

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054390.D
 Acq On : 18 Mar 2019 13:32
 Operator : JC/SP
 Sample : K1928-10ME
 Misc : 6.45g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SI-1(9-9.5)ME

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:59 AM

Quant Time: Mar 19 09:49:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1823119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2596993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2312247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1067666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	828566	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
35) Dibromofluoromethane	7.59	113	738644	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	10.09	98	3249425	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.40	95	1015263	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	3245859	113.034	ug/l	90
39) Methylcyclohexane	9.08	83	5621957	191.055	ug/l	99
40) Benzene	8.04	78	2492138	36.414	ug/l	99
52) Toluene	10.16	92	15463389	356.345	ug/l #	1
67) Ethyl Benzene	11.51	91	9438022	112.142	ug/l	99
68) m/p-Xylenes	11.62	106	11688246	355.330	ug/l #	1
69) o-Xylene	11.95	106	3833678	119.555	ug/l	98
73) Isopropylbenzene	12.25	105	775756	9.082	ug/l	100
78) n-propylbenzene	12.59	91	2966476	32.006	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3649662	51.366	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	11155288	160.036	ug/l	100
85) sec-Butylbenzene	13.17	105	319129m	3.763	ug/l	
86) p-Isopropyltoluene	13.29	119	138748m	1.865	ug/l	
89) n-Butylbenzene	13.61	91	529355	9.363	ug/l #	70
95) Naphthalene	15.13	128	837272	20.109	ug/l	99

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

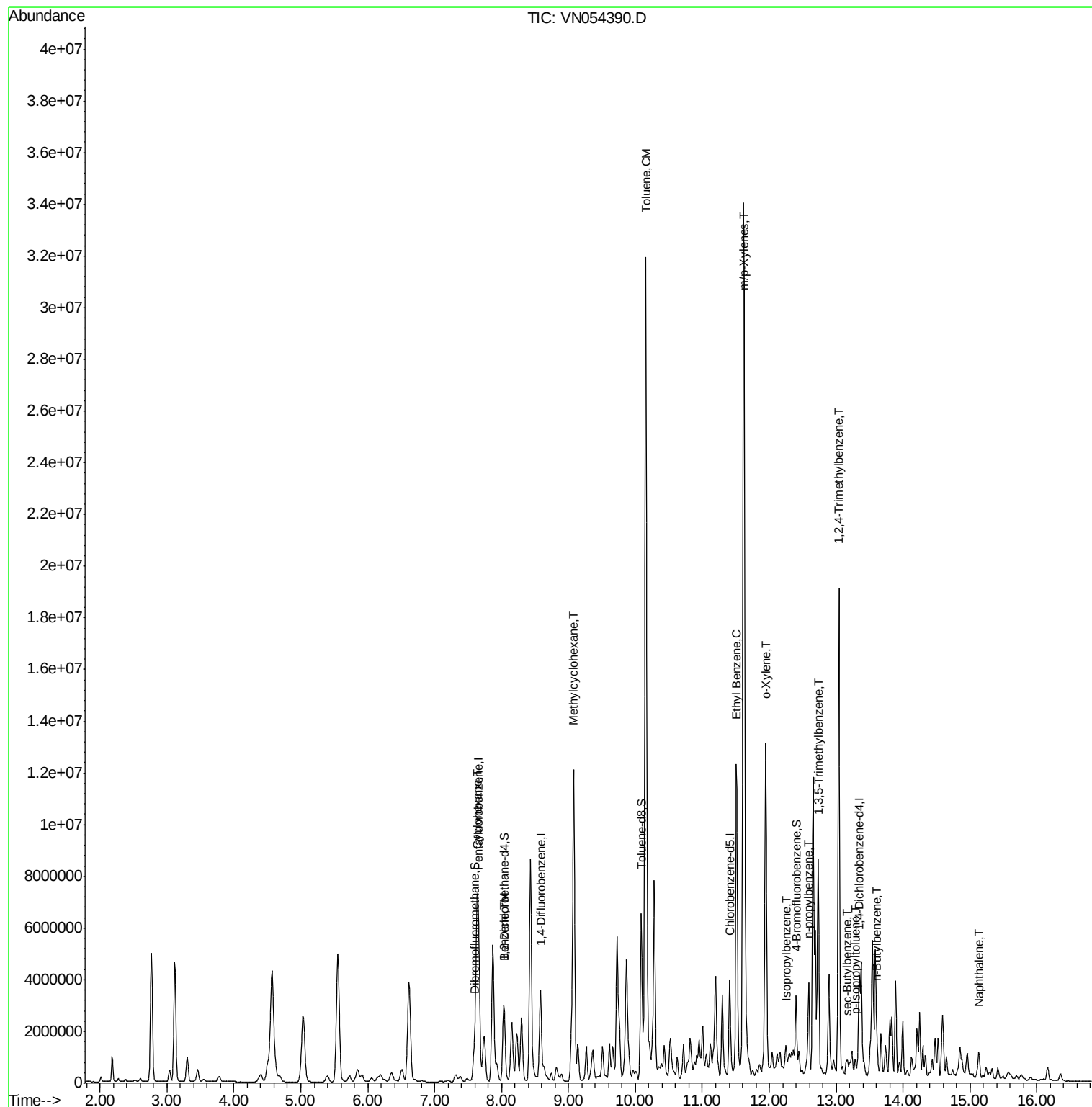
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054390.D
Acq On : 18 Mar 2019 13:32
Operator : JC/SP
Sample : K1928-10ME
Misc : 6.45g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

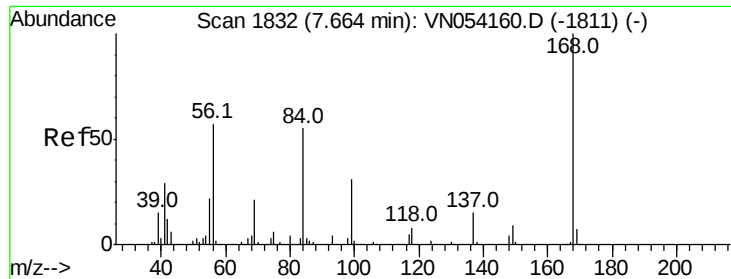
Instrument :
MSVOA_N
ClientSampleId :
SI-1(9-9.5)ME

Manual Integrations
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3/19/2019 9:23:59 AM

Quant Time: Mar 19 09:49:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion:168 Resp: 1823119

Ion Ratio Lower Upper

168 100

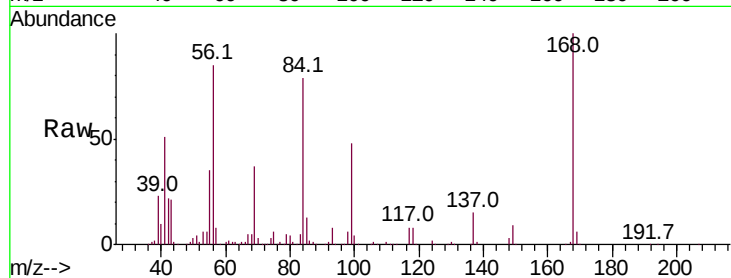
99 47.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

600000

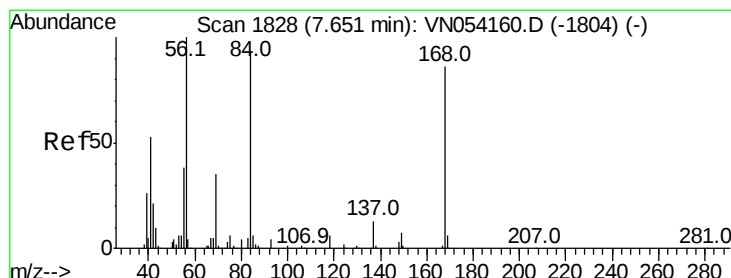
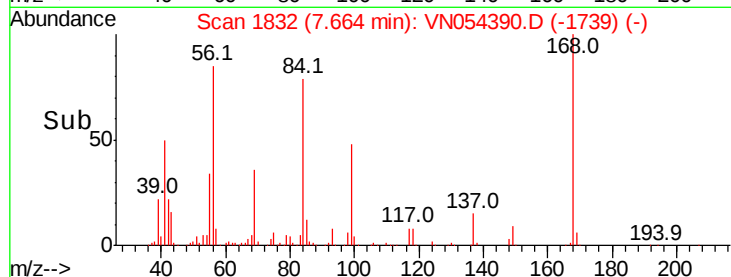
400000

