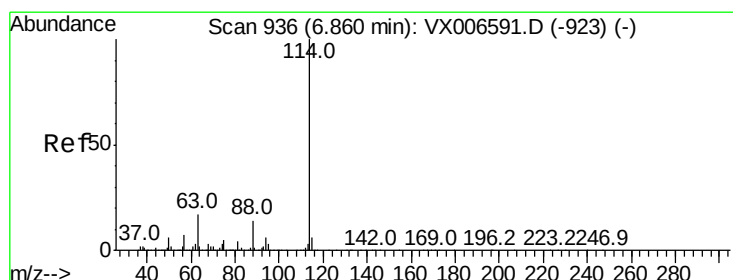
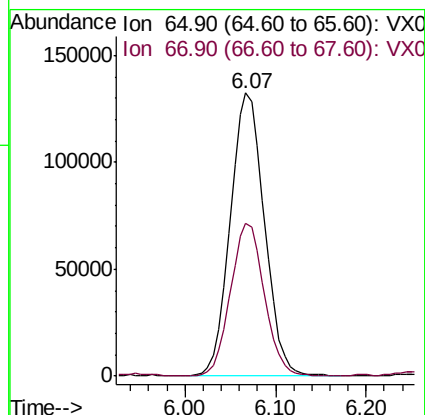
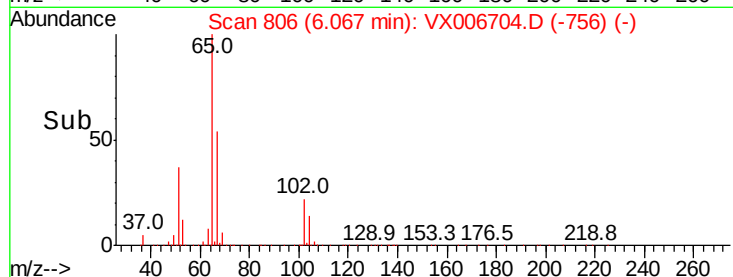
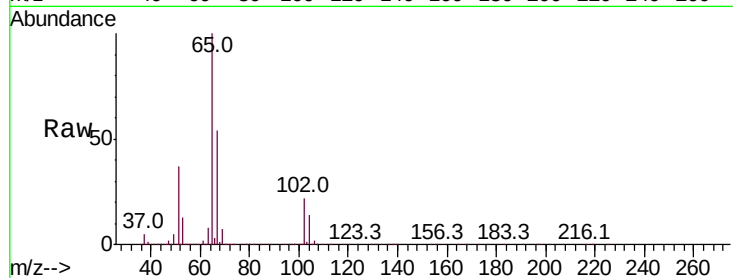
67 53.2 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

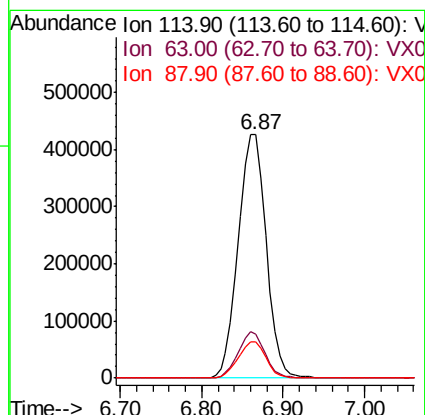
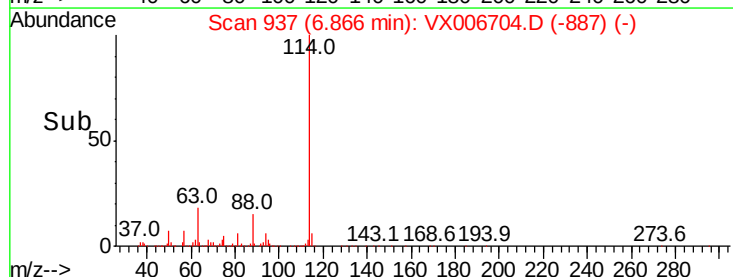
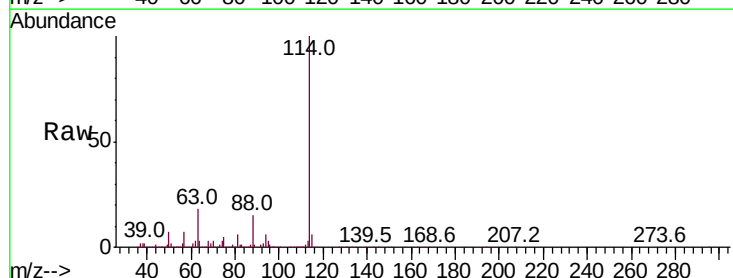
Tgt Ion: 114 Resp: 1014615

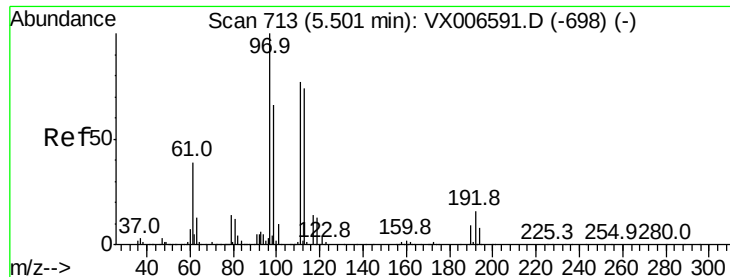
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

88 14.7 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.459 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

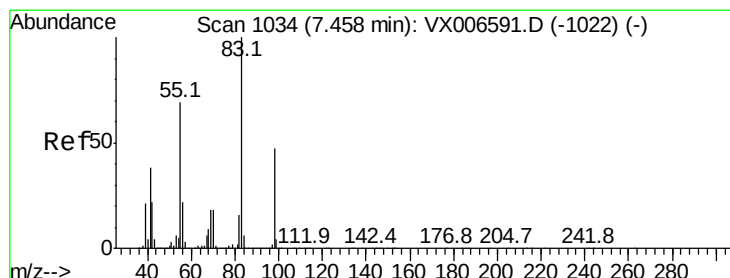
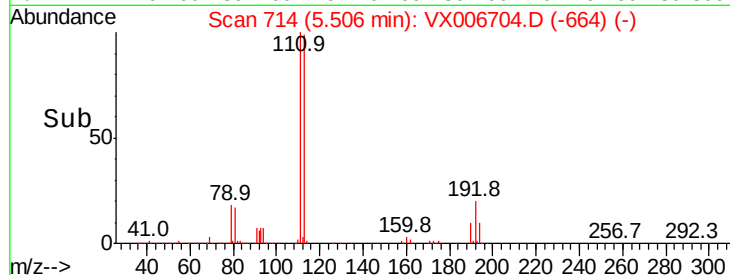
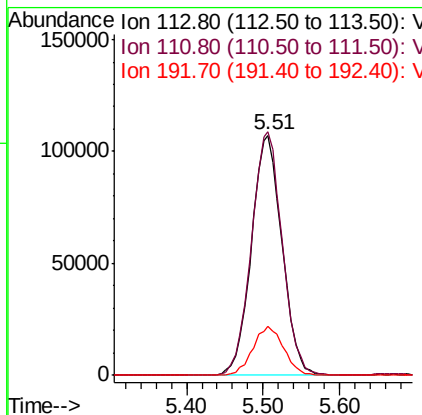
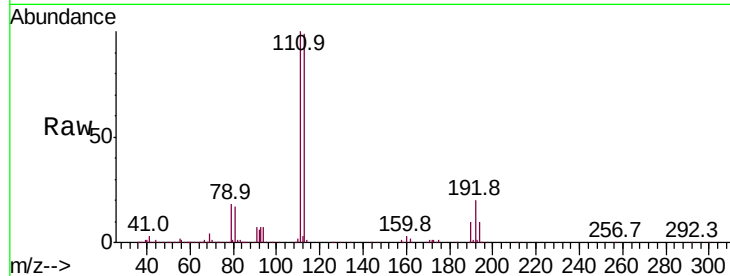
ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion:	113	Resp:	298089
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.6	122.4
192	20.6	16.7	25.1

