

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054098.D
 Acq On : 5 Mar 2019 14:47
 Operator : JC/SP
 Sample : K1727-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:22 AM

Quant Time: Mar 06 03:08:29 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	635947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1122094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1083321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	437571	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	385245	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
35) Dibromofluoromethane	7.59	113	362355	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1413311	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.40	95	494256	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.19	62	33510	4.120	ug/l	99
11) Tert butyl alcohol	4.78	59	19623	41.523	ug/l #	89
27) cis-1,2-Dichloroethene	6.83	96	474217	62.756	ug/l	95
39) Methylcyclohexane	9.08	83	8507	0.676	ug/l	91
40) Benzene	8.04	78	40785	1.272	ug/l	97
52) Toluene	10.16	92	140689	7.453	ug/l	100
67) Ethyl Benzene	11.51	91	1243704	32.449	ug/l	97
68) m/p-Xylenes	11.62	106	316734	21.895	ug/l	98
69) o-Xylene	11.95	106	274512	19.313	ug/l	96
73) Isopropylbenzene	12.25	105	169615	4.980	ug/l	99
78) n-propylbenzene	12.59	91	432982	11.177	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	196676	7.053	ug/l	99
83) tert-Butylbenzene	12.99	119	58711	2.381	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	646367	23.218	ug/l	99
85) sec-Butylbenzene	13.17	105	65784	1.953	ug/l #	72
89) n-Butylbenzene	13.61	91	33781m	1.408	ug/l	
95) Naphthalene	15.13	128	17739	4.170	ug/l #	94

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

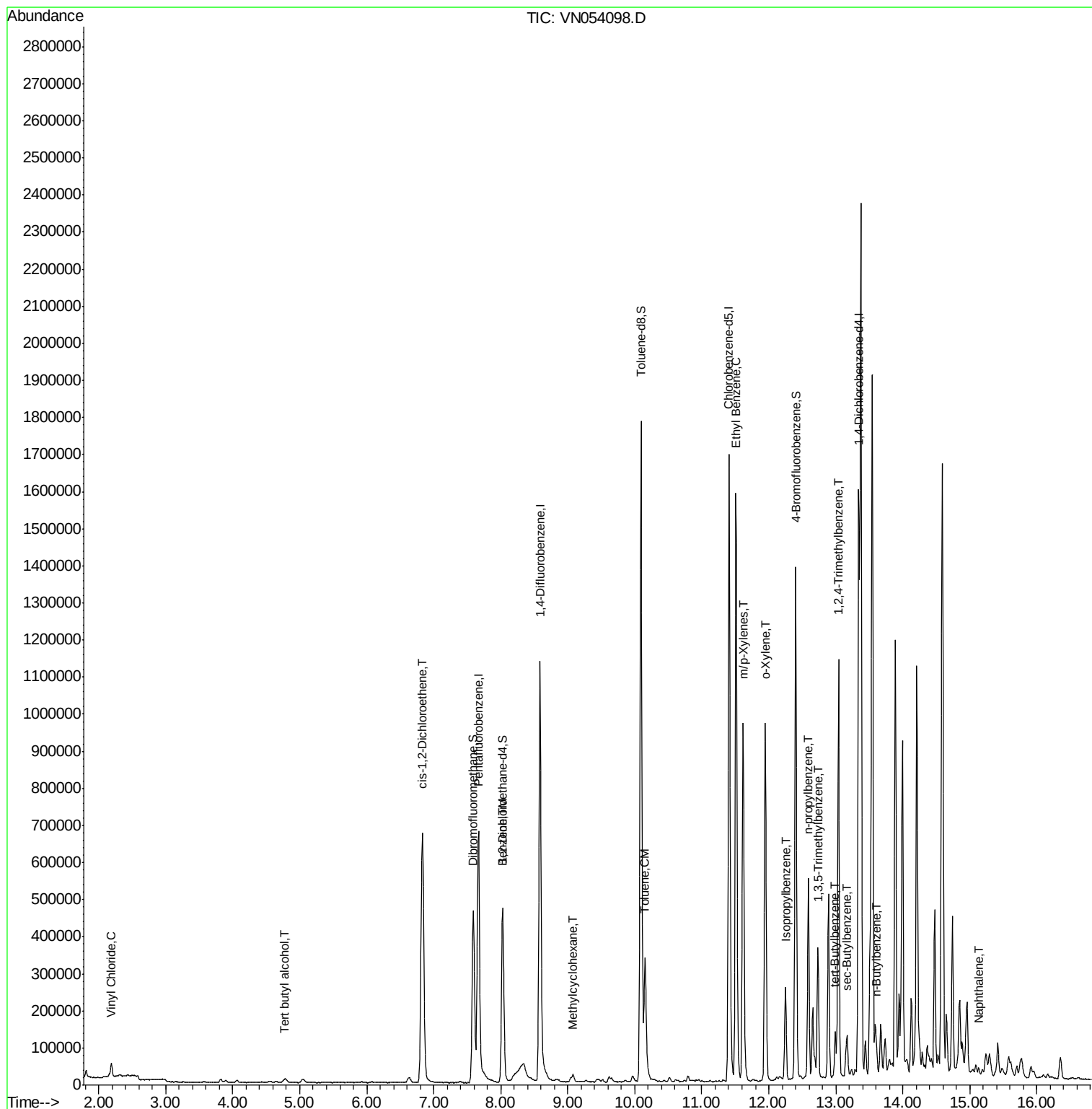
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054098.D
Acq On : 5 Mar 2019 14:47
Operator : JC/SP
Sample : K1727-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

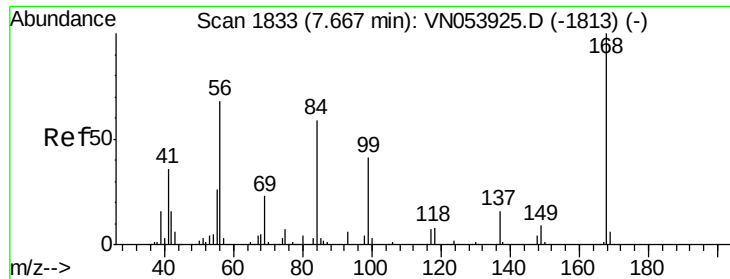
Instrument :
MSVOA_N
ClientSampleId :
TW-1

Manual Integrations
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3/6/2019 9:16:22 AM

Quant Time: Mar 06 03:08:29 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: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion:168 Resp: 635947

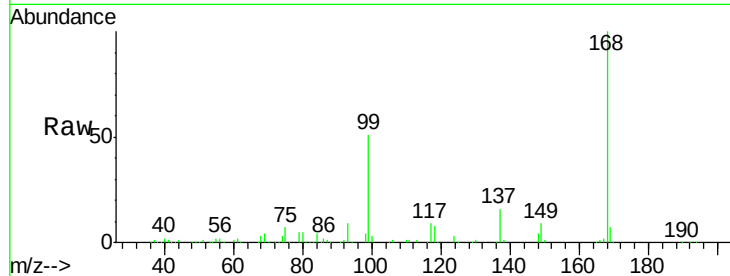
Ion Ratio Lower Upper

168 100

99 50.5 36.9 55.3

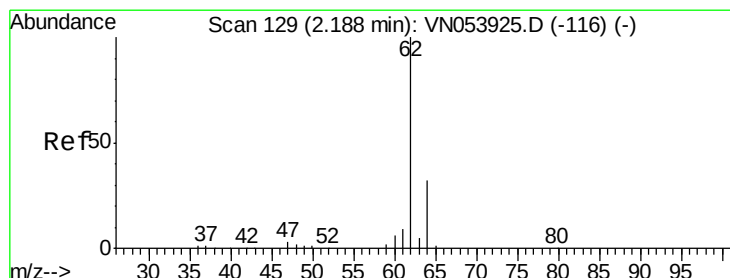
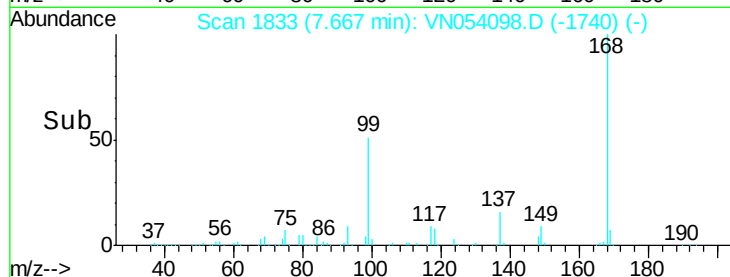
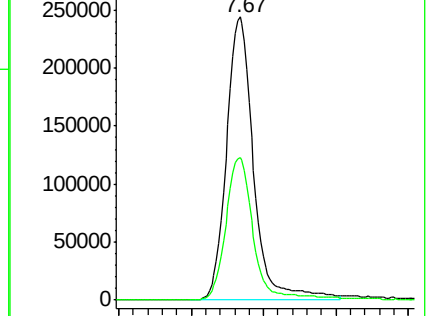
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 4.120 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054098.D

