

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054097.D
 Acq On : 5 Mar 2019 14:21
 Operator : JC/SP
 Sample : K1727-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:17 AM

Quant Time: Mar 06 09:26:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1070884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	462613	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	376393	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	355959	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1375147	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	494333	56.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.22%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.19	62	85504	11.056	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	19780	3.062	ug/l	89
27) cis-1,2-Dichloroethene	6.83	96	2210825	307.720	ug/l	95
31) Cyclohexane	7.66	56	25672	1.870	ug/l #	54
39) Methylcyclohexane	9.08	83	20098	1.647	ug/l	92
40) Benzene	8.04	78	50530	1.624	ug/l	98
44) Trichloroethene	8.83	130	4583	0.556	ug/l	74
52) Toluene	10.16	92	962720	52.561	ug/l	99
67) Ethyl Benzene	11.51	91	384822	10.157	ug/l	98
68) m/p-Xylenes	11.62	106	1032564	72.208	ug/l	97
69) o-Xylene	11.95	106	593874	42.266	ug/l	97
73) Isopropylbenzene	12.25	105	46530	1.292	ug/l	96
78) n-propylbenzene	12.59	91	137239	3.351	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1131348	38.375	ug/l	98
83) tert-Butylbenzene	12.99	119	56575	2.170	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	1840602	62.537	ug/l	99
85) sec-Butylbenzene	13.17	105	49236m	1.383	ug/l	
86) p-Isopropyltoluene	13.29	119	120249	3.994	ug/l	100
95) Naphthalene	15.13	128	266557	16.829	ug/l	99

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

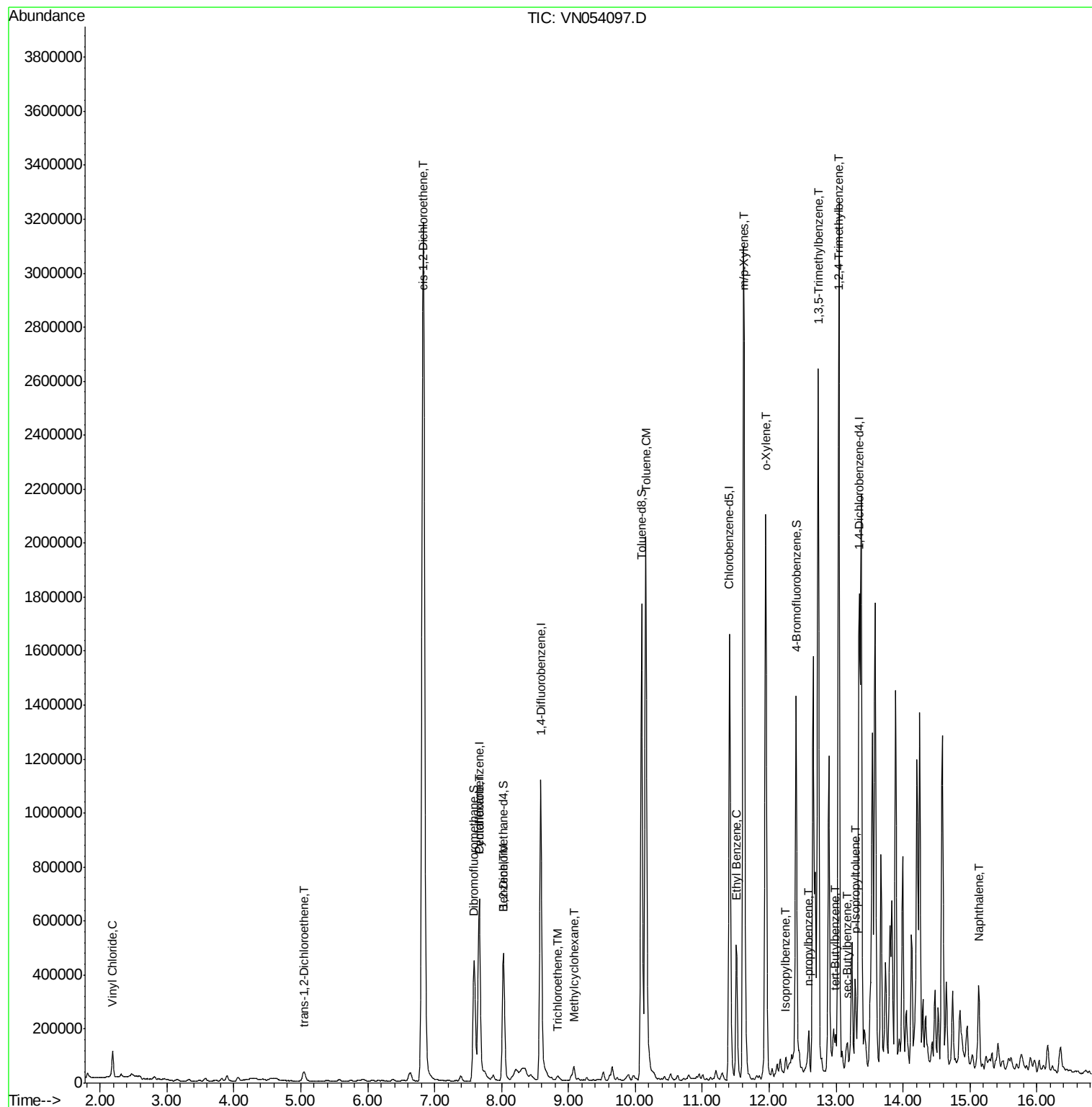
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054097.D
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ALS Vial : 9 Sample Multiplier: 1

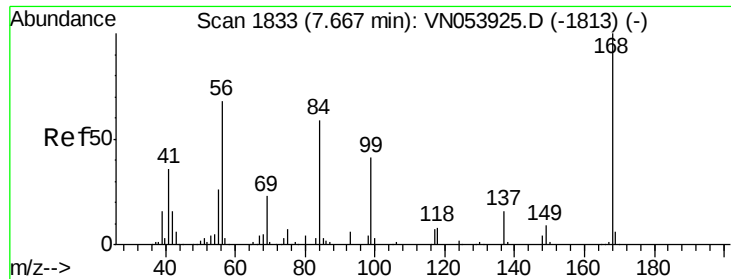
Instrument :
MSVOA_N
ClientSampleId :
MW-11

Manual Integrations
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Quant Time: Mar 06 09:26:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tot Ion:168 Resp: 604645

Ion Ratio Lower Upper

168 100

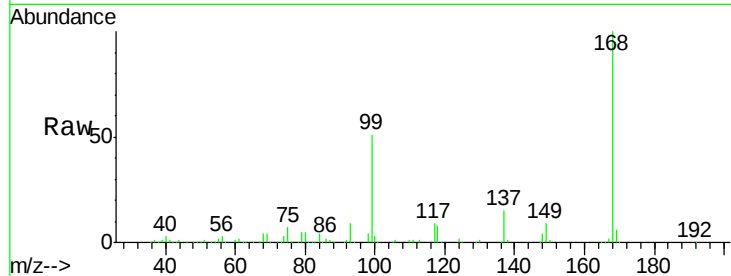
99 51.0 36.9 55.3

Manual Integrations

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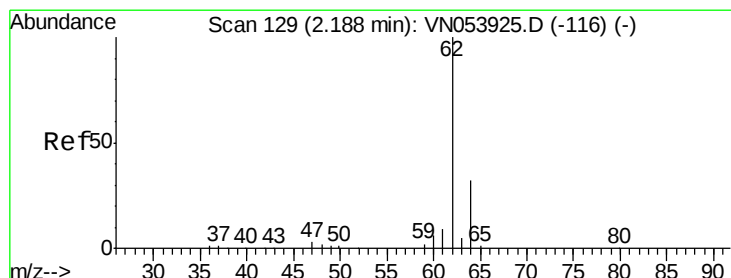
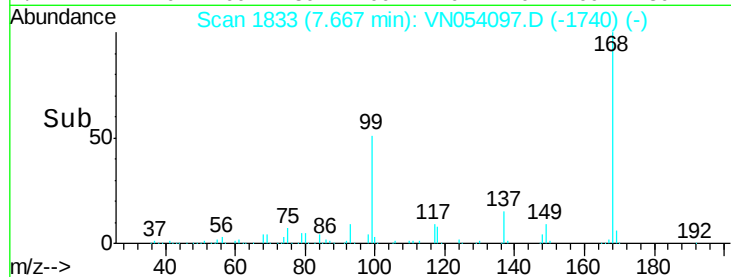
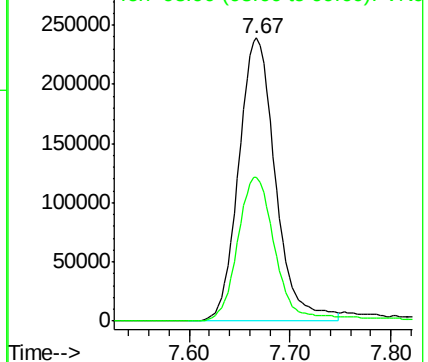
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 11.056 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054097.D