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#39

Methylcyclohexane

Concen: 46.742 ug/l

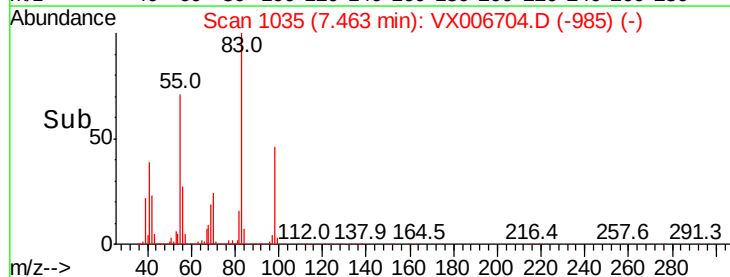
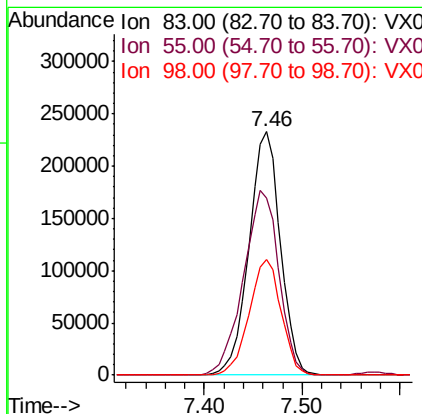
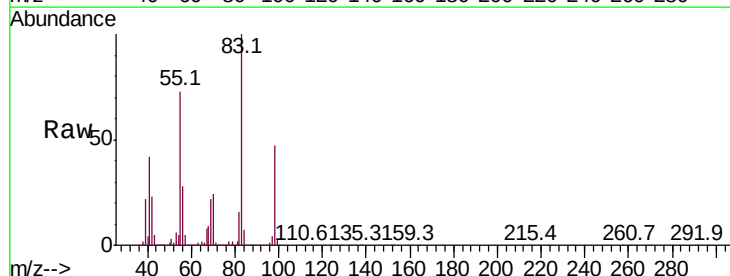
RT: 7.46 min Scan# 1035

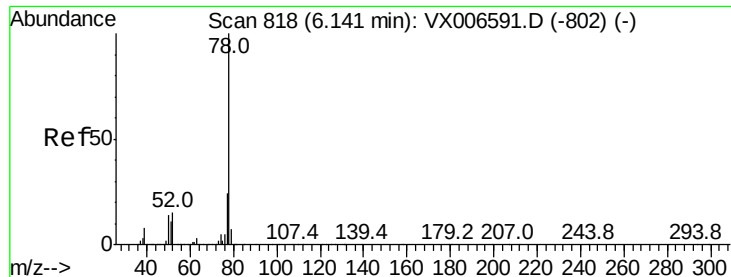
Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Tgt Ion:	83	Resp:	517119
Ion Ratio	Lower	Upper	
83	100		
55	72.4	54.9	82.3
98	47.4	37.9	56.9





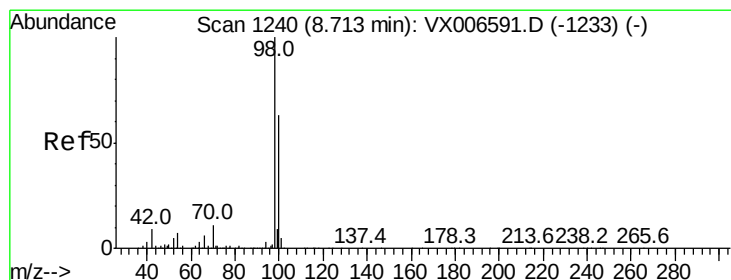
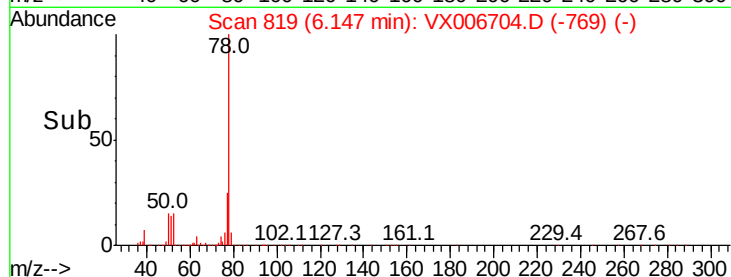
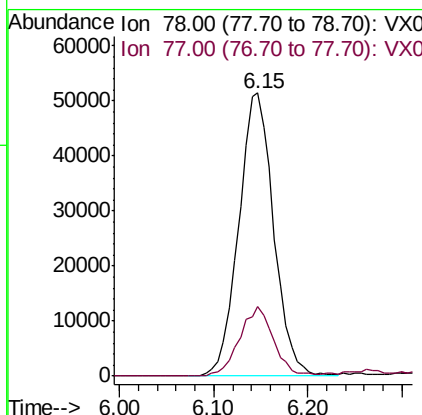
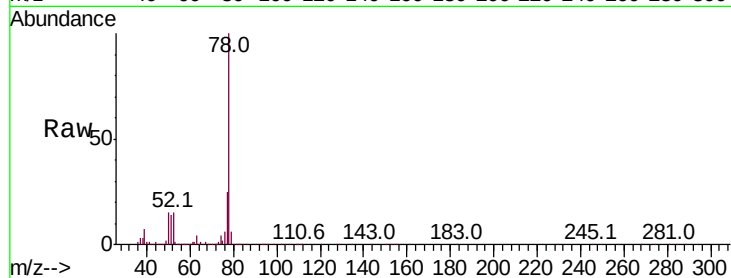
#40
Benzene
Concen: 5.194 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