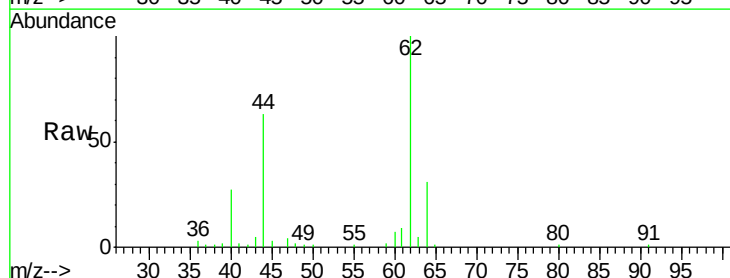
Acq: 5 Mar 2019 14:47

Tgt Ion: 62 Resp: 33510

Ion Ratio Lower Upper

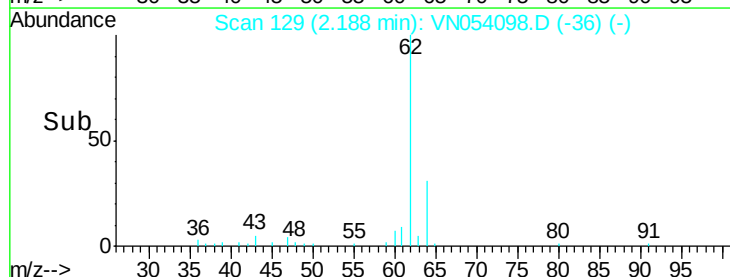
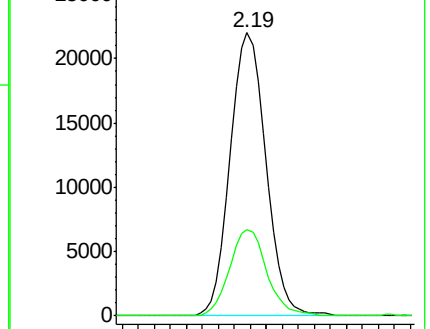
62 100

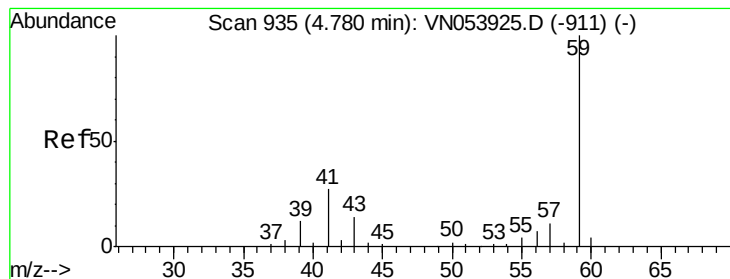
64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#11

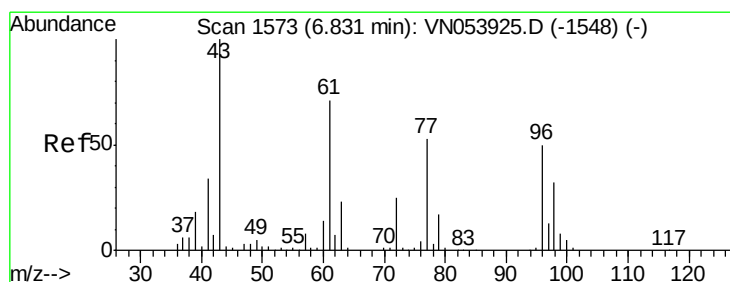
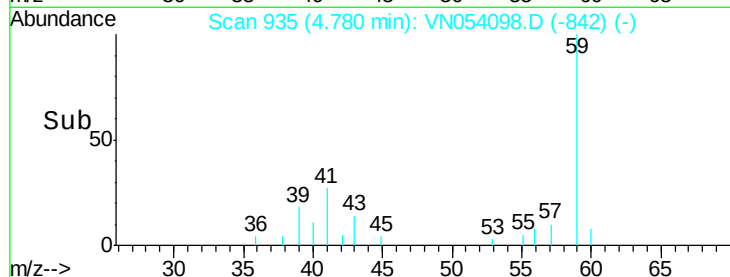
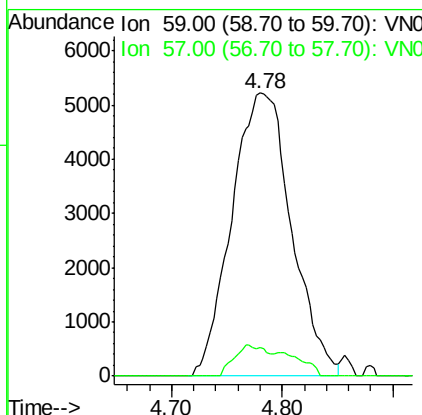
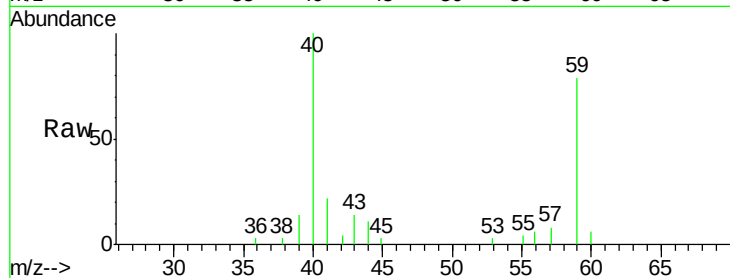
Tert butyl alcohol
Concen: 41.523 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.1	12.1#

Manual Integrations
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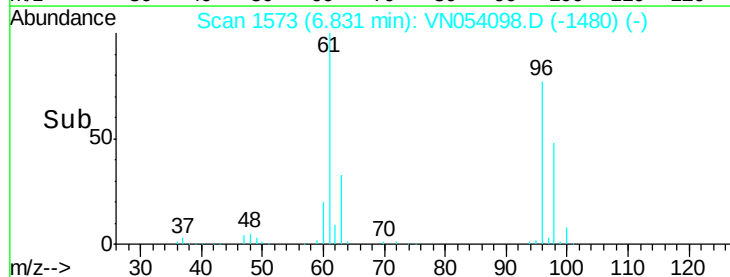
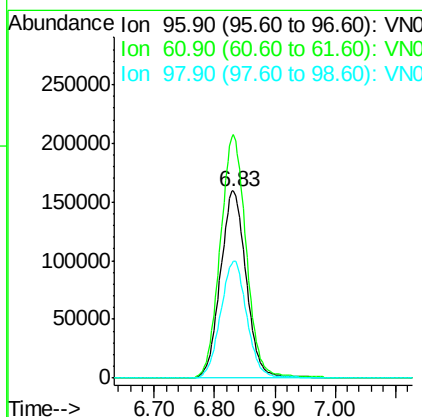
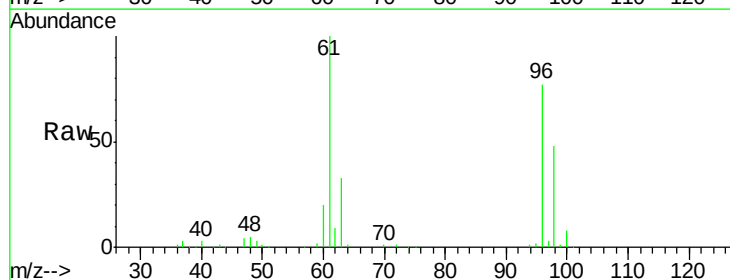
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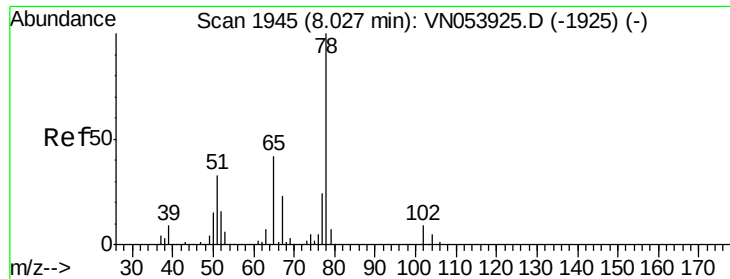


#27

cis-1,2-Dichloroethene
Concen: 62.756 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	275.6
98	63.5	0.0	130.0





