

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
 Data File : VX006821.D
 Acq On : 26 Dec 2018 16:29
 Operator : JC/MD
 Sample : J6549-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:40:22 AM

Quant Time: Dec 27 09:14:19 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	5.67	168	729426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1062074	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	978605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	507849	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	365039	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
35) Dibromofluoromethane	5.51	113	321932	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	1258902	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	461406	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	74730	9.953	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	22465	3.111	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2307180	289.588	ug/l	92
31) Cyclohexane	5.59	56	9398	0.863	ug/l #	93
39) Methylcyclohexane	7.46	83	11230	0.970	ug/l	98
40) Benzene	6.14	78	53433	1.998	ug/l	97
44) Trichloroethene	7.22	130	5109	0.631	ug/l	83
52) Toluene	8.78	92	1167530	67.589	ug/l	98
64) Tetrachloroethene	9.34	164	4124	0.532	ug/l #	87
67) Ethyl Benzene	10.25	91	468112	13.837	ug/l	98
68) m/p-Xylenes	10.36	106	1181689	88.520	ug/l	99
69) o-Xylene	10.69	106	622441	47.218	ug/l	96
73) Isopropylbenzene	11.02	105	42720	1.230	ug/l	98
78) n-propylbenzene	11.36	91	103473	2.705	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	868392	30.346	ug/l	99
83) tert-Butylbenzene	11.77	119	47423	1.656	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1588290	52.767	ug/l	99
85) sec-Butylbenzene	11.94	105	25483m	0.726	ug/l	
86) p-Isopropyltoluene	12.06	119	86642	2.807	ug/l	99
95) Naphthalene	13.83	128	442821	11.878	ug/l	98

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

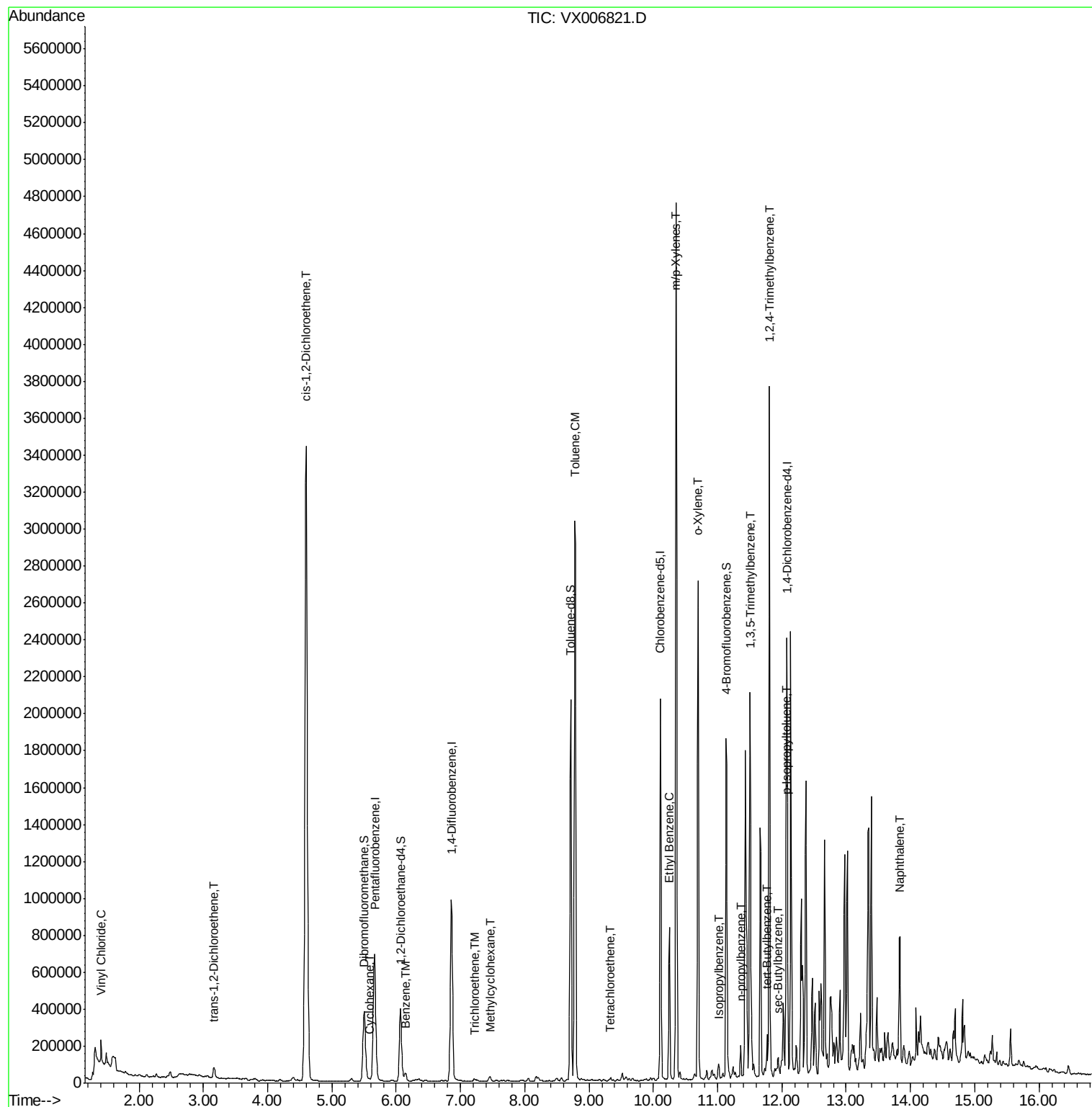
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122618\
Data File : VX006821.D
Acq On : 26 Dec 2018 16:29
Operator : JC/MD
Sample : J6549-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

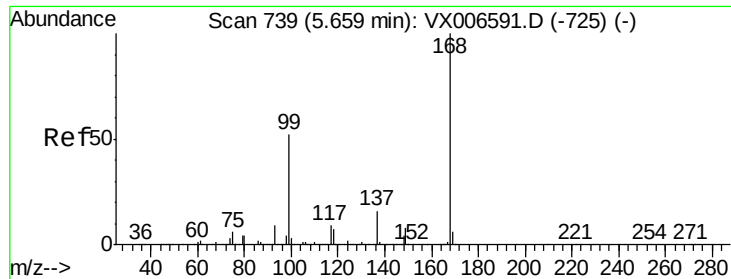
Instrument :
MSVOA_X
ClientSampleId :
MW-11

Manual Integrations
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12/27/2018 9:40:22 AM

Quant Time: Dec 27 09:14:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

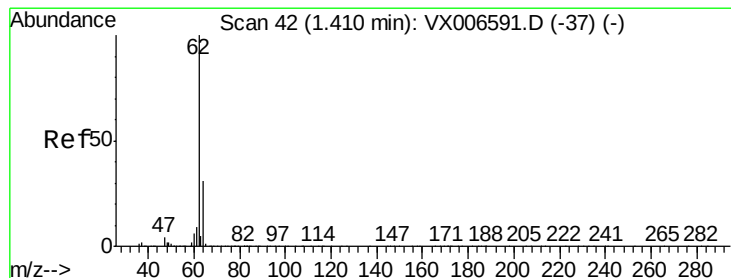
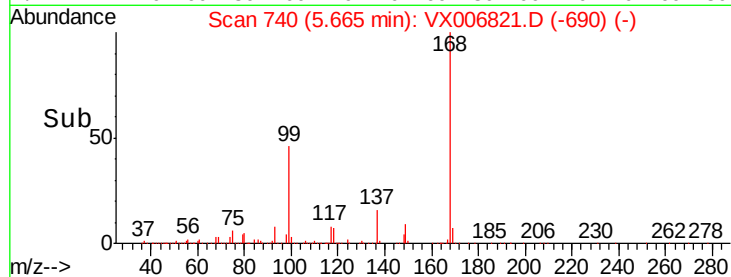
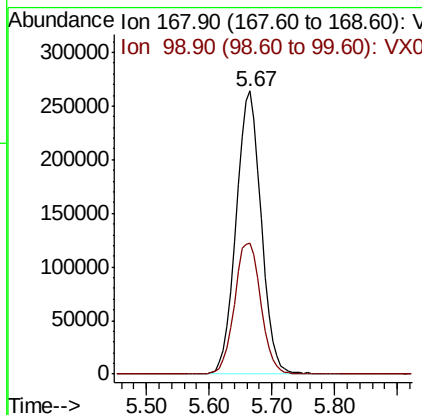
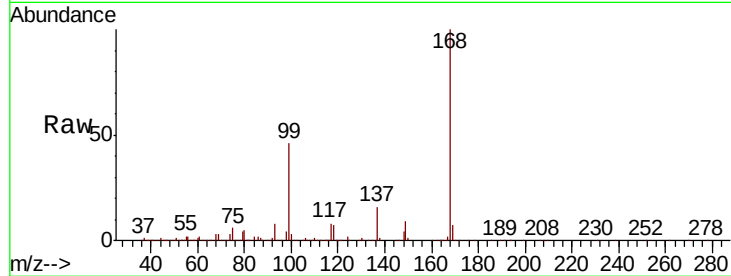
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.1	41.8	62.8