Tot Ion: 78 Resp: 132684
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8

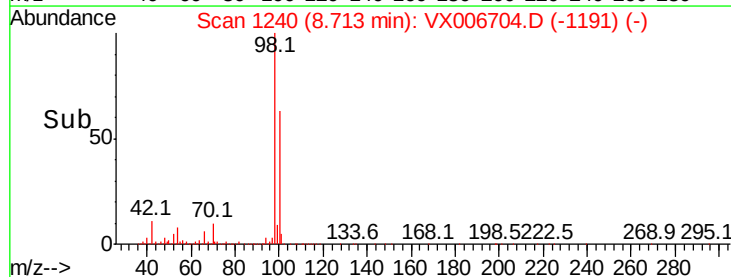
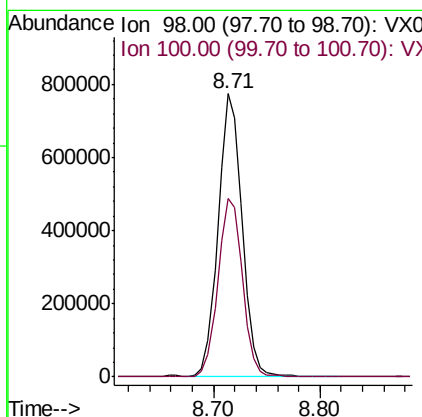
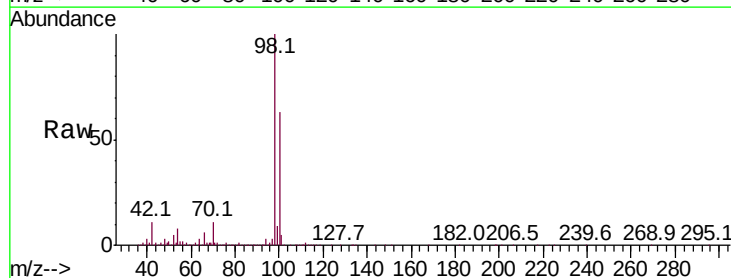
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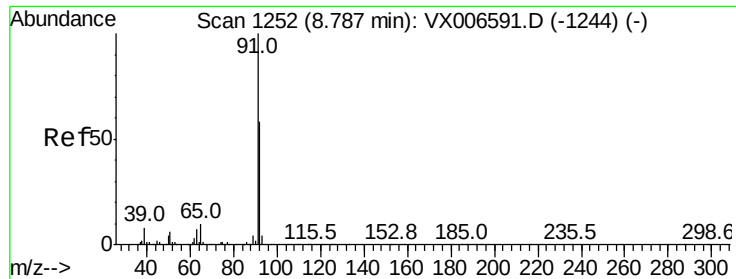
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#50
Toluene-d8
Concen: 49.835 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion: 98 Resp: 1205492
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#52

Toluene

Concen: 1.806 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 92 Resp: 29806

Ion Ratio Lower Upper

92 100

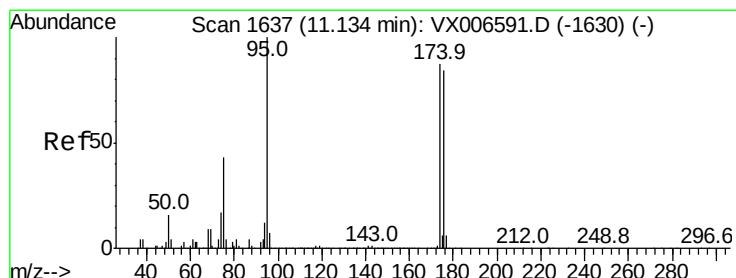
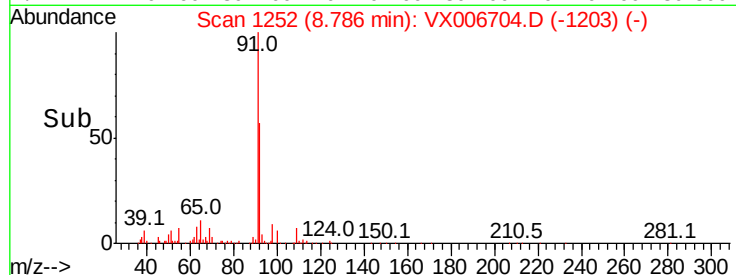
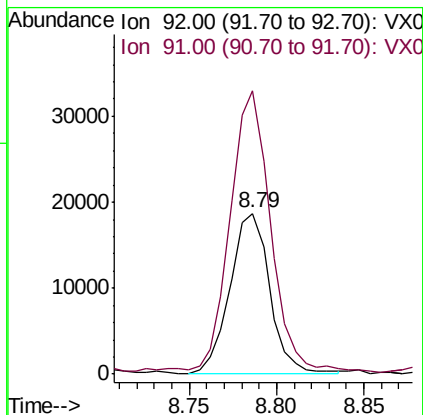
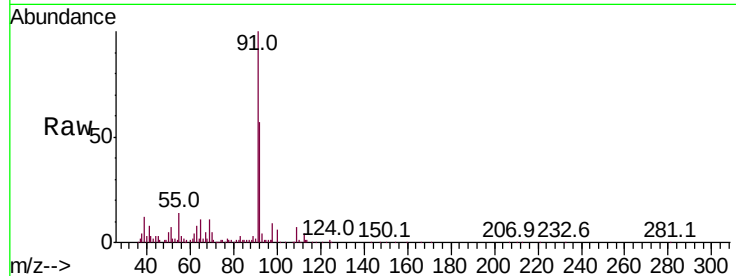
91 176.5 137.6 206.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.033 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

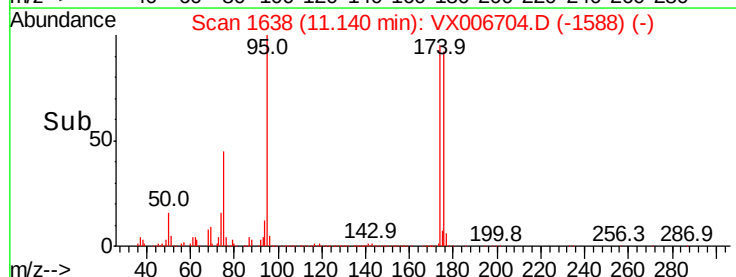
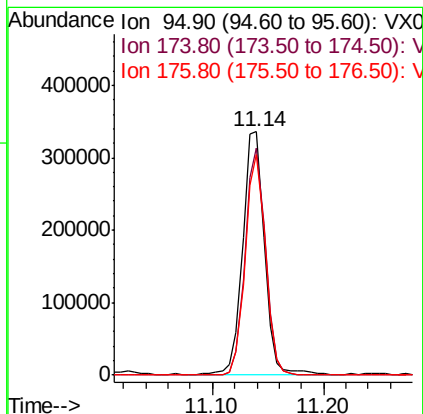
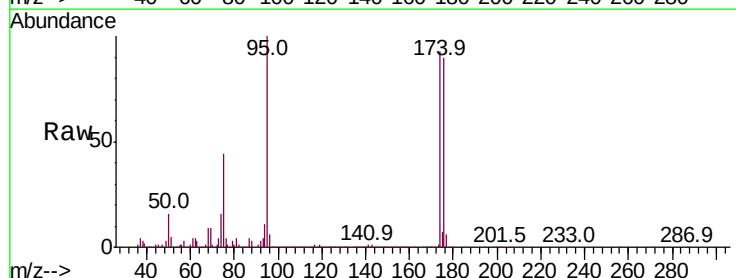
Tgt Ion: 95 Resp: 452107