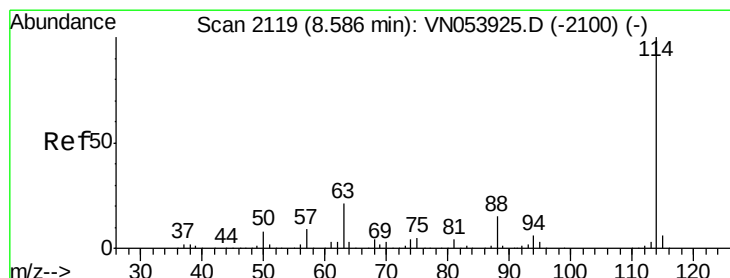
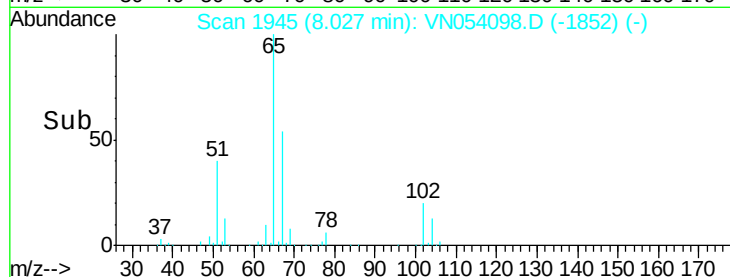
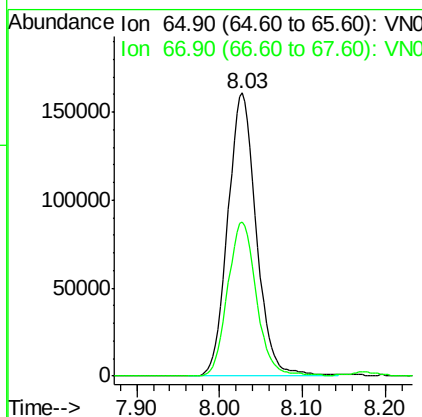
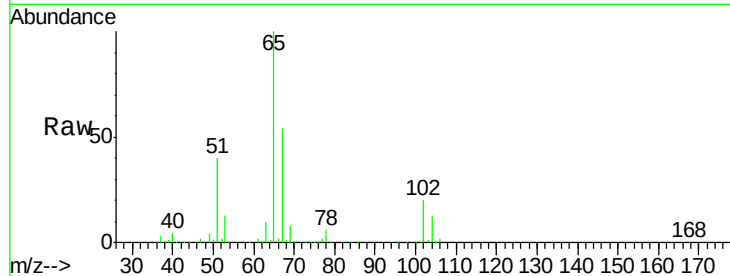
#33
 1,2-Dichloroethane-d4
 Concen: 51.678 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	111.8	

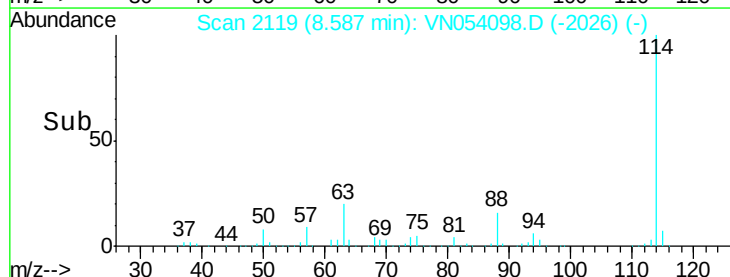
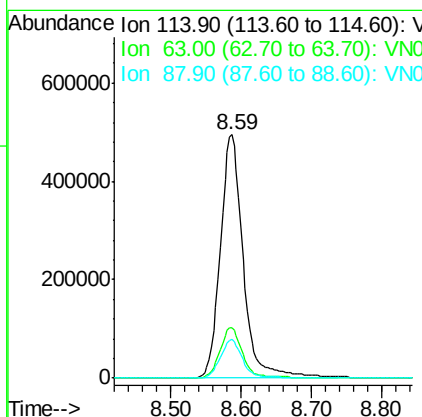
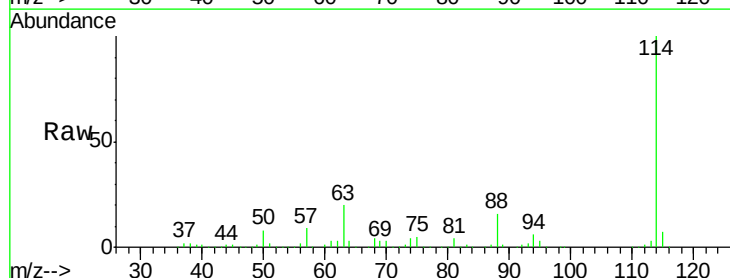
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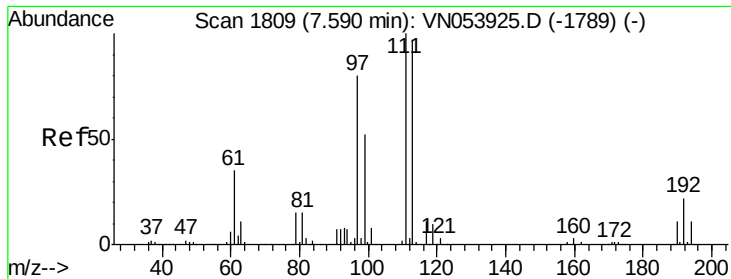
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	37.4	
88	15.7	0.0	30.4	





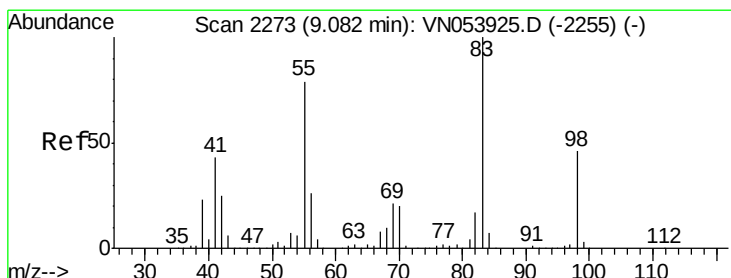
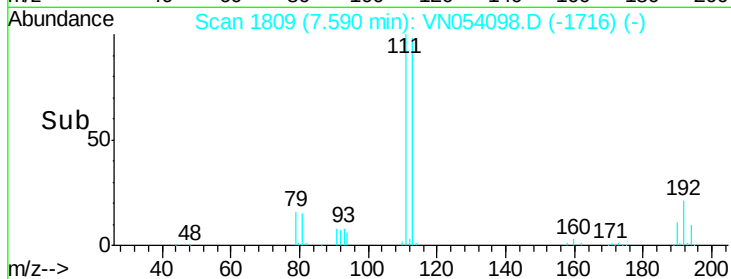
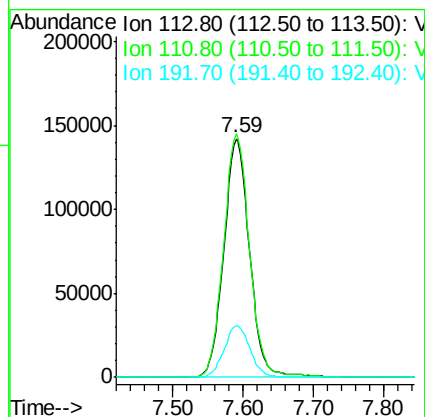
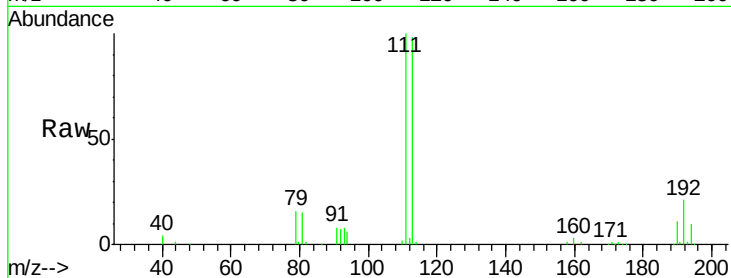
#35
Dibromofluoromethane
Concen: 49.938 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	81.1	121.7	
192	21.9	18.8	28.2	

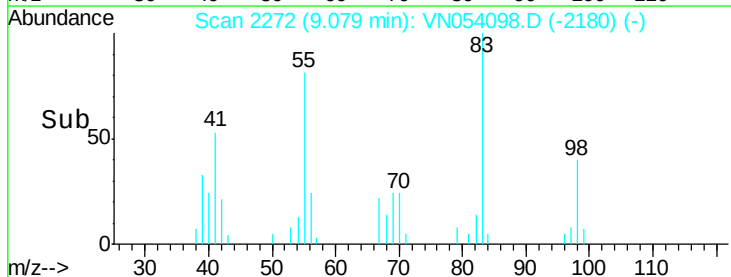
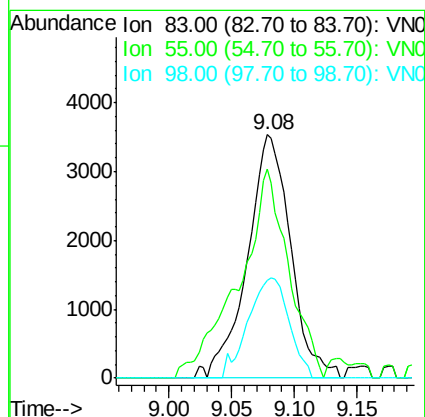
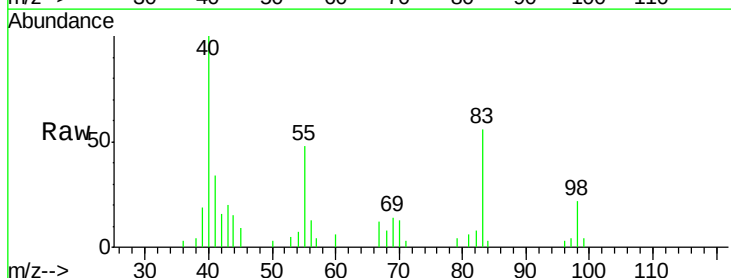
Manual Integrations
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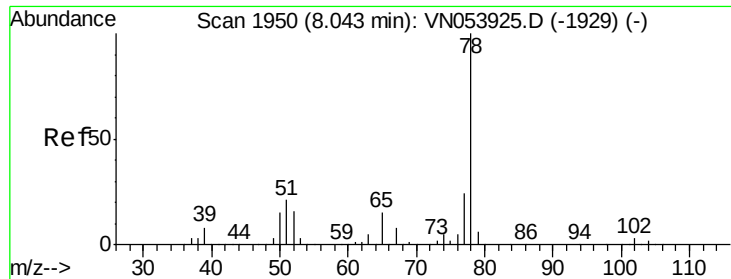
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#39
Methylcyclohexane
Concen: 0.676 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.7	58.2	87.4	
98	39.9	37.2	55.8	





