

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022719\
 Data File : VX007747.D
 Acq On : 27 Feb 2019 21:11
 Operator : JC/SP
 Sample : K1653-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 12:23:04 PM

Quant Time: Feb 28 12:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	329298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	502749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	471373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237265	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	190808	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.50	113	161893	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.71	98	615439	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.13	95	229897	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	14374	7.924	ug/l	99
17) Carbon Disulfide	2.57	76	2050	0.256	ug/l	98
25) 2-Butanone	4.71	43	6721	2.432	ug/l	90
31) Cyclohexane	5.58	56	260464	45.954	ug/l	95
39) Methylcyclohexane	7.46	83	113185	19.814	ug/l #	87
40) Benzene	6.15	78	2986794	214.067	ug/l	100
52) Toluene	8.79	92	96117	10.924	ug/l	97
67) Ethyl Benzene	10.25	91	3566011	211.152	ug/l	99
69) o-Xylene	10.70	106	14182	2.244	ug/l	95
73) Isopropylbenzene	11.02	105	339096	19.997	ug/l	100
78) n-propylbenzene	11.36	91	806182	42.071	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	9602m	0.688	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	22625	1.586	ug/l	98
85) sec-Butylbenzene	11.94	105	50672	3.019	ug/l	94
89) n-Butylbenzene	12.38	91	54625m	4.167	ug/l	
95) Naphthalene	13.83	128	504970	32.346	ug/l	99

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

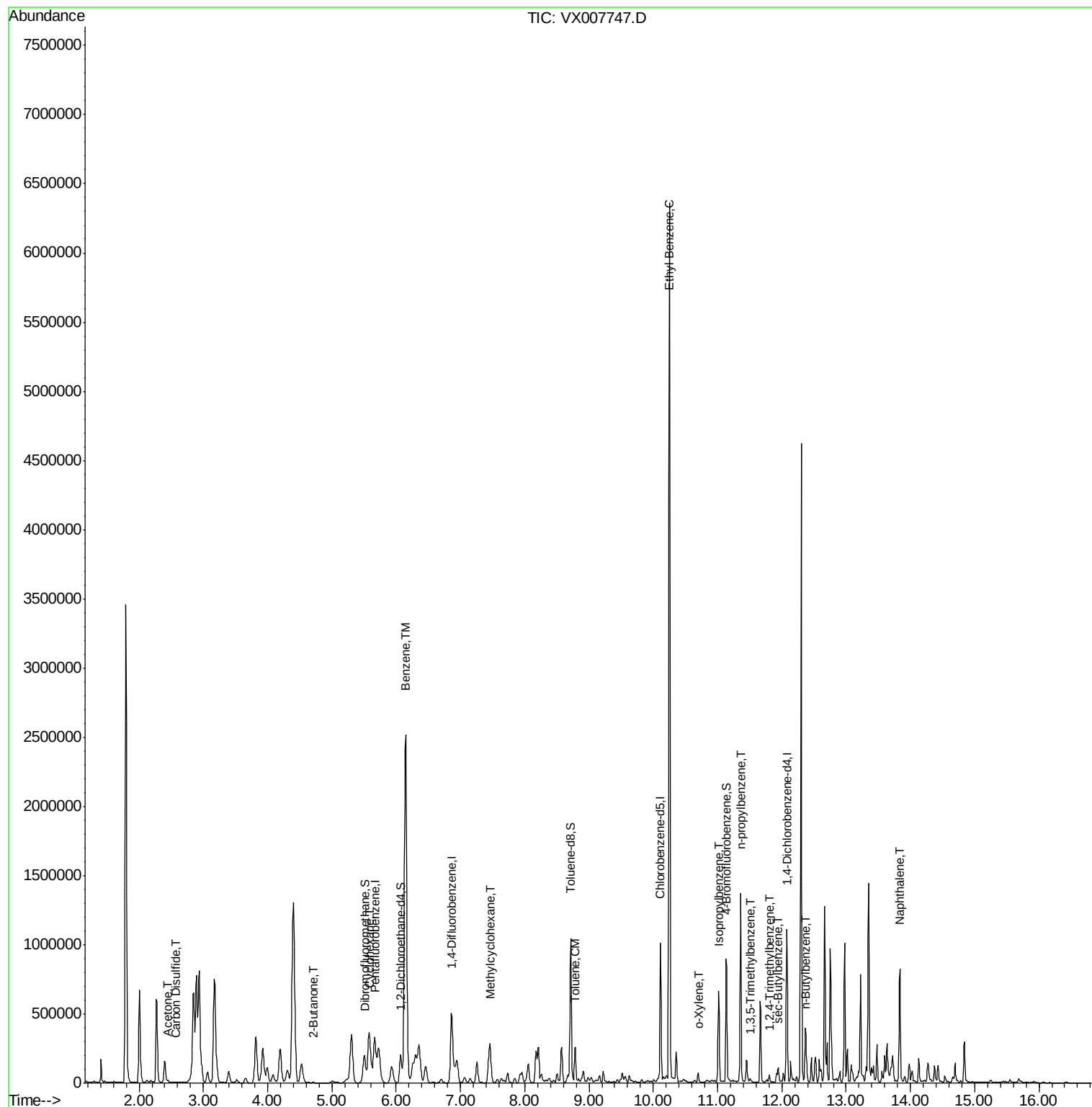
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022719\
Data File : VX007747.D
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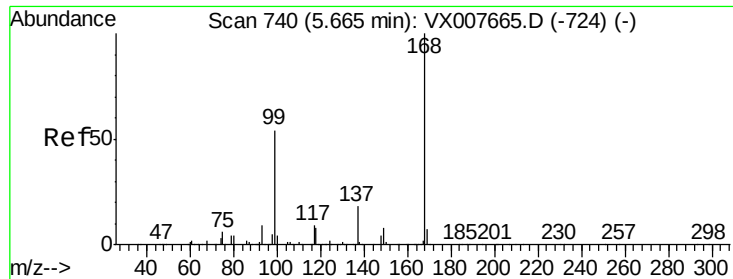
Instrument :
MSVOA_X
ClientSampleId :
MW-2

Manual Integrations
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Quant Time: Feb 28 12:56:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:168 Resp: 329298

Ion Ratio Lower Upper

168 100

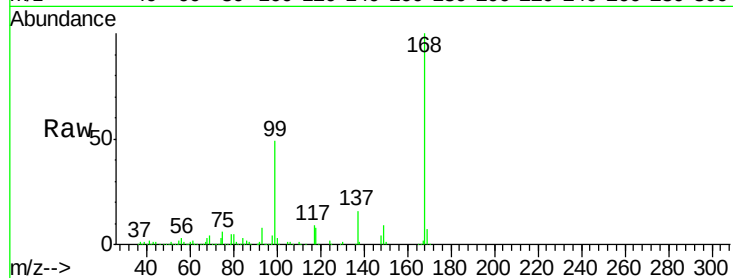
99 48.9 37.9 56.9

Manual Integrations

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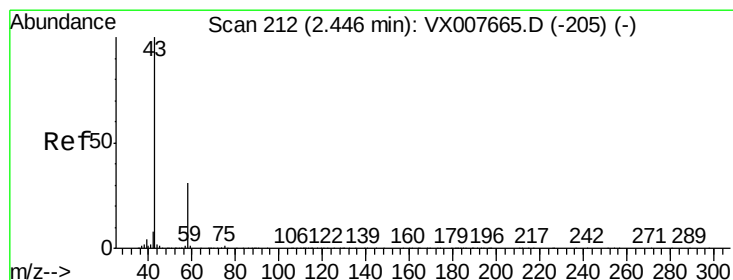
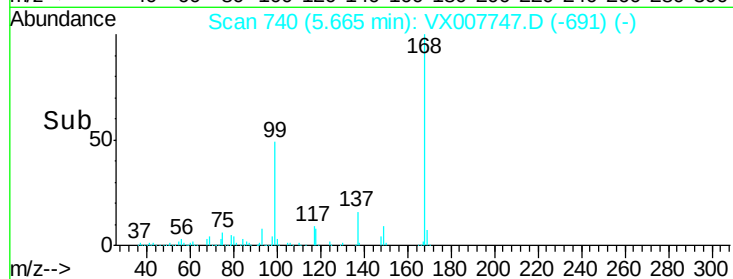
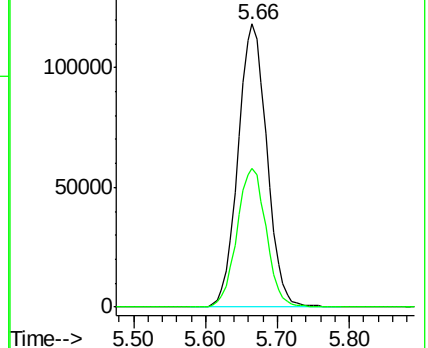
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.924 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007747.D

