

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054266.D
 Acq On : 14 Mar 2019 17:09
 Operator : JC/SP
 Sample : K1899-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:04 AM

Quant Time: Mar 15 10:02:39 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	7.67	168	1458797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2359925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2597271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1512894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	730823	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	719346	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.09	98	2965082	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	1265270	64.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.66%	

Target Compounds					Qvalue
16) Acetone	3.82	43	27719	6.249 ug/l	91
25) 2-Butanone	6.85	43	5958	1.144 ug/l #	67
29) Tetrahydrofuran	7.22	42	17490	5.225 ug/l	97
30) Chloroform	7.37	83	27990	1.076 ug/l	93
39) Methylcyclohexane	9.08	83	10302	0.385 ug/l	95
40) Benzene	8.04	78	599733	9.643 ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	19156	1.651 ug/l	98
52) Toluene	10.16	92	321915	8.164 ug/l	99
67) Ethyl Benzene	11.51	91	2876996	30.433 ug/l	100
68) m/p-Xylenes	11.62	106	1468695	39.749 ug/l	99
69) o-Xylene	11.95	106	1105530	30.693 ug/l	99
73) Isopropylbenzene	12.25	105	1302157	10.758 ug/l	99
78) n-propylbenzene	12.59	91	661111	5.034 ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4142005	41.140 ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	11280791	114.210 ug/l	99
86) p-Isopropyltoluene	13.29	119	3078676	29.200 ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	37518	0.708 ug/l #	62
89) n-Butylbenzene	13.61	91	121491m	1.517 ug/l	
95) Naphthalene	15.11	128	31415449m	444.055 ug/l	

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

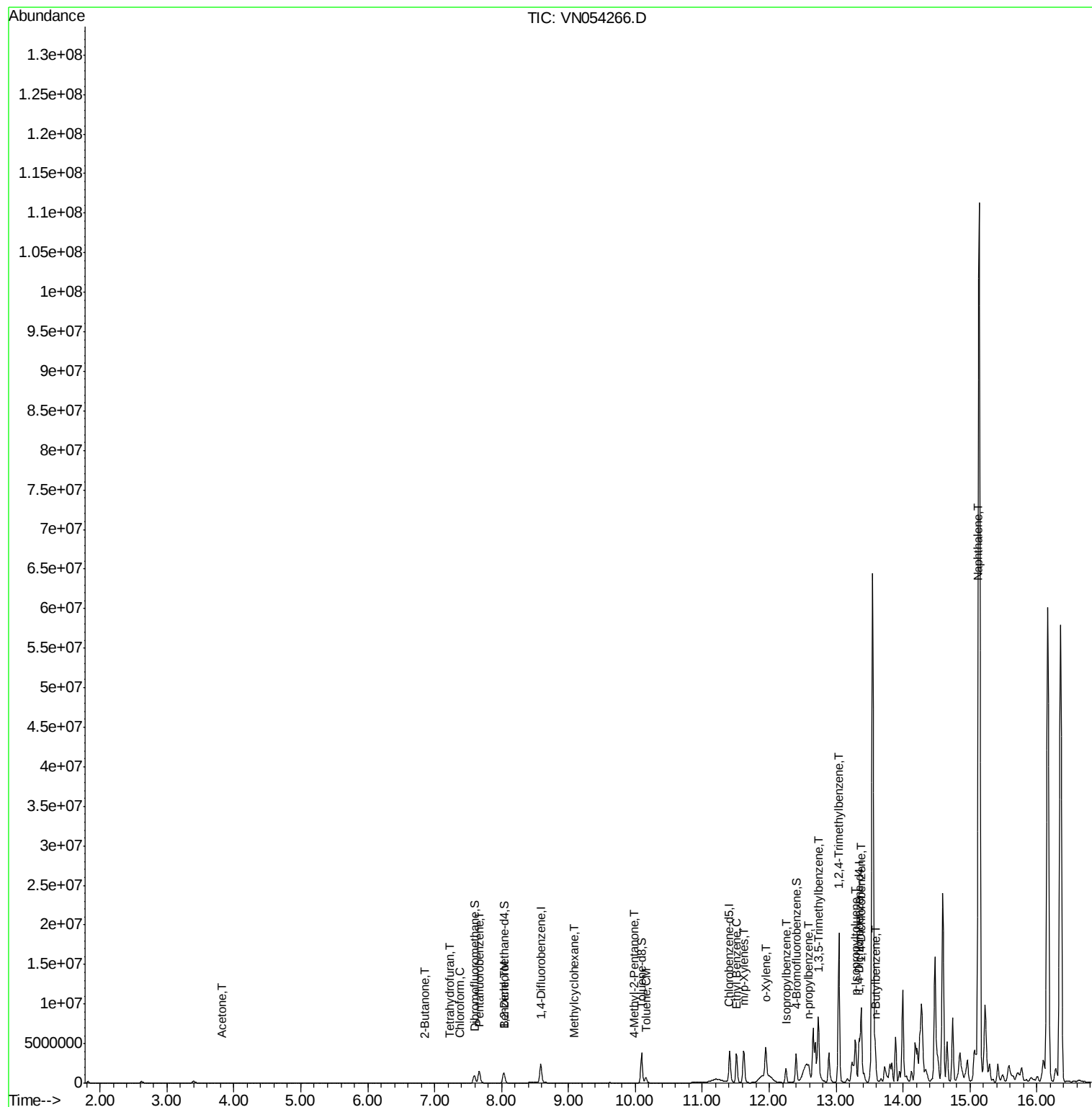
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
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Quant Time: Mar 15 10:02:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