200000

0

7.60 7.70 7.80

Time-->



#31

Cyclohexane

Concen: 113.034 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

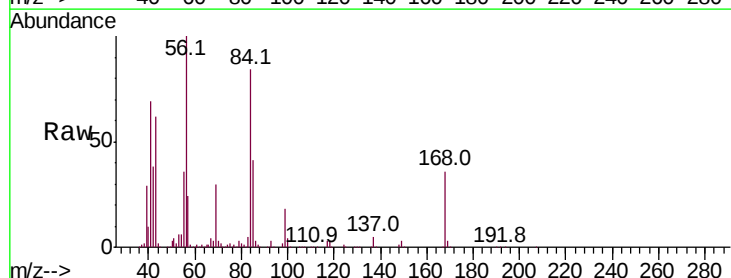
Tgt Ion: 56 Resp: 3245859

Ion Ratio Lower Upper

56 100

69 29.5 27.8 41.6

84 83.8 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

1500000

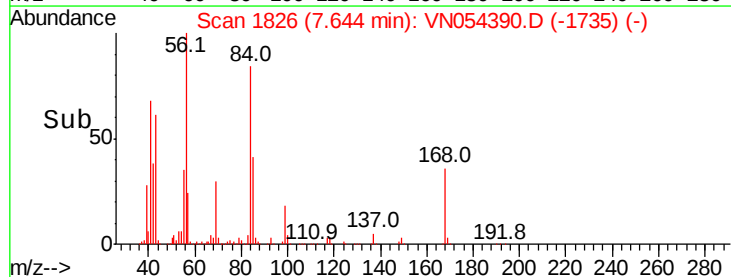
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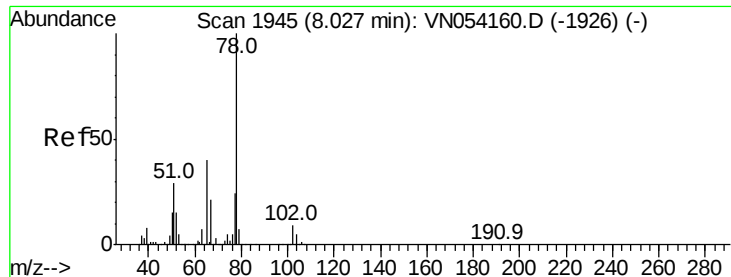
500000

0

7.50 7.55 7.60 7.65 7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 42.794 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion: 65 Resp: 828566

Ion Ratio Lower Upper

65 100

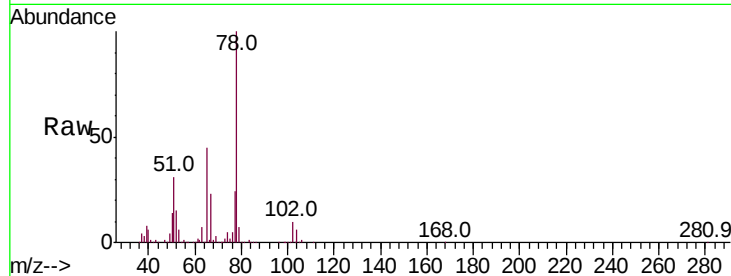
67 52.4 0.0 104.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

400000

300000

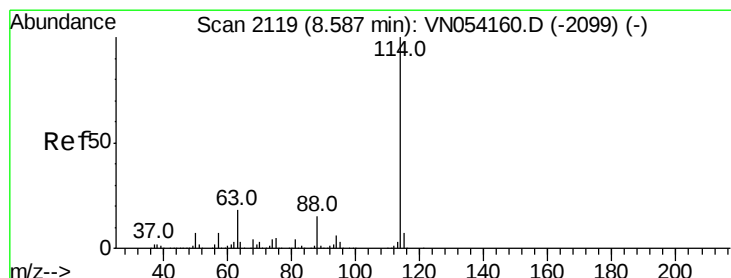
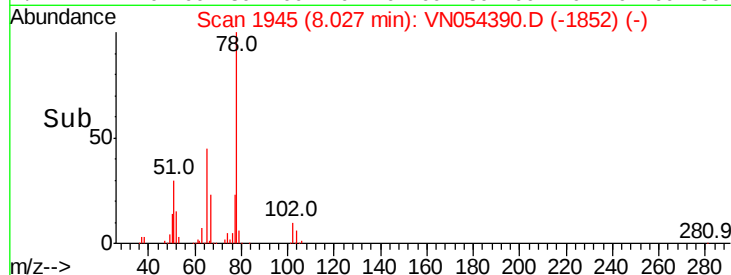
200000

100000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

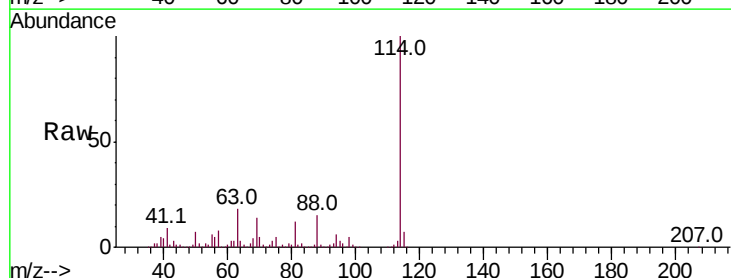
Tgt Ion:114 Resp: 2596993

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VNO

Ion 87.90 (87.60 to 88.60): VNO

1500000

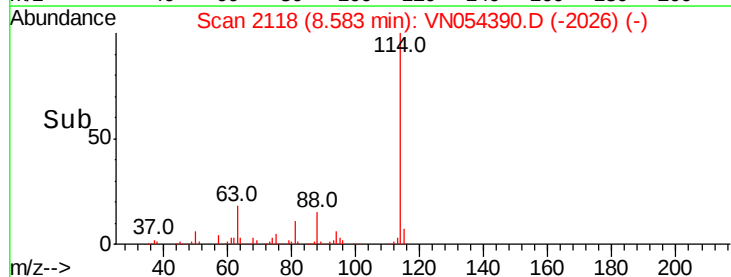
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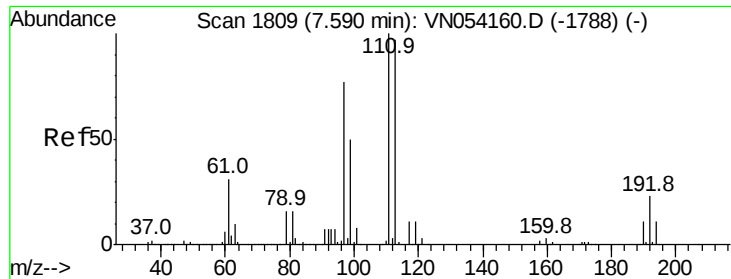
500000