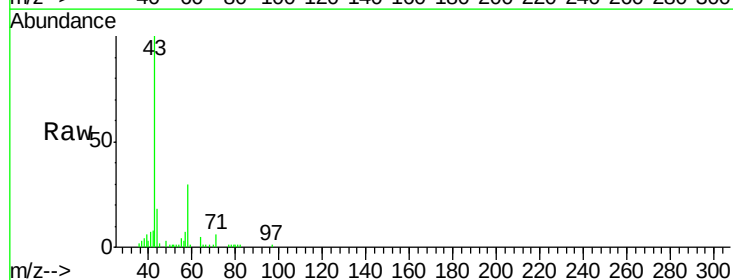
Acq: 27 Feb 2019 21:11

Tgt Ion: 43 Resp: 14374

Ion Ratio Lower Upper

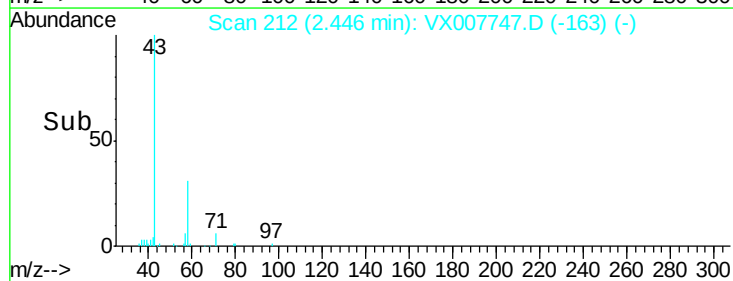
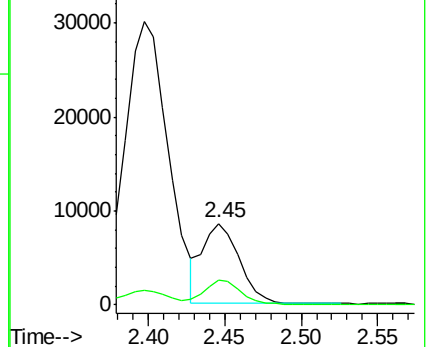
43 100

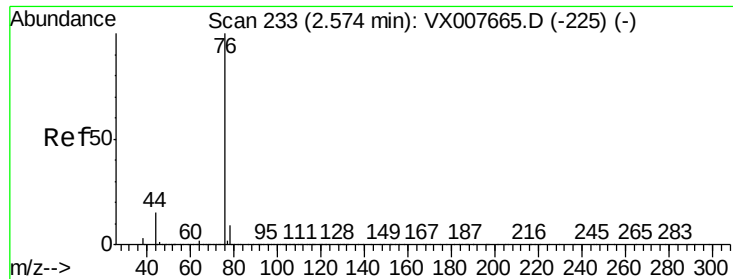
58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

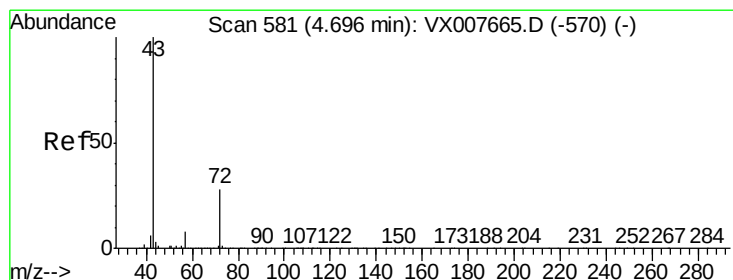
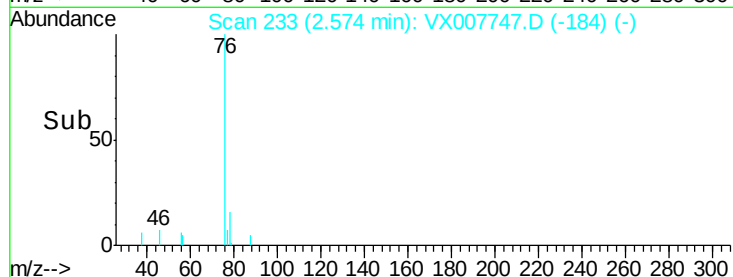
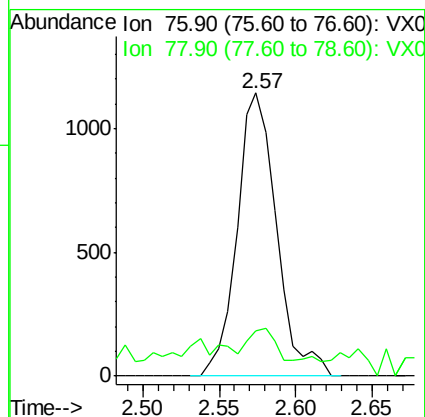
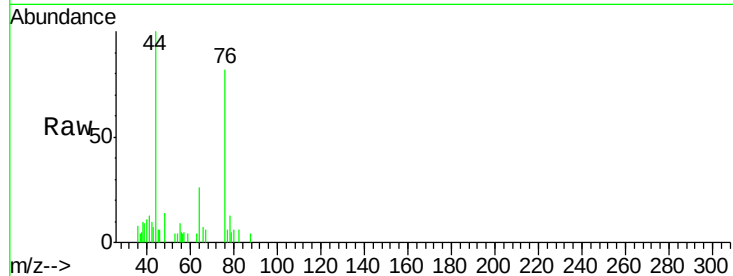
ClientSampled :

MW-2

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.1	10.7

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#25

2-Butanone

Concen: 2.432 ug/l

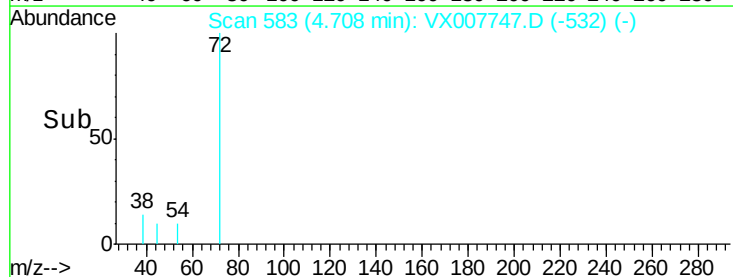
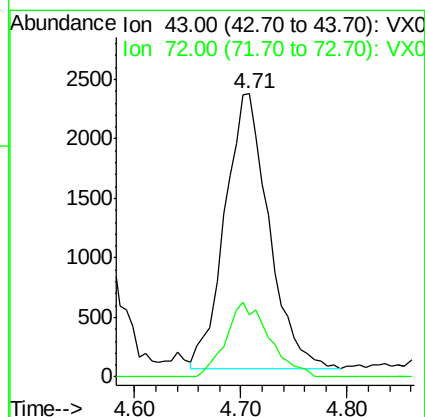
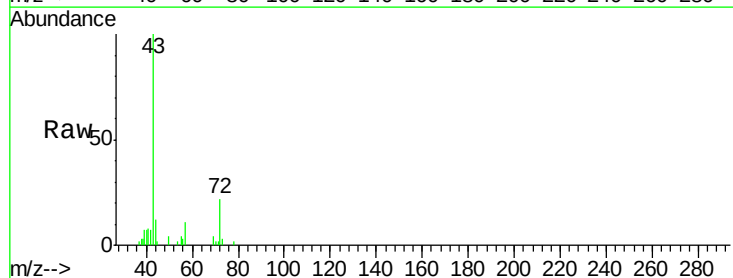
RT: 4.71 min Scan# 583

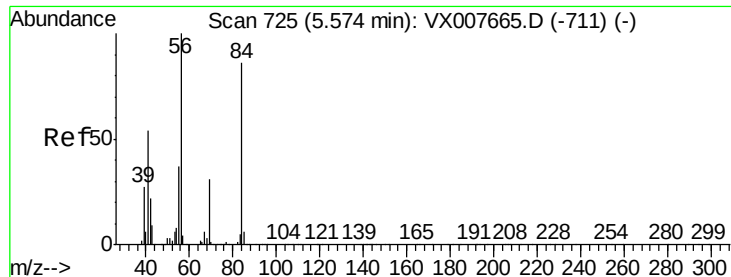
Delta R.T. 0.01 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	22.2	33.2