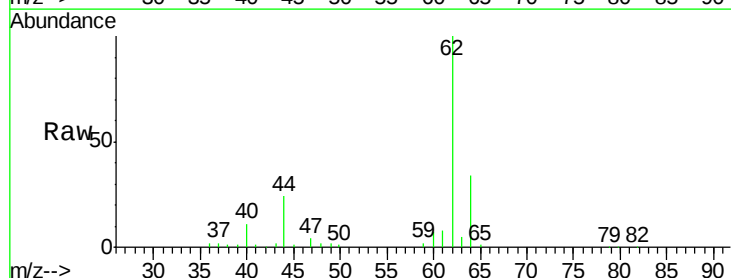
Acq: 5 Mar 2019 14:21

Tgt Ion: 62 Resp: 85504

Ion Ratio Lower Upper

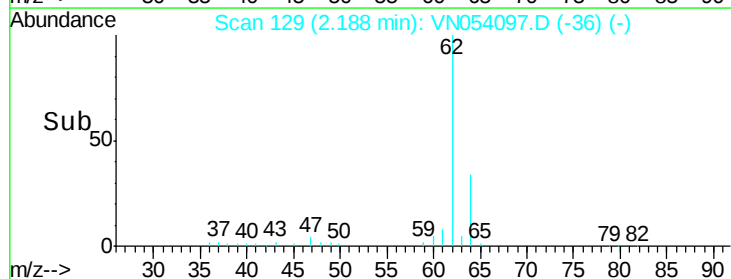
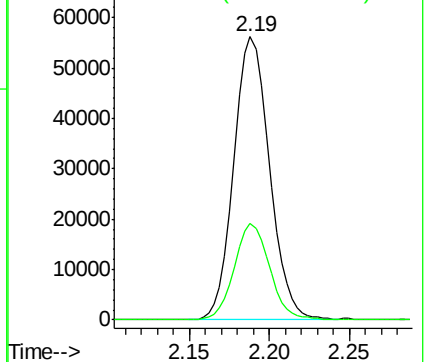
62 100

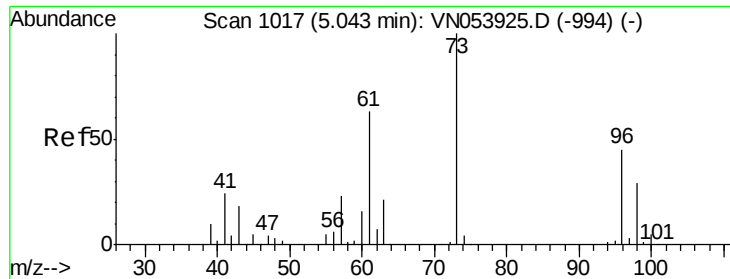
64 34.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#21

trans-1,2-Dichloroethene

Concen: 3.062 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tot Ion: 96 Resp: 19780

Ion Ratio Lower Upper

96 100

61 141.9 104.5 156.7

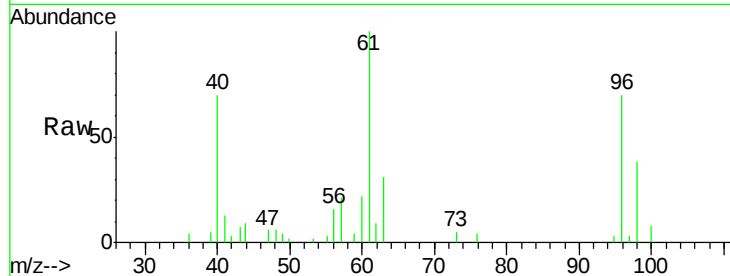
98 53.7 50.6 76.0

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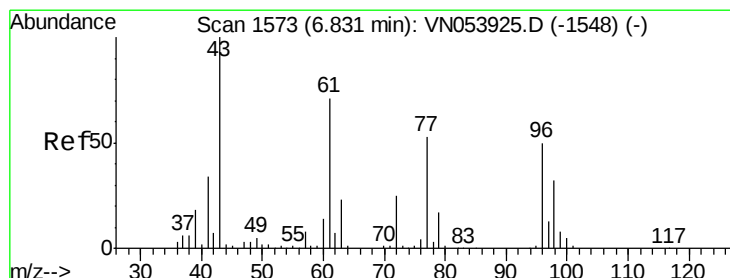
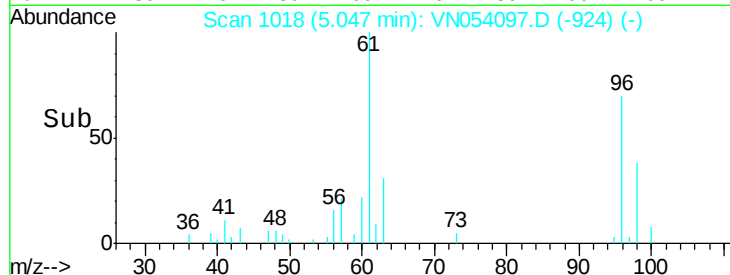
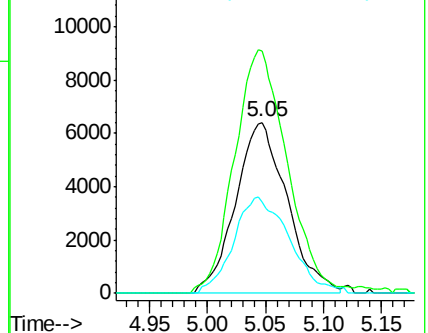
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 307.720 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

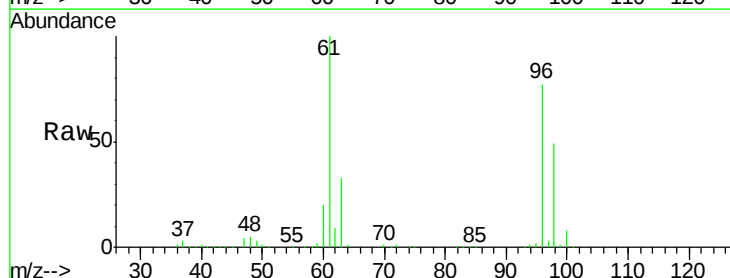
Tgt Ion: 96 Resp: 2210825

Ion Ratio Lower Upper

96 100

61 130.5 0.0 275.6

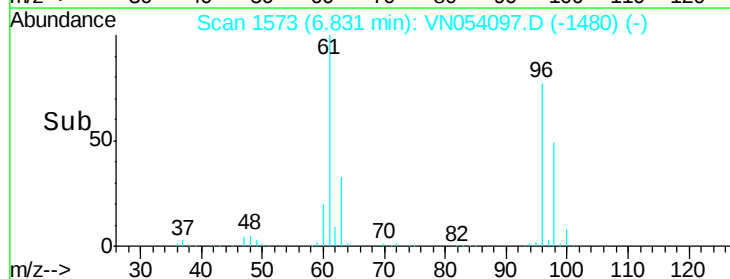
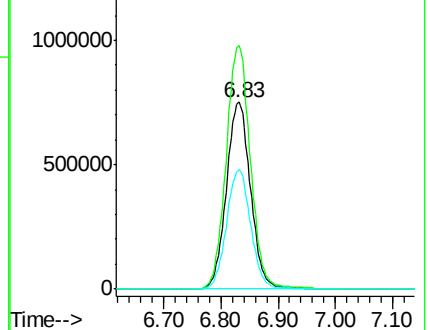
98 64.0 0.0 130.0

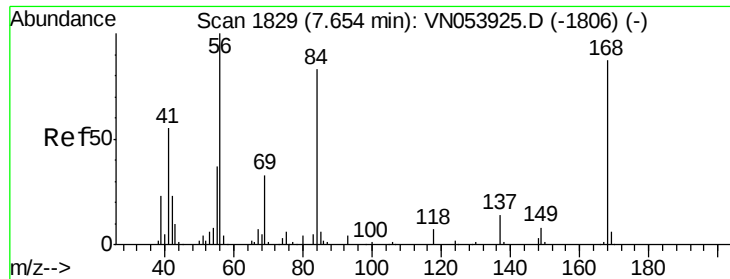


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





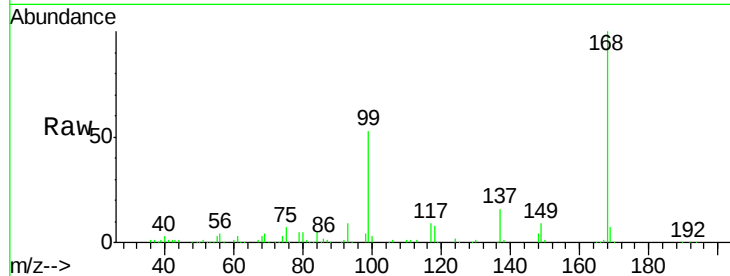
#31
Cyclohexane
Concen: 1.870 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
MW-11

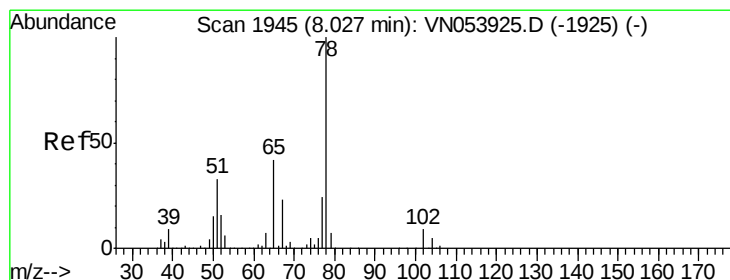
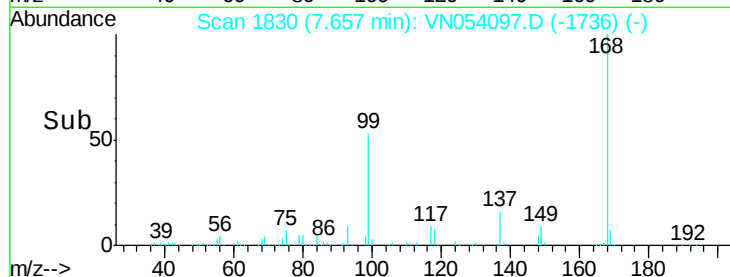
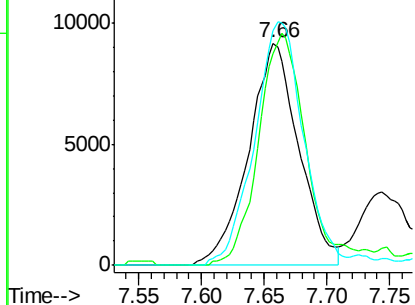
Tot Ion	56	69	84
Resp: 25672	100	95.3	105.8
Lower		26.0	69.1
Upper		39.0#	103.7#