0

8.50 8.60 8.70 8.80

Time-->





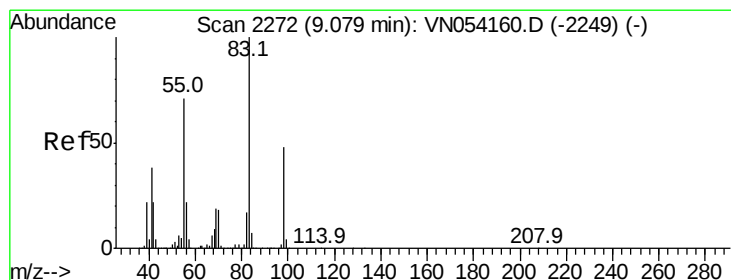
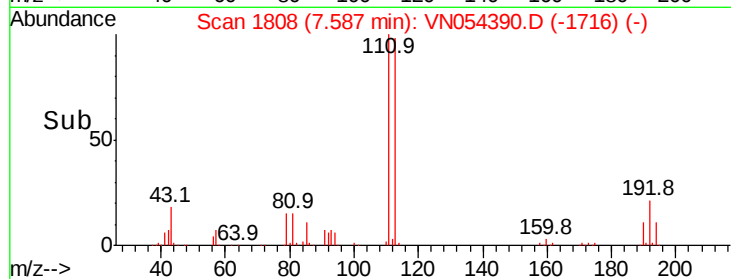
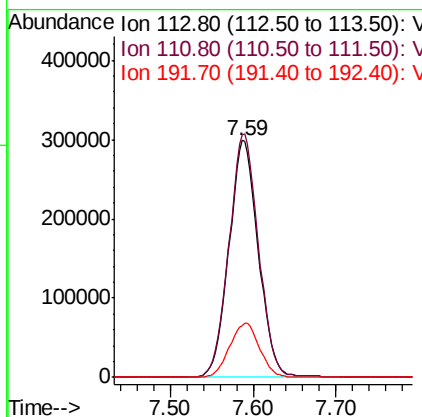
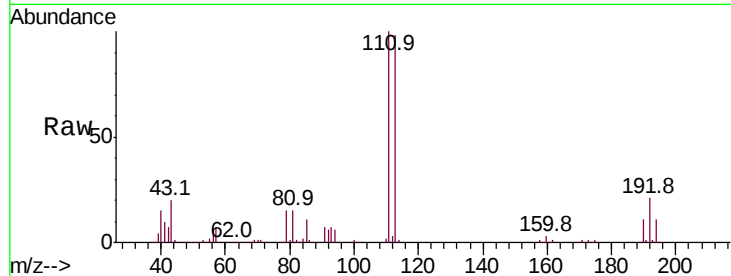
#35
Dibromofluoromethane
Concen: 44.099 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampleId :
SI-1(9-9.5)ME

Tot Ion	Ratio	Resp	Lower	Upper
113	100	738644		
111	103.4		82.2	123.4
192	23.3		19.2	28.8

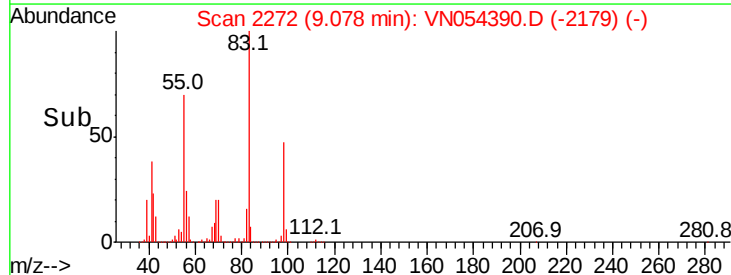
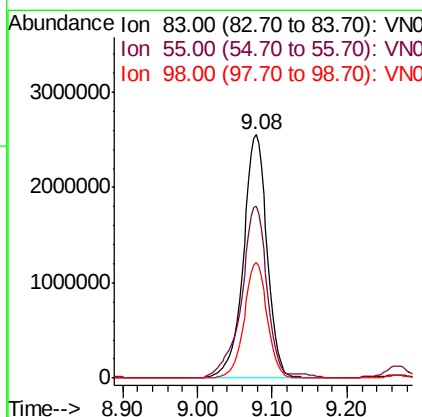
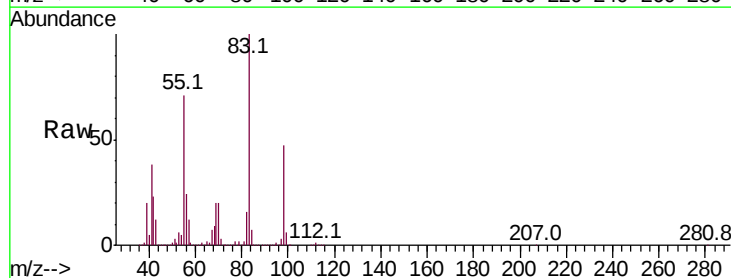
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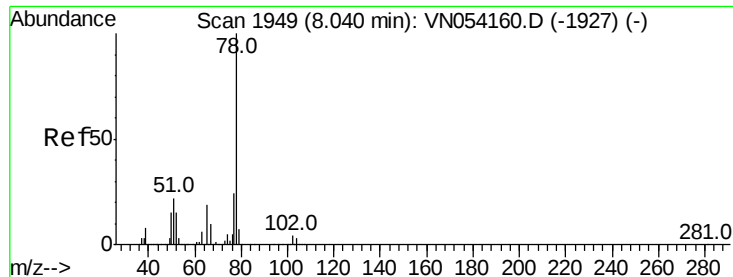
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#39
Methylcyclohexane
Concen: 191.055 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5621957		
55	70.6		56.6	84.8
98	47.3		38.4	57.6





#40

Benzene

Concen: 36.414 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion: 78 Resp: 2492138

Ion Ratio Lower Upper

78 100

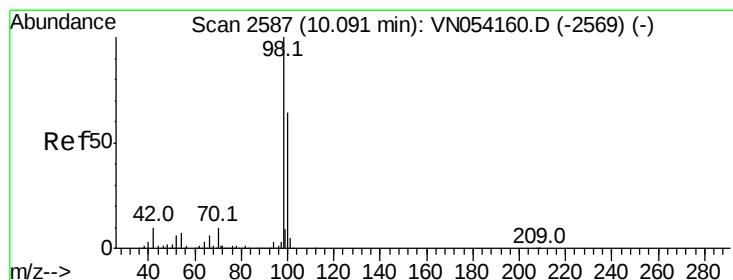
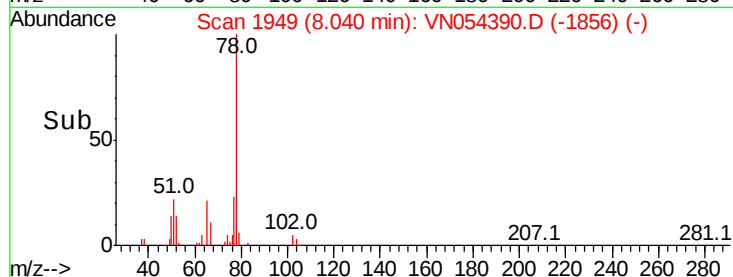
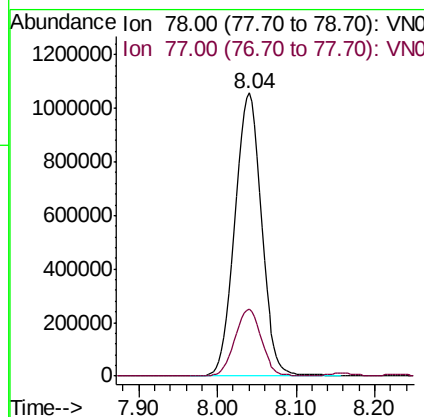
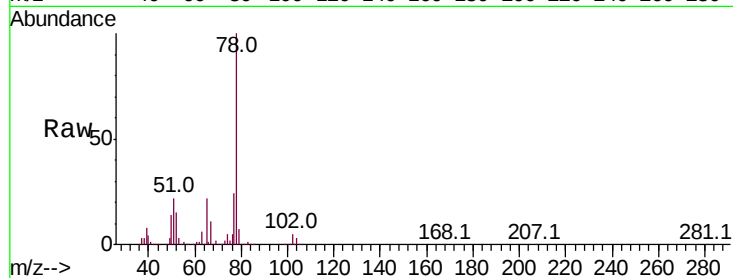
77 23.6 19.1 28.7