#31

Cyclohexane

Concen: 45.954 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

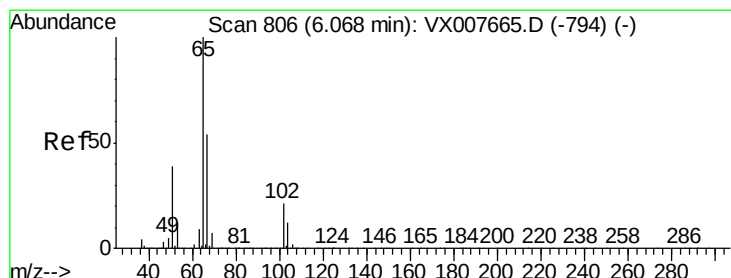
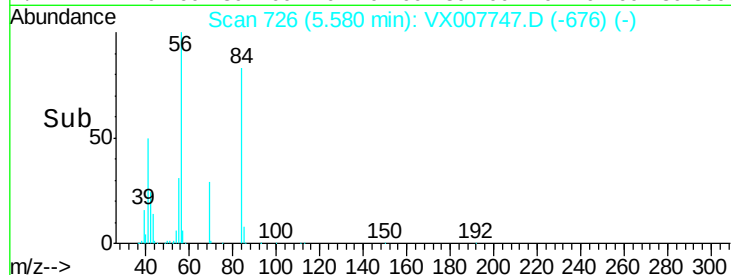
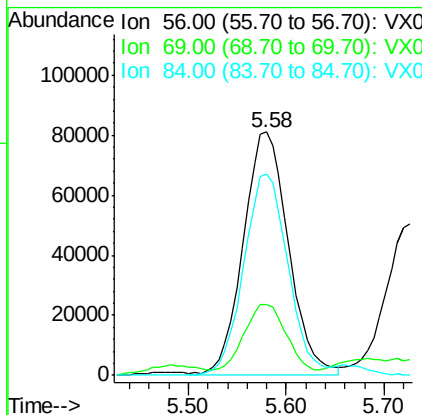
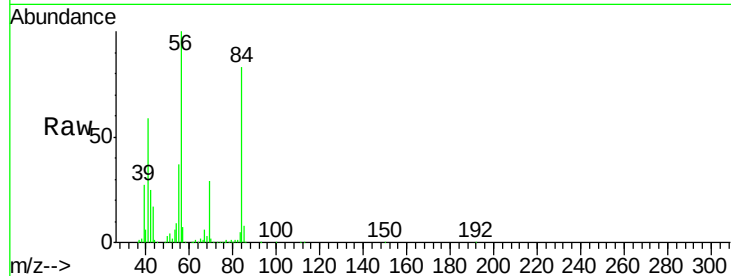
ClientSampled :

MW-2

Tot Ion:	56	Resp:	260464
Ion Ratio	Lower	Upper	
56	100		
69	25.6	23.0	34.6
84	83.3	69.8	104.6

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#33

1,2-Dichloroethane-d4

Concen: 46.779 ug/l

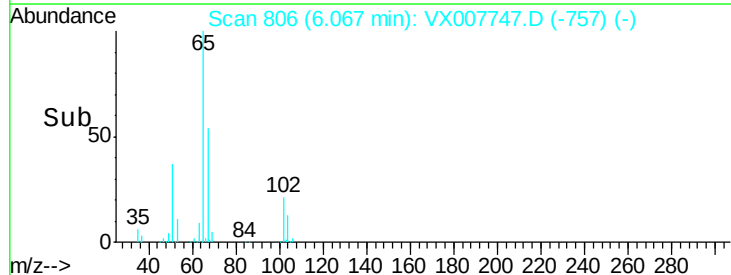
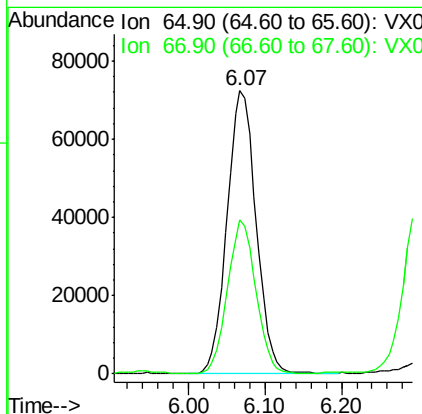
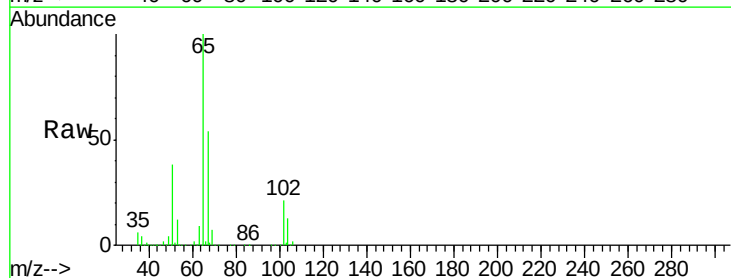
RT: 6.07 min Scan# 806

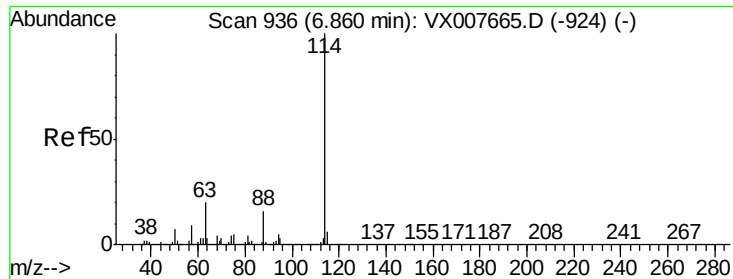
Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Tgt Ion:	65	Resp:	190808
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

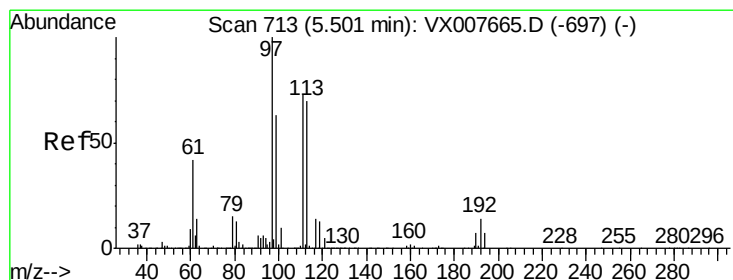
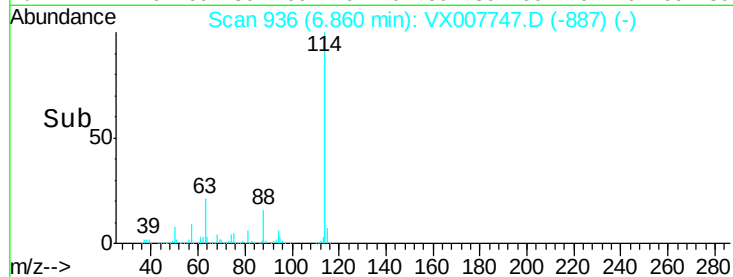
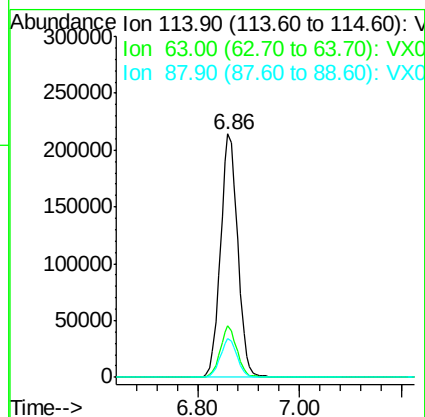
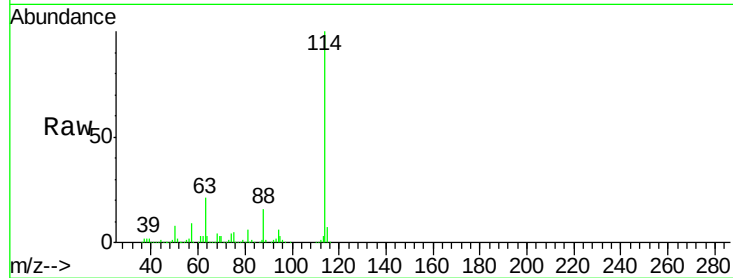
ClientSampled :

MW-2

Tot Ion:	114	Resp:	502749
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	35.6
88	16.2	0.0	29.6