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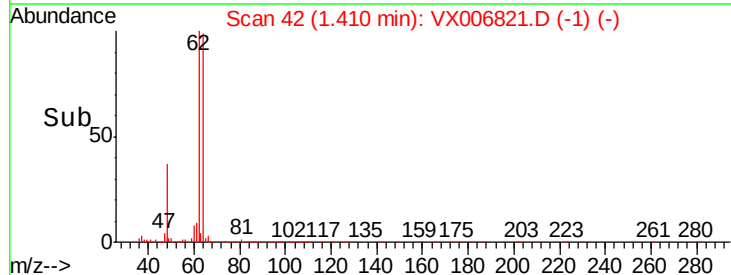
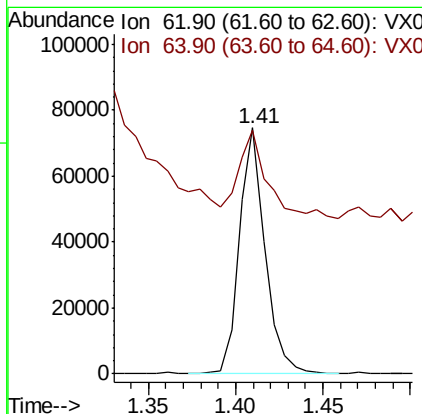
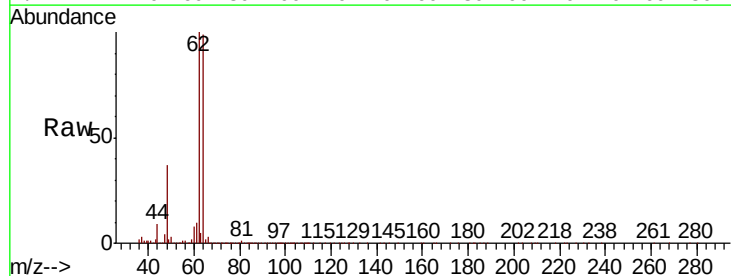
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 12/27/2018 9:40:22 AM

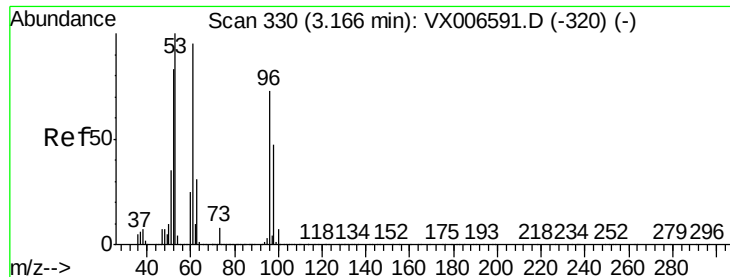


#4

Vinyl Chloride
 Concen: 9.953 ug/l
 RT: 1.41 min Scan# 42
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.0	25.1	37.7





#21

trans-1,2-Dichloroethene

Concen: 3.111 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

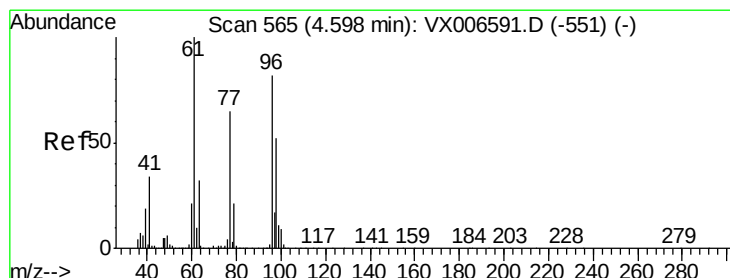
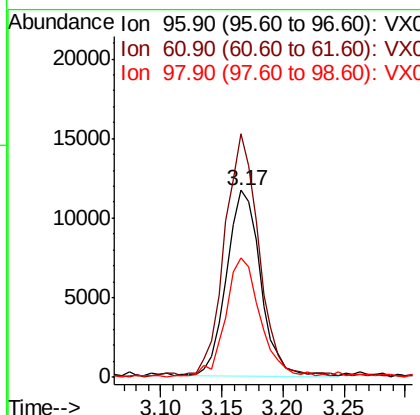
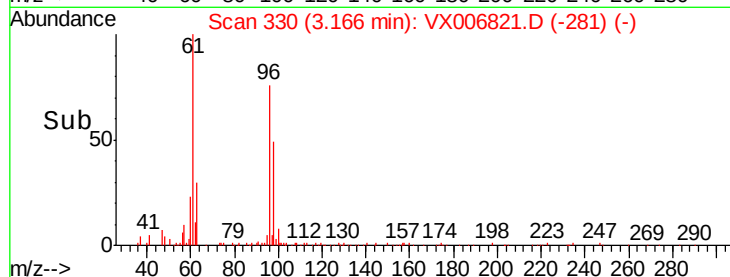
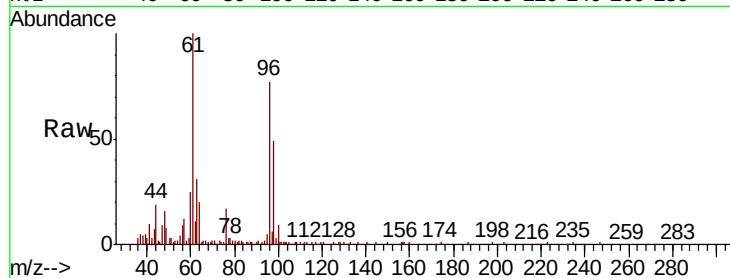
ClientSampleId :

MW-11

Tot Ion:	96	Resp:	22465
Ion	Ratio	Lower	Upper
96	100		
61	130.4	103.7	155.5
98	64.0	51.0	76.6

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#27

cis-1,2-Dichloroethene

Concen: 289.588 ug/l

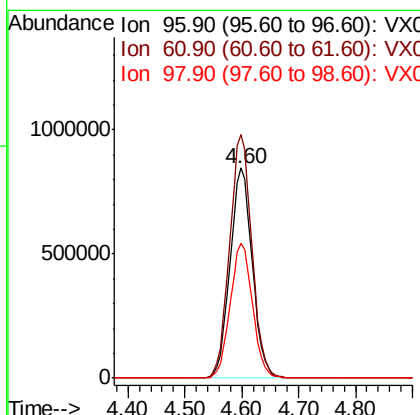
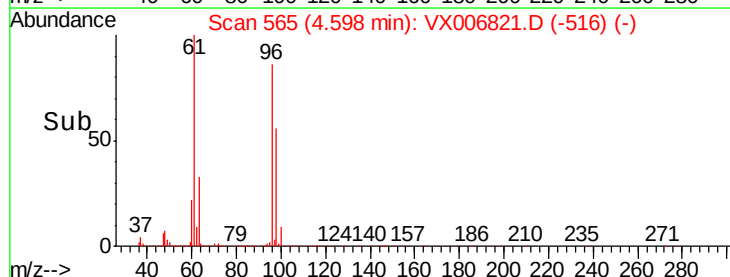
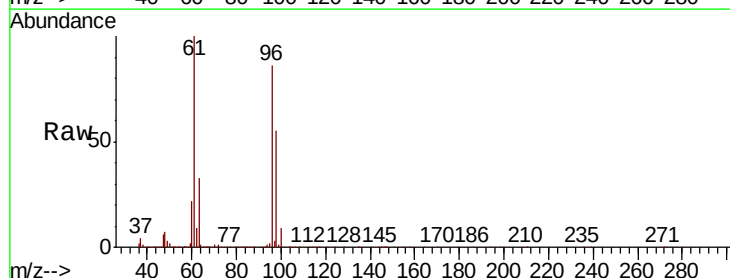
RT: 4.60 min Scan# 565

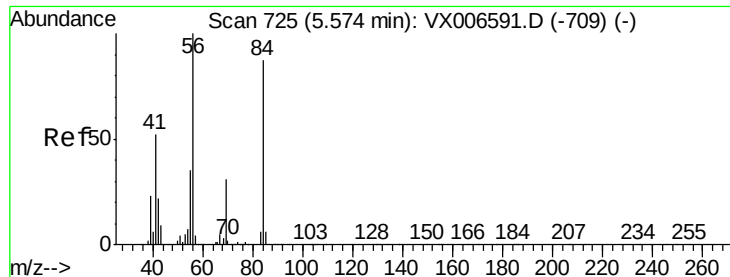
Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Tgt Ion:	96	Resp:	2307180
Ion	Ratio	Lower	Upper
96	100		
61	116.1	0.0	258.6
98	64.5	0.0	132.0





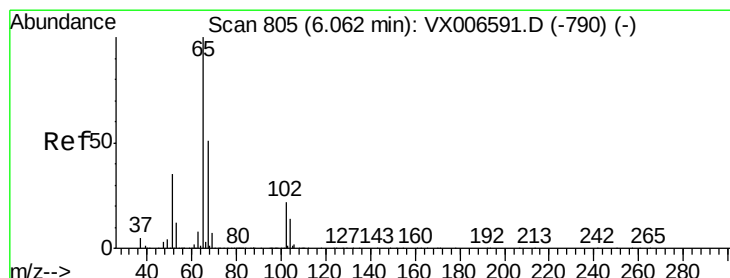
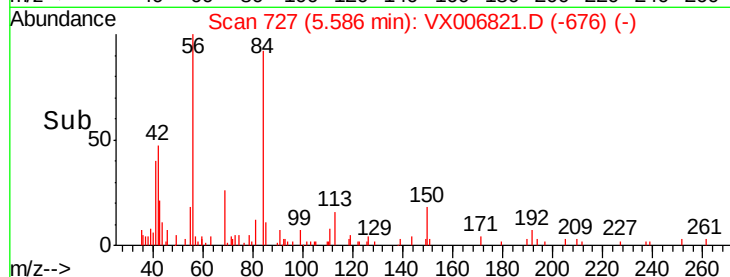
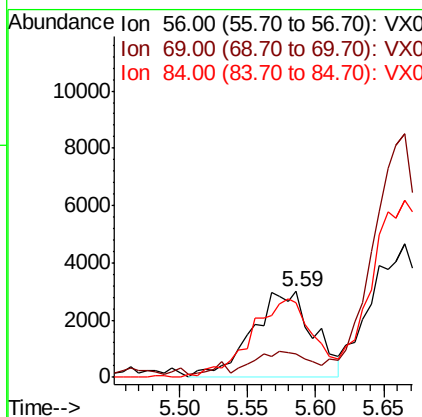
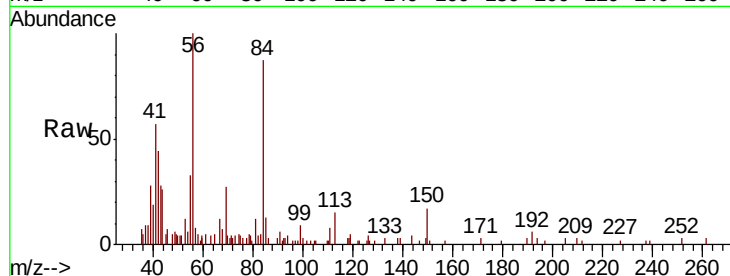
#31
Cyclohexane
Concen: 0.863 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.7	24.4	36.6#
84	83.7	70.0	105.0