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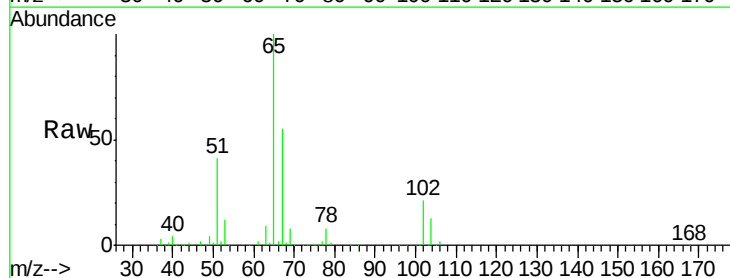


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

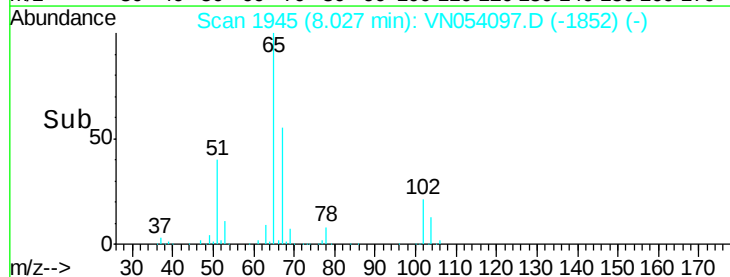
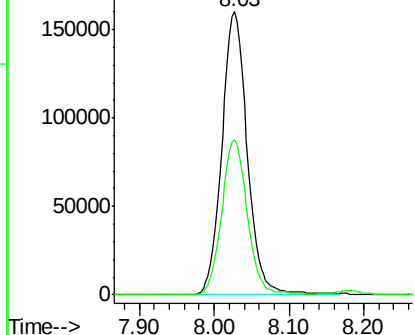


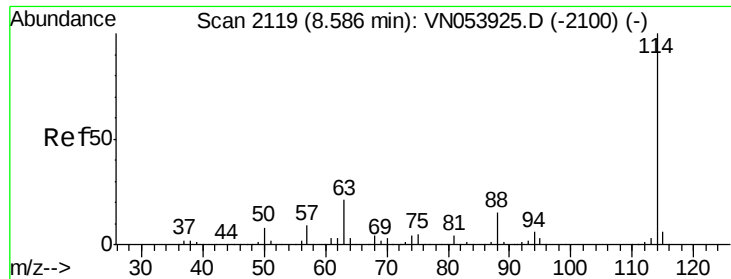
#33
1,2-Dichloroethane-d4
Concen: 53.104 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion	65	67
Resp: 376393	100	55.2
Lower		0.0
Upper		111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tot Ion:114 Resp: 1088804

Ion Ratio Lower Upper

114 100

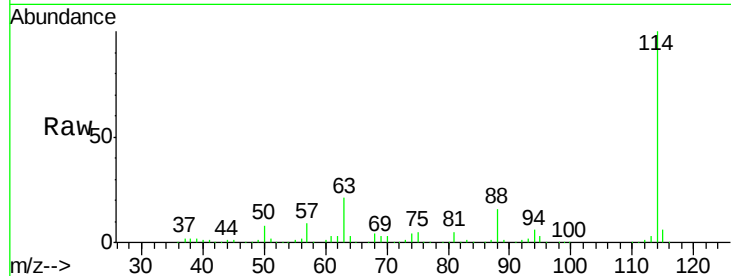
63 20.6 0.0 37.4

88 15.5 0.0 30.4

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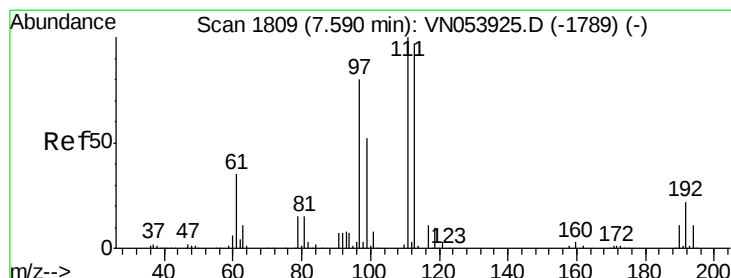
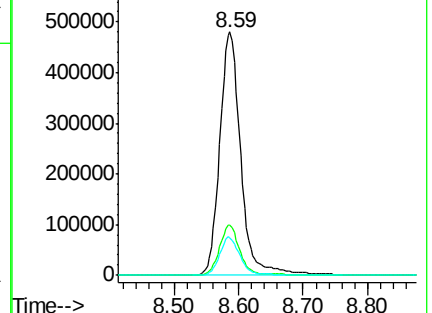
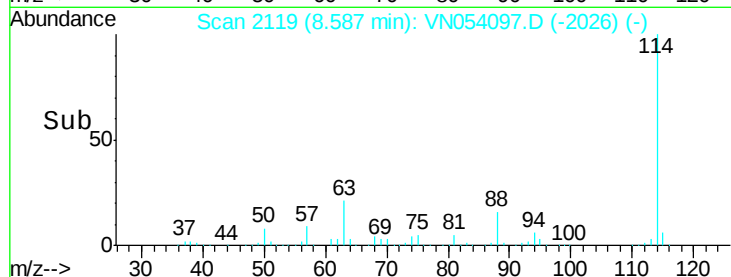
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.556 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

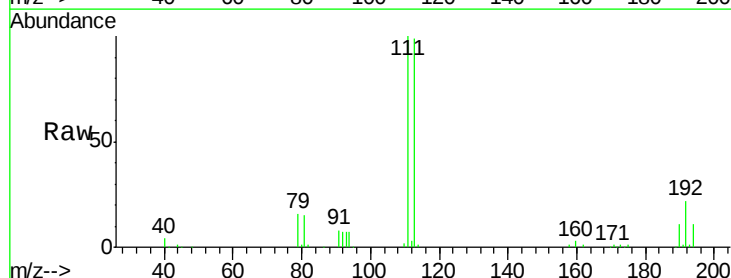
Tgt Ion:113 Resp: 355959

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

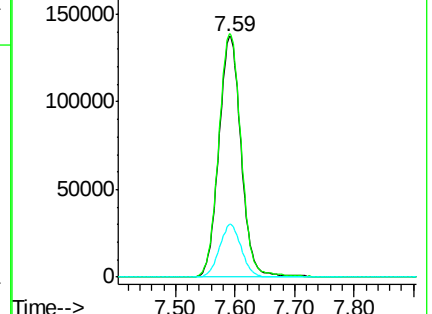
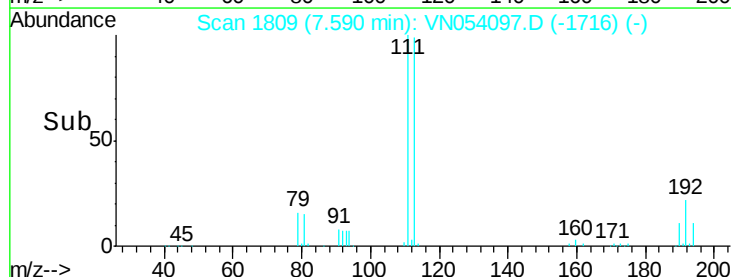
192 21.5 18.8 28.2

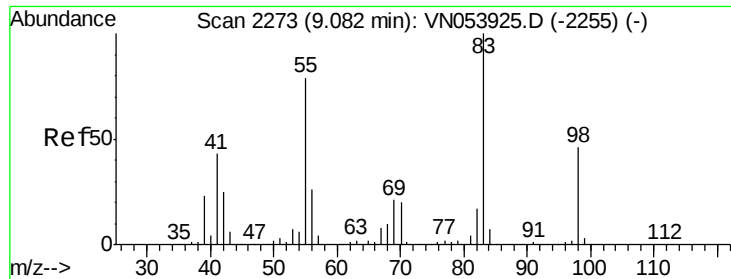


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





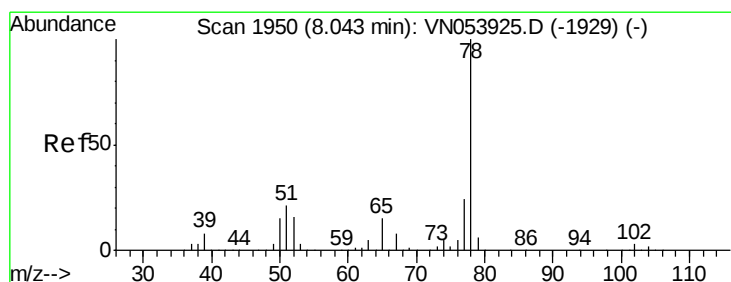
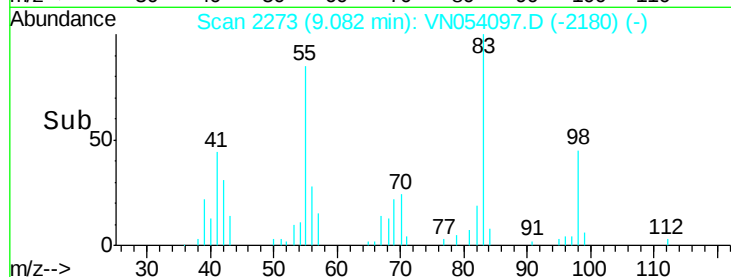
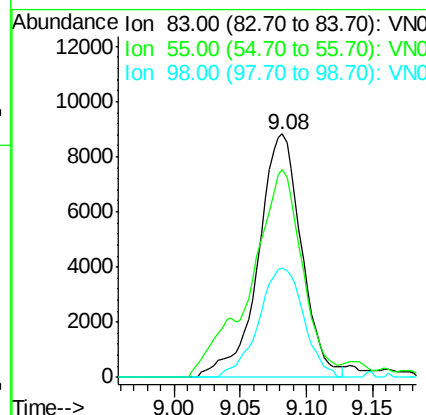
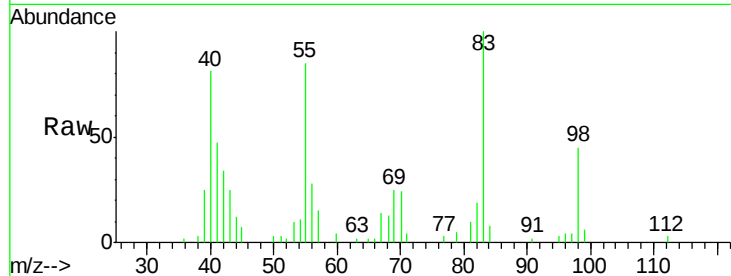
#39
Methvlcvclohexane
Concen: 1.647 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	58.2	87.4
98	44.9	37.2	55.8