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.172 ug/l

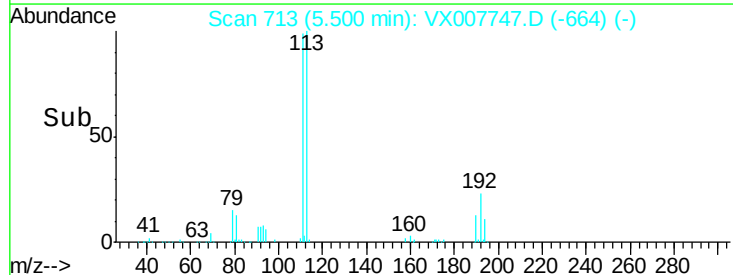
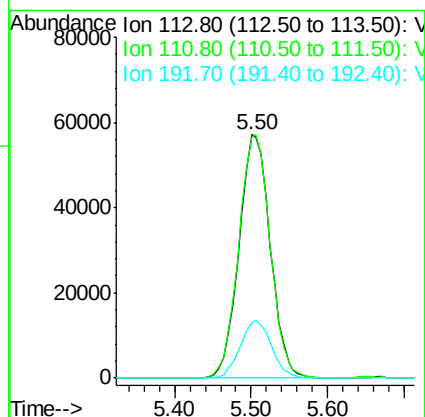
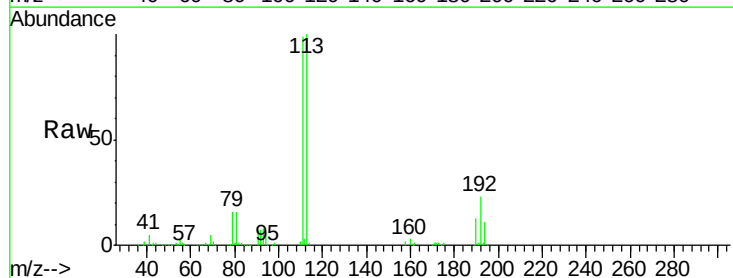
RT: 5.50 min Scan# 713

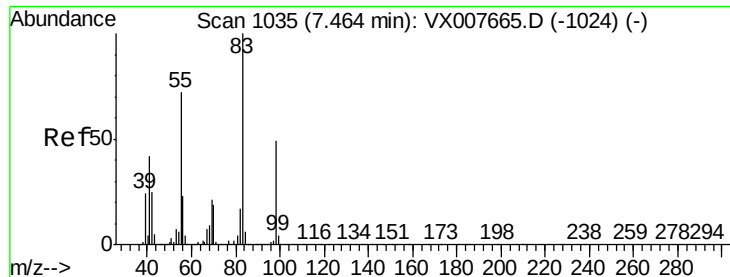
Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Tgt Ion:	113	Resp:	161893
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.8	122.8
192	23.8	18.5	27.7





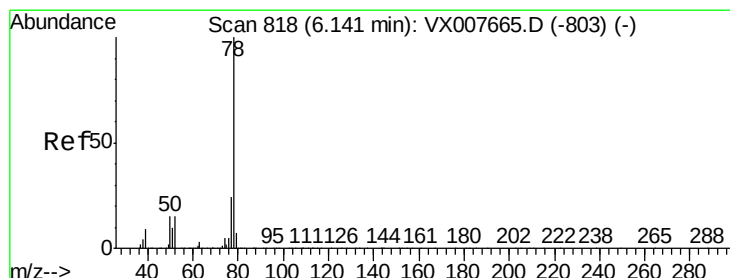
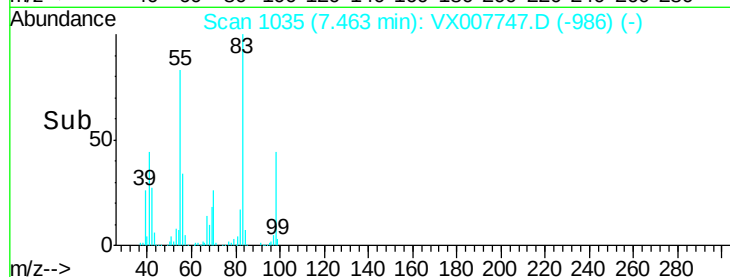
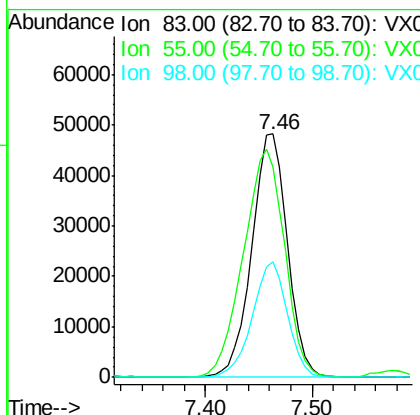
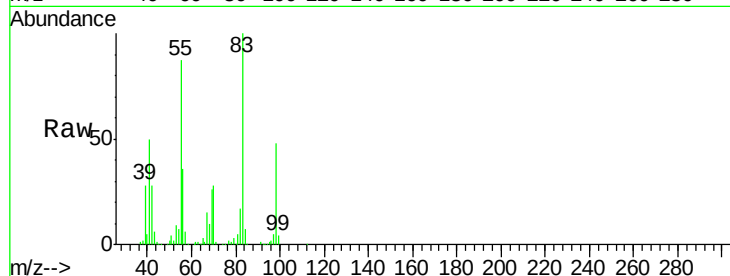
#39
Methylvlcyclohexane
Concen: 19.814 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	56.2	84.2#
98	47.6	36.8	55.2

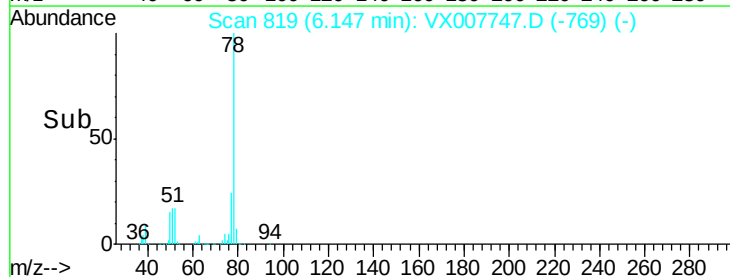
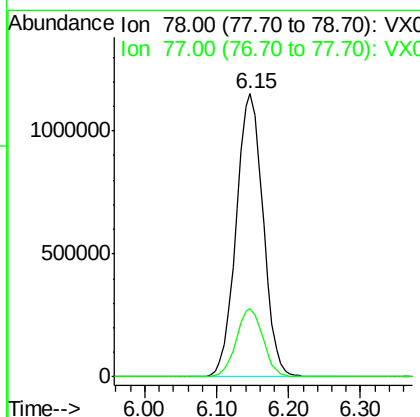
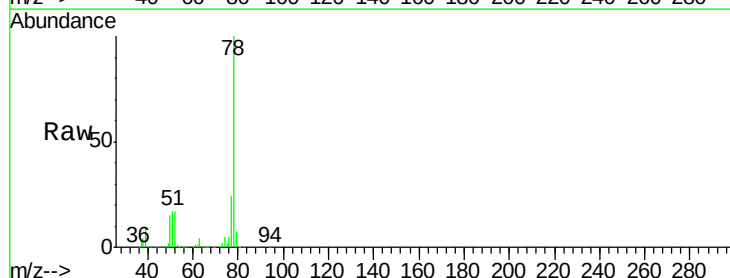
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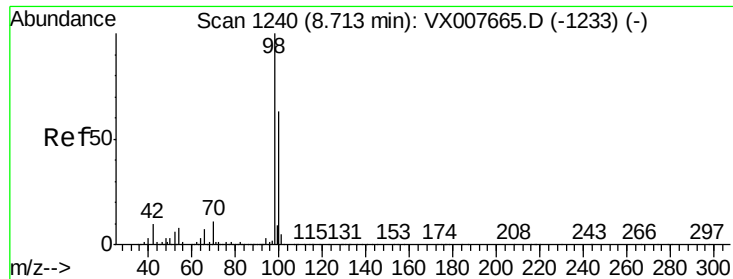
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#40
Benzene
Concen: 214.067 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





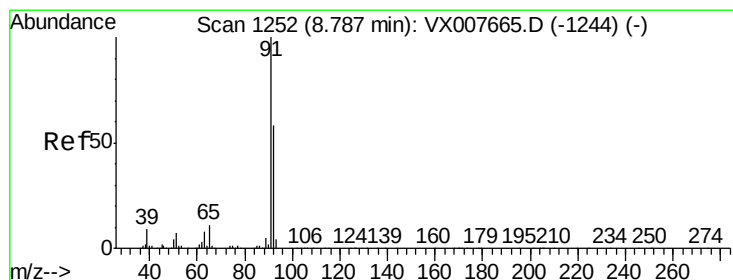
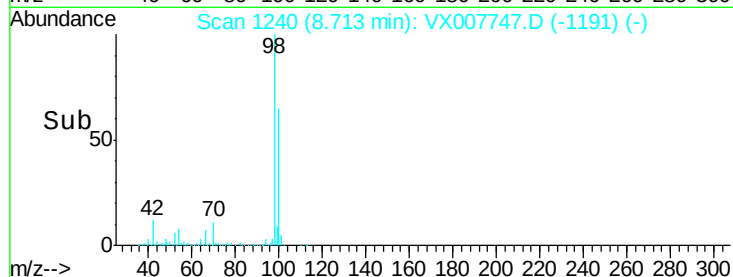
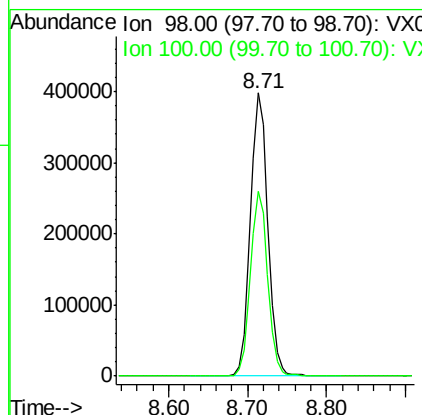
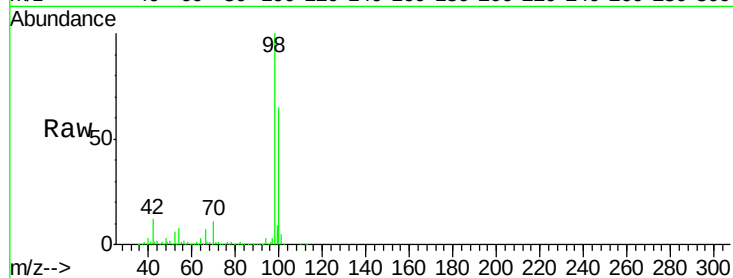
#50
Toluene-d8
Concen: 47.834 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	98	Resp	615439
Ion Ratio	100	Lower	Upper
98	100	51.6	77.4