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#50

Toluene-d8

Concen: 52.530 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054390.D

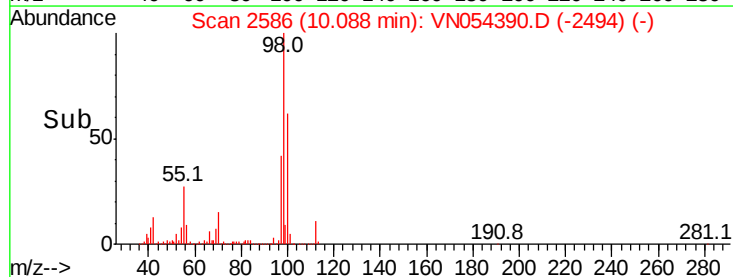
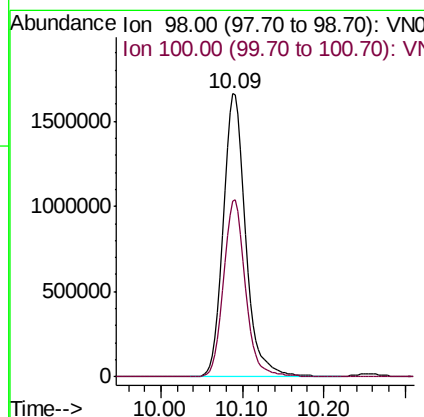
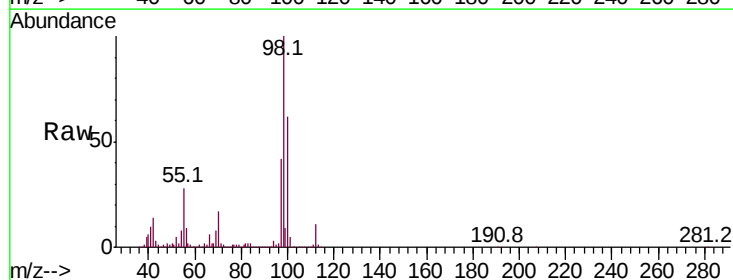
Acq: 18 Mar 2019 13:32

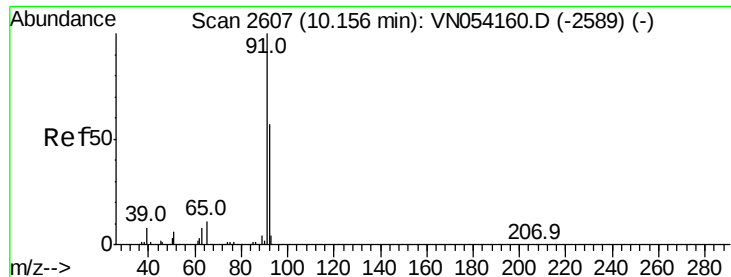
Tgt Ion: 98 Resp: 3249425

Ion Ratio Lower Upper

98 100

100 61.4 51.2 76.8





#52

Toluene

Concen: 356.345 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion: 92 Resp:15463389

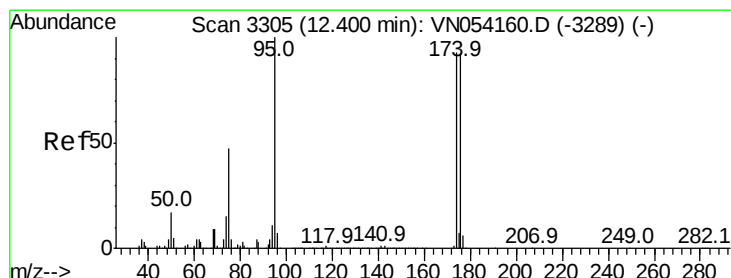
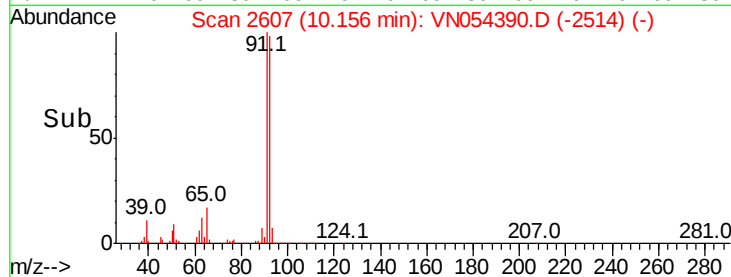
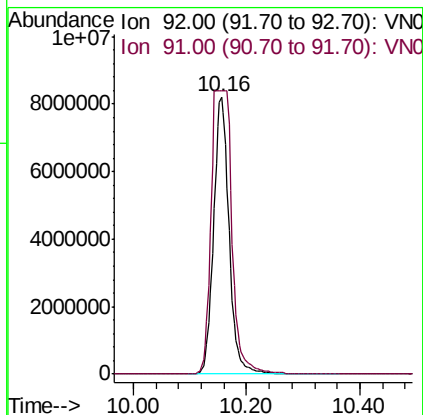
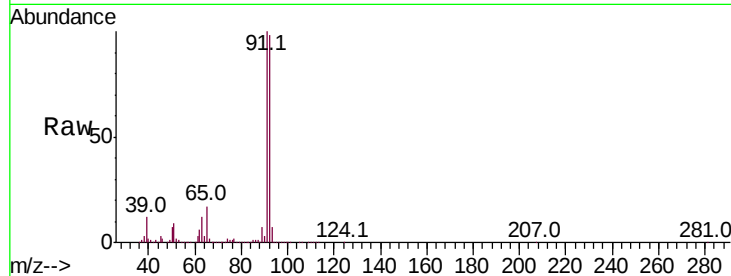
Ion Ratio Lower Upper

92 100

91 0.0 140.7 211.1#

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#62

4-Bromofluorobenzene

Concen: 46.907 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

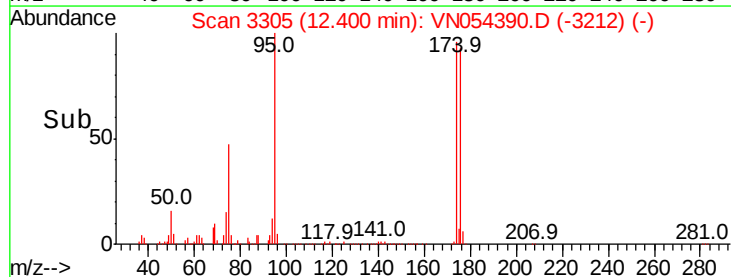
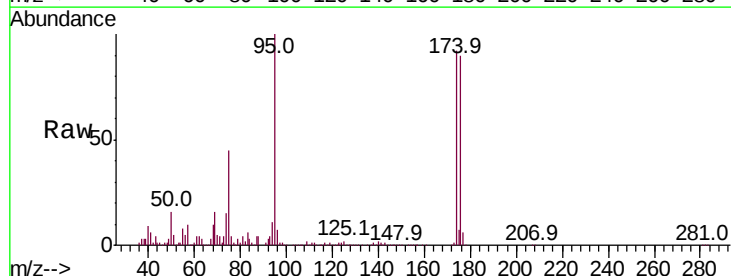
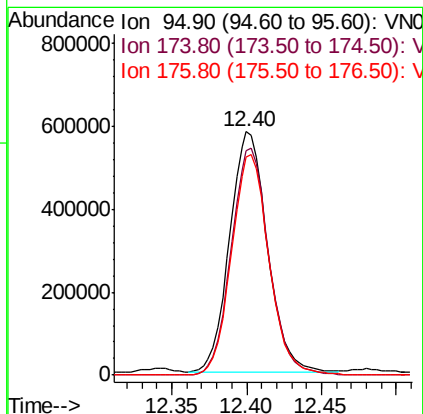
Tgt Ion: 95 Resp: 1015263

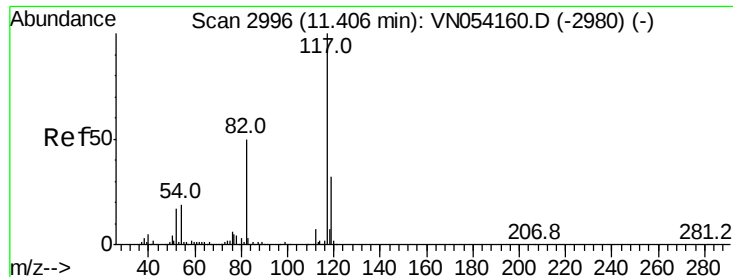
Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.0