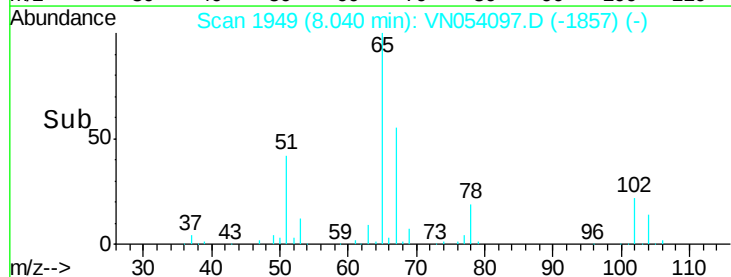
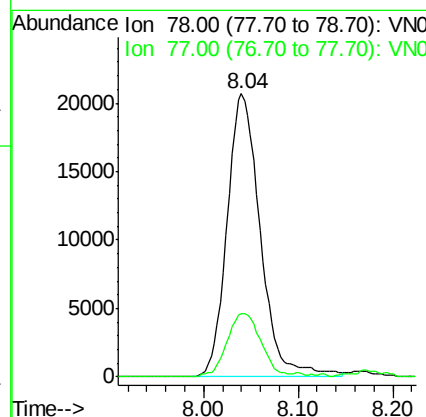
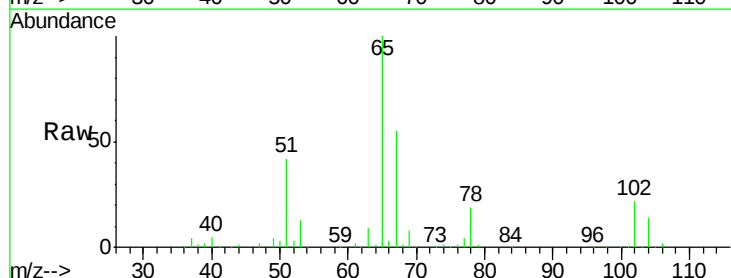
Manual Integrations
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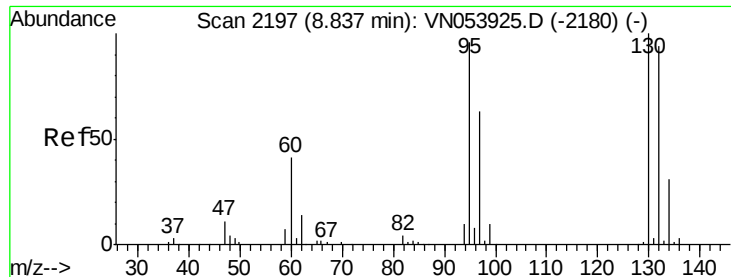
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#40
Benzene
Concen: 1.624 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.8	28.2





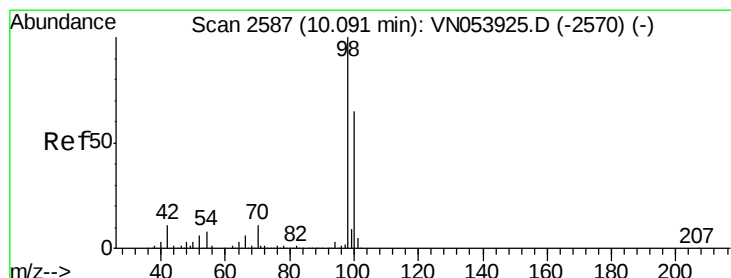
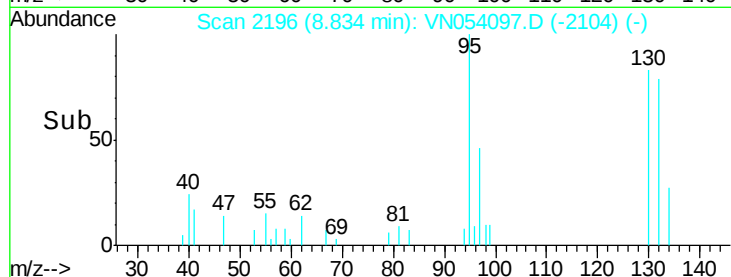
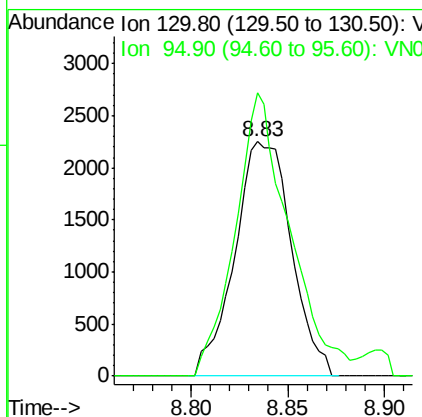
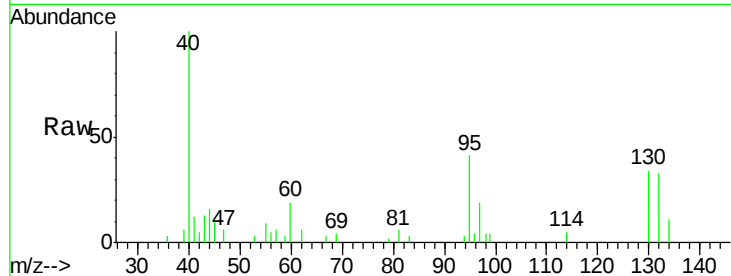
#44
 Trichloroethene
 Concen: 0.556 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tot Ion:130 Resp: 4583
 Ion Ratio Lower Upper
 130 100
 95 120.6 0.0 190.0

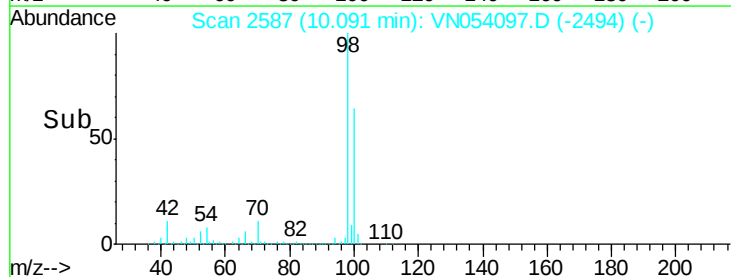
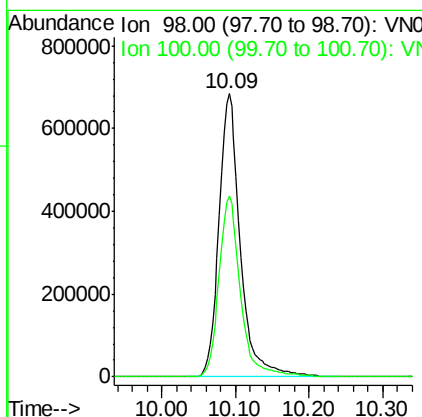
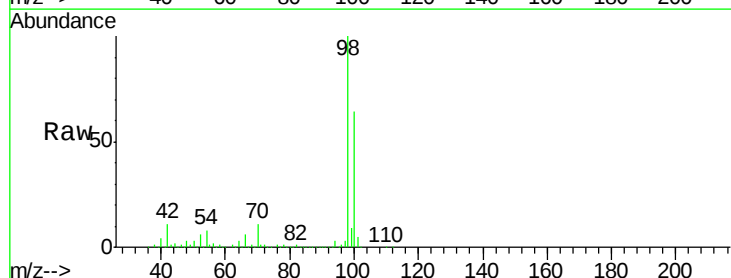
Manual Integrations
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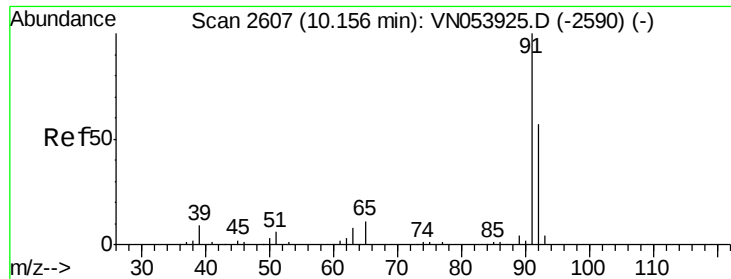
MMDadoda
 3/6/2019 9:16:17 AM



#50
 Toluene-d8
 Concen: 52.467 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054097.D
 Acq: 5 Mar 2019 14:21

Tgt Ion: 98 Resp: 1375147
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.9 77.9