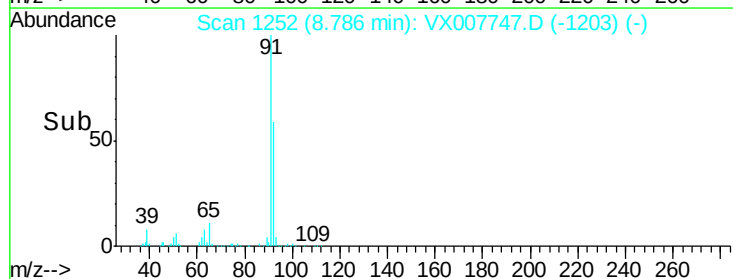
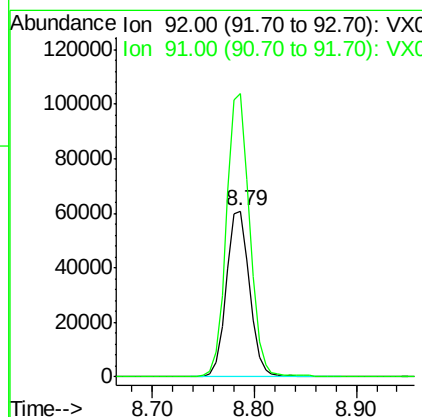
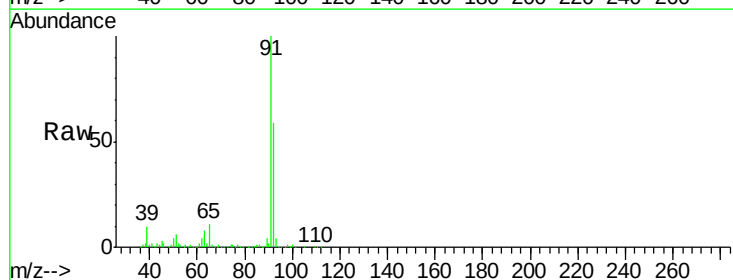
Manual Integrations
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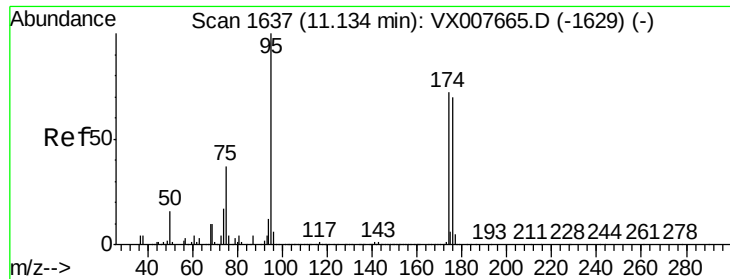
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#52
Toluene
Concen: 10.924 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Tgt Ion	92	Resp	96117
Ion Ratio	100	Lower	Upper
92	100	139.1	208.7





#62

4-Bromofluorobenzene

Concen: 48.683 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

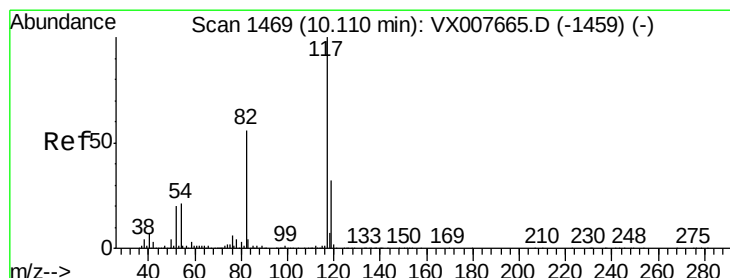
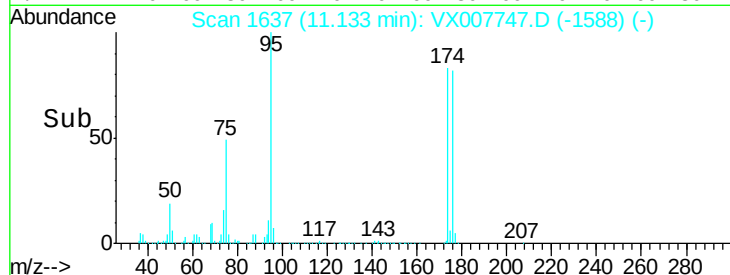
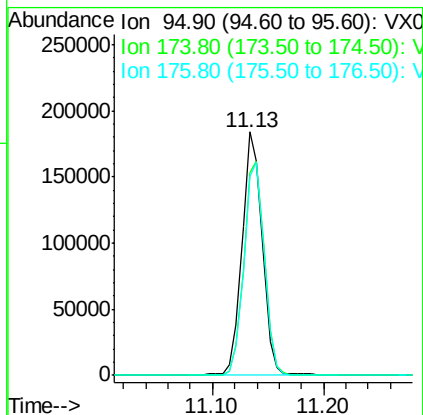
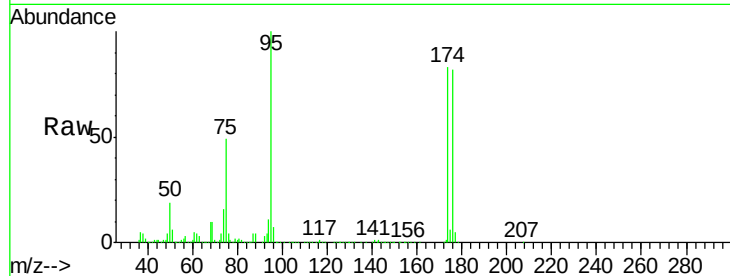
ClientSampled :

MW-2

Tot Ion:	95	Resp:	229897
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	189.2
176	88.4	0.0	186.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

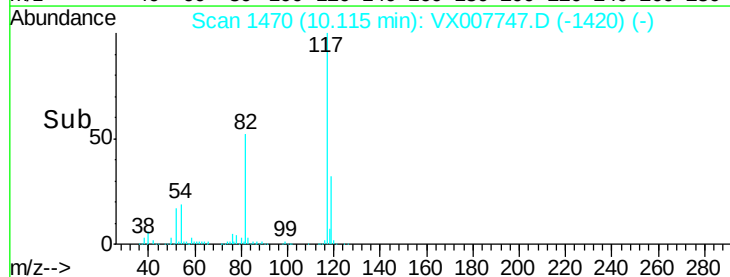
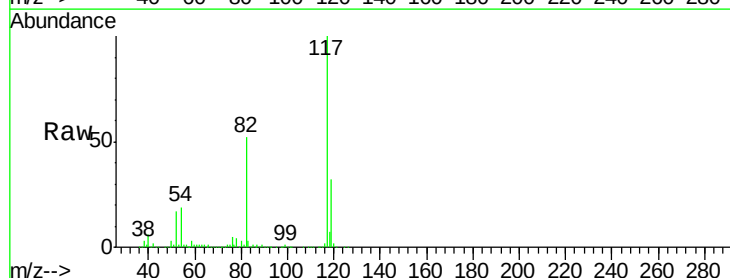
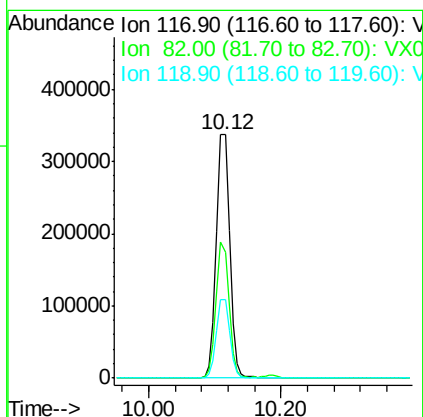
RT: 10.12 min Scan# 1470