176 91.6 0.0 187.4





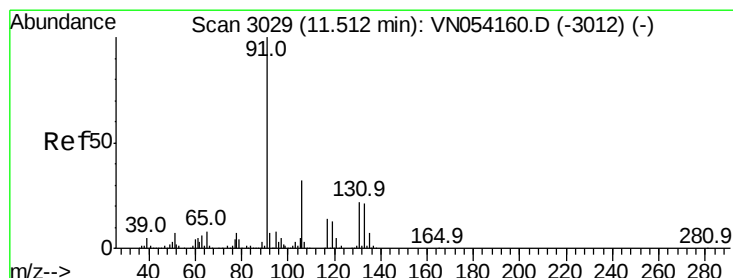
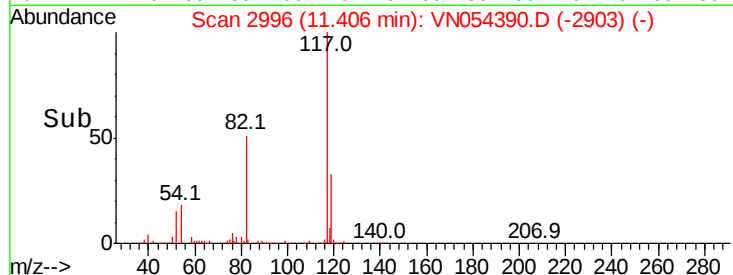
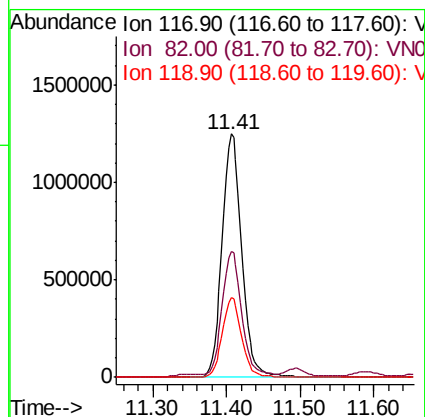
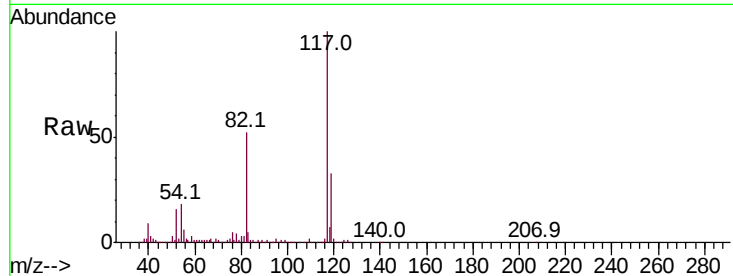
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampleId :
SI-1(9-9.5)ME

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.0	60.0
119	32.8	25.8	38.6

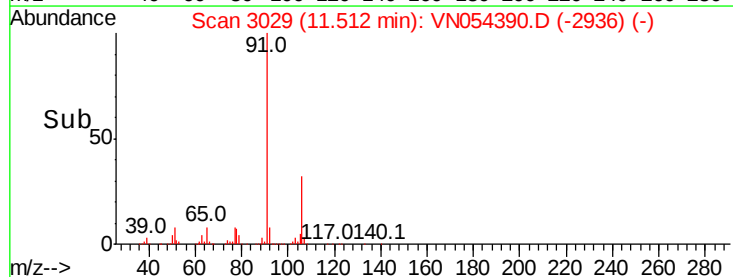
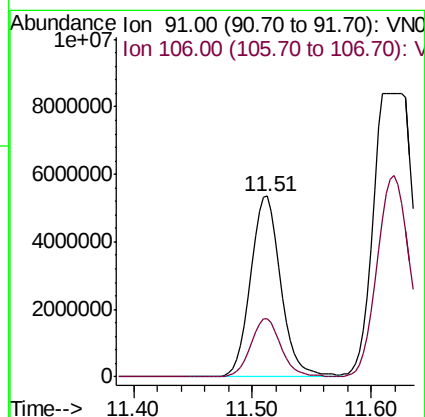
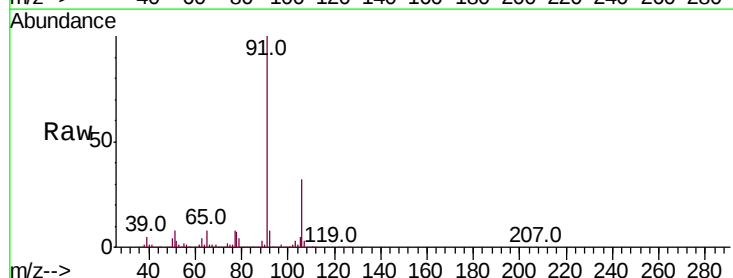
Manual Integrations
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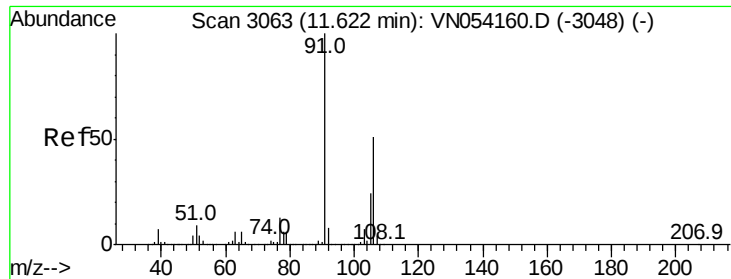
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#67
Ethyl Benzene
Concen: 112.142 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.5	38.3





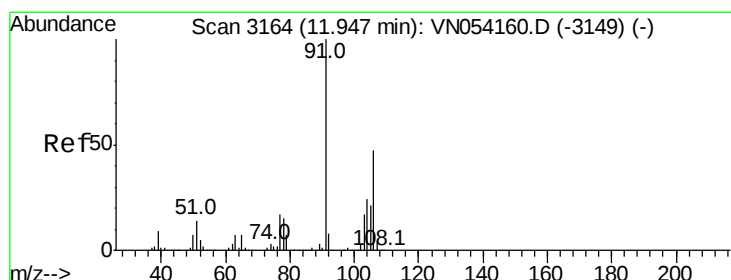
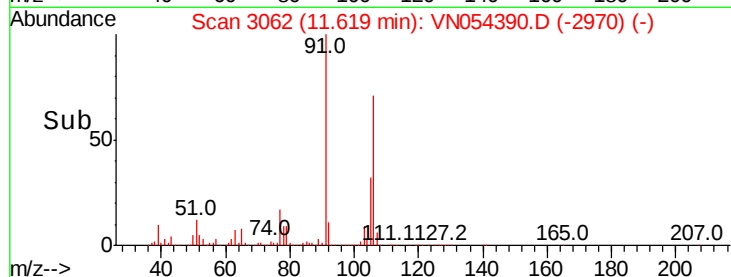
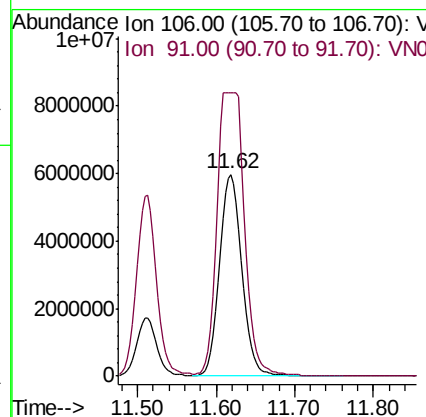
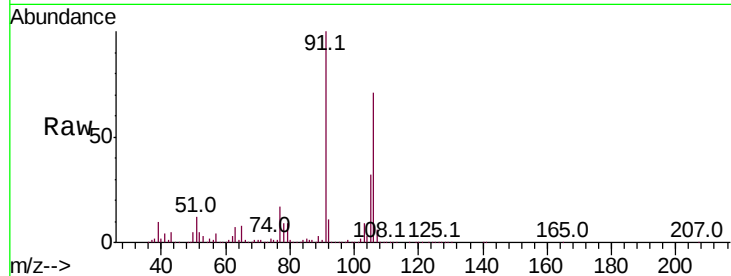
#68
m/p-Xylenes
Concen: 355.330 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampleId :
SI-1(9-9.5)ME