Tgt Ion:168 Resp: 1458797

Ion Ratio Lower Upper

168 100

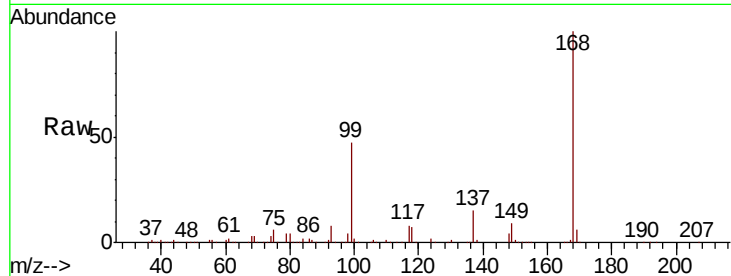
99 47.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN054266.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054266.D (-1739) (-)

7.67

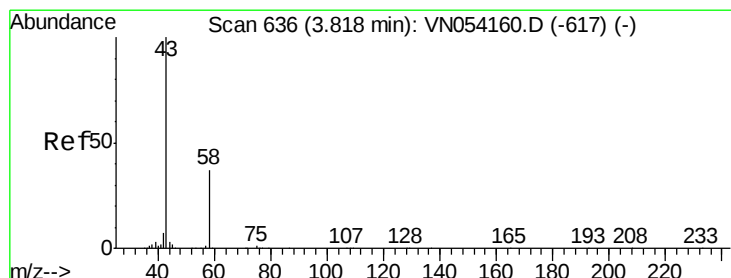
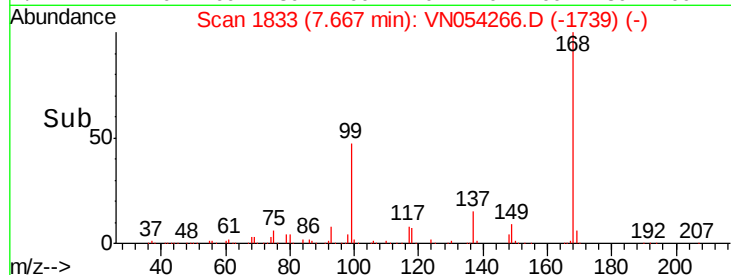
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 6.249 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054266.D