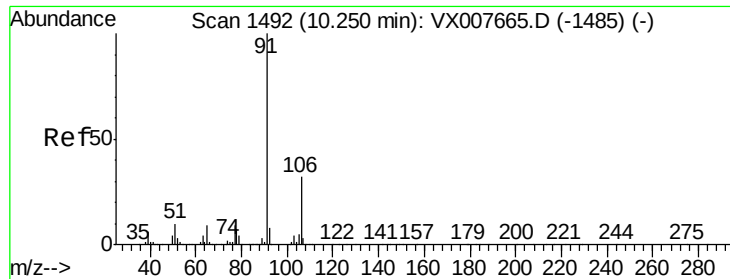
Delta R.T. 0.01 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Tgt Ion:	117	Resp:	471373
Ion Ratio	Lower	Upper	
117	100		
82	51.8	42.1	63.1
119	32.3	26.5	39.7





#67

Ethyl Benzene

Concen: 211.152 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 3566011

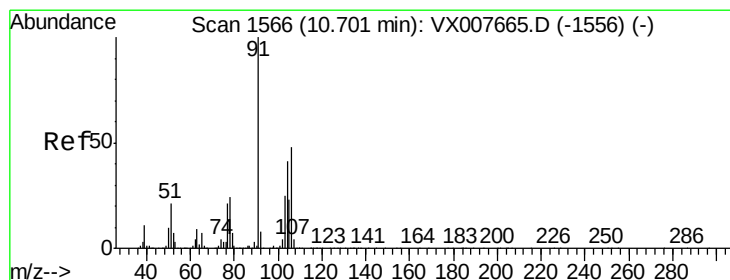
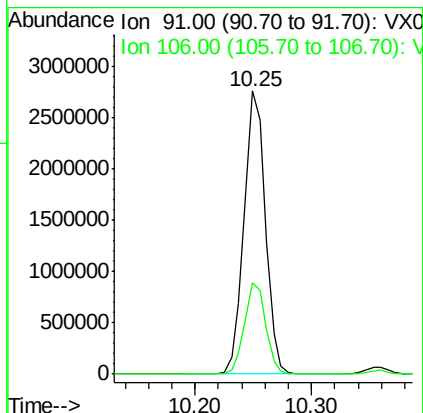
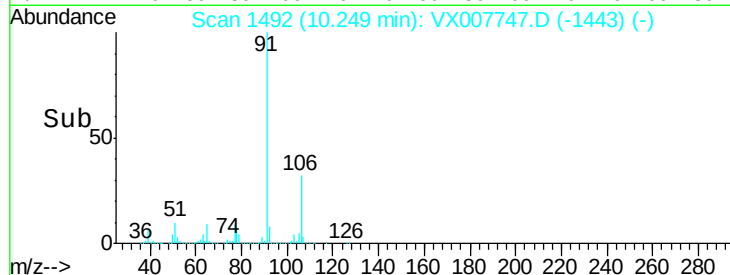
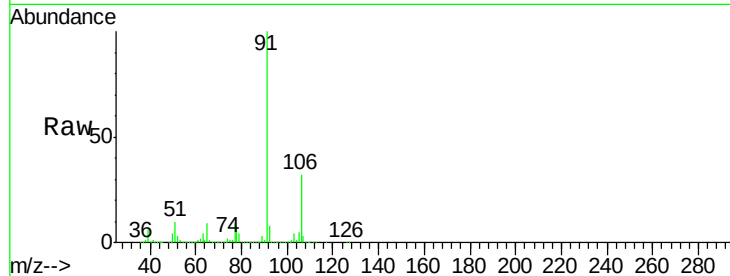
Ion Ratio Lower Upper

91 100

106 32.2 25.4 38.0

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#69

o-Xylene

Concen: 2.244 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007747.D

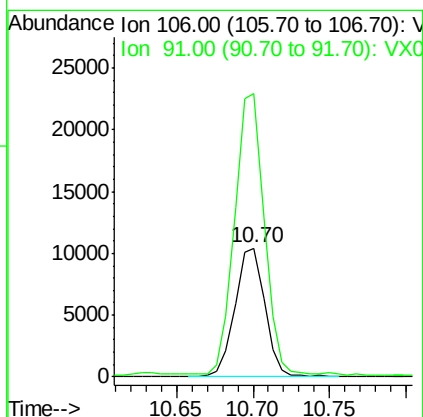
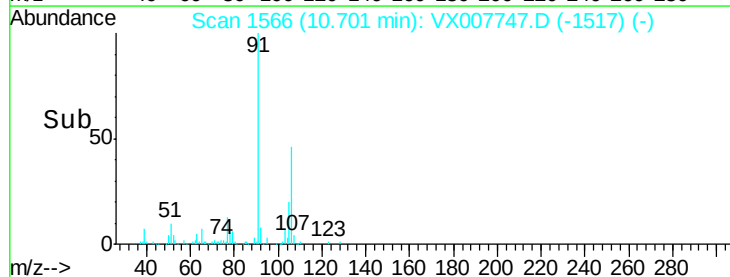
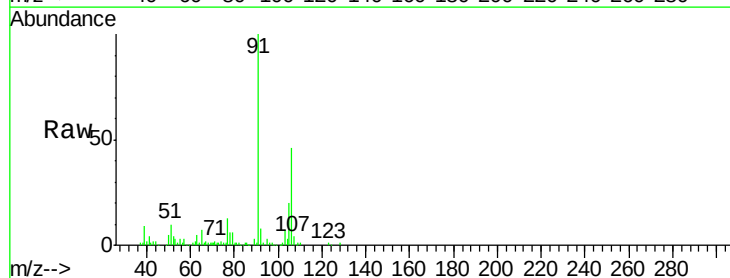
Acq: 27 Feb 2019 21:11

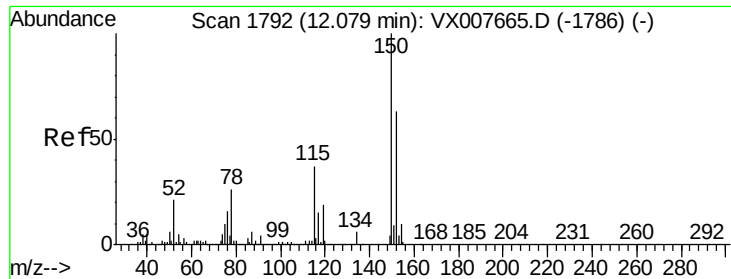
Tgt Ion: 106 Resp: 14182

Ion Ratio Lower Upper

106 100

91 213.5 102.9 308.7





#72

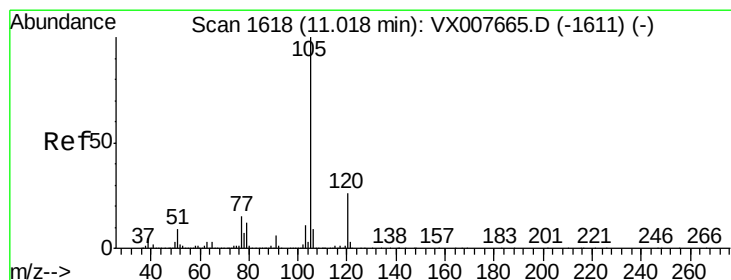
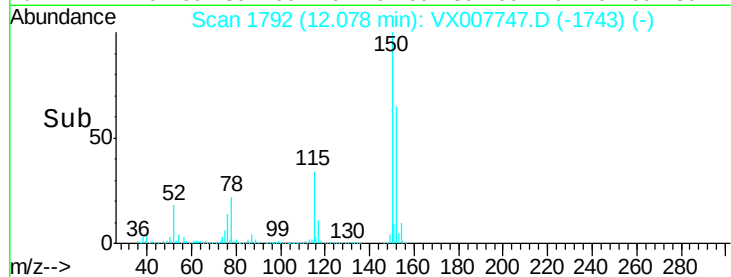
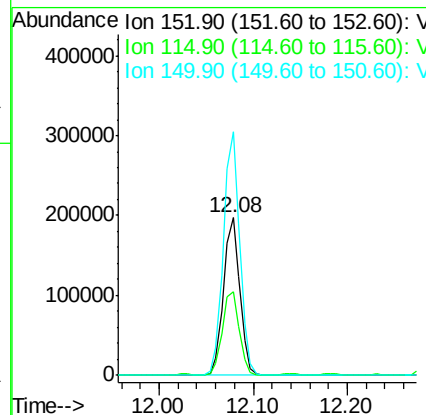
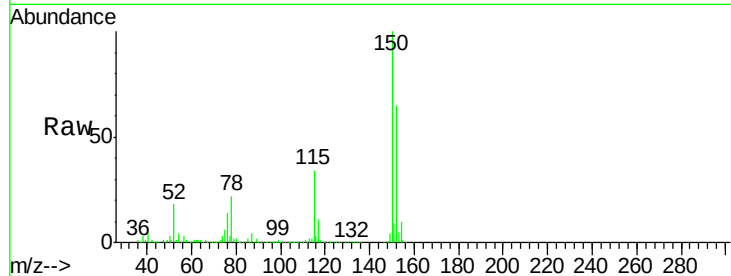
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	237265		
115	54.7	38.0	114.0	
150	154.8	0.0	346.4	