Tot Ion:106 Resp:11688246
Ion Ratio Lower Upper
106 100
91 0.0 159.4 239.2#

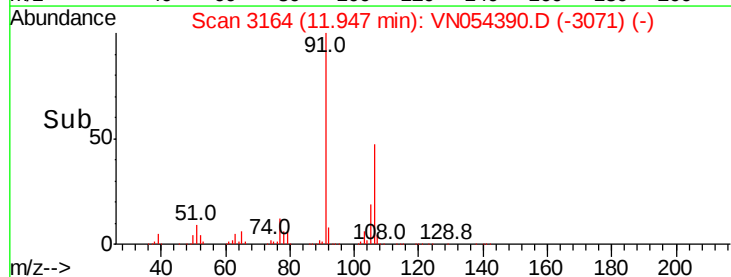
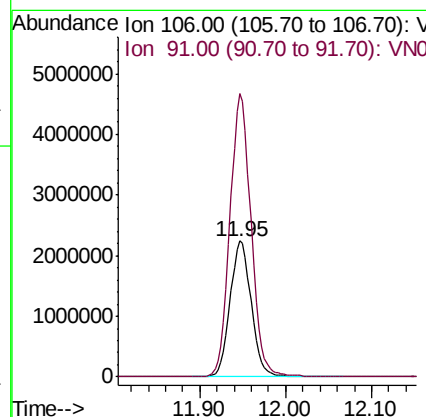
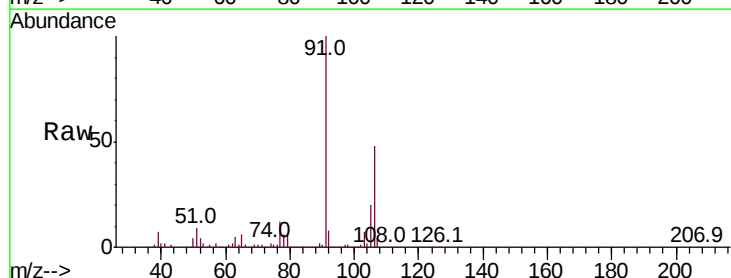
Manual Integrations
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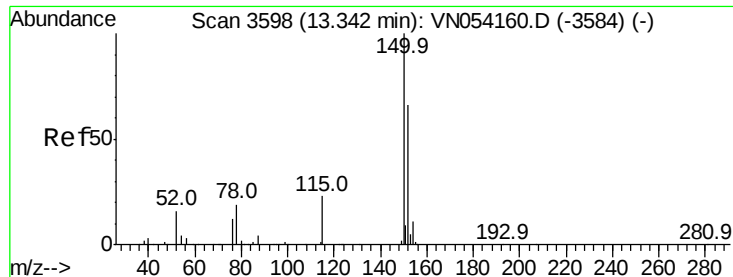
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3/19/2019 9:23:59 AM



#69
o-Xylene
Concen: 119.555 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Tgt Ion:106 Resp: 3833678
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion:152 Resp: 1067666

Ion Ratio Lower Upper

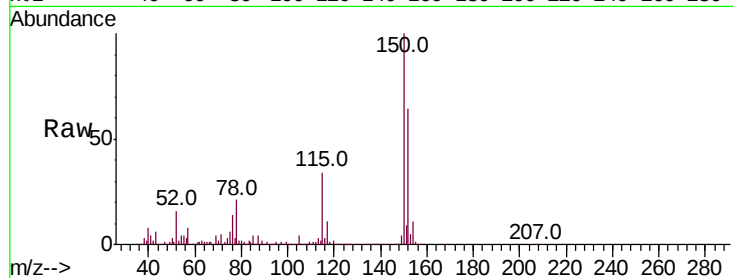
152 100

115 62.2 27.2 81.6

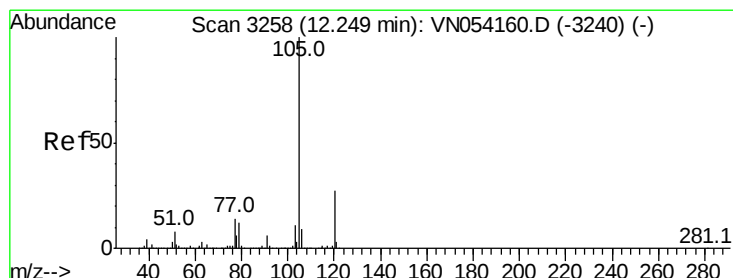
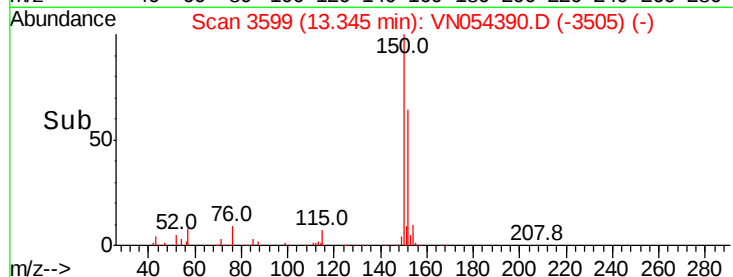
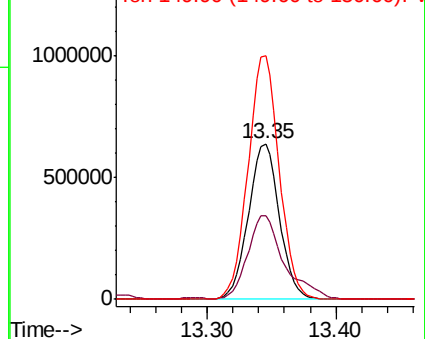
150 156.8 0.0 349.2

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 9.082 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054390.D

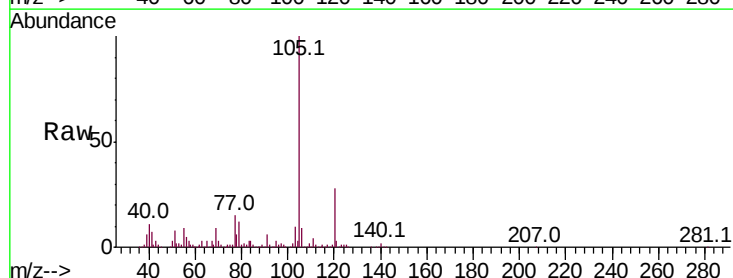
Acq: 18 Mar 2019 13:32

Tgt Ion:105 Resp: 775756

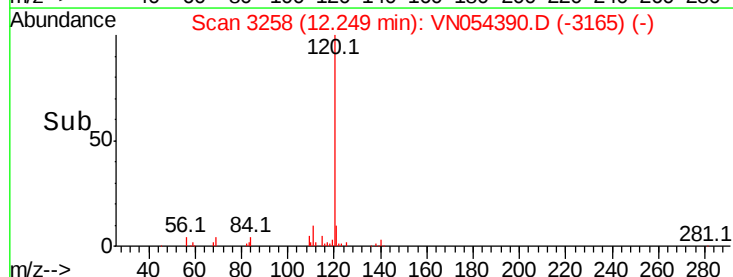
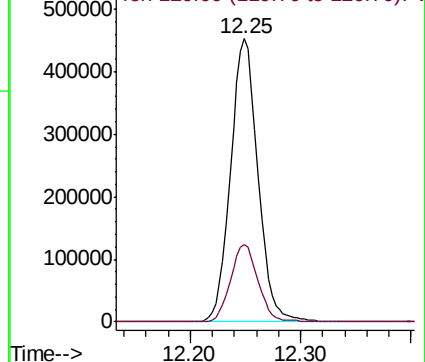
Ion Ratio Lower Upper

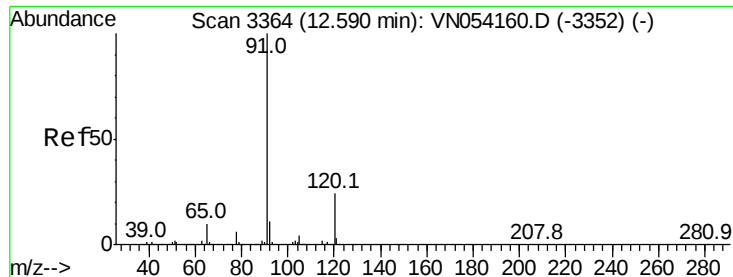
105 100

120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 32.006 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion: 91 Resp: 2966476