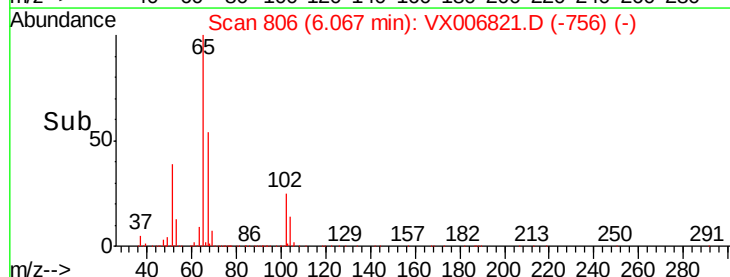
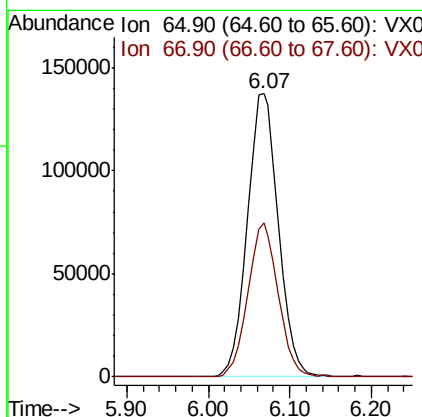
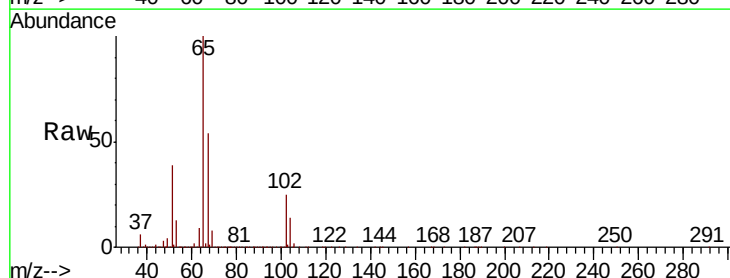
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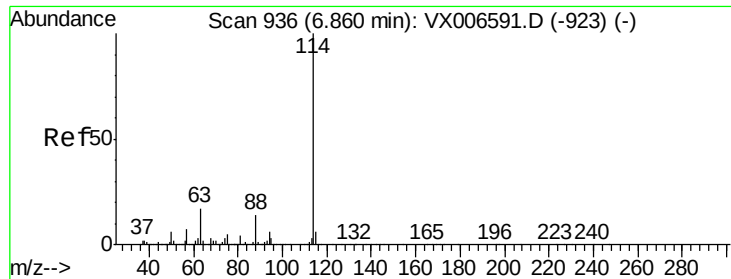
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#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:114 Resp: 1062074

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

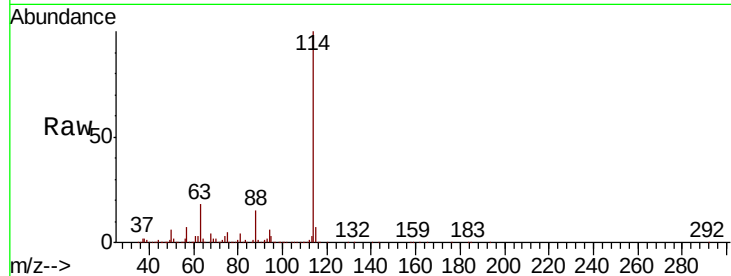
88 14.7 0.0 28.8

Manual Integrations

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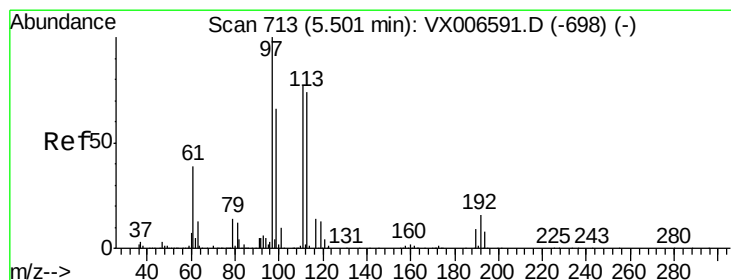
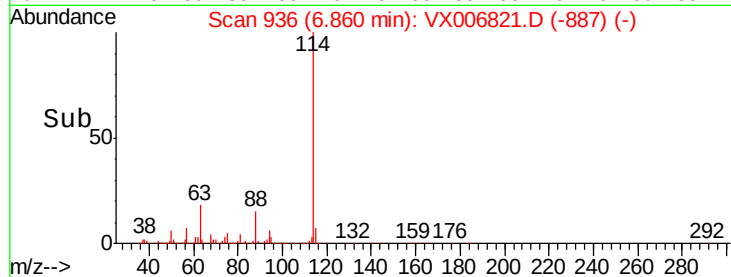
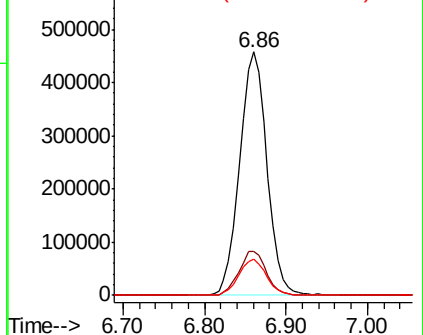
12/27/2018 9:40:22 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.933 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

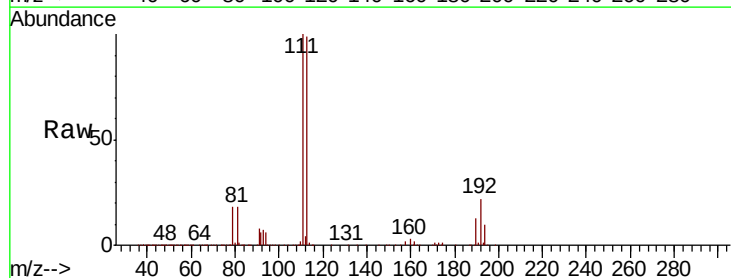
Tgt Ion:113 Resp: 321932

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

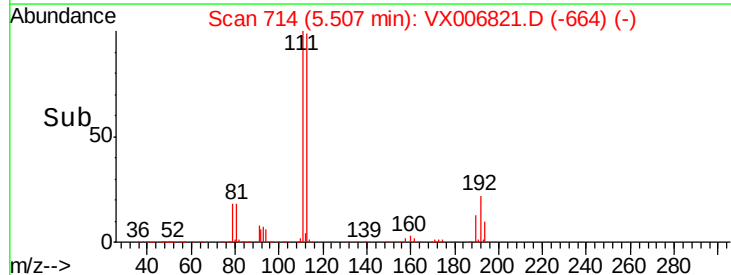
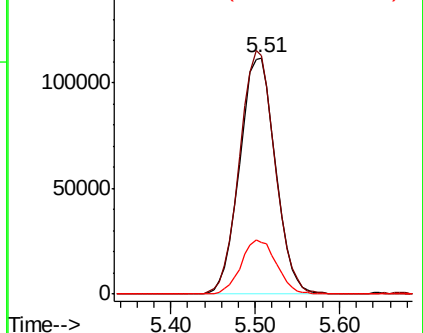
192 22.9 16.7 25.1

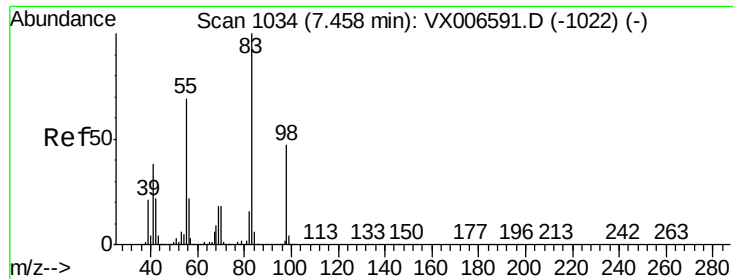


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





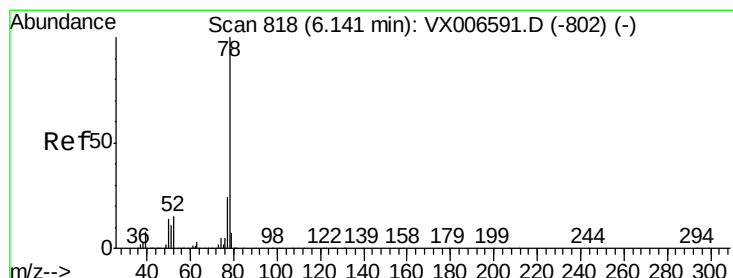
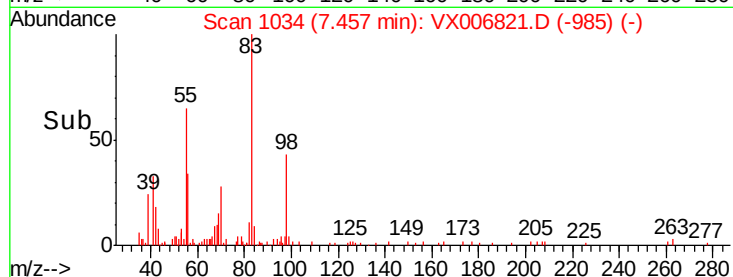
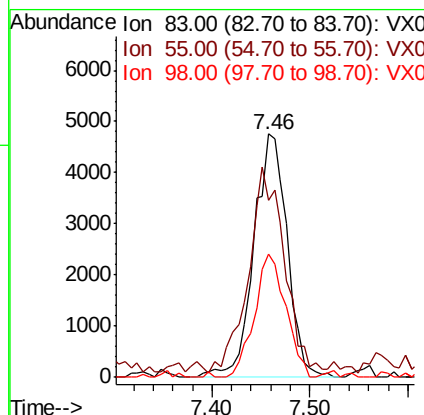
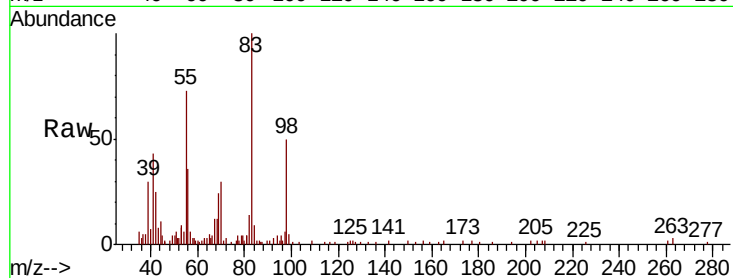
#39
Methvlcvclohexane
Concen: 0.970 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	54.9	82.3
98	50.5	37.9	56.9