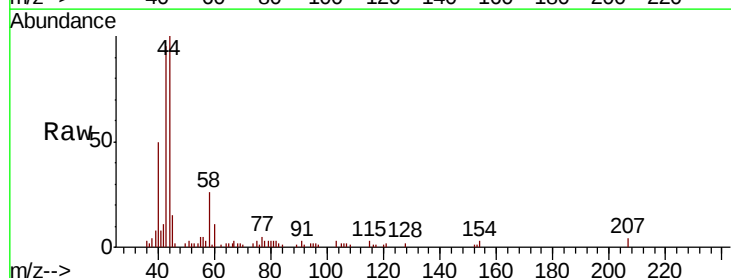
Acq: 14 Mar 2019 17:09

Tgt Ion: 43 Resp: 27719

Ion Ratio Lower Upper

43 100

58 31.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054266.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054266.D (-543) (-)

3.82

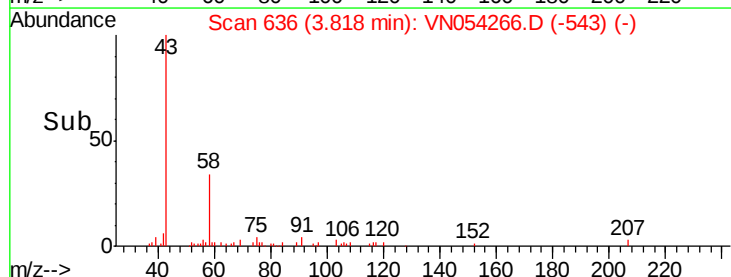
15000

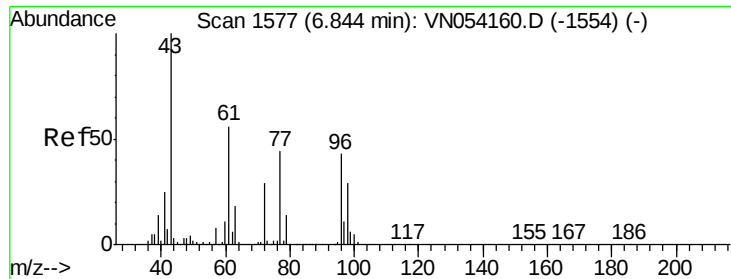
10000

5000

0

Time--> 3.75 3.80 3.85 3.90





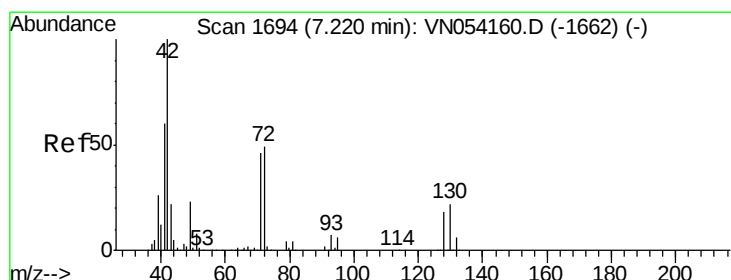
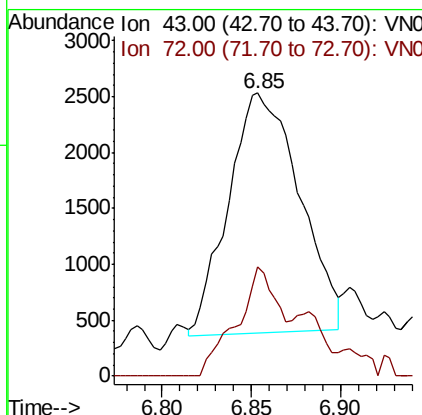
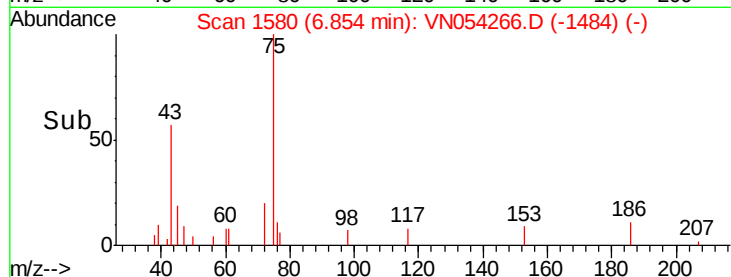
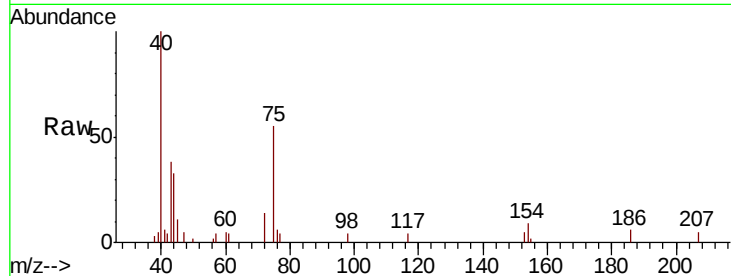
#25
2-Butanone
Concen: 1.144 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion: 43 Resp: 5958
Ion Ratio Lower Upper
43 100
72 46.3 23.0 34.6#