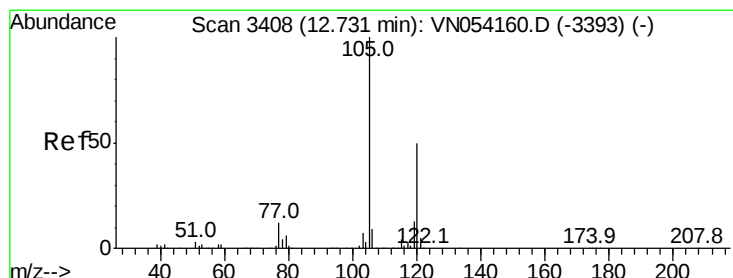
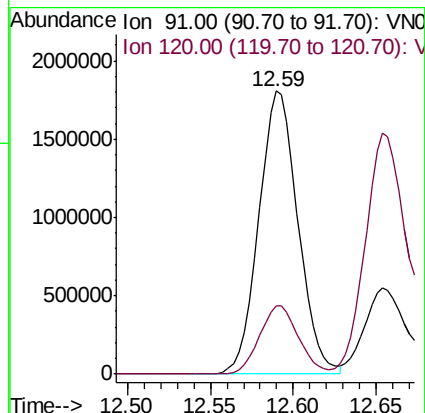
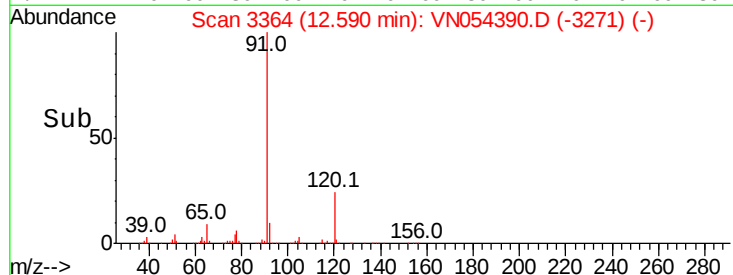
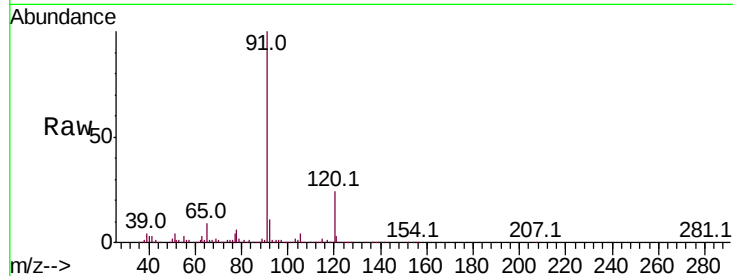
Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.9

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#80

1,3,5-Trimethylbenzene

Concen: 51.366 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054390.D

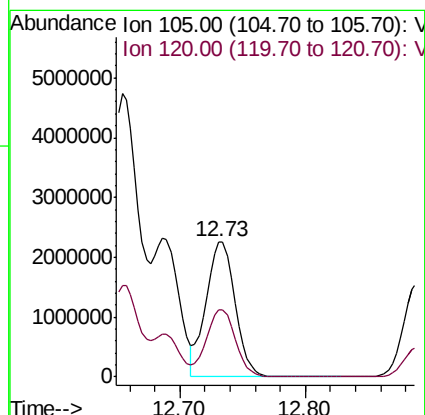
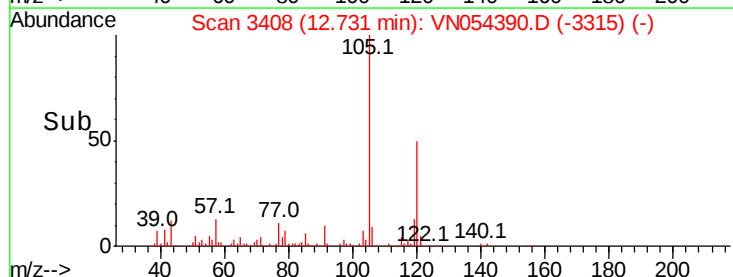
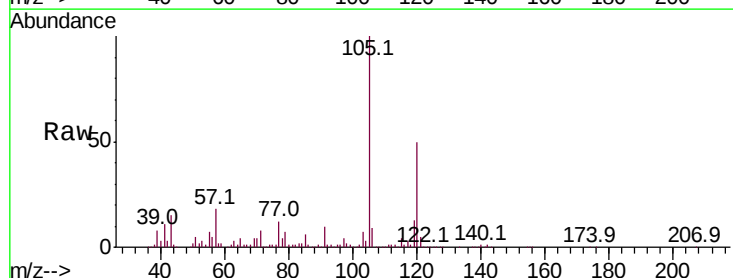
Acq: 18 Mar 2019 13:32

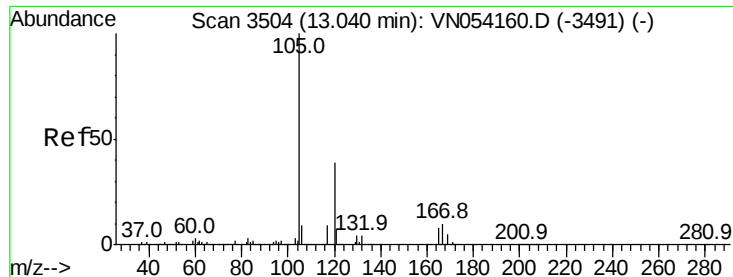
Tgt Ion: 105 Resp: 3649662

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





#84

1,2,4-Trimethylbenzene

Concen: 160.036 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054390.D

Acq: 18 Mar 2019 13:32

Instrument :

MSVOA_N

ClientSampleId :

SI-1(9-9.5)ME

Tot Ion:105 Resp:11155288

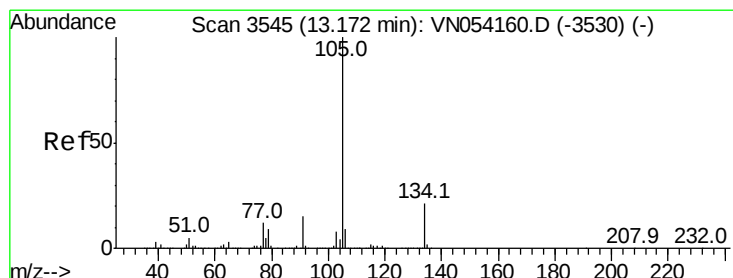
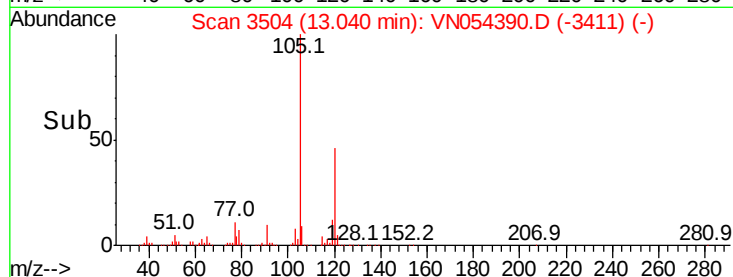
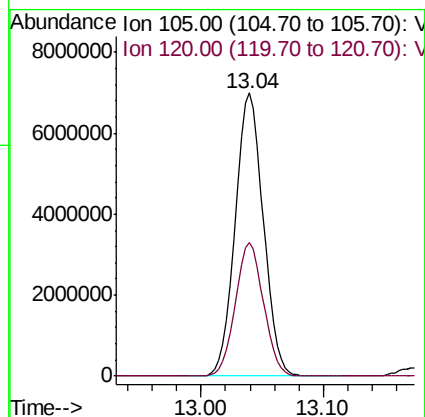
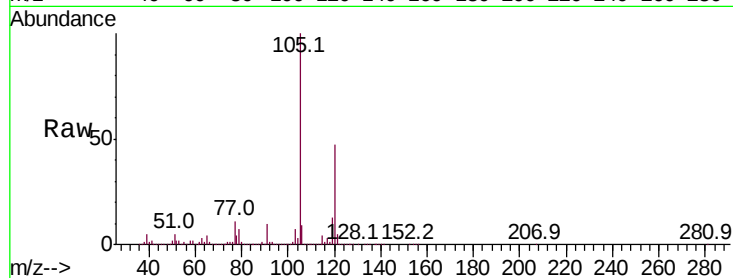
Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3