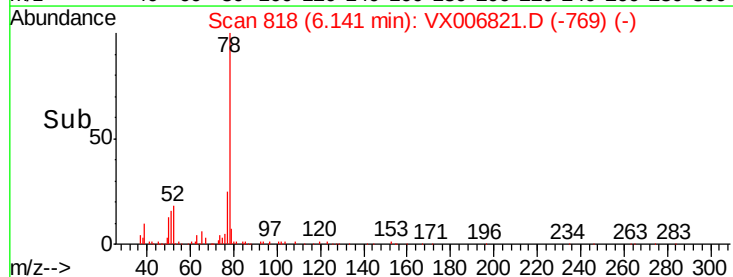
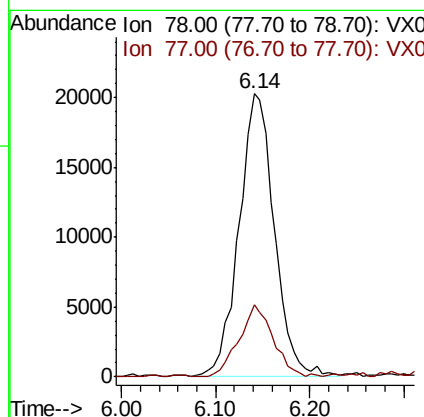
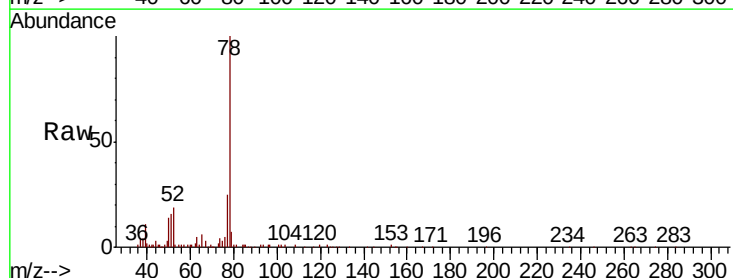
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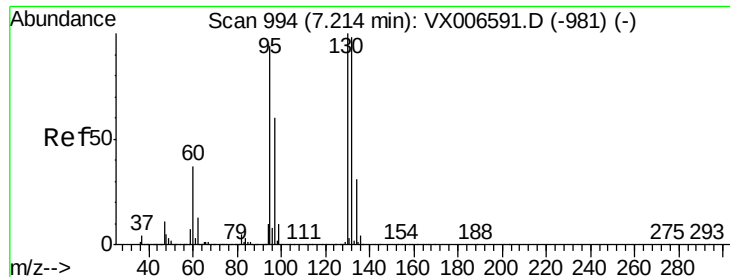
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#40
Benzene
Concen: 1.998 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8





#44

Trichloroethene

Concen: 0.631 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:130 Resp: 5109

Ion Ratio Lower Upper

130 100

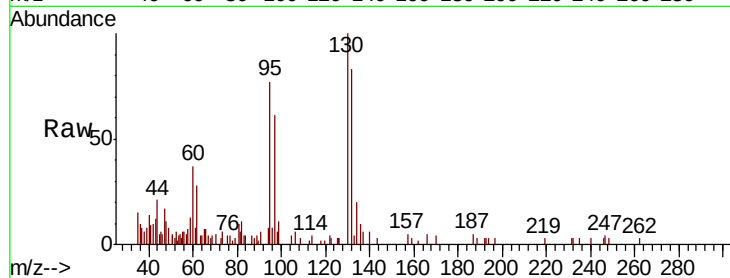
95 77.4 0.0 187.0

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

2500

2000

1500

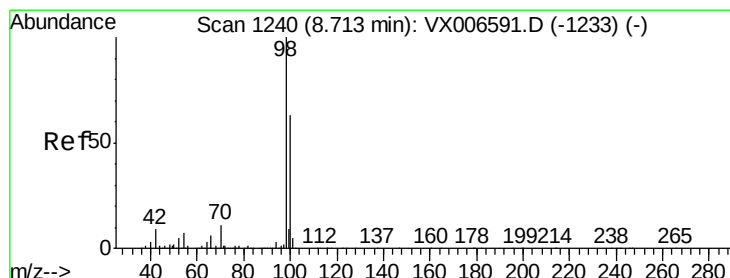
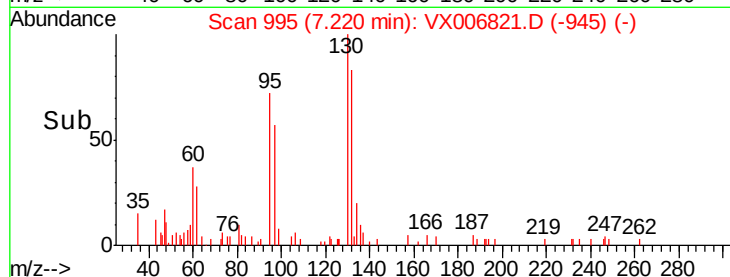
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#50

Toluene-d8

Concen: 49.718 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006821.D

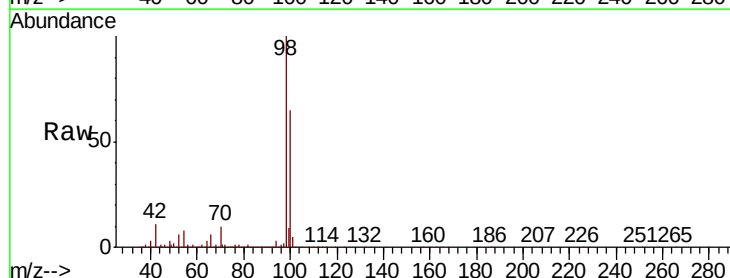
Acq: 26 Dec 2018 16:29

Tgt Ion: 98 Resp: 1258902

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

800000

600000

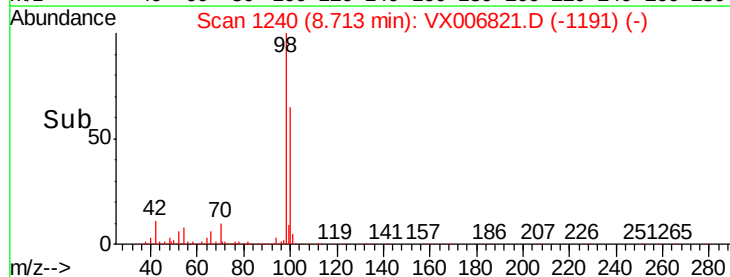
400000

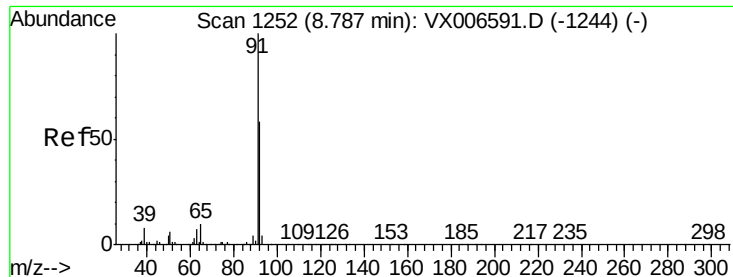
200000

0

8.60 8.70 8.80

Time-->





#52

Toluene

Concen: 67.589 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion: 92 Resp: 1167530

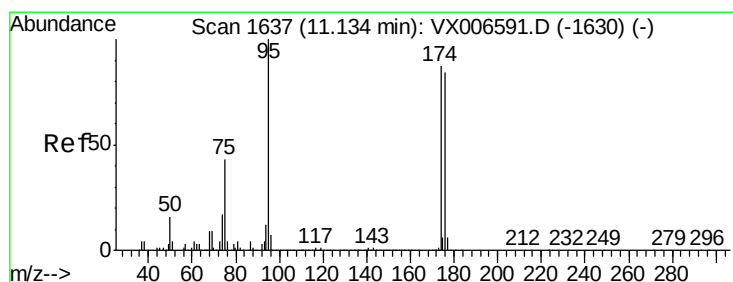
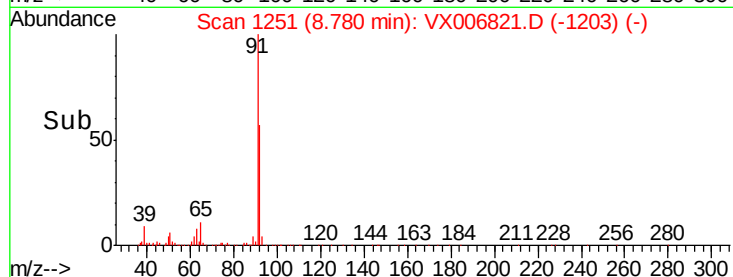
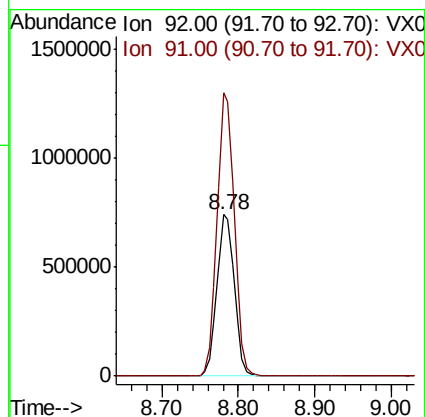
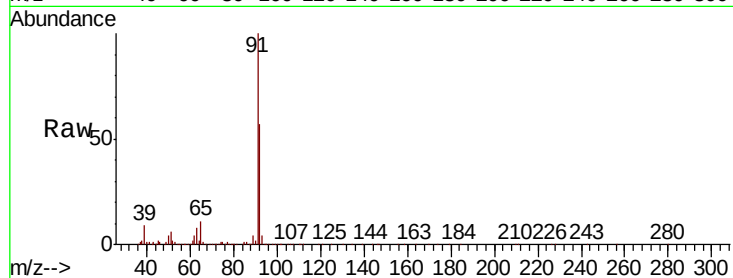
Ion Ratio Lower Upper