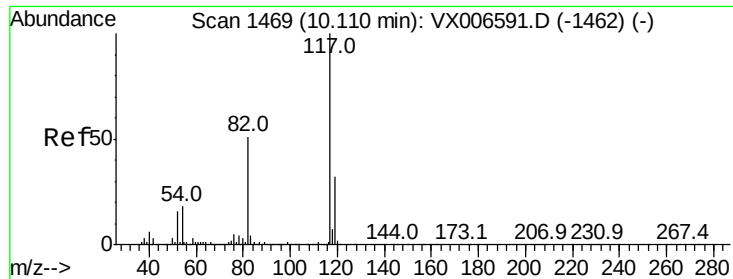
Ion Ratio Lower Upper

95 100

174 87.7 0.0 182.2

176 84.9 0.0 178.8





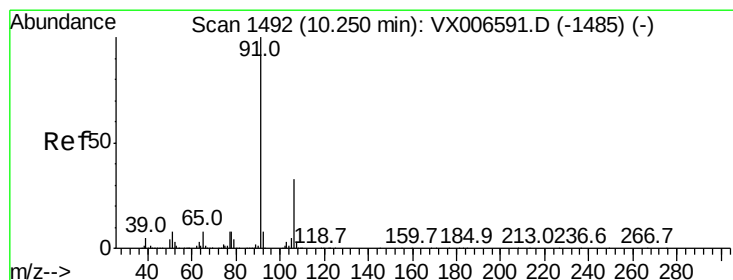
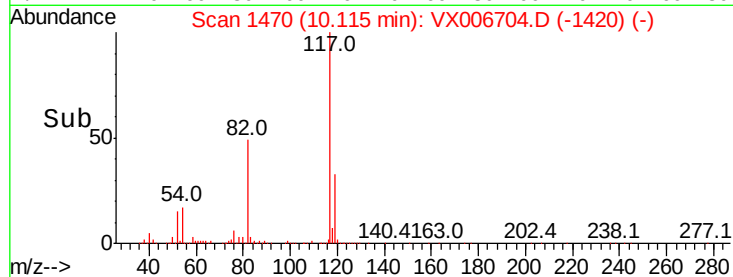
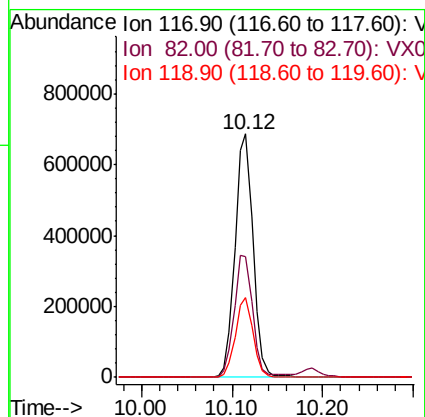
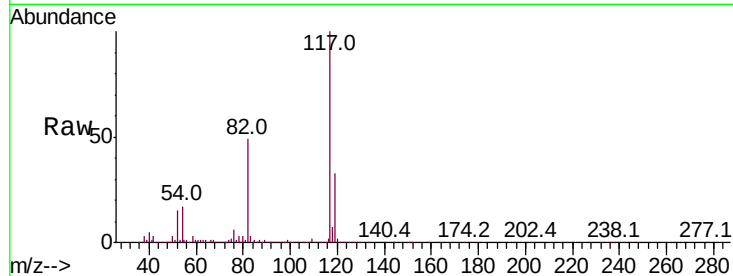
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.6
119	32.7	25.4	38.0

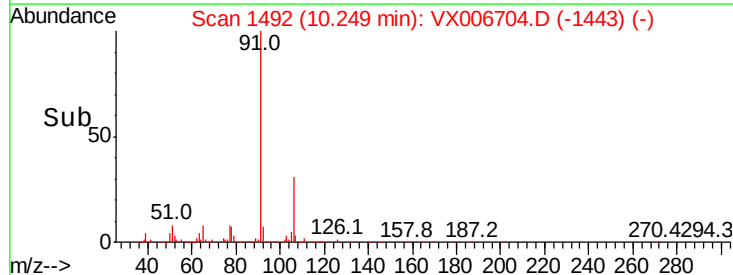
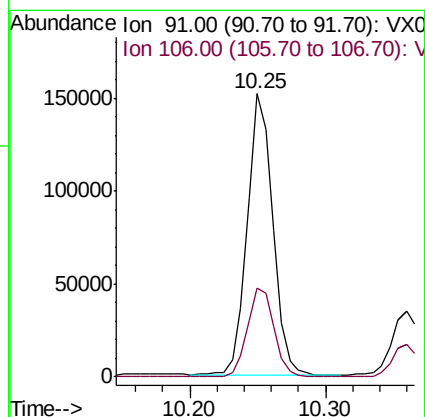
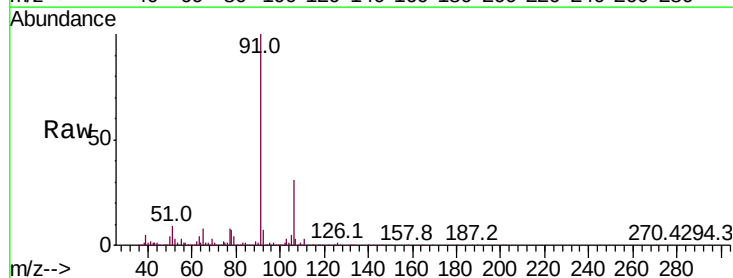
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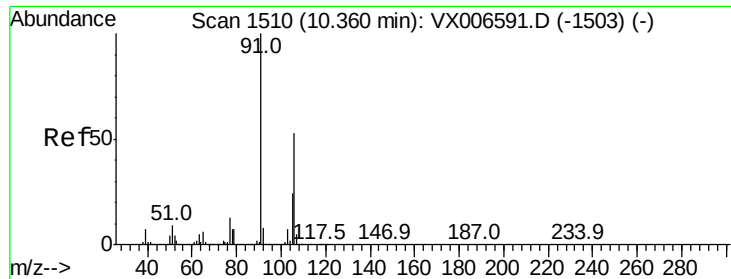
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#67
Ethyl Benzene
Concen: 6.165 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	26.4	39.6