#52

Toluene

Concen: 52.561 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tot Ion: 92 Resp: 962720

Ion Ratio Lower Upper

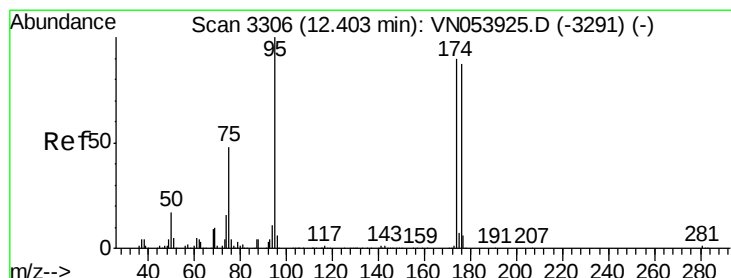
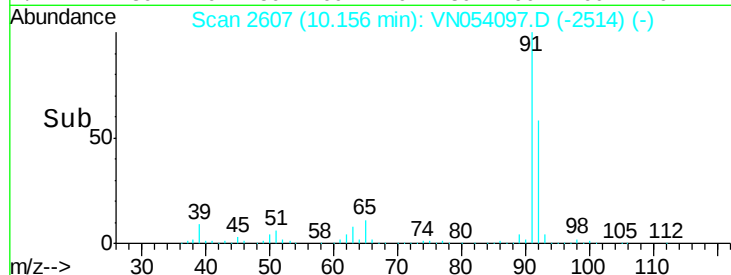
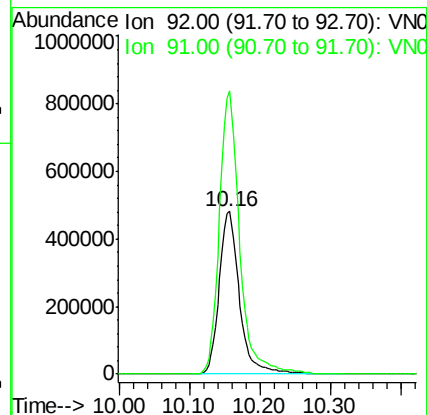
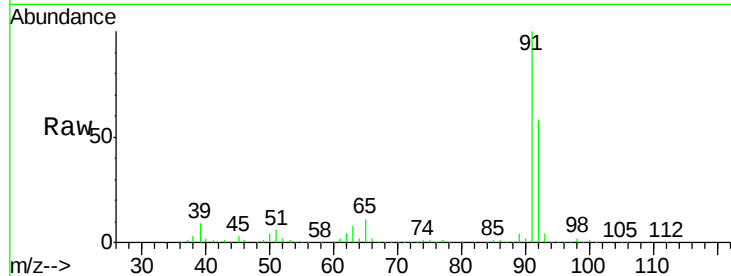
92 100

91 174.2 138.4 207.6

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#62

4-Bromofluorobenzene

Concen: 56.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

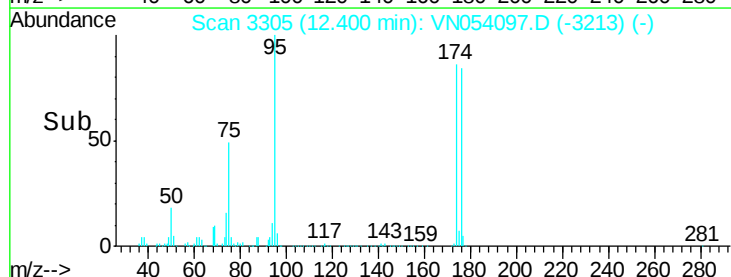
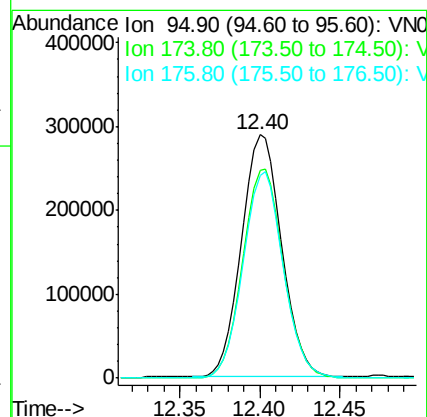
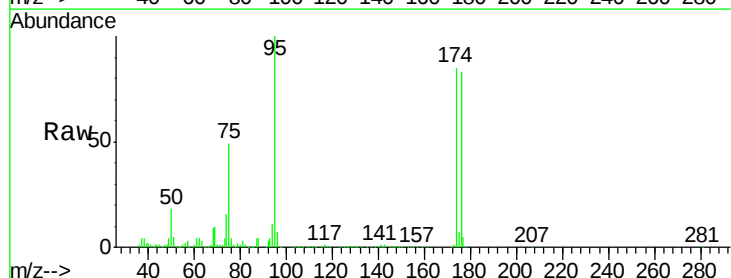
Tgt Ion: 95 Resp: 494333

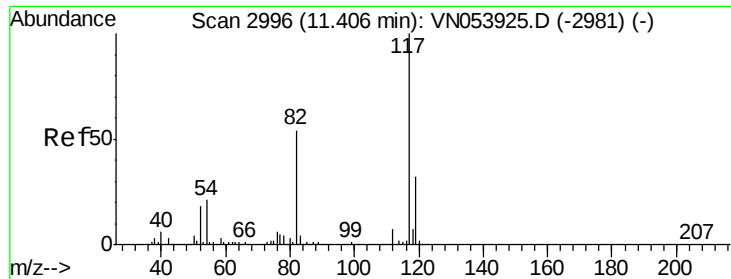
Ion Ratio Lower Upper

95 100

174 87.4 0.0 188.8

176 85.1 0.0 182.6





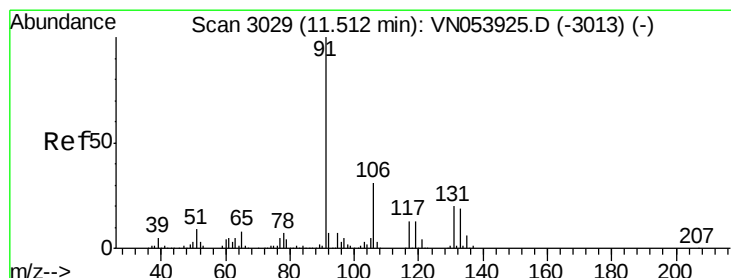
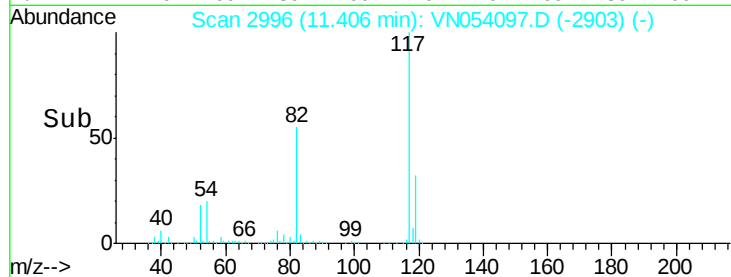
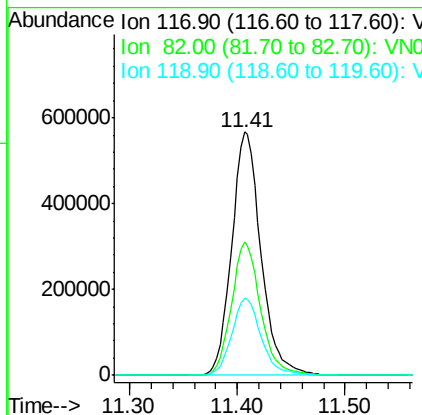
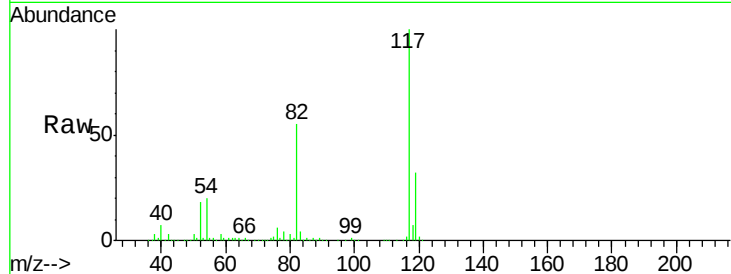
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.4	62.2
119	31.6	25.3	37.9

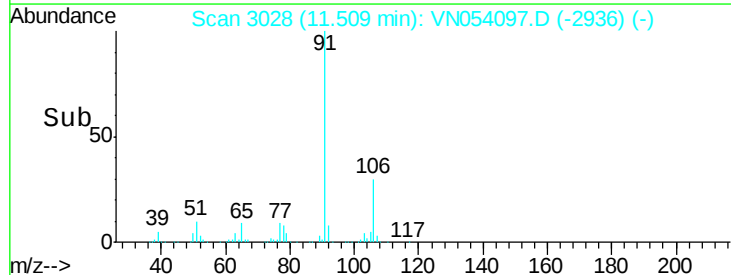
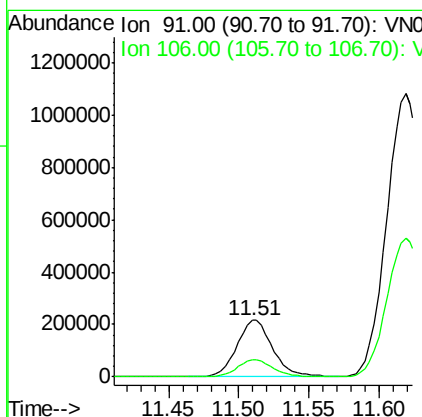
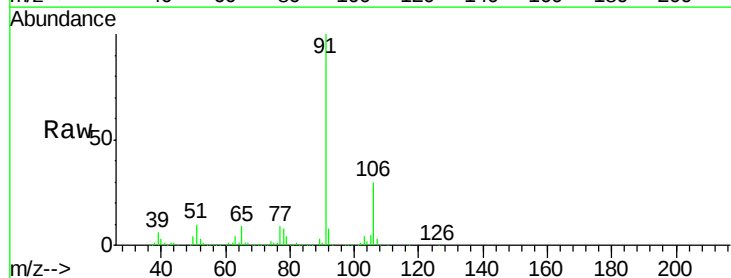
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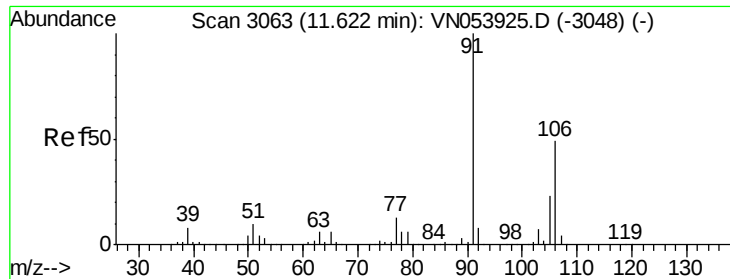
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#67
Ethyl Benzene
Concen: 10.157 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.2	37.8