92 100

91 174.1 137.6 206.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.755 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

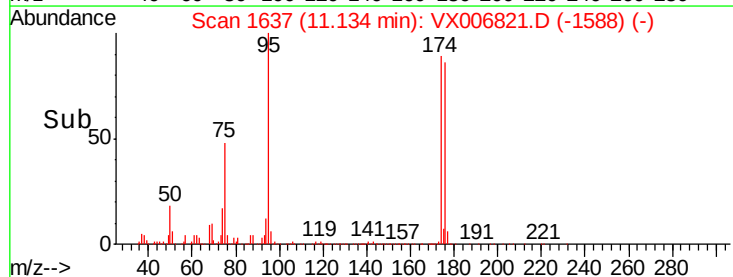
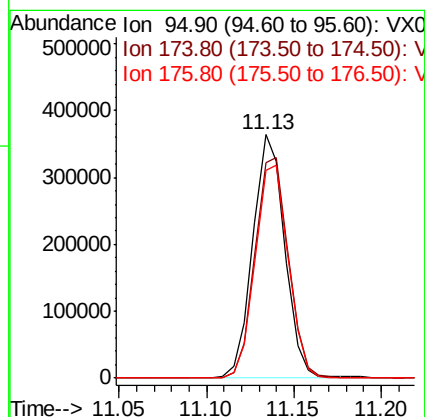
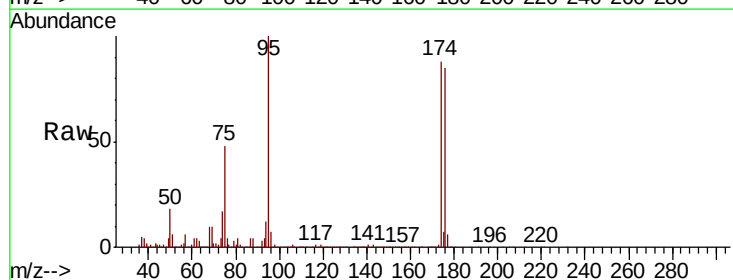
Tgt Ion: 95 Resp: 461406

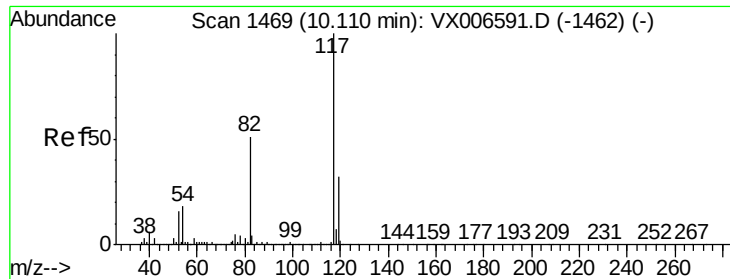
Ion Ratio Lower Upper

95 100

174 95.0 0.0 182.2

176 91.4 0.0 178.8





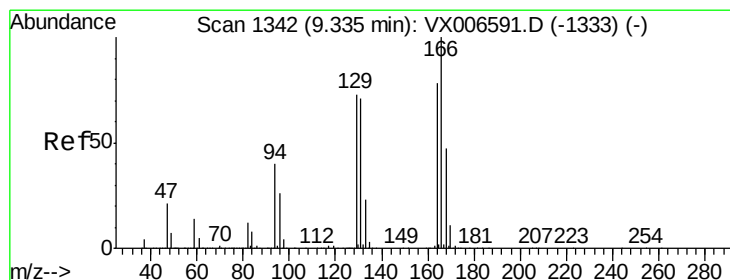
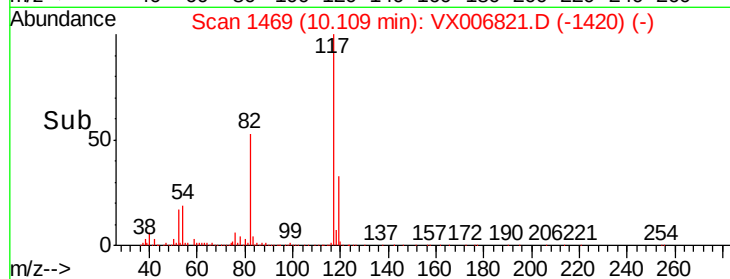
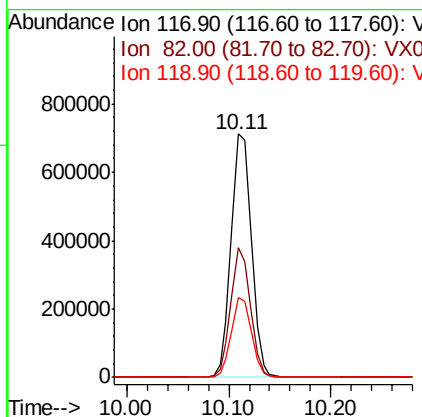
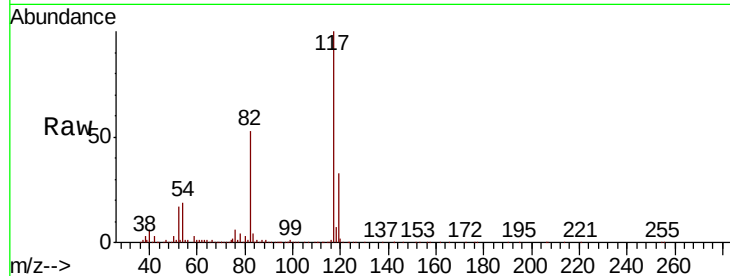
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.0	61.6
119	32.5	25.4	38.0

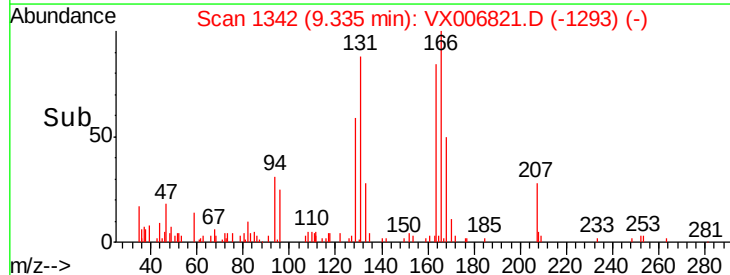
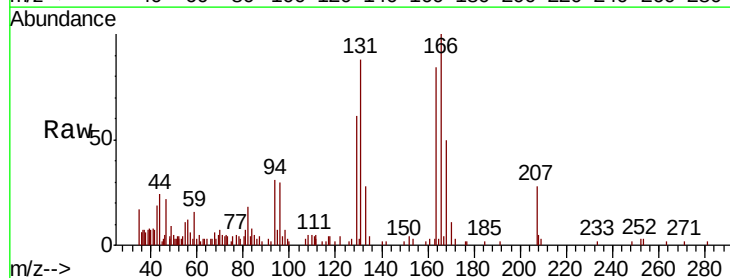
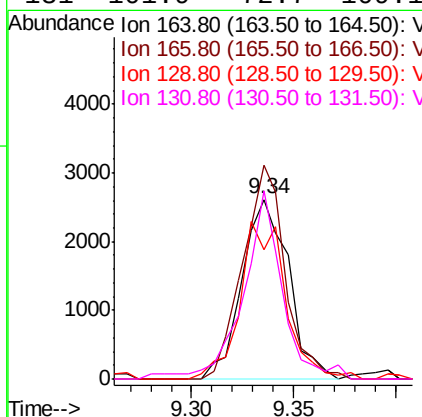
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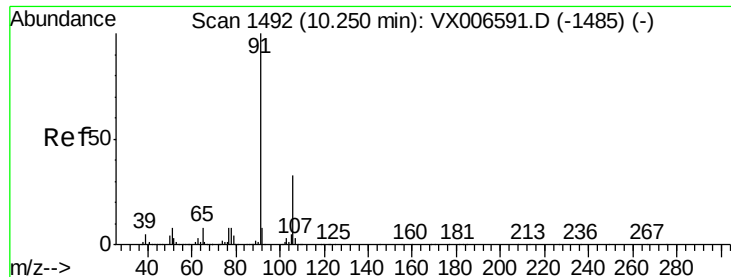
MMDadoda
12/27/2018 9:40:22 AM



#64
Tetrachloroethene
Concen: 0.532 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	102.5	153.7
129	72.2	75.1	112.7
131	101.9	72.7	109.1





#67

Ethyl Benzene

Concen: 13.837 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 91 Resp: 468112