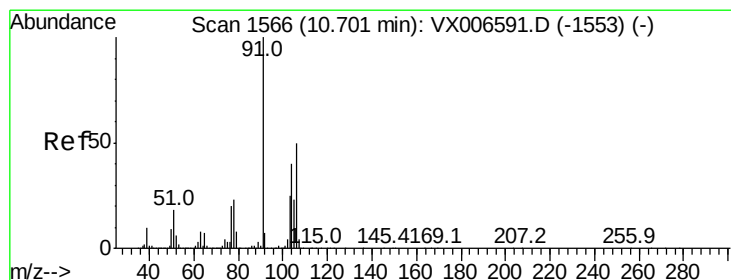
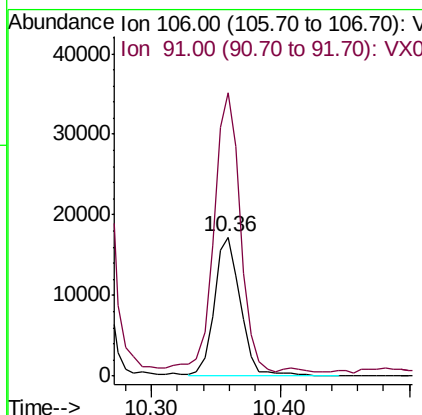
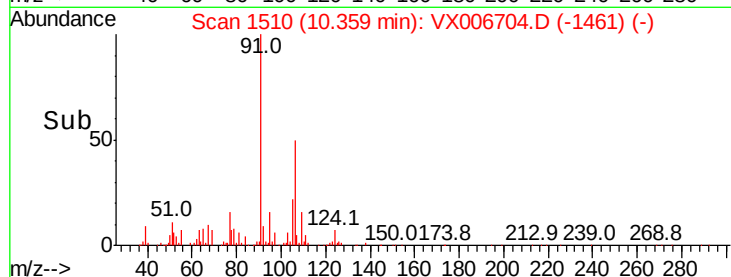
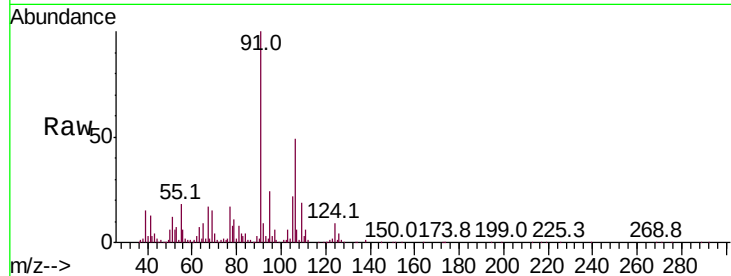
#68
m/p-Xylenes
Concen: 1.934 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

Tot Ion:106 Resp: 24936
Ion Ratio Lower Upper
106 100
91 200.2 155.8 233.6

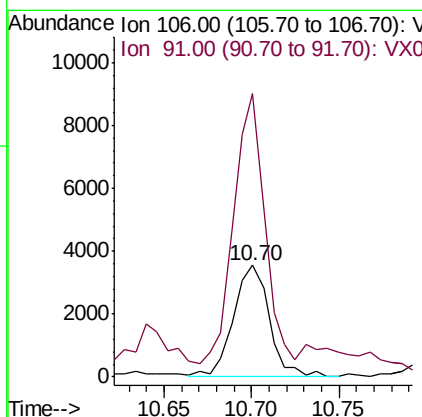
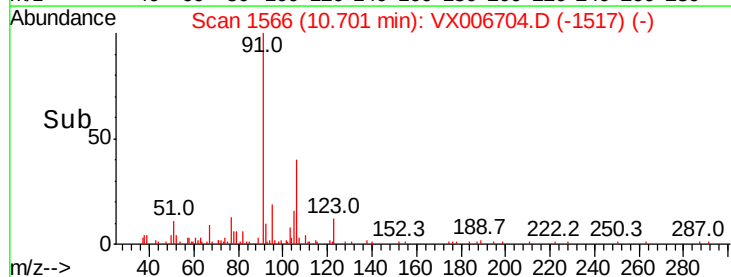
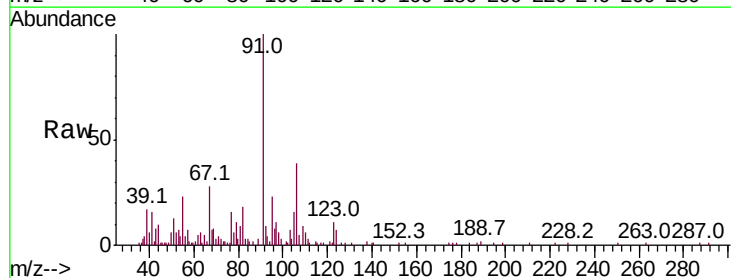
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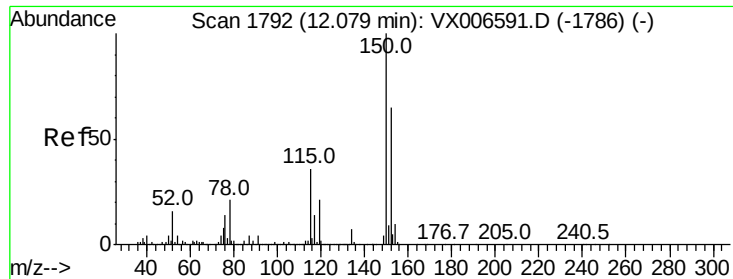
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#69
o-Xylene
Concen: 0.399 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion:106 Resp: 5081
Ion Ratio Lower Upper
106 100
91 206.5 101.3 303.7





#72

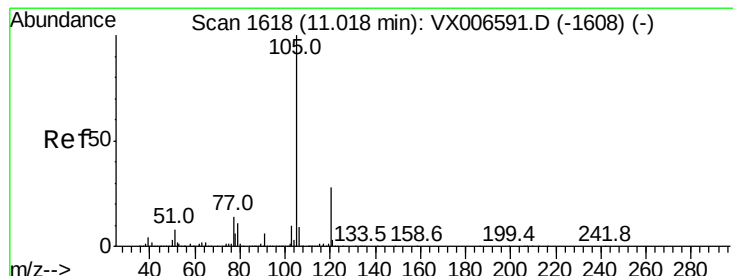
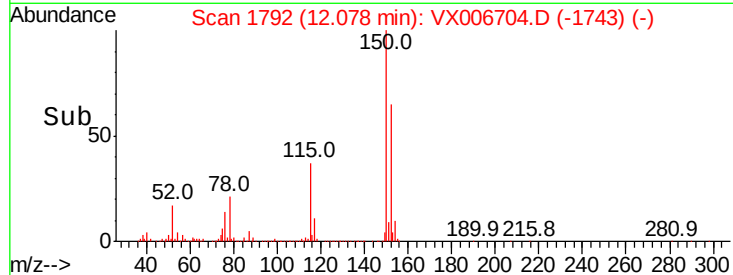
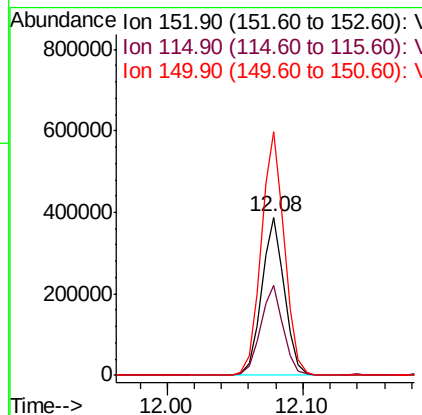
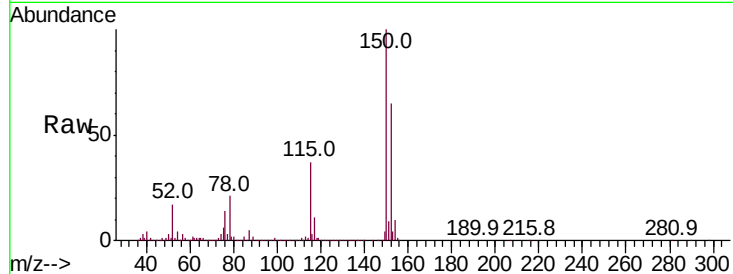
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.1	117.2
150	156.6	0.0	344.8