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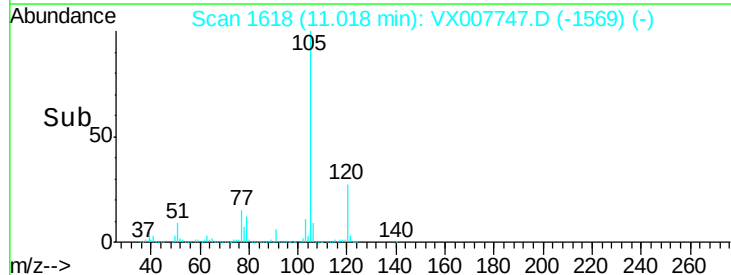
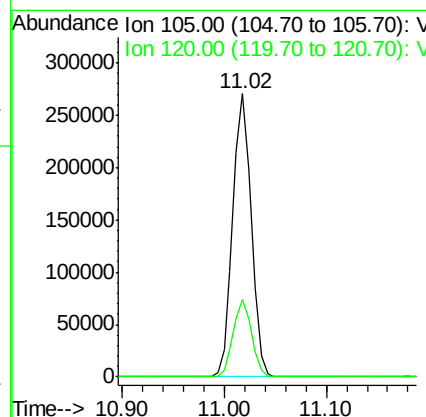
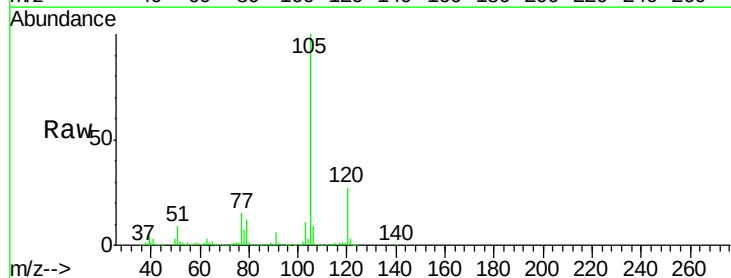
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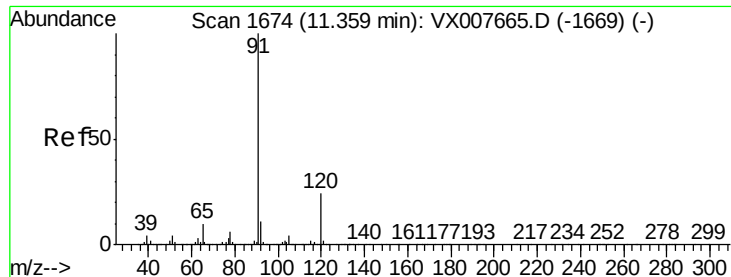


#73

Isopropylbenzene
Concen: 19.997 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339096		
120	27.0	13.6	40.7	





#78

n-propylbenzene

Concen: 42.071 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007747.D

Acq: 27 Feb 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 806182

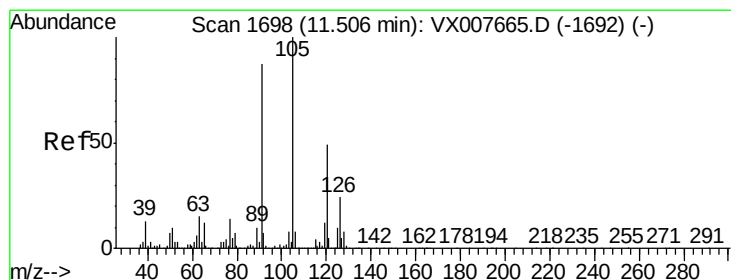
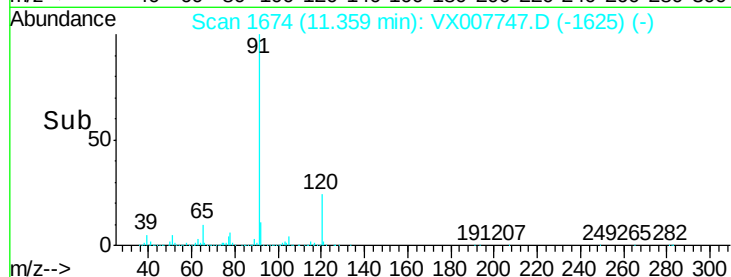
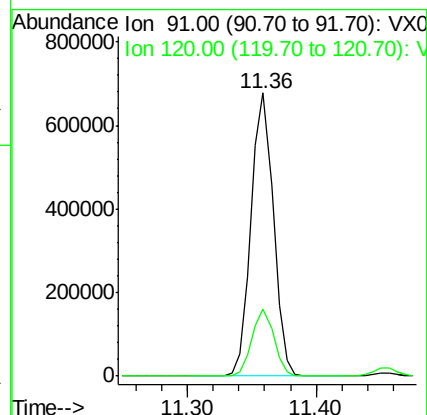
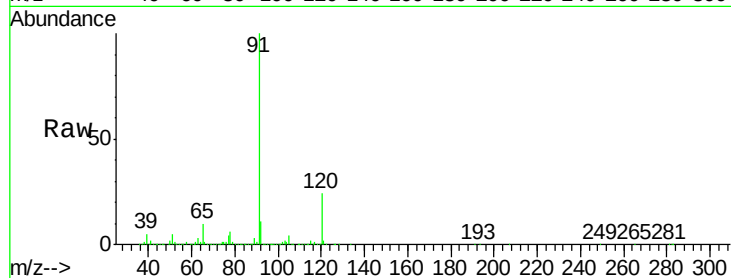
Ion Ratio Lower Upper

91 100

120 23.5 12.4 37.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 0.688 ug/l m

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007747.D

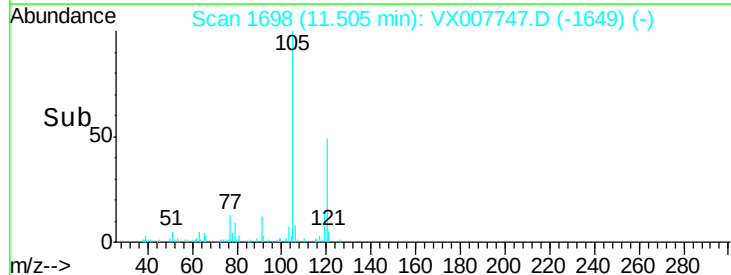
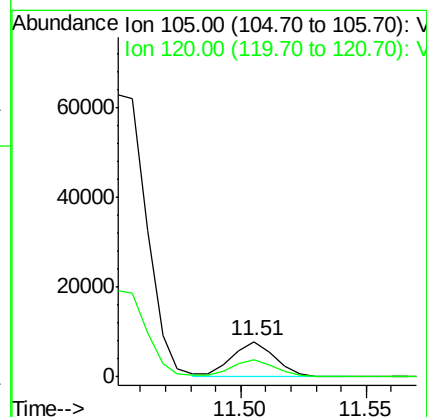
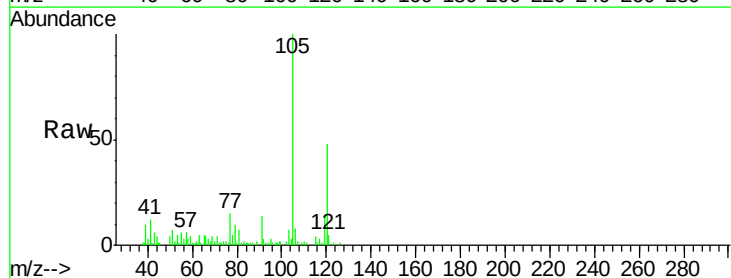
Acq: 27 Feb 2019 21:11