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#85

sec-Butylbenzene

Concen: 3.763 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054390.D

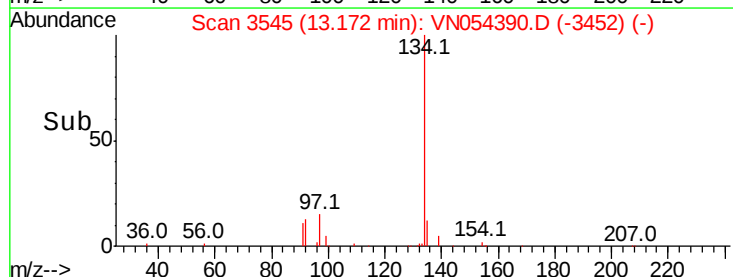
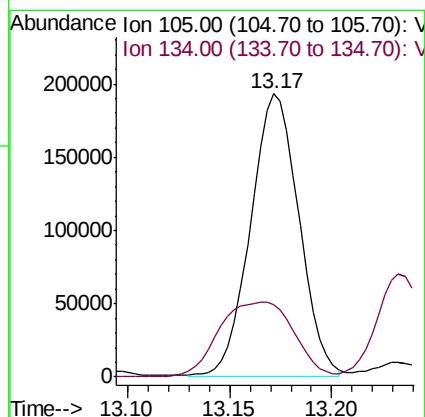
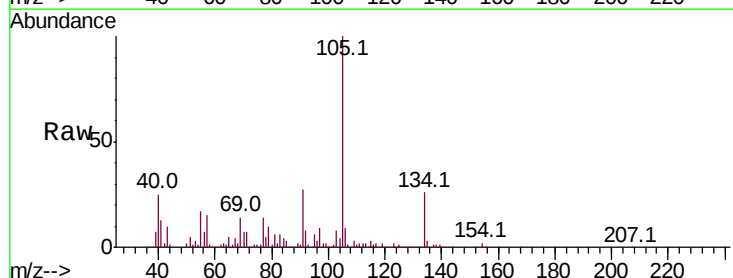
Acq: 18 Mar 2019 13:32

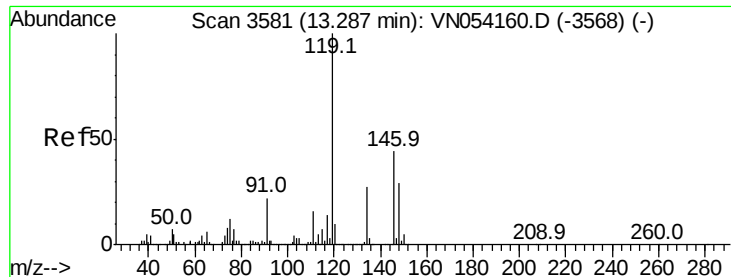
Tgt Ion:105 Resp: 319129

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#





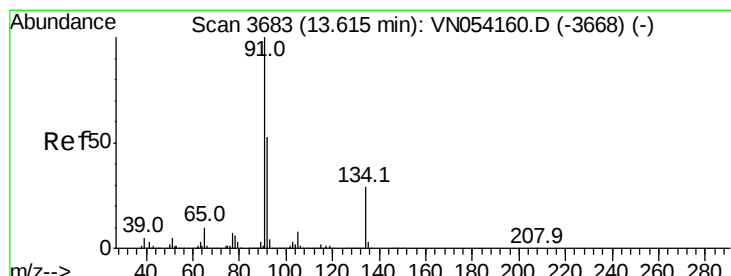
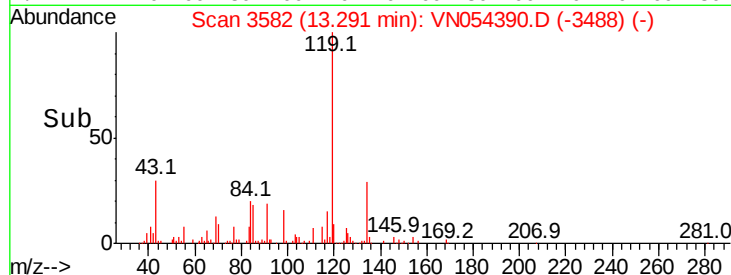
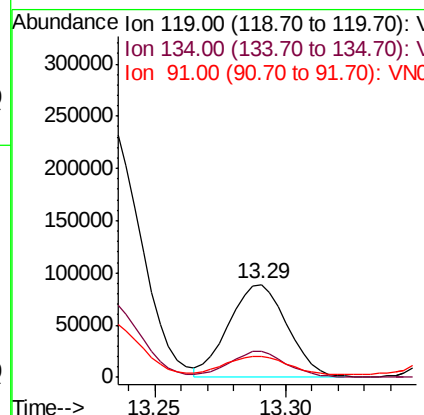
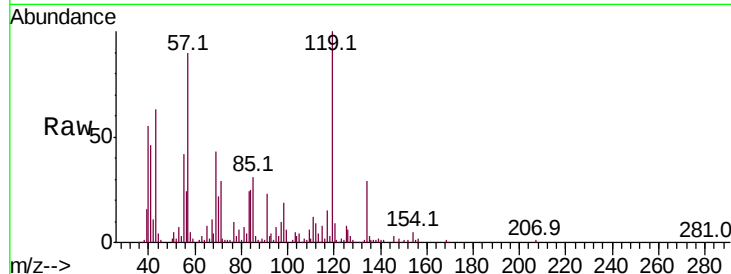
#86
 p-Isopropyltoluene
 Concen: 1.865 ug/l m
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SI-1(9-9.5)ME

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138748		
134	79.8	13.6	40.8#	
91	57.0	11.1	33.3#	

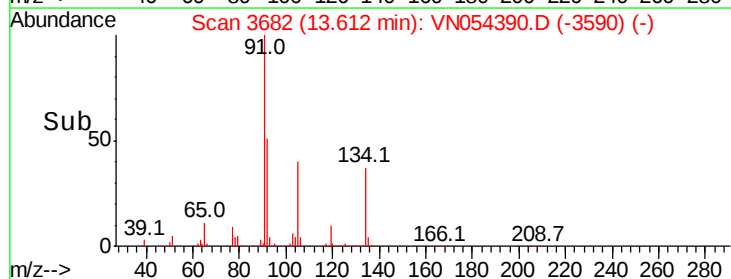
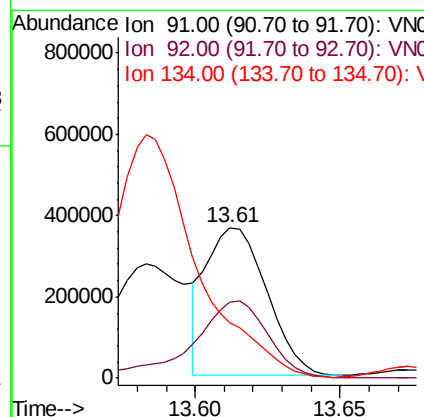
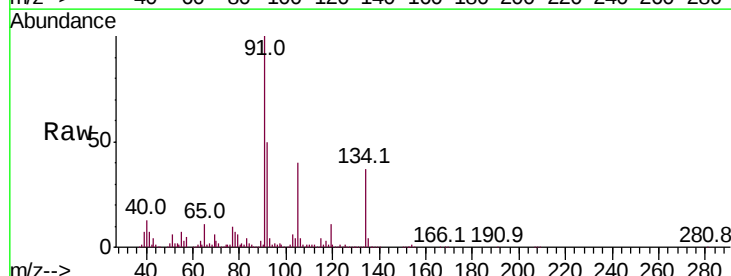
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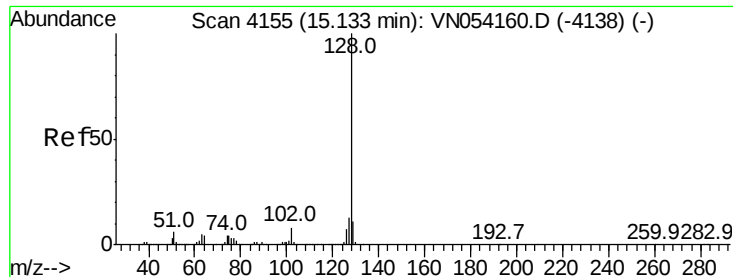
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#89
 n-Butylbenzene
 Concen: 9.363 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054390.D
 Acq: 18 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	529355		
92	64.5	26.2	78.6	
134	0.0	14.3	42.9#	





#95
Naphthalene
Concen: 20.109 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054390.D
Acq: 18 Mar 2019 13:32

Instrument :
MSVOA_N
ClientSampleId :
SI-1(9-9.5)ME

Tot Ion:	128	Resp:	837272
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	11.1	8.7	13.1

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