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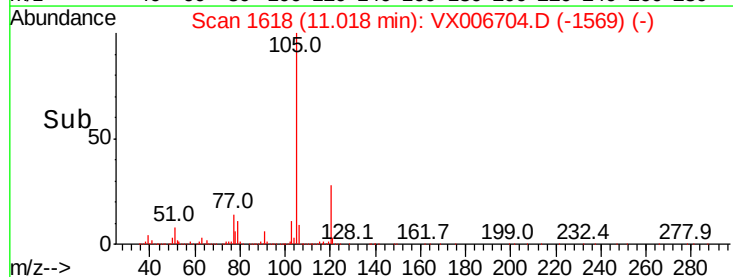
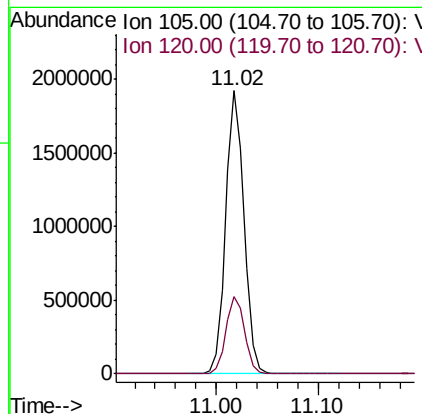
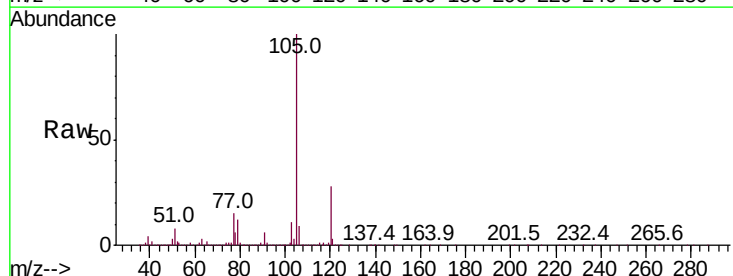
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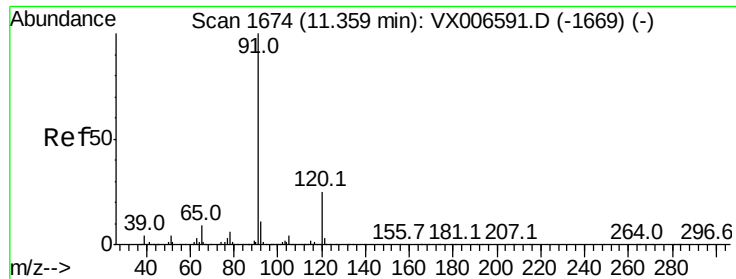


#73

Isopropylbenzene
Concen: 76.863 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	14.1	42.4





#78

n-propylbenzene

Concen: 167.129 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion: 91 Resp: 5727991

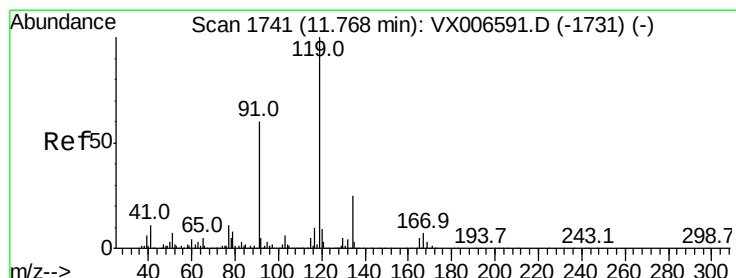
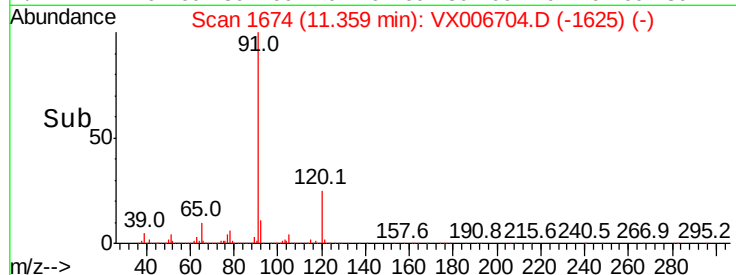
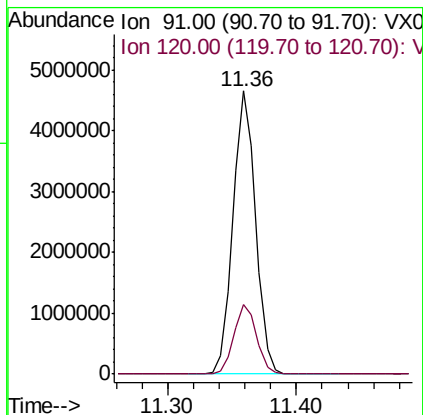
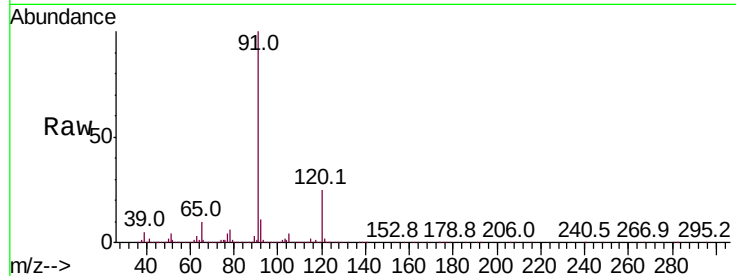
Ion Ratio Lower Upper