#40

Benzene

Concen: 1.272 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion: 78 Resp: 40785

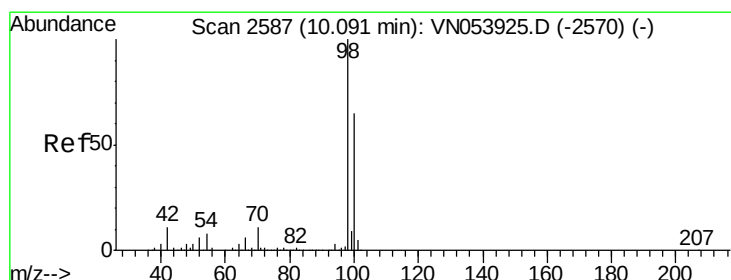
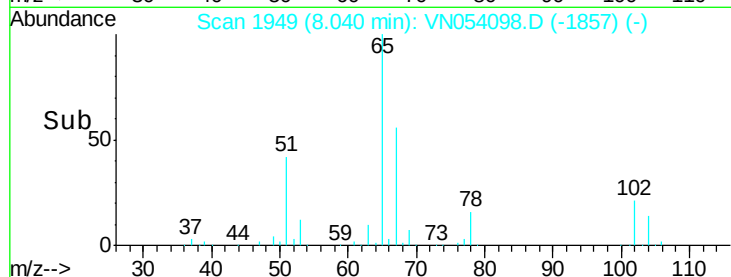
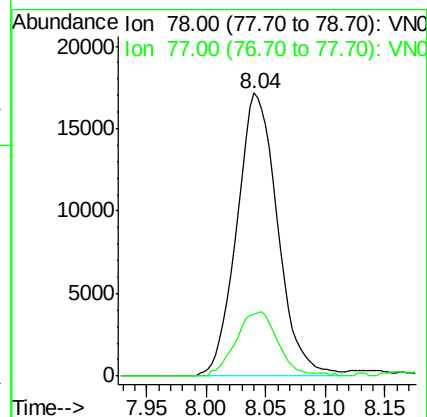
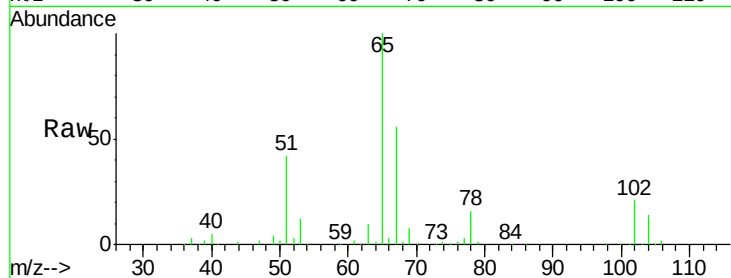
Ion Ratio Lower Upper

78 100

77 22.0 18.8 28.2

Manual Integrations
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#50

Toluene-d8

Concen: 52.323 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054098.D

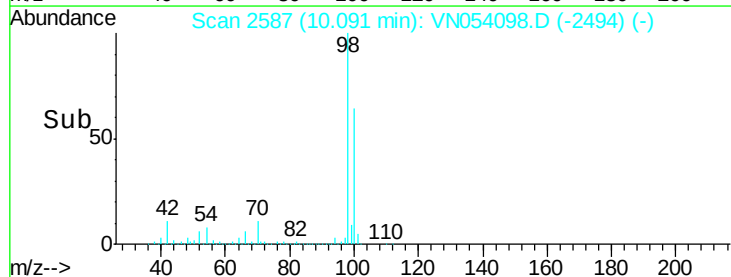
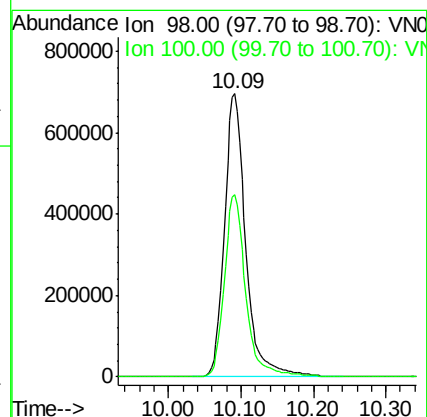
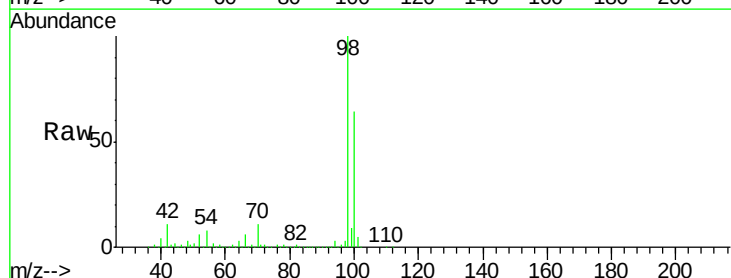
Acq: 5 Mar 2019 14:47

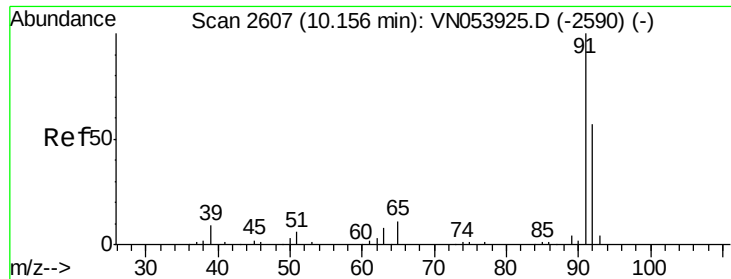
Tgt Ion: 98 Resp: 1413311

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9





#52

Toluene

Concen: 7.453 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion: 92 Resp: 140689

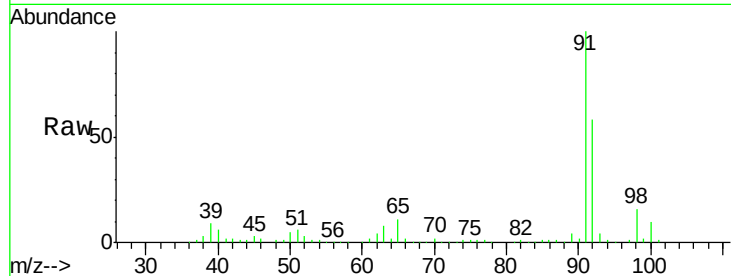
Ion Ratio Lower Upper

92 100

91 173.4 138.4 207.6

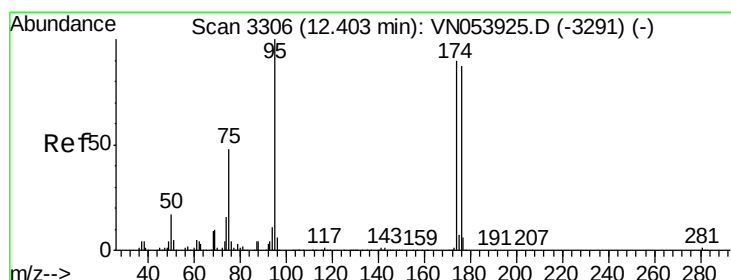
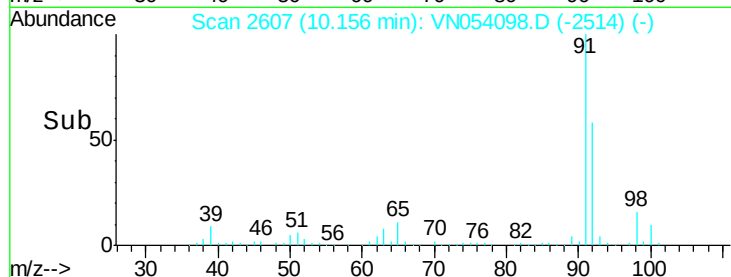
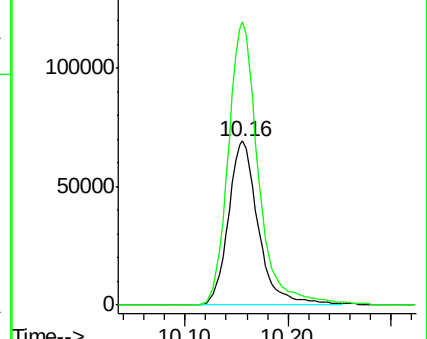
Manual Integrations
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3/6/2019 9:16:22 AM