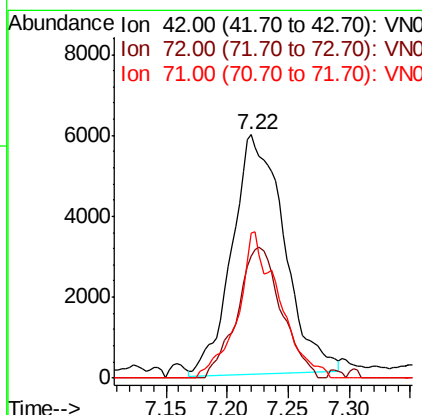
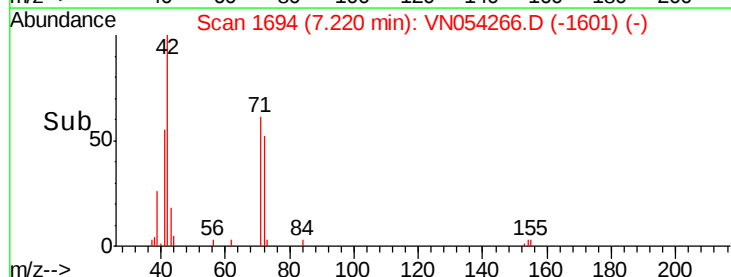
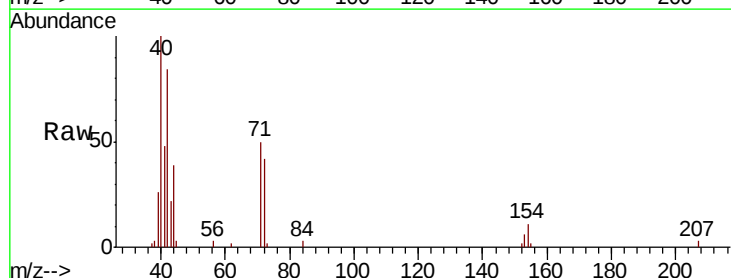
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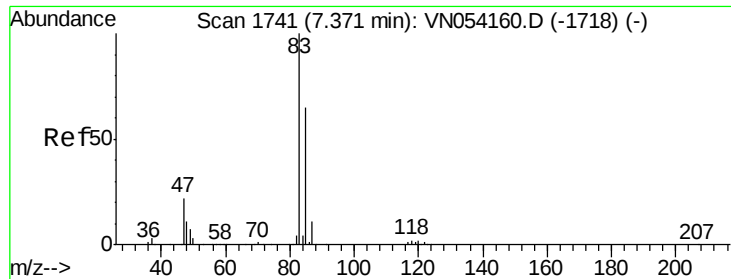
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#29
Tetrahydrofuran
Concen: 5.225 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 42 Resp: 17490
Ion Ratio Lower Upper
42 100
72 46.4 37.8 56.6
71 48.4 36.2 54.2