91 100

120 24.8 12.7 38.0

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#83

tert-Butylbenzene

Concen: 1.172 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

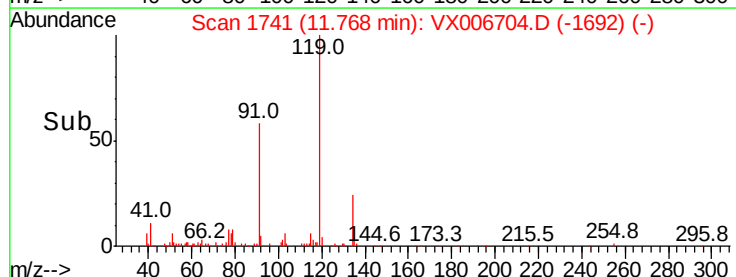
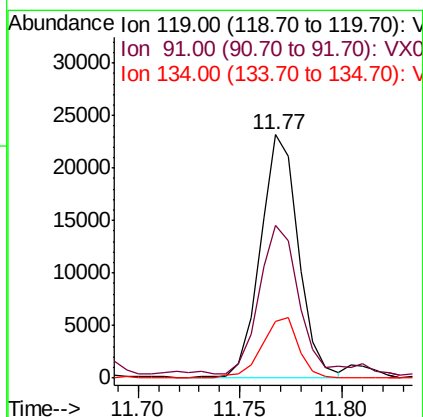
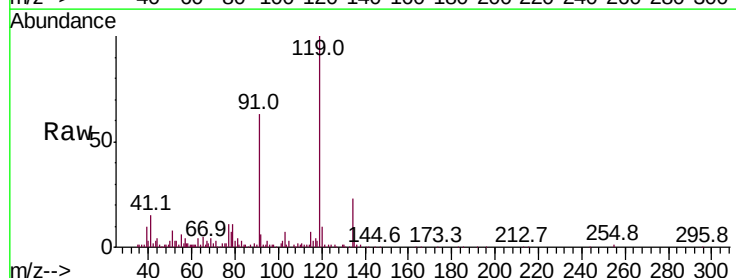
Tgt Ion: 119 Resp: 30058

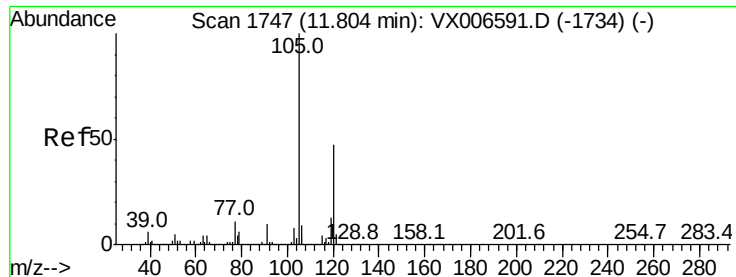
Ion Ratio Lower Upper

119 100

91 66.8 27.7 83.1

134 24.3 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 0.452 ug/l m

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006704.D

Acq: 21 Dec 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-121918

Tot Ion:105 Resp: 12176

Ion Ratio Lower Upper

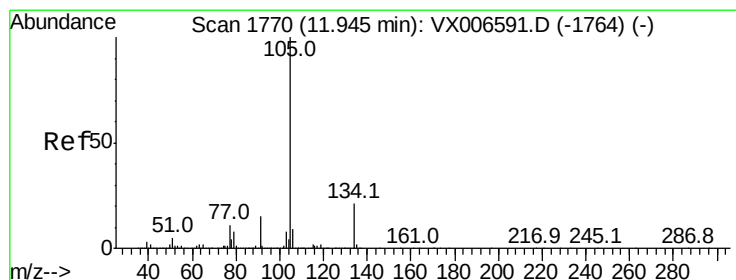
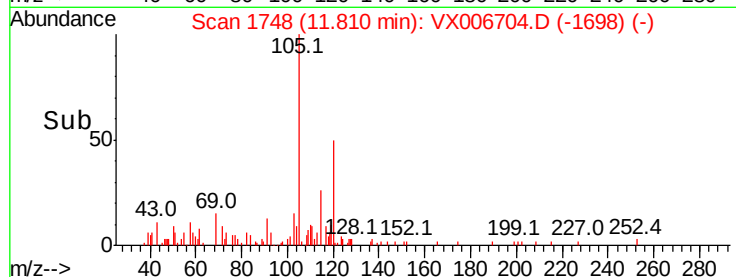
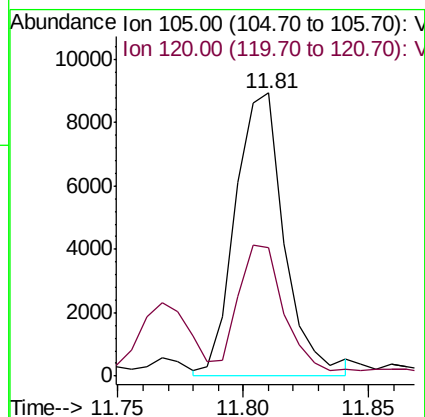
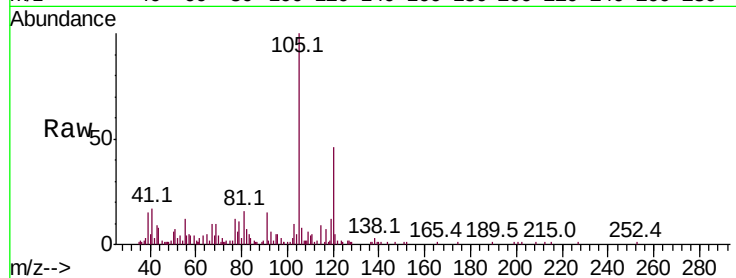
105 100

120 763.6 23.2 69.6#

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#85

sec-Butylbenzene

Concen: 12.734 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006704.D

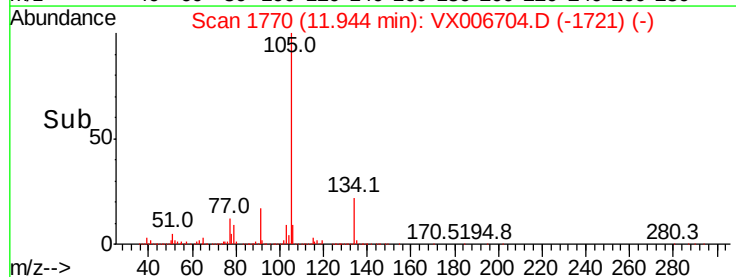
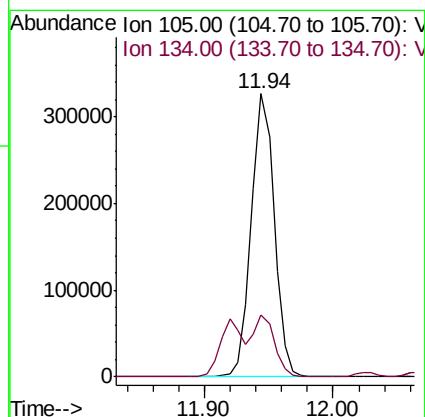
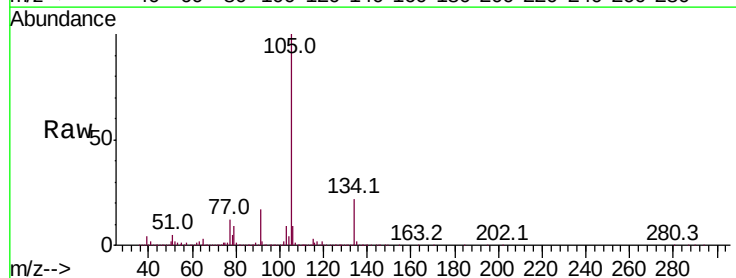
Acq: 21 Dec 2018 04:41