Abundance Ion 92.00 (91.70 to 92.70): VN054098.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054098.D (-2514) (-)



#62

4-Bromofluorobenzene

Concen: 54.921 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

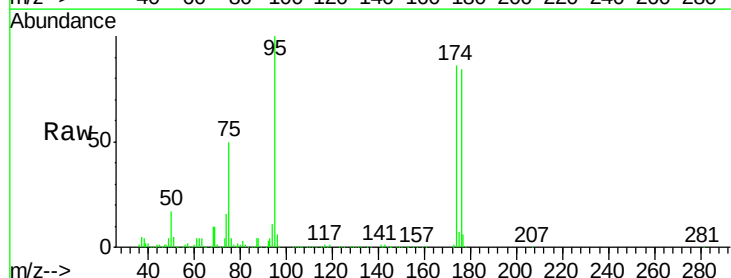
Tgt Ion: 95 Resp: 494256

Ion Ratio Lower Upper

95 100

174 87.5 0.0 188.8

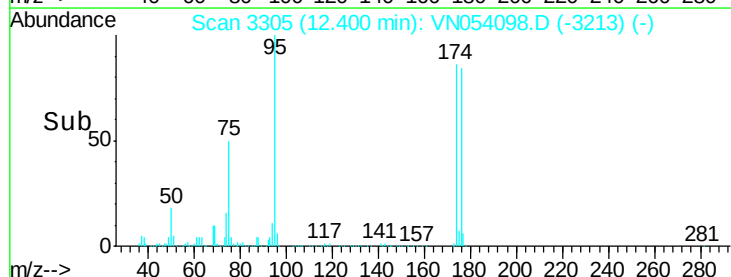
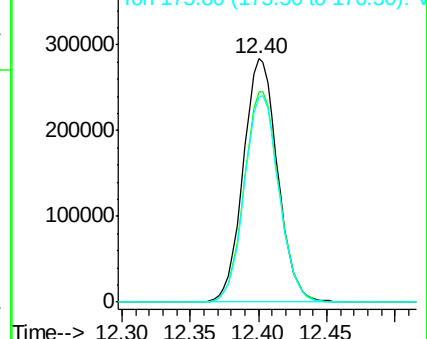
176 85.5 0.0 182.6

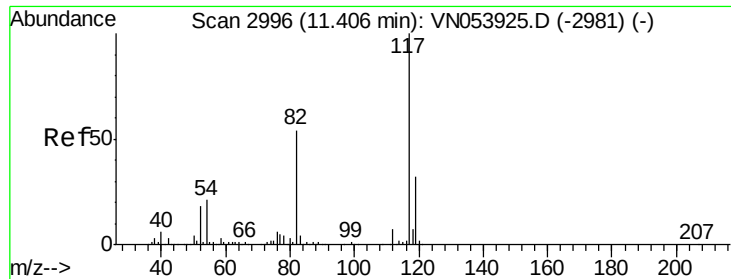


Abundance Ion 94.90 (94.60 to 95.60): VN054098.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN054098.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN054098.D (-3213) (-)





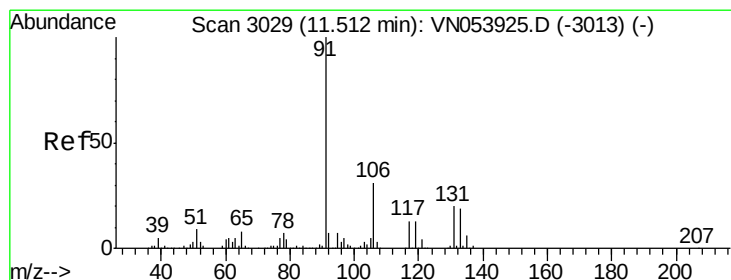
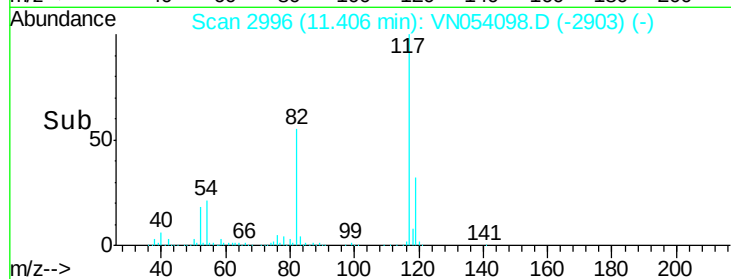
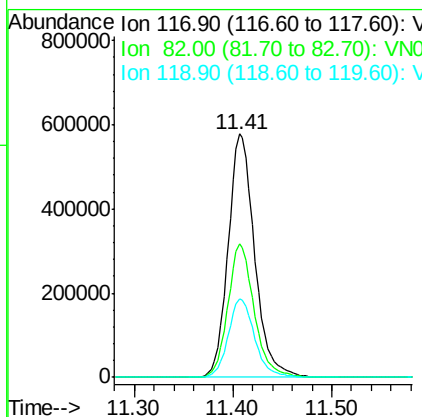
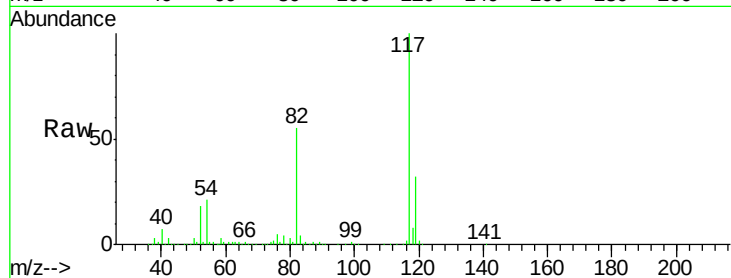
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.4	62.2
119	32.1	25.3	37.9

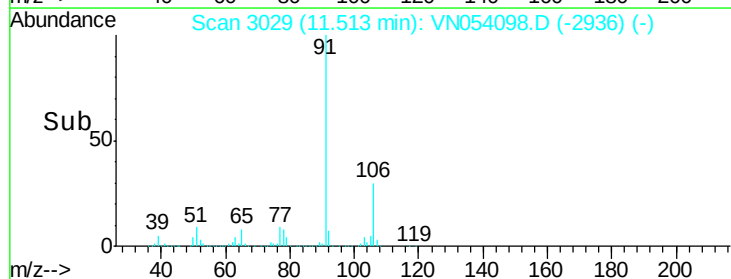
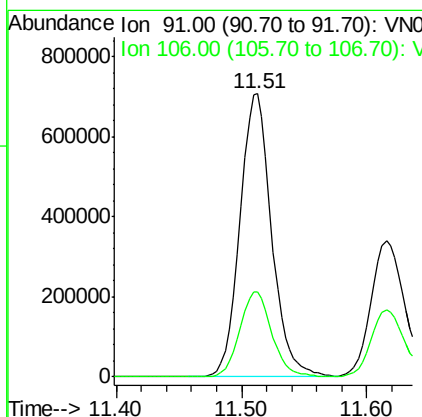
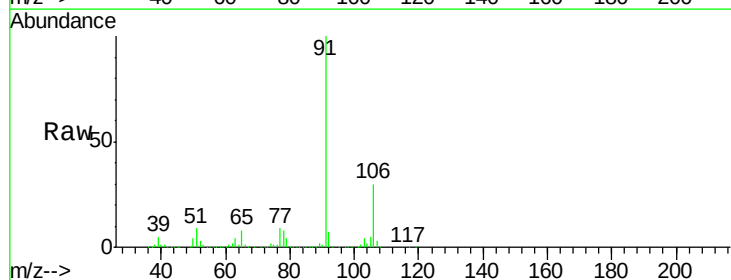
Manual Integrations
APPROVED

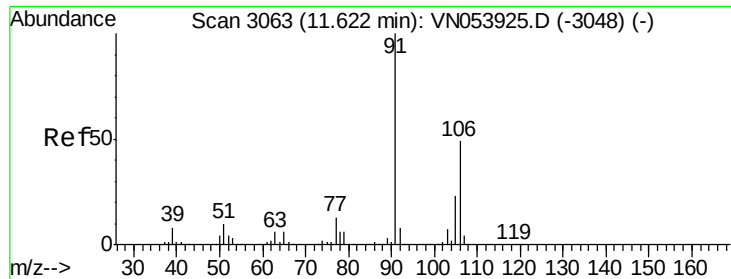
MMDadoda
3/6/2019 9:16:22 AM



#67
Ethyl Benzene
Concen: 32.449 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.2	37.8





#68

m/p-Xylenes

Concen: 21.895 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion:106 Resp: 316734