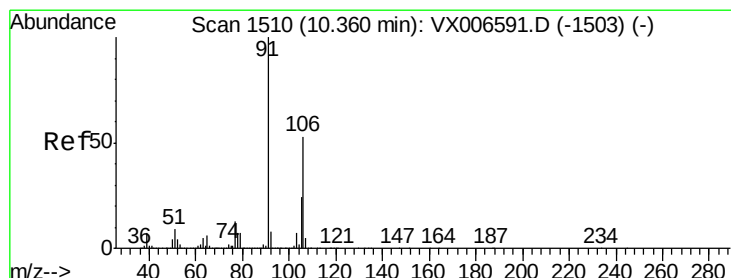
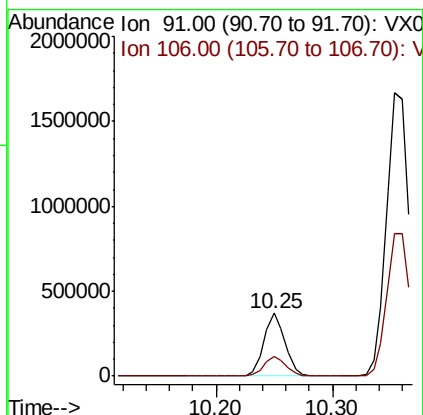
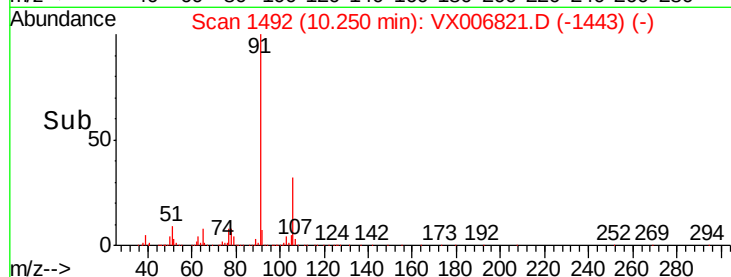
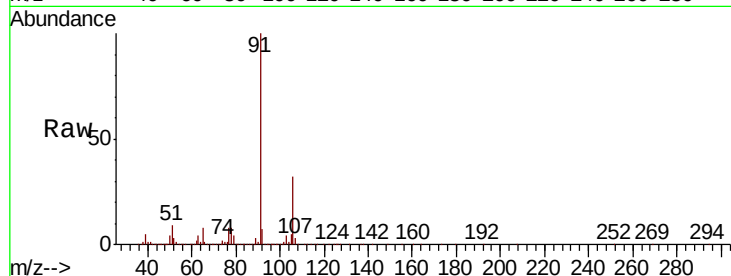
Ion Ratio Lower Upper

91 100

106 32.1 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 88.520 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006821.D

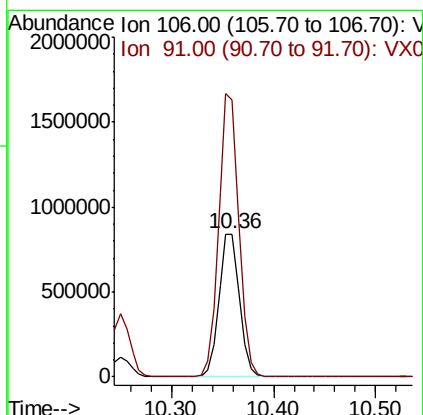
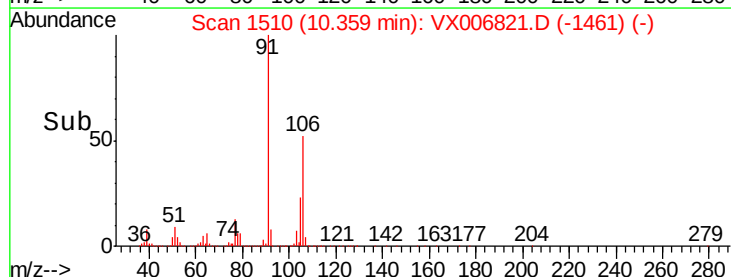
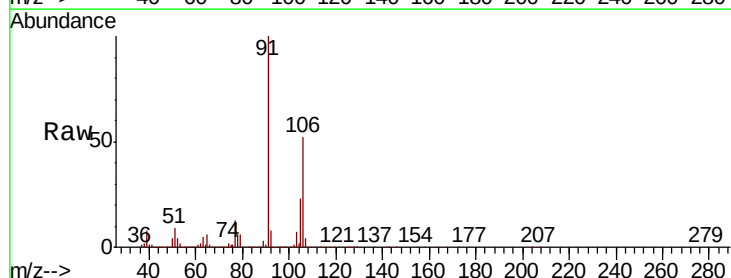
Acq: 26 Dec 2018 16:29

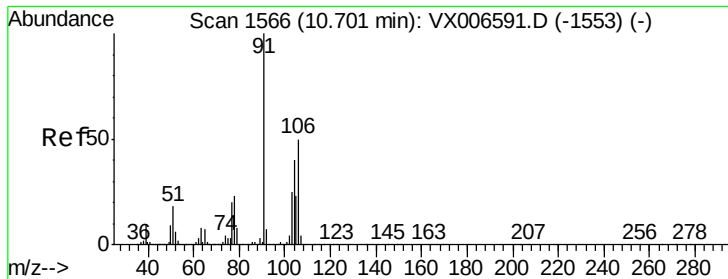
Tgt Ion: 106 Resp: 1181689

Ion Ratio Lower Upper

106 100

91 195.7 155.8 233.6





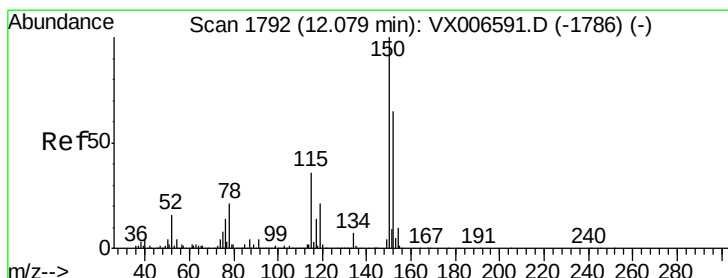
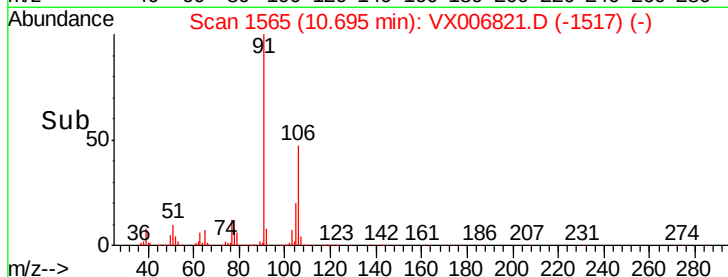
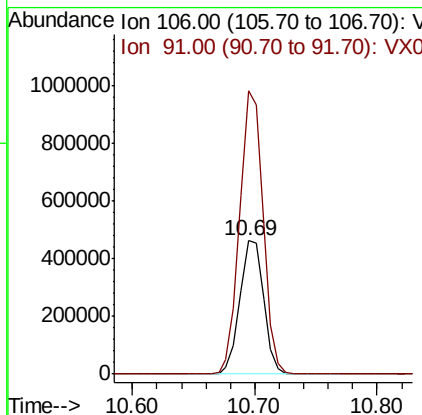
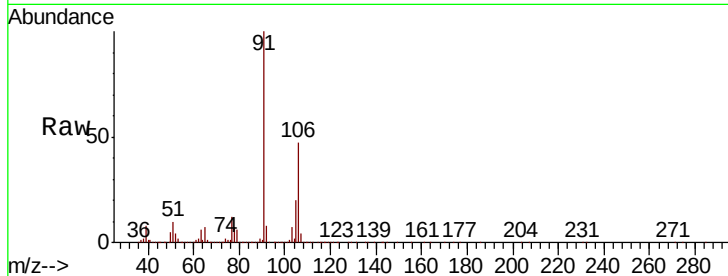
#69
o-Xylene
Concen: 47.218 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	101.3	303.7

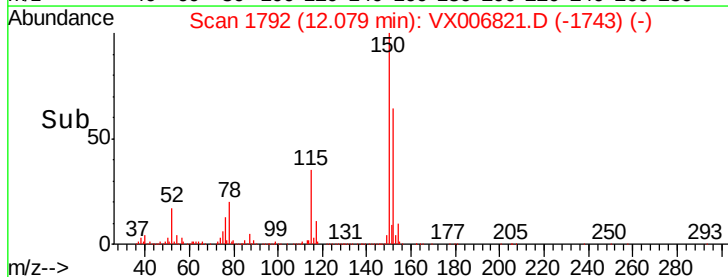
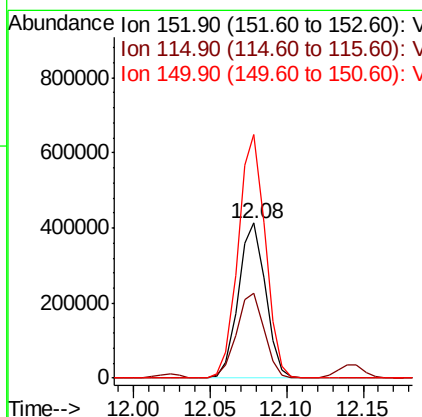
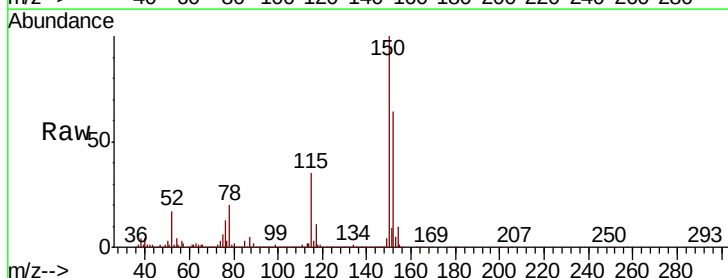
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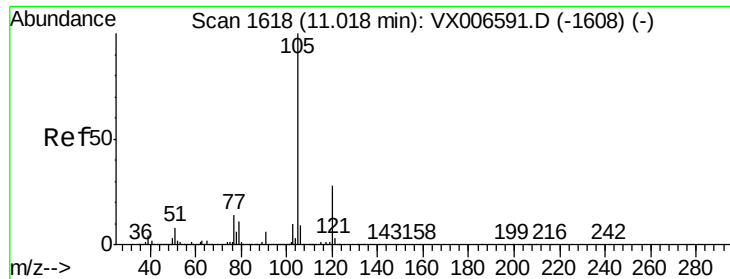
MMDadoda
12/27/2018 9:40:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006821.D
Acq: 26 Dec 2018 16:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	39.1	117.2
150	157.1	0.0	344.8