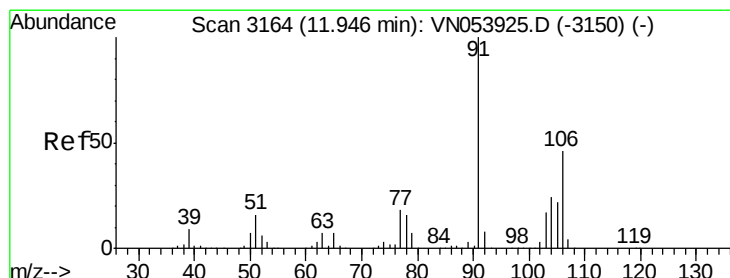
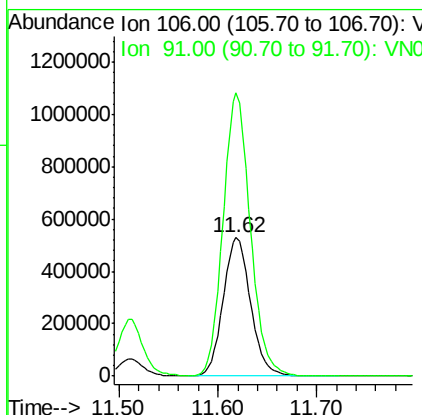
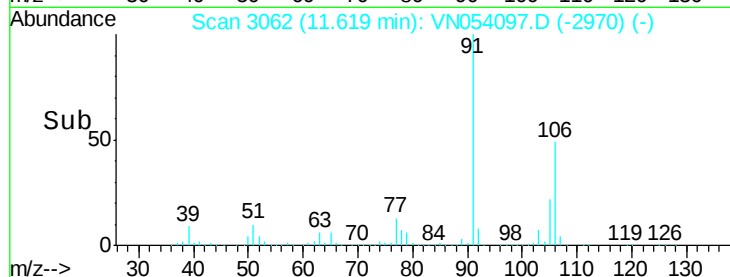
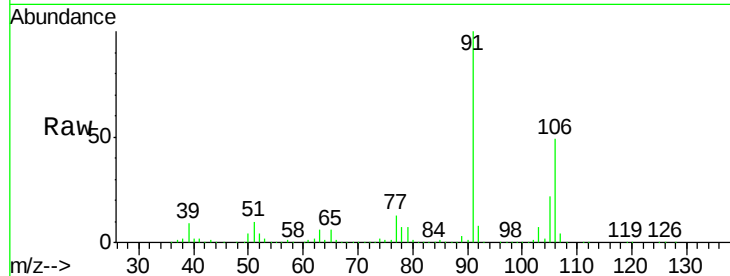
#68
m/p-Xylenes
Concen: 72.208 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion:106 Resp: 1032564
Ion Ratio Lower Upper
106 100
91 202.7 158.9 238.3

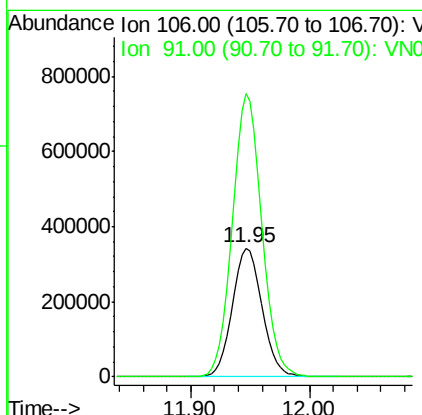
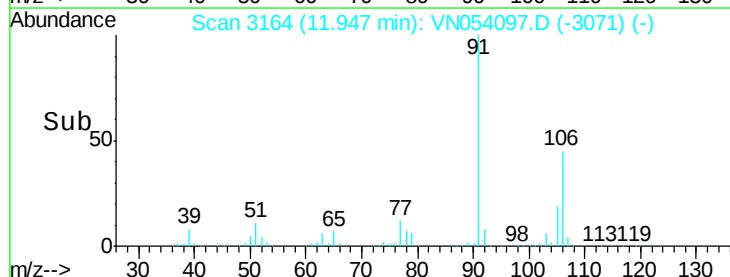
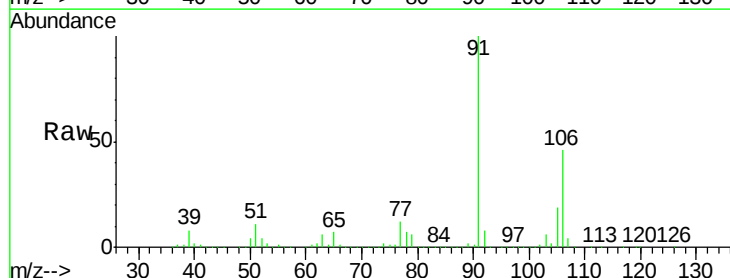
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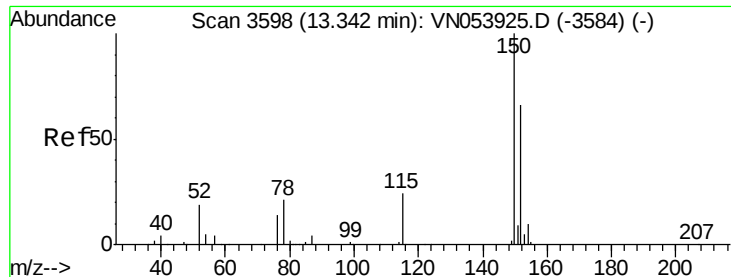
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#69
o-Xylene
Concen: 42.266 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion:106 Resp: 593874
Ion Ratio Lower Upper
106 100
91 217.2 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

Tot Ion:152 Resp: 462613

Ion Ratio Lower Upper

152 100

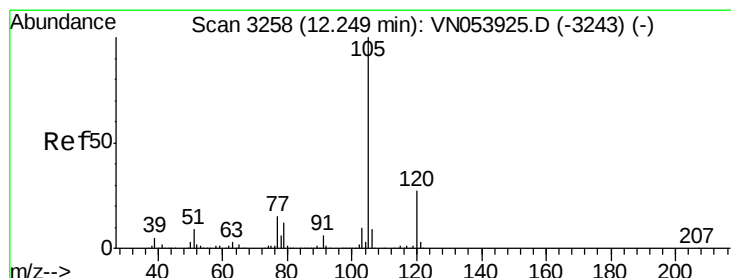
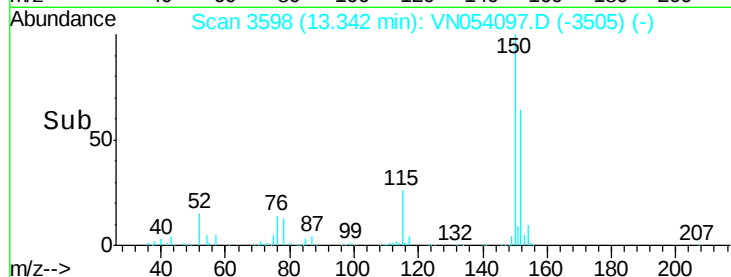
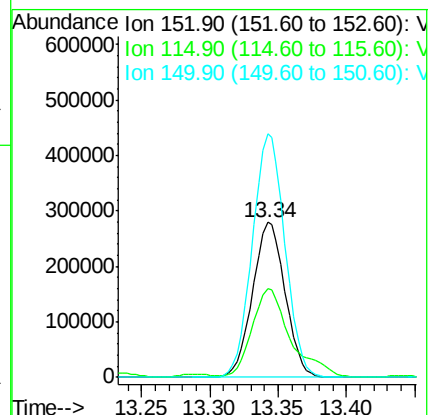
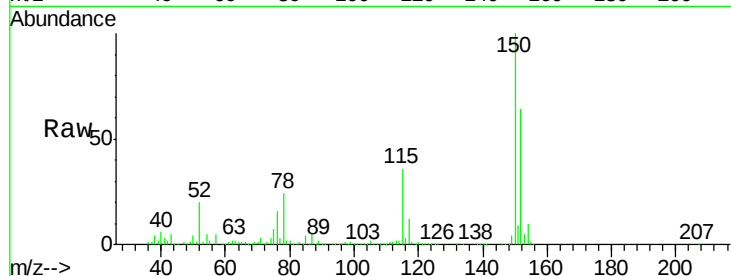
115 67.3 27.2 81.6