Ion Ratio Lower Upper

106 100

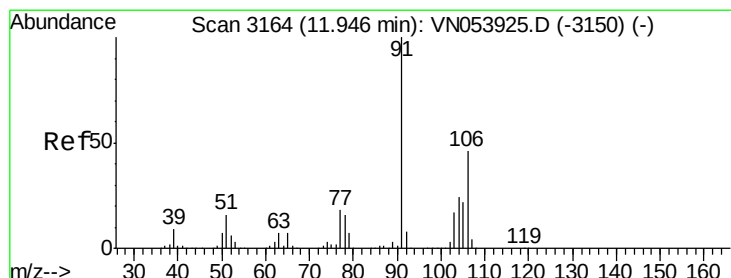
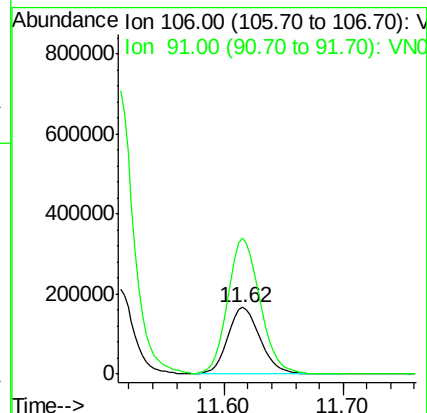
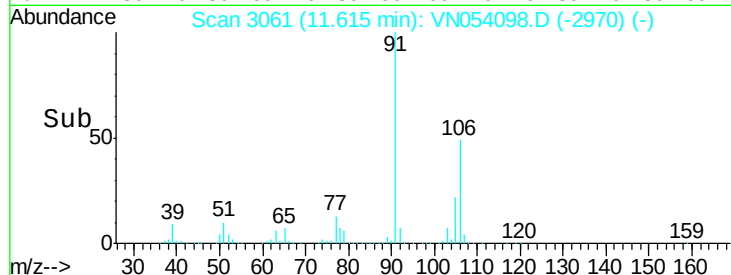
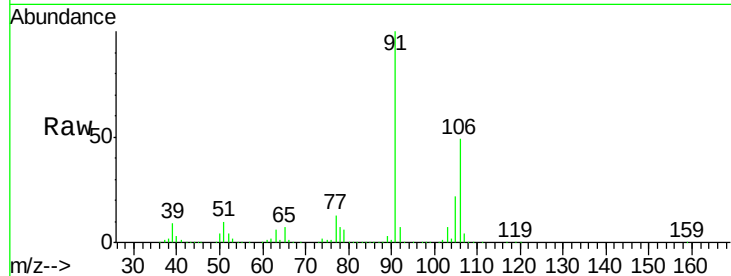
91 201.8 158.9 238.3

Manual Integrations

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#69

o-Xylene

Concen: 19.313 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054098.D

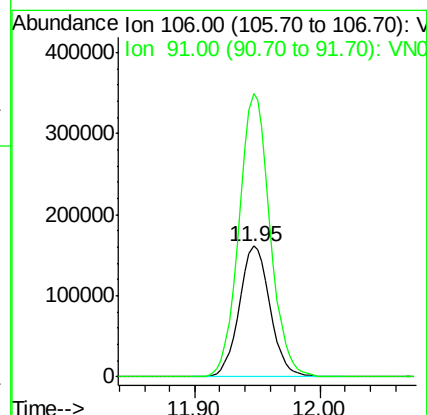
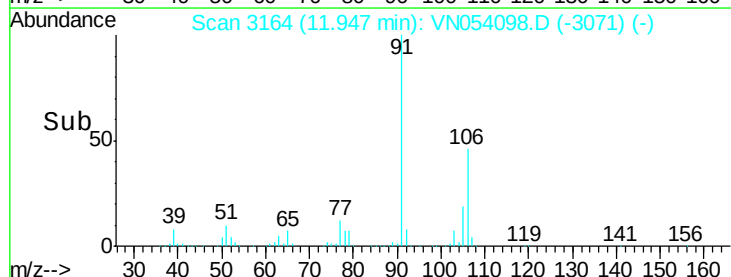
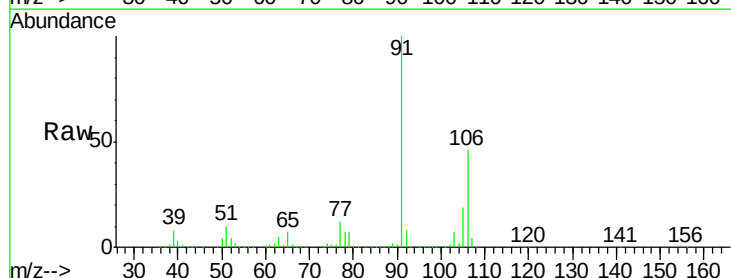
Acq: 5 Mar 2019 14:47

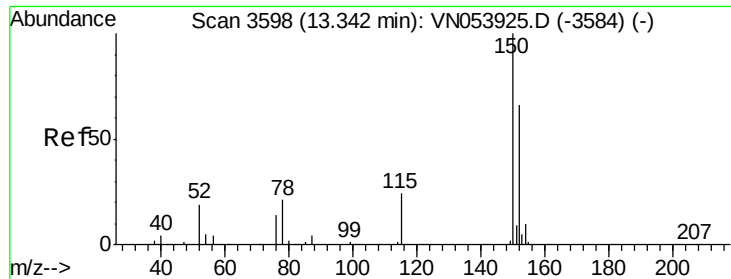
Tgt Ion:106 Resp: 274512

Ion Ratio Lower Upper

106 100

91 218.0 106.0 318.0





#72

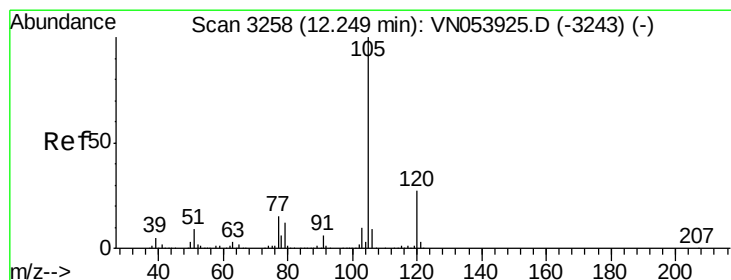
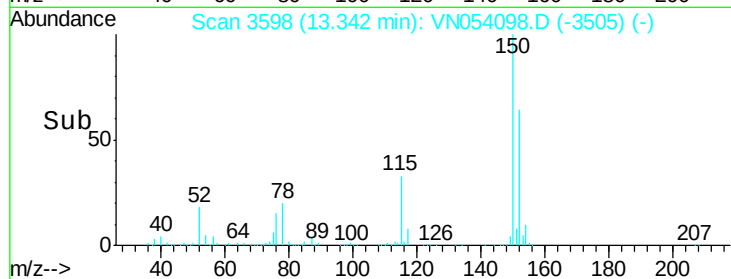
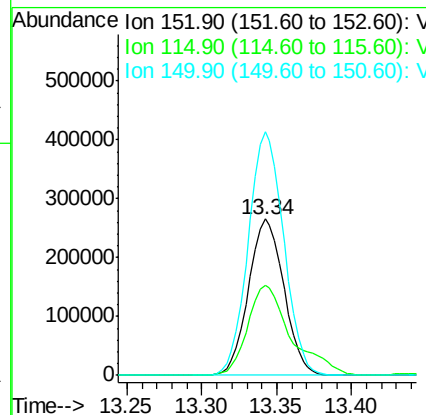
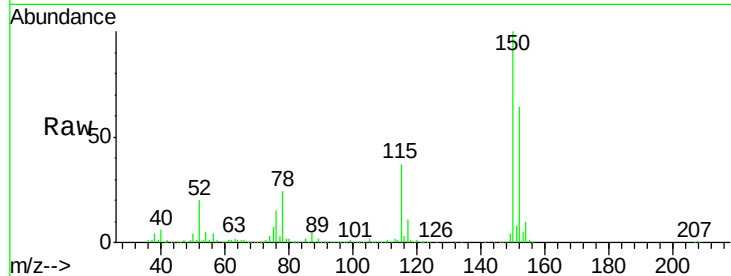
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.1	27.2	81.6
150	156.5	0.0	348.2