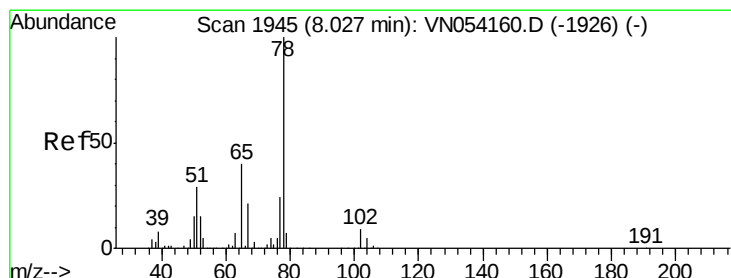
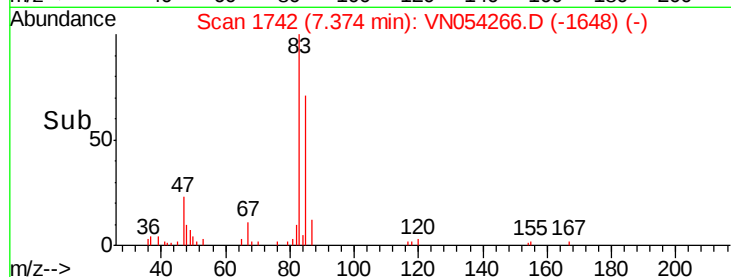
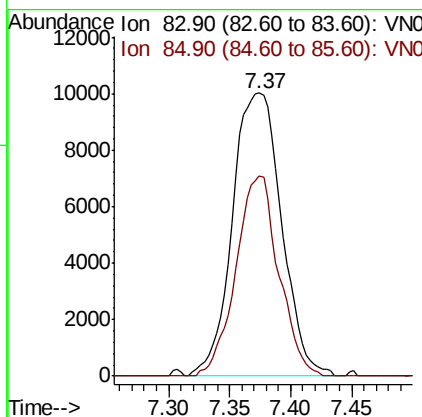
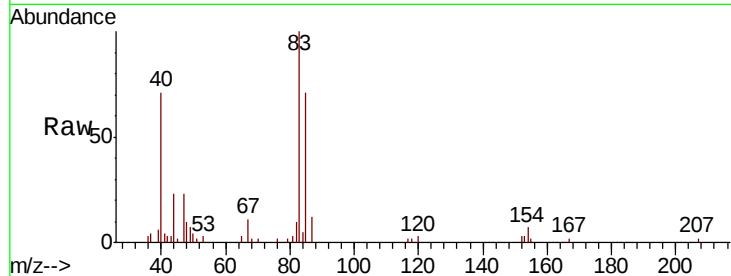
#30
Chloroform
Concen: 1.076 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion: 83 Resp: 27990
Ion Ratio Lower Upper
83 100
85 70.9 52.2 78.4

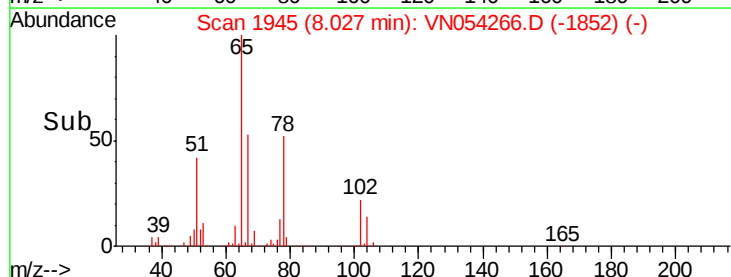
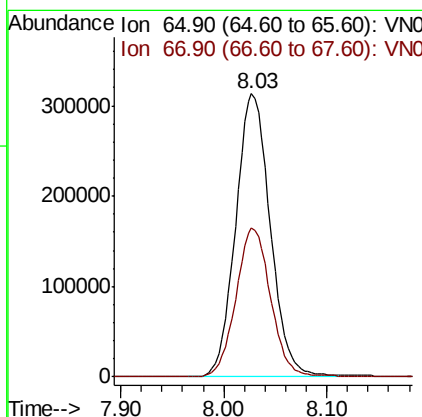