#73

Isopropylbenzene

Concen: 1.230 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:105 Resp: 42720

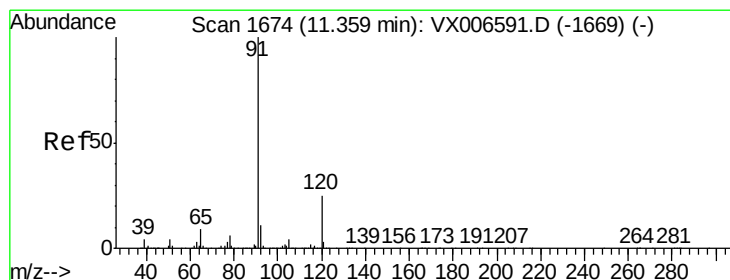
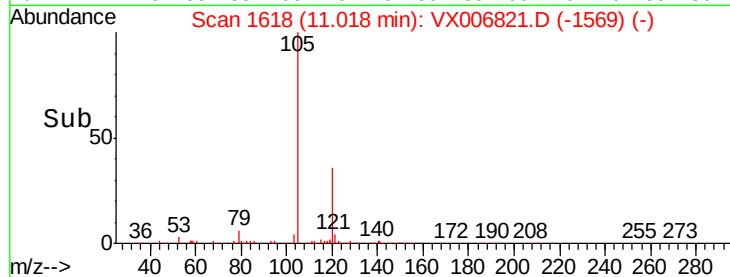
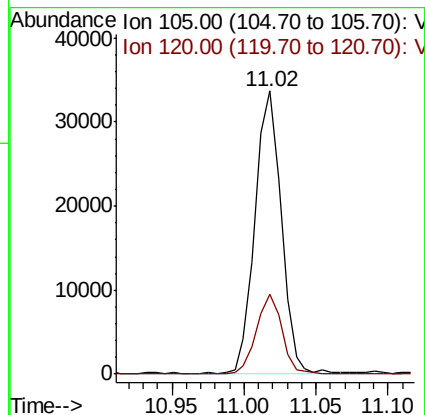
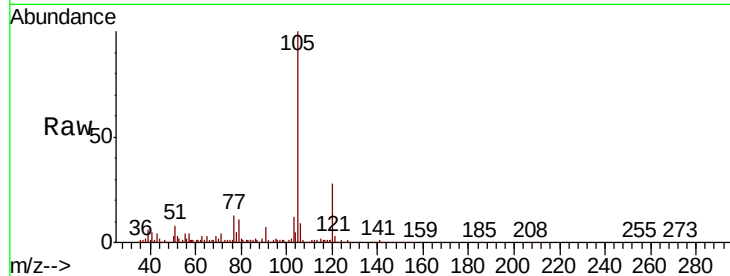
Ion Ratio Lower Upper

105 100

120 27.4 14.1 42.4

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#78

n-propylbenzene

Concen: 2.705 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006821.D

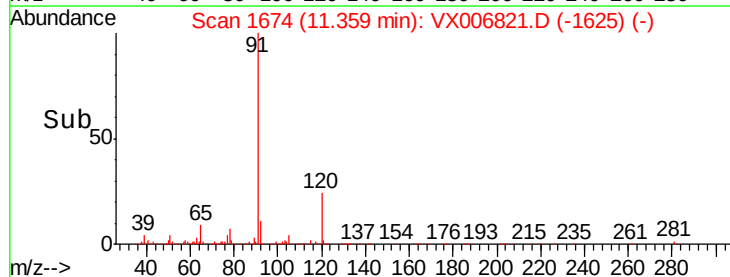
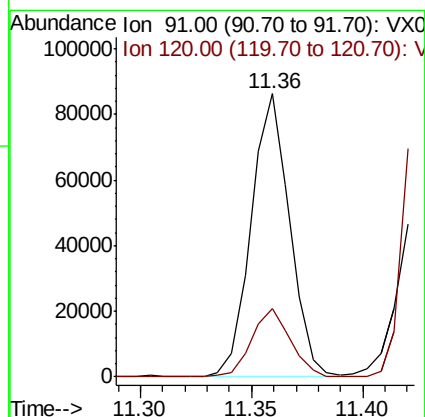
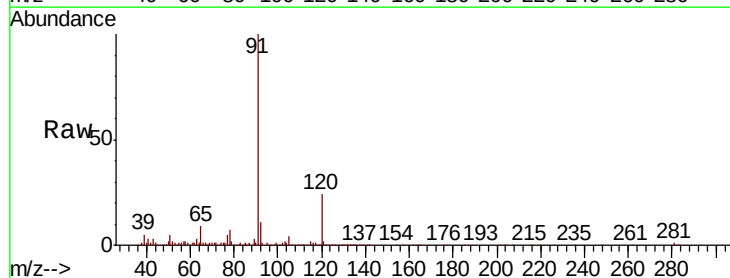
Acq: 26 Dec 2018 16:29

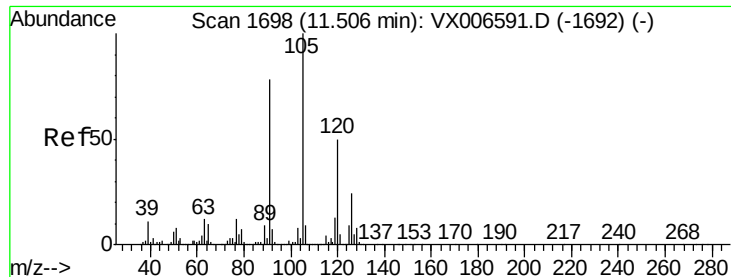
Tgt Ion: 91 Resp: 103473

Ion Ratio Lower Upper

91 100

120 24.5 12.7 38.0





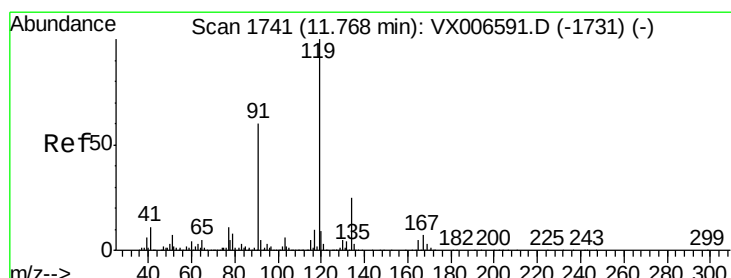
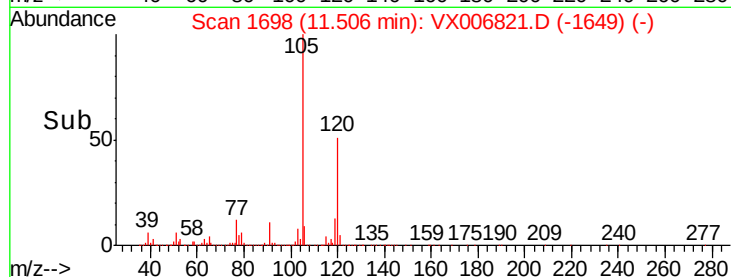
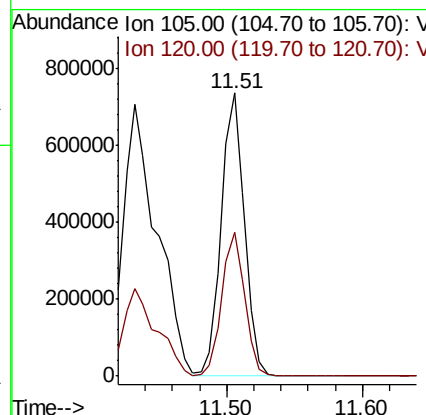
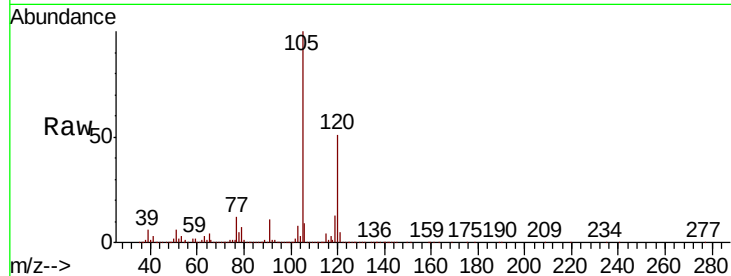
#80
 1,3,5-Trimethylbenzene
 Concen: 30.346 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Tot Ion:105 Resp: 868392
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.3

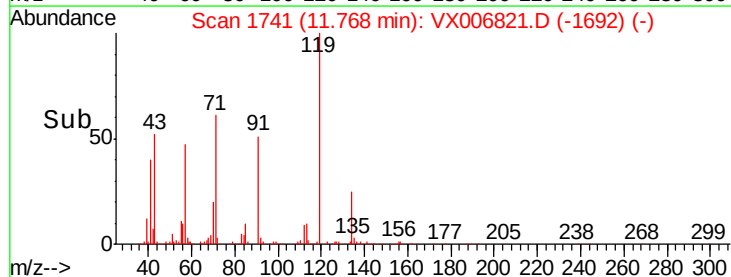
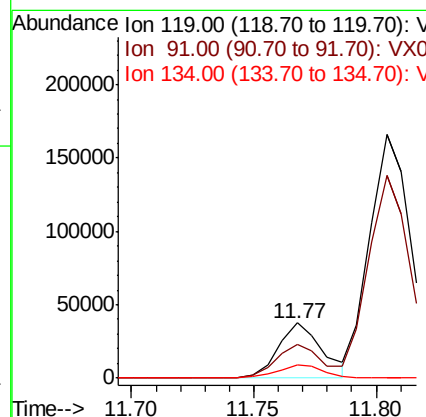
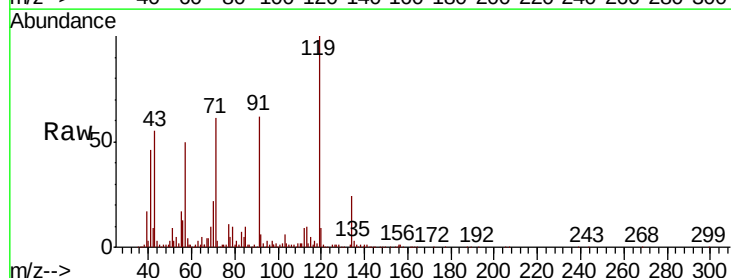
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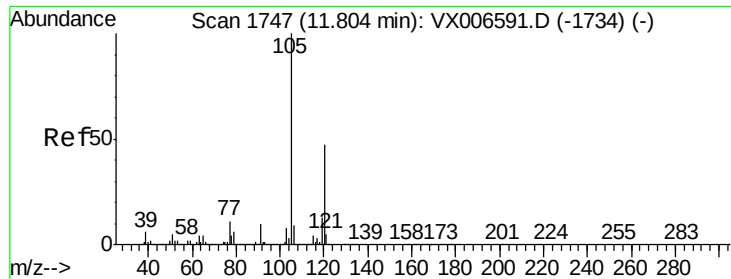
MMDadoda
 12/27/2018 9:40:22 AM