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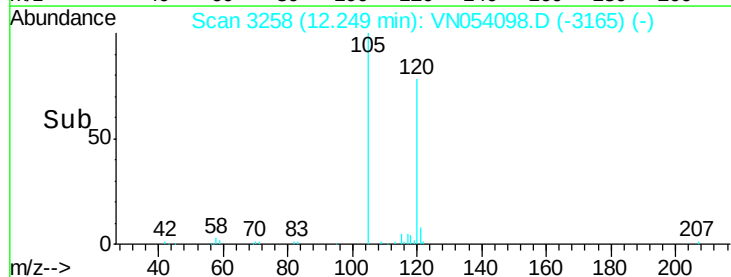
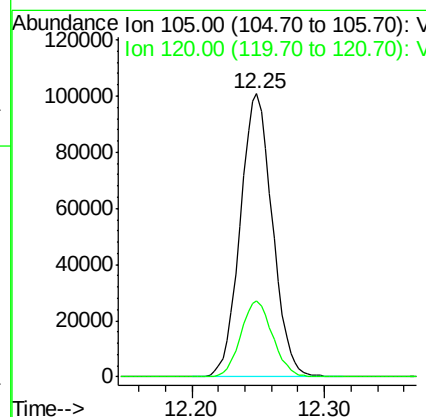
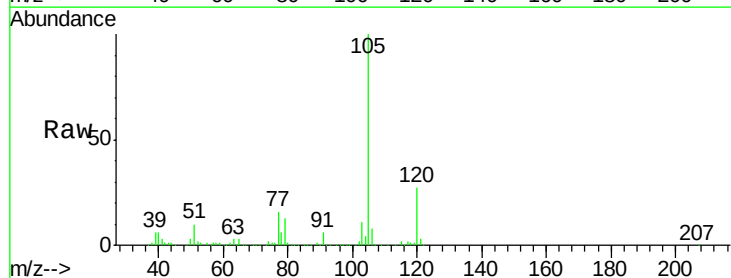
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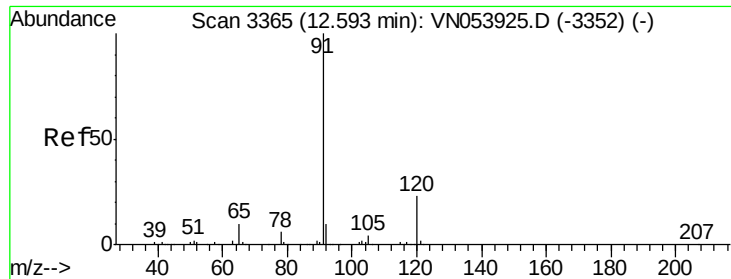


#73

Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5





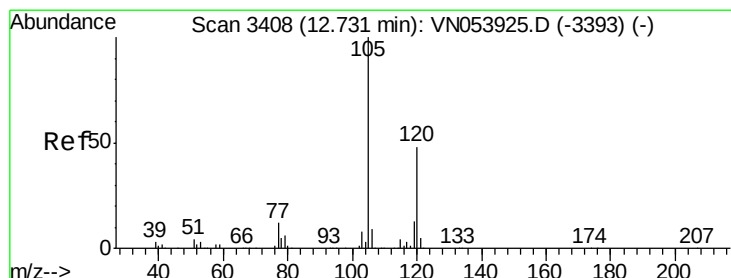
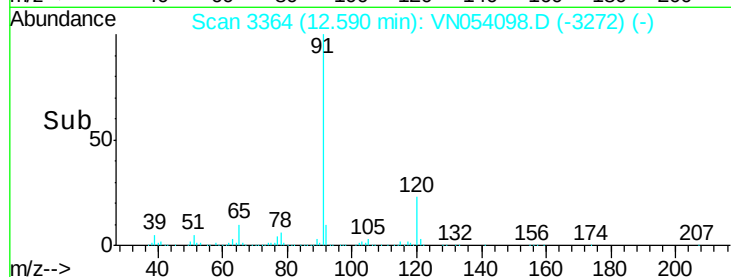
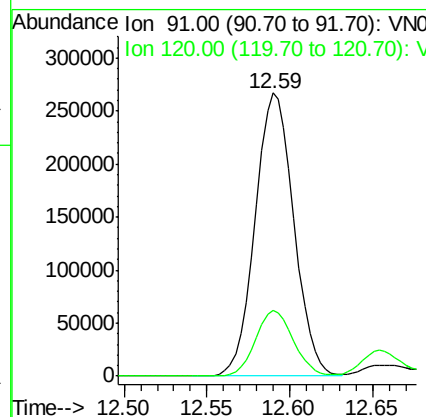
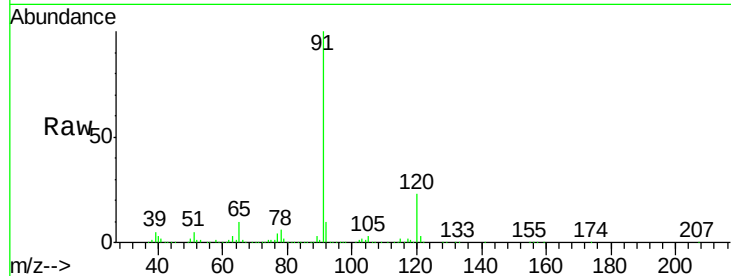
#78
n-propylbenzene
Concen: 11.177 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion: 91 Resp: 432982
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.9

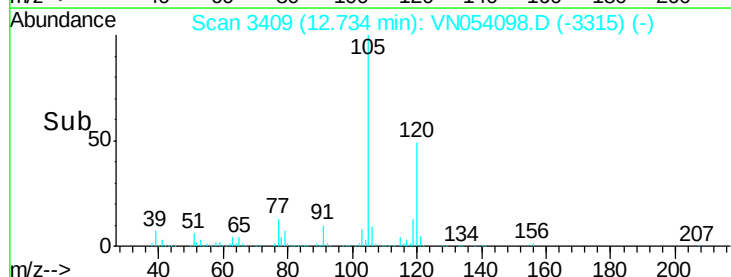
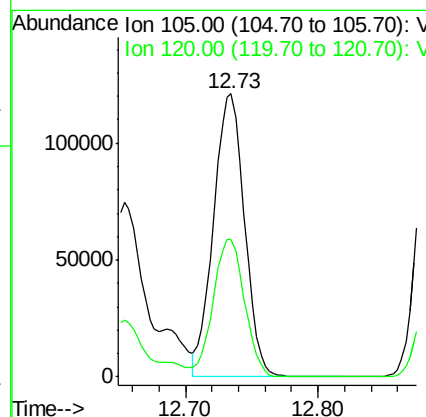
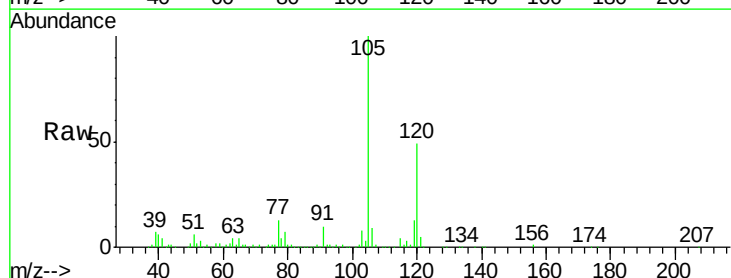
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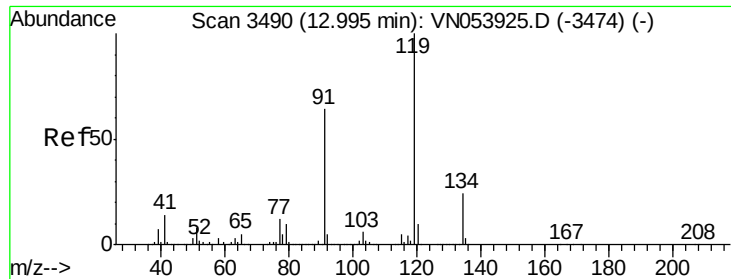
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#80
1,3,5-Trimethylbenzene
Concen: 7.053 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 105 Resp: 196676
Ion Ratio Lower Upper
105 100
120 49.2 25.1 75.2





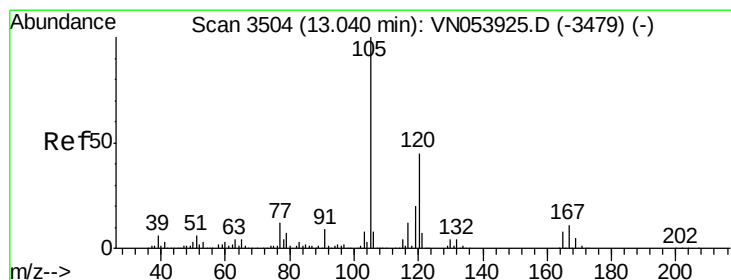
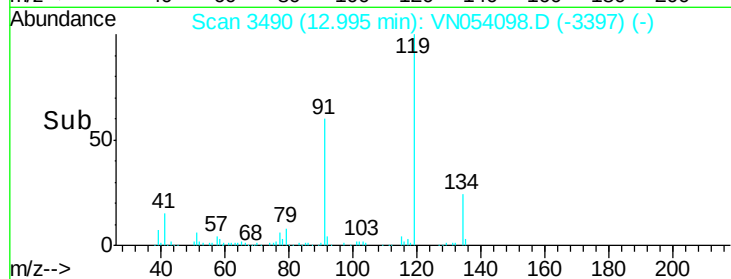
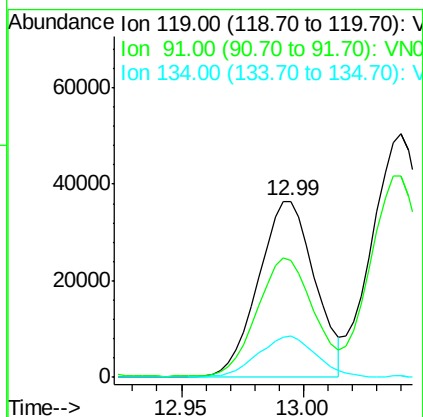
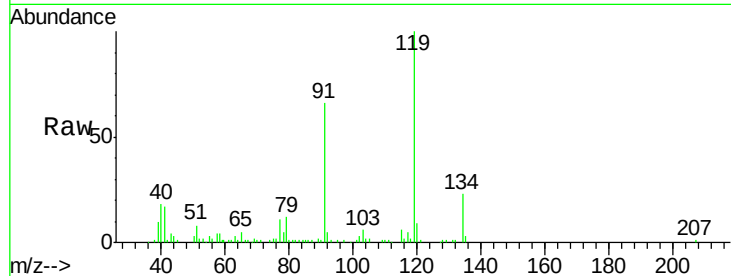
#83
 tert-Butylbenzene
 Concen: 2.381 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	58711		
91	67.2		30.6	91.8
134	24.3		13.0	39.0