150 156.9 0.0 348.2

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#73

Isopropylbenzene

Concen: 1.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054097.D

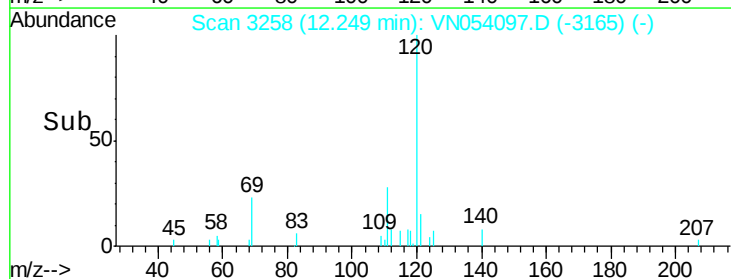
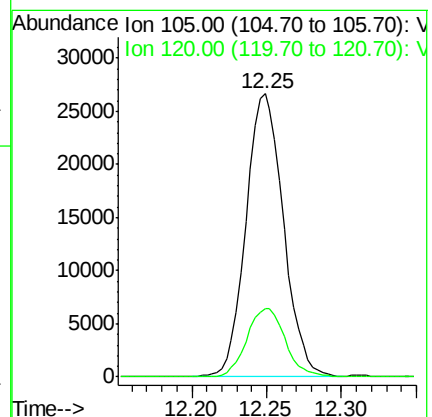
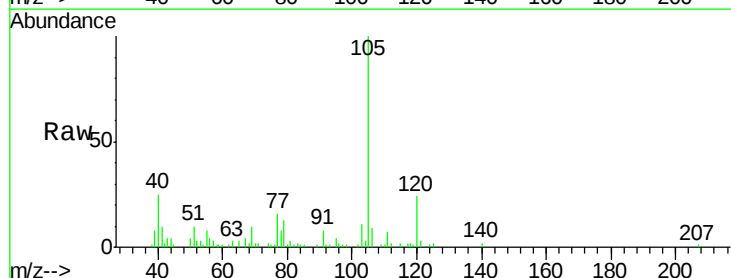
Acq: 5 Mar 2019 14:21

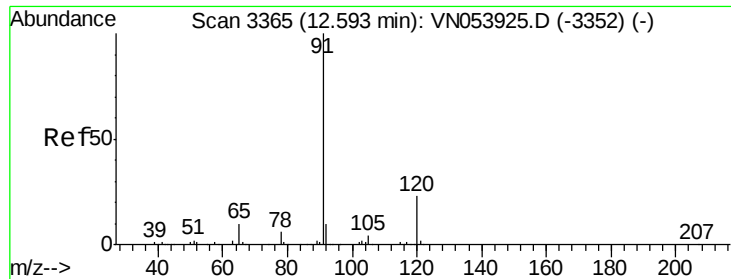
Tgt Ion:105 Resp: 46530

Ion Ratio Lower Upper

105 100

120 24.7 13.5 40.5





#78

n-propylbenzene

Concen: 3.351 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

Tot Ion: 91 Resp: 137239

Ion Ratio Lower Upper

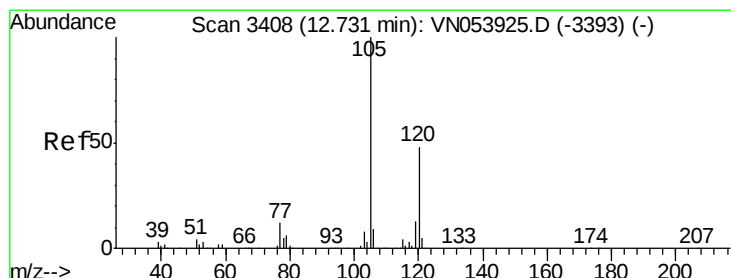
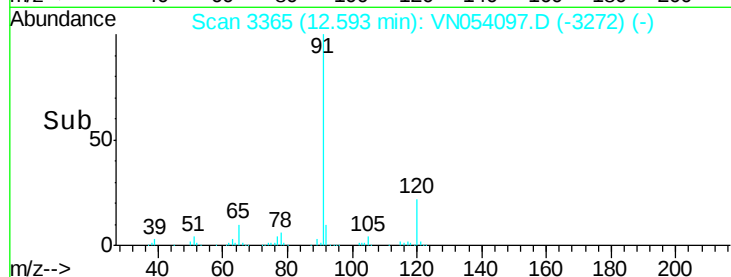
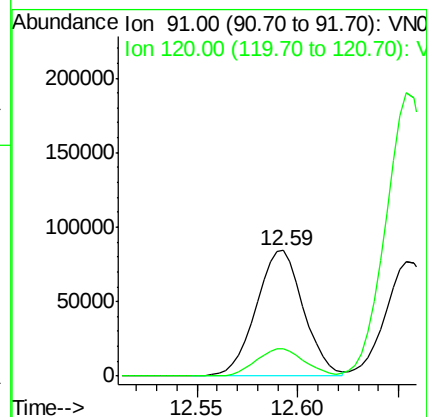
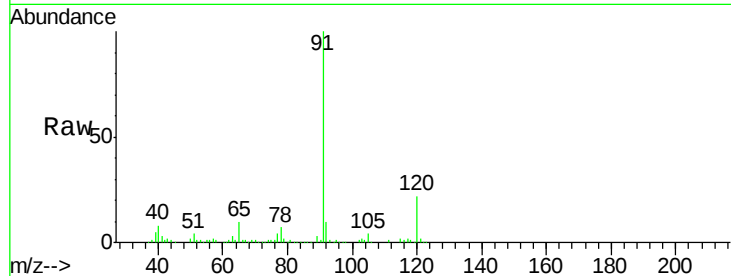
91 100

120 22.5 11.9 35.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 38.375 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054097.D

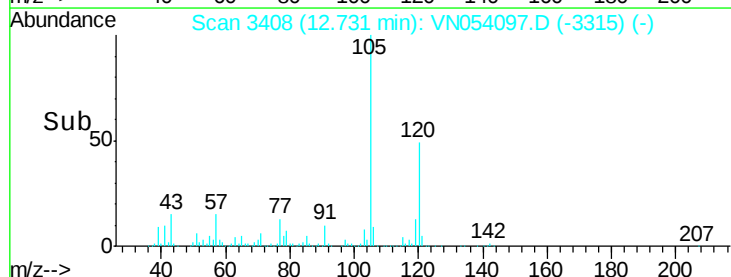
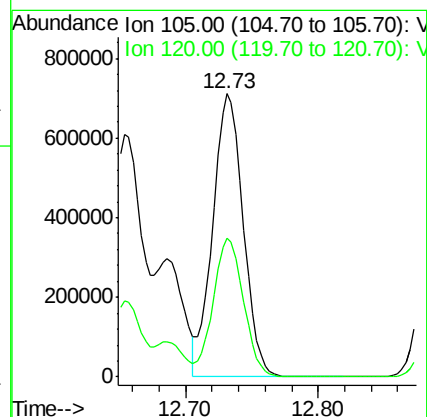
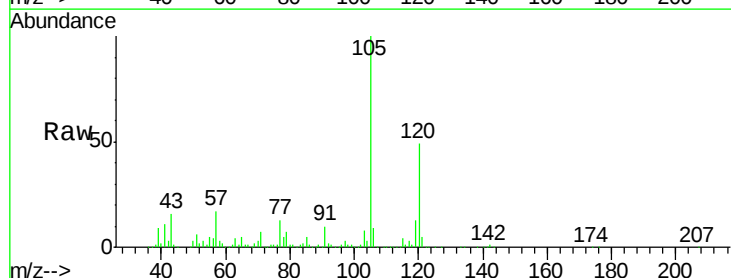
Acq: 5 Mar 2019 14:21

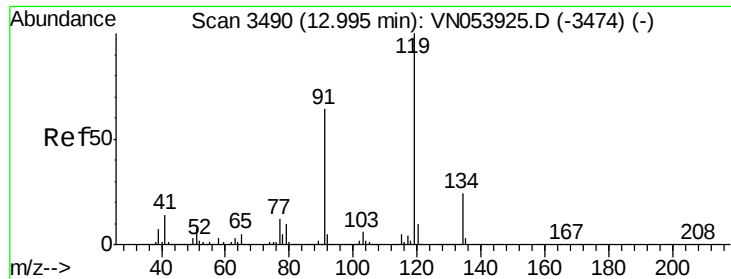
Tgt Ion: 105 Resp: 1131348

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2





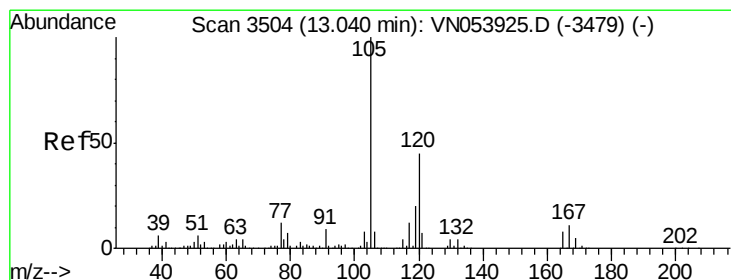
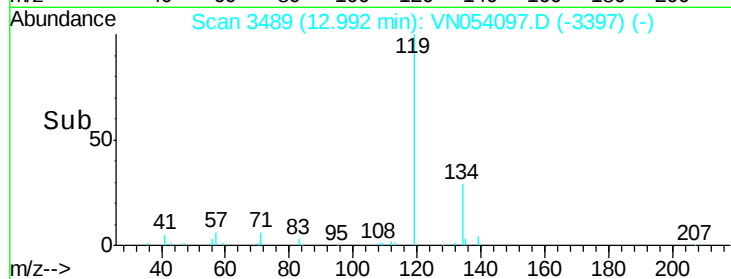
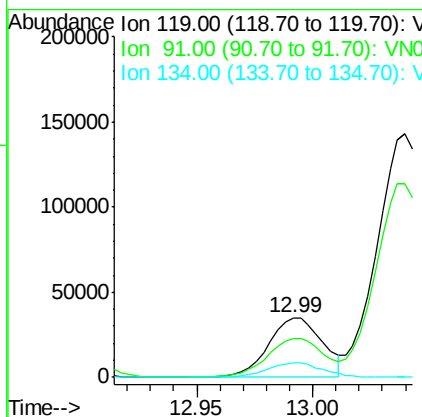
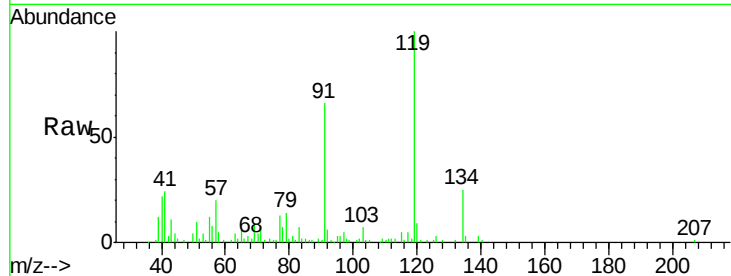
#83
tert-Butylbenzene
Concen: 2.170 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	30.6	91.8
134	25.3	13.0	39.0