#83
 tert-Butylbenzene
 Concen: 1.656 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Tgt Ion:119 Resp: 47423
 Ion Ratio Lower Upper
 119 100
 91 63.2 27.7 83.1
 134 25.1 11.9 35.5





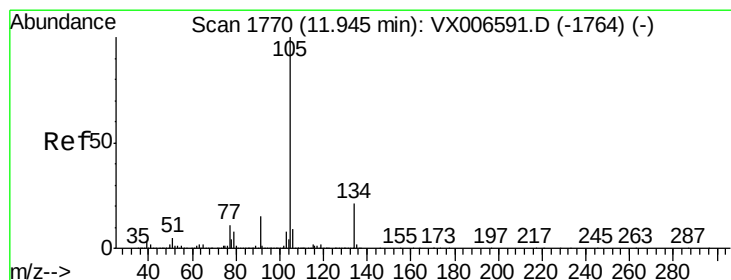
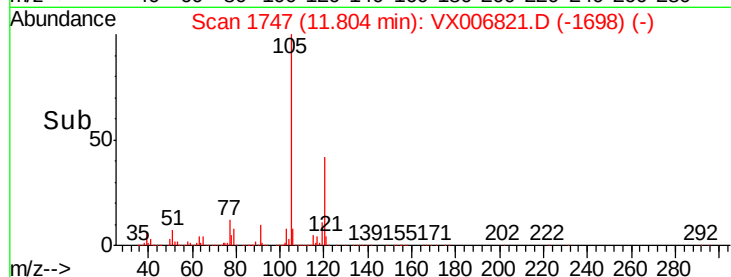
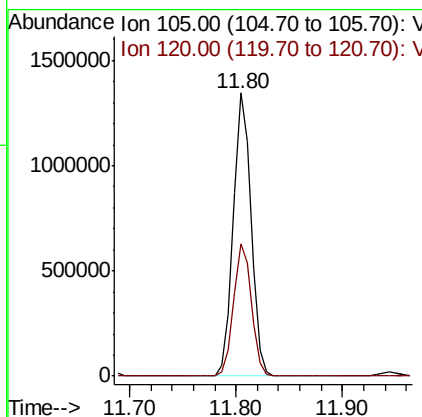
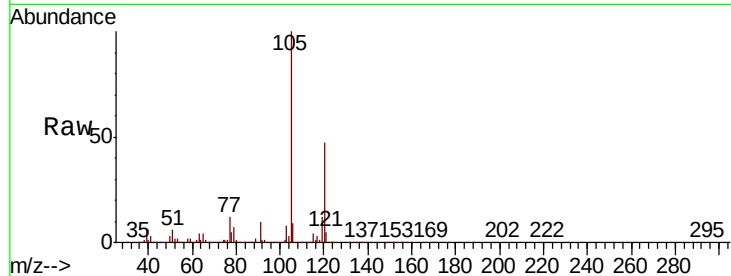
#84
 1,2,4-Trimethylbenzene
 Concen: 52.767 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion:105 Resp: 1588290
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.2 69.6

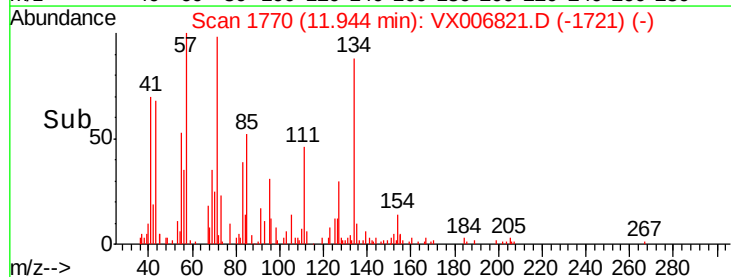
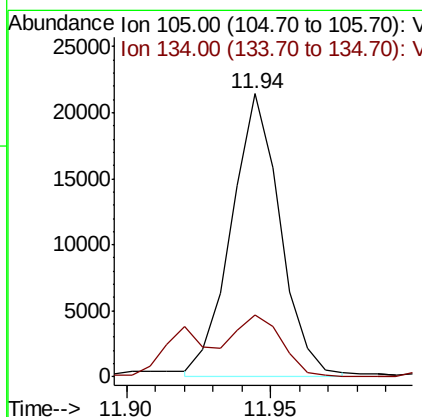
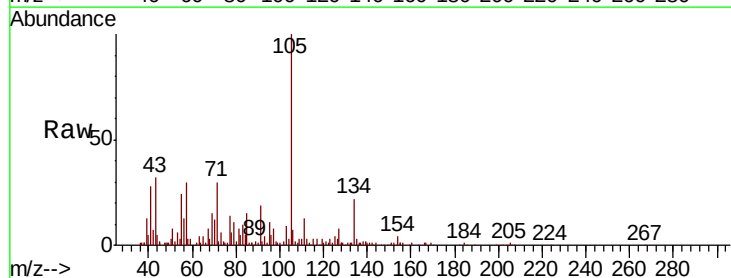
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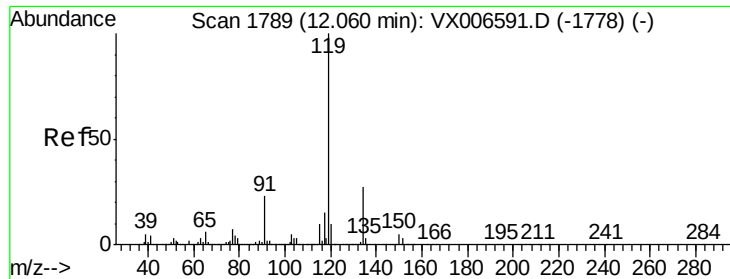
MMDadoda
 12/27/2018 9:40:22 AM



#85
 sec-Butylbenzene
 Concen: 0.726 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Tgt Ion:105 Resp: 25483
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#





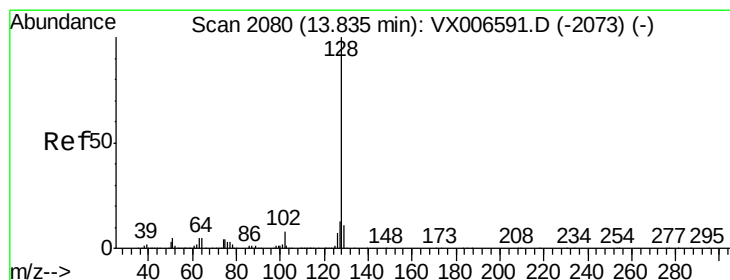
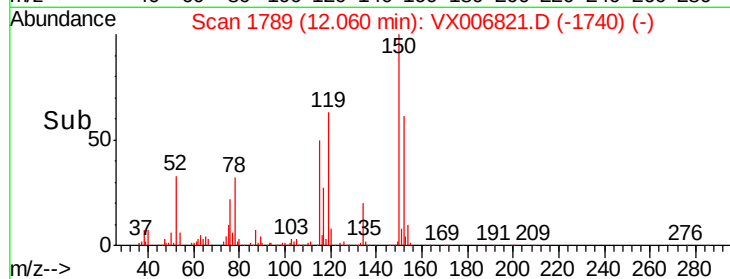
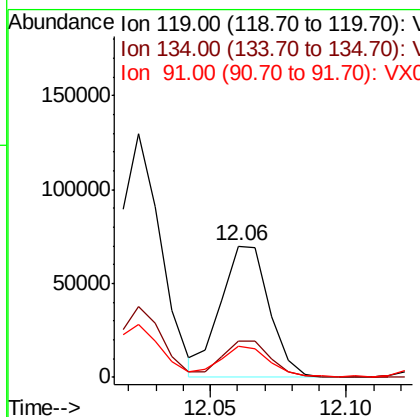
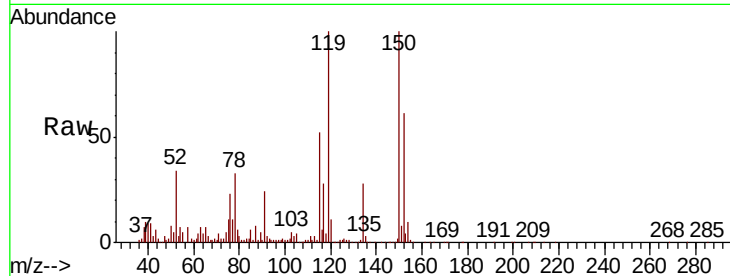
#86
 p-Isopropyltoluene
 Concen: 2.807 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion:	119	Resp:	86642
Ion Ratio	Lower	Upper	
119	100		
134	28.3	14.0	41.9
91	23.1	11.3	33.9

Manual Integrations
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#95
 Naphthalene
 Concen: 11.878 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX006821.D
 Acq: 26 Dec 2018 16:29

Tgt Ion:	128	Resp:	442821
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	11.3	8.6	13.0