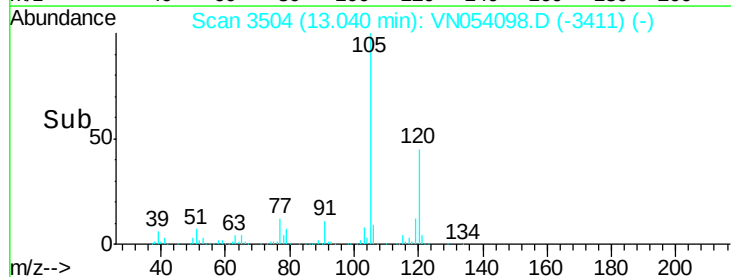
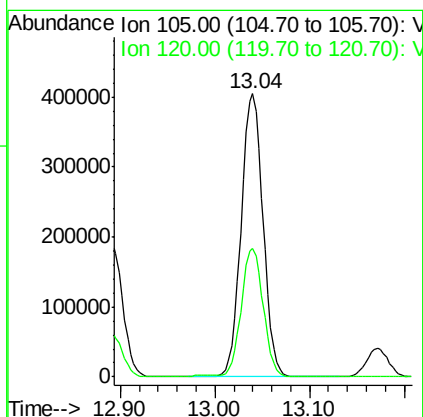
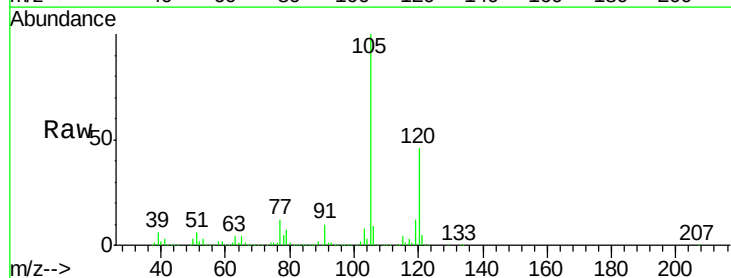
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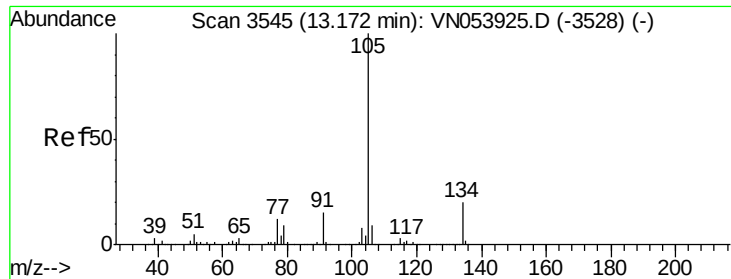
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.218 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	646367		
120	45.6		23.2	69.5





#85

sec-Butylbenzene

Concen: 1.953 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

TW-1

Tot Ion: 105 Resp: 65784

Ion Ratio Lower Upper

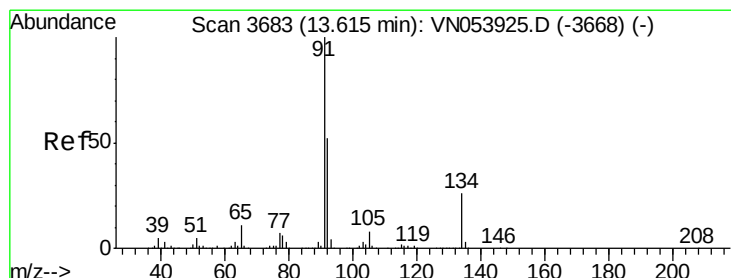
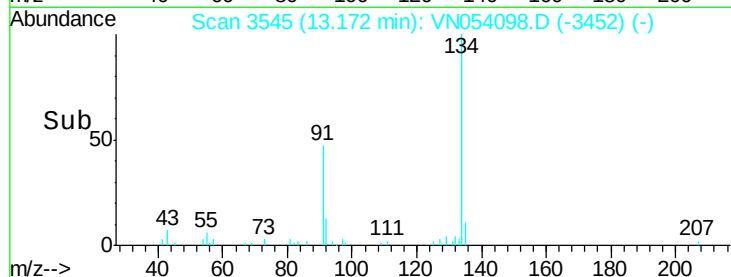
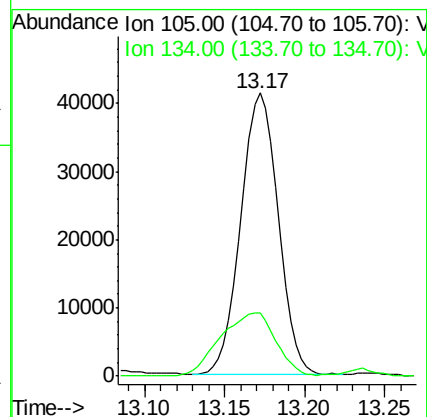
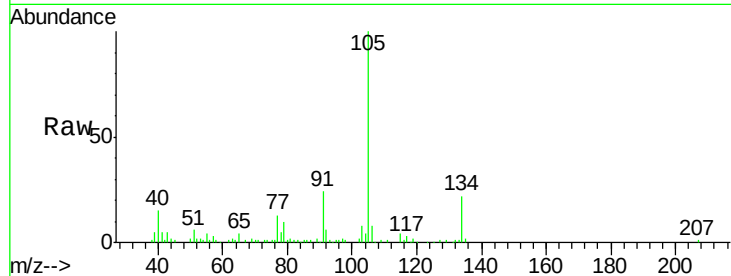
105 100

134 33.6 10.4 31.1#

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#89

n-Butylbenzene

Concen: 1.408 ug/l m

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

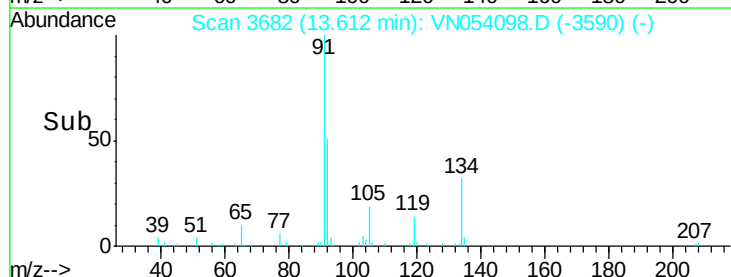
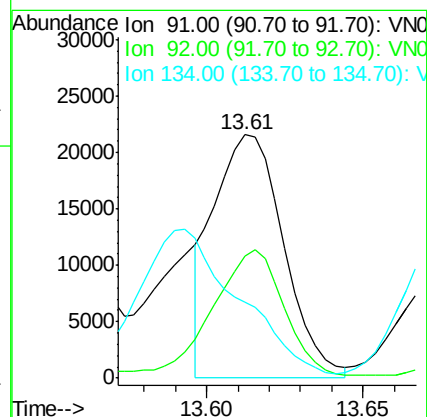
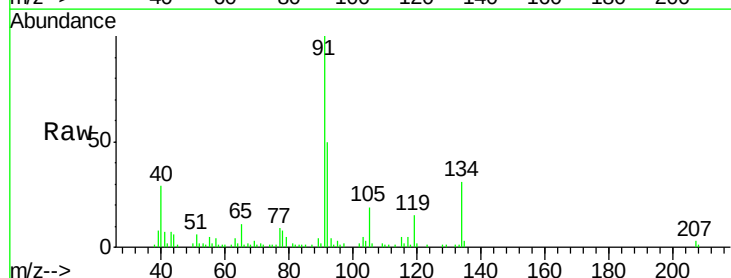
Tgt Ion: 91 Resp: 33781

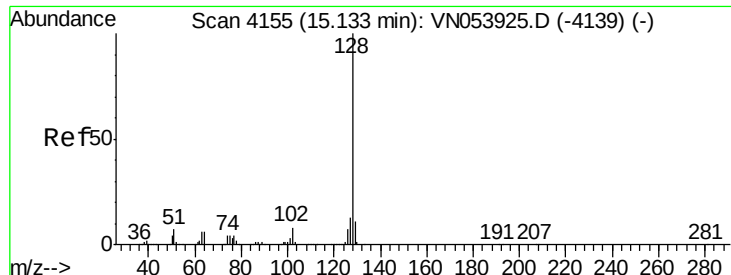
Ion Ratio Lower Upper

91 100

92 53.0 26.1 78.2

134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 4.170 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
TW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.2	15.2#
129	8.7	8.6	12.8

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