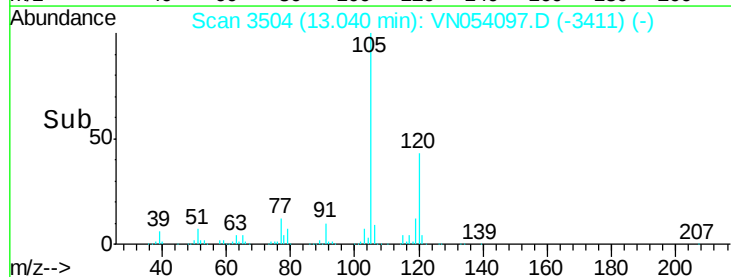
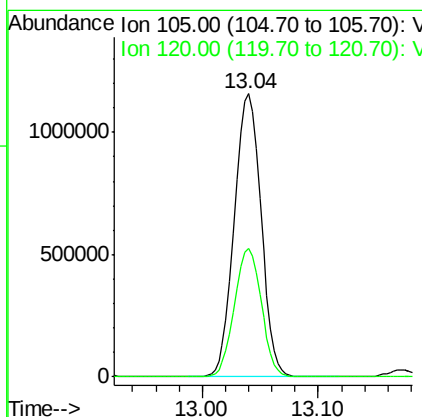
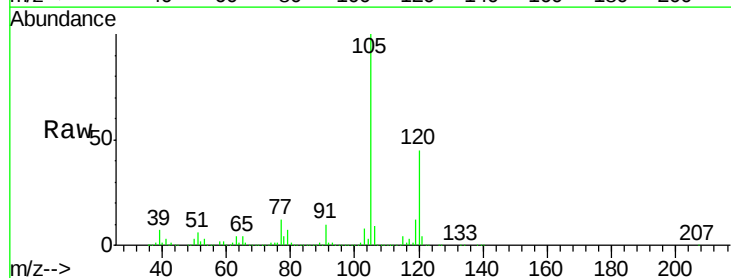
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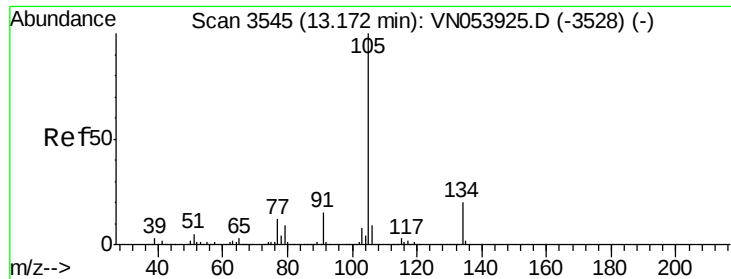
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#84
1,2,4-Trimethylbenzene
Concen: 62.537 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.5





#85

sec-Butylbenzene

Concen: 1.383 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

MW-11

Tot Ion:105 Resp: 49236

Ion Ratio Lower Upper

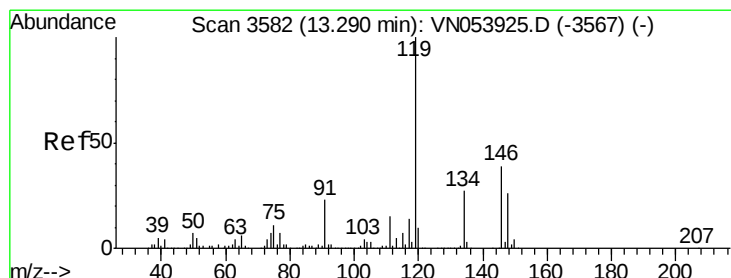
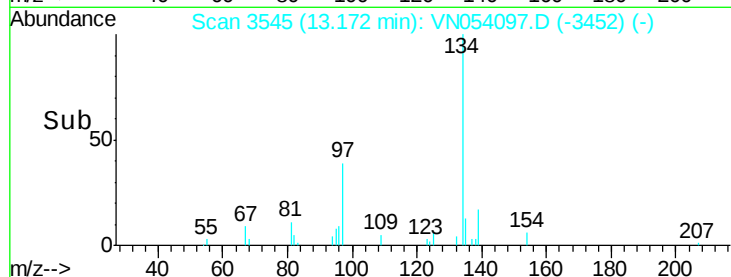
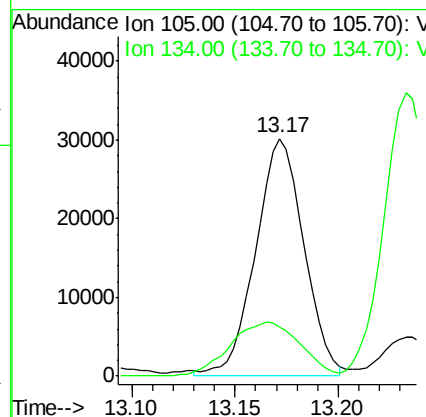
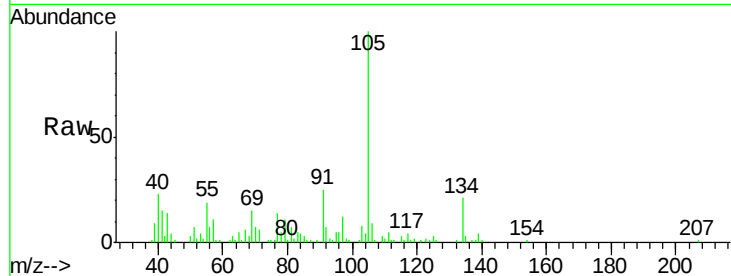
105 100

134 0.0 10.4 31.1#

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#86

p-Isopropyltoluene

Concen: 3.994 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054097.D

Acq: 5 Mar 2019 14:21

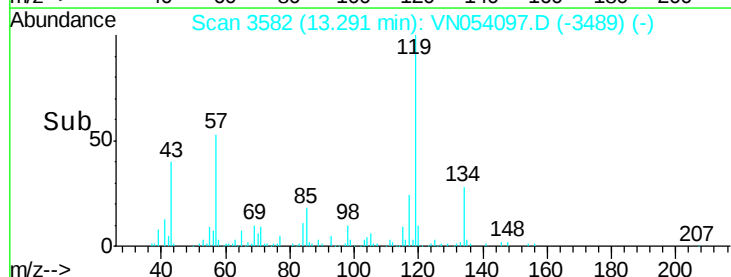
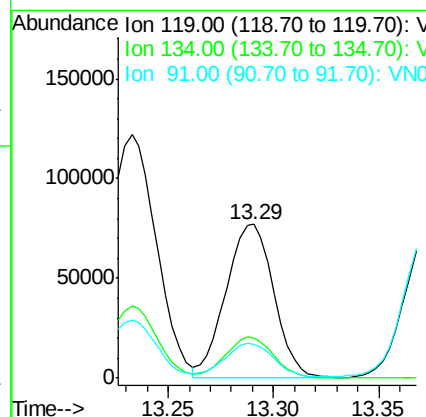
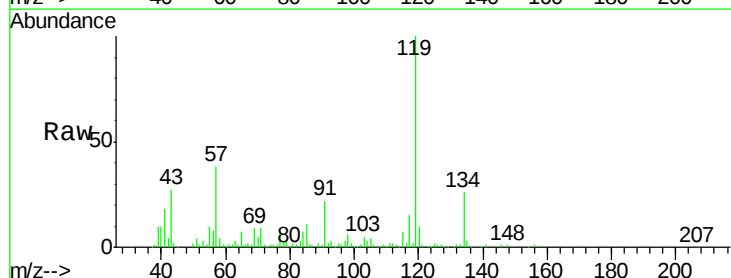
Tgt Ion:119 Resp: 120249

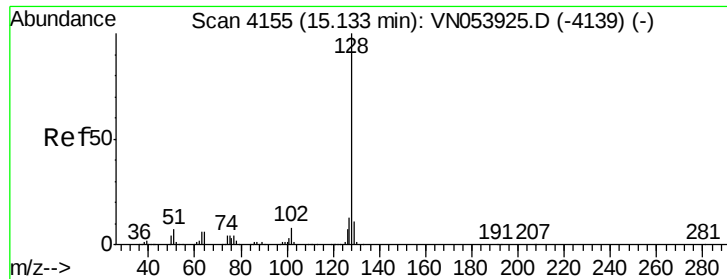
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 10.9 32.6





#95
Naphthalene
Concen: 16.829 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054097.D
Acq: 5 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.5	8.6	12.8

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