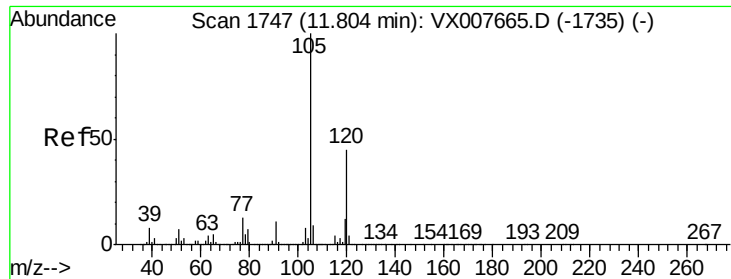
Tgt Ion: 105 Resp: 9602

Ion Ratio Lower Upper

105 100

120 0.0 25.3 75.8#





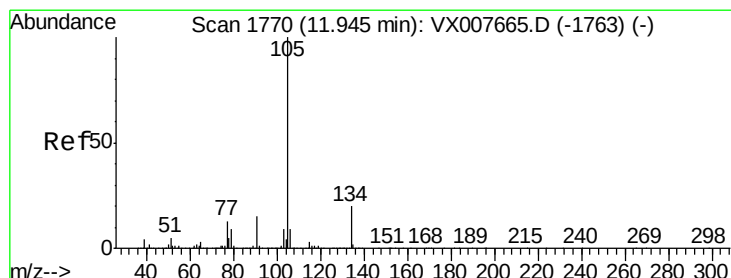
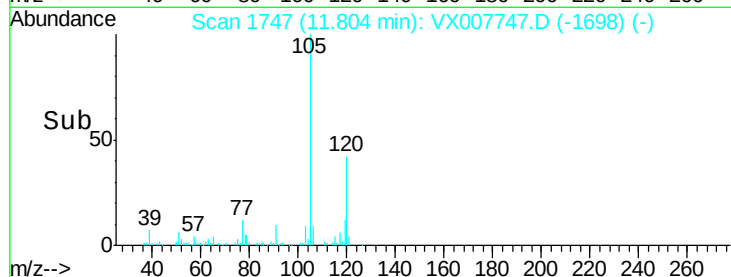
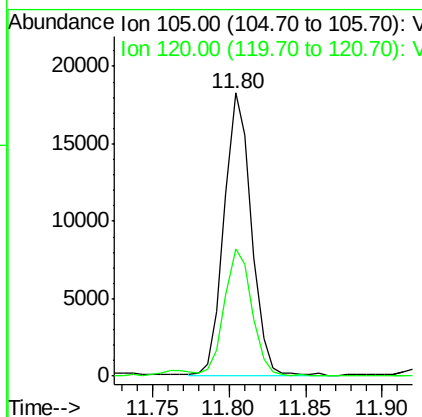
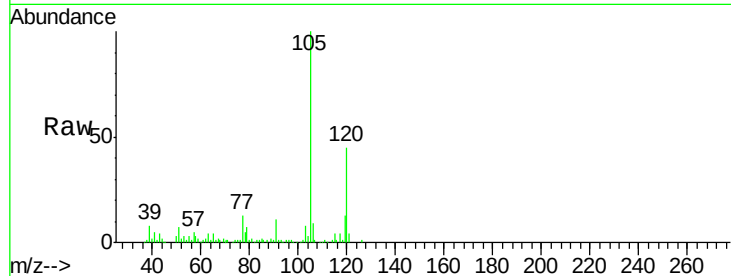
#84
 1,2,4-Trimethylbenzene
 Concen: 1.586 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007747.D
 Acq: 27 Feb 2019 21:11

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion	Ratio	Resp	Lower	Upper
105	100	22625		
120	45.1	23.1	69.3	

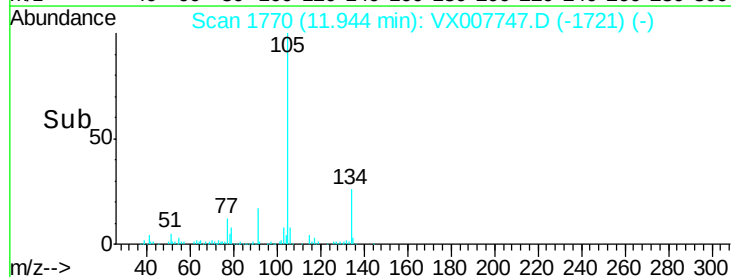
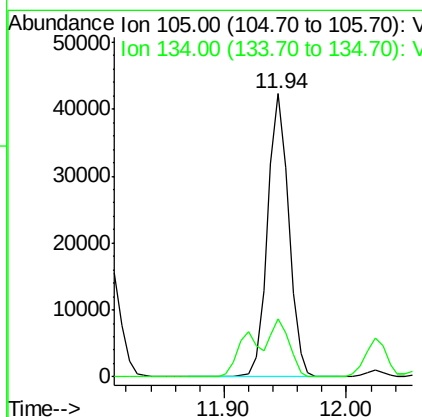
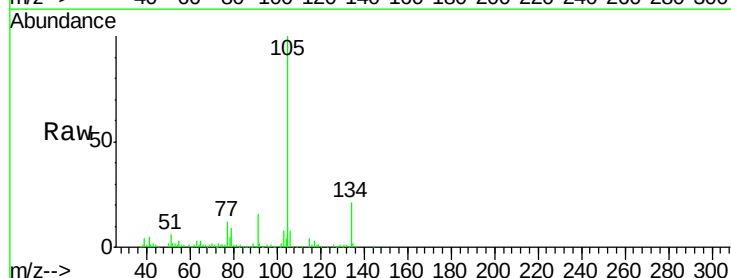
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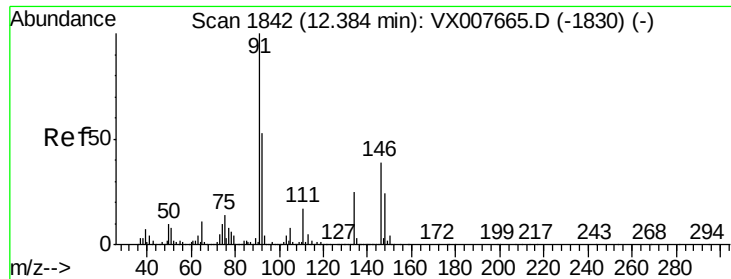
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#85
 sec-Butylbenzene
 Concen: 3.019 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007747.D
 Acq: 27 Feb 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	50672		
134	18.5	10.6	31.8	





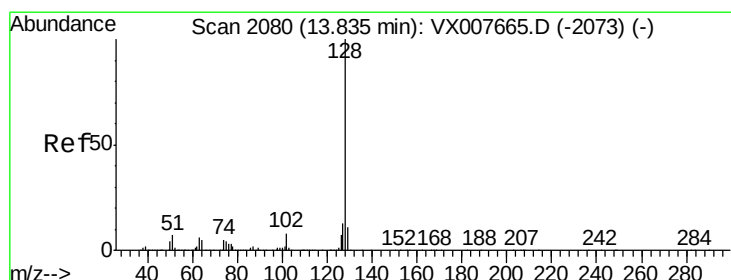
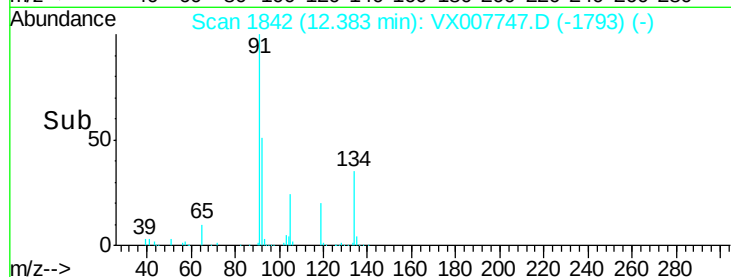
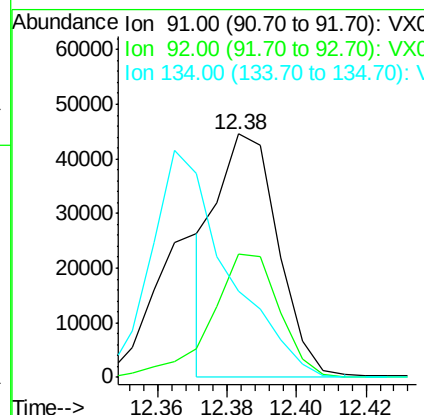
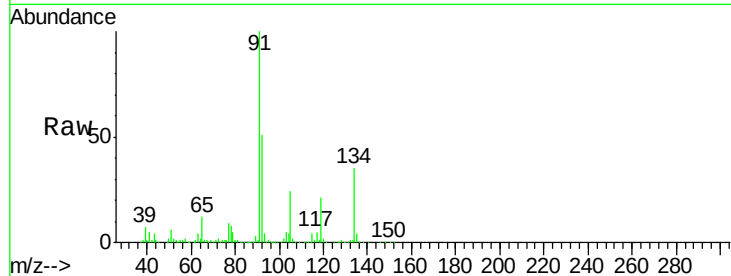
#89
n-Butylbenzene
Concen: 4.167 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	26.3	78.9
134	116.2	13.9	41.6#

Manual Integrations
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#95
Naphthalene
Concen: 32.346 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007747.D
Acq: 27 Feb 2019 21:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	8.7	13.1