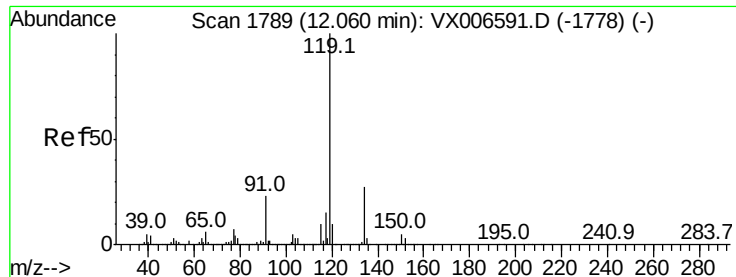
Tgt Ion:105 Resp: 400579

Ion Ratio Lower Upper

105 100

134 20.2 10.7 31.9





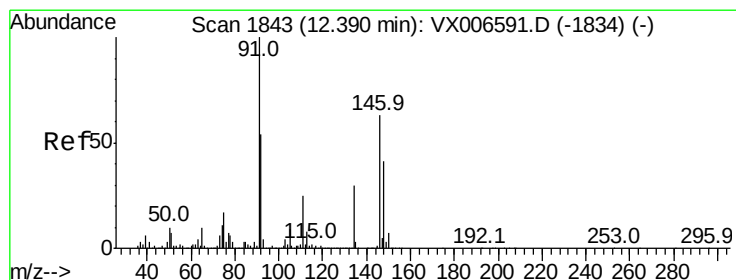
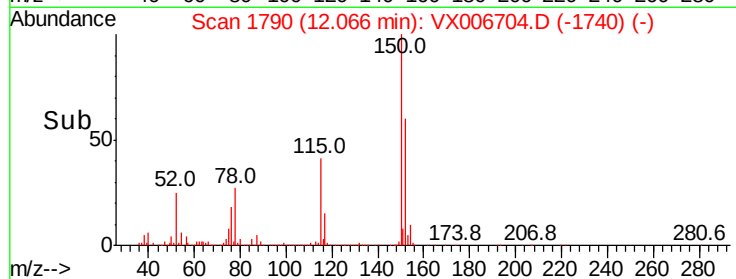
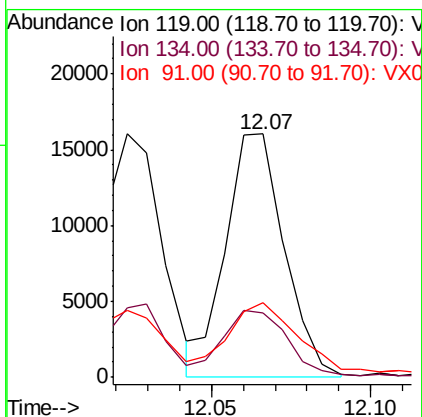
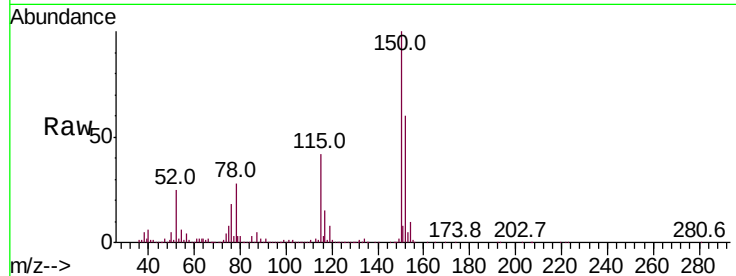
#86
 p-Isopropyltoluene
 Concen: 0.750 ug/l m
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-121918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	20750		
134	143.6	14.0	41.9#	
91	0.0	11.3	33.9#	

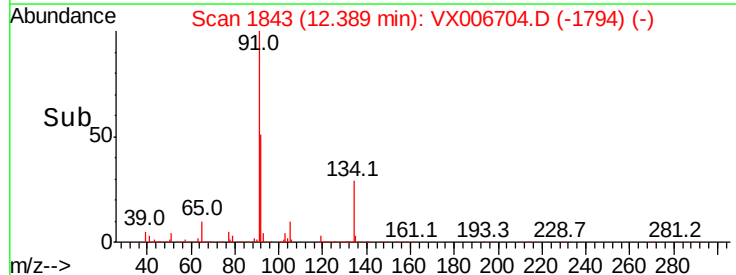
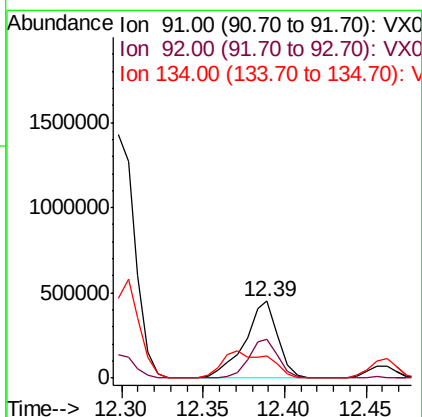
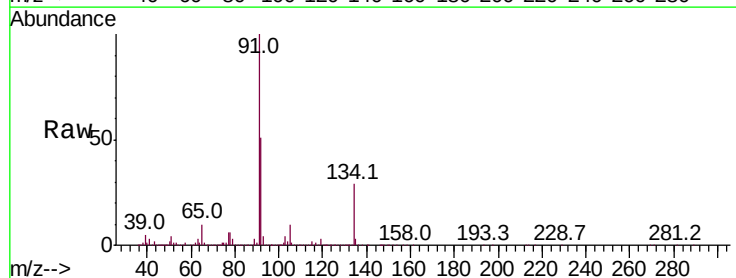
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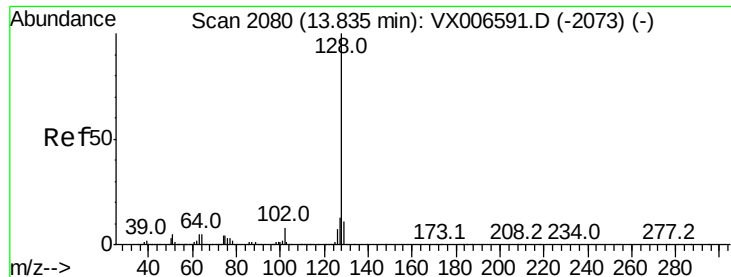
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#89
 n-Butylbenzene
 Concen: 27.005 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006704.D
 Acq: 21 Dec 2018 04:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	635504		
92	45.0	26.8	80.4	
134	50.2	14.4	43.2#	





#95
Naphthalene
Concen: 108.681 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006704.D
Acq: 21 Dec 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-121918

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.6	8.6	13.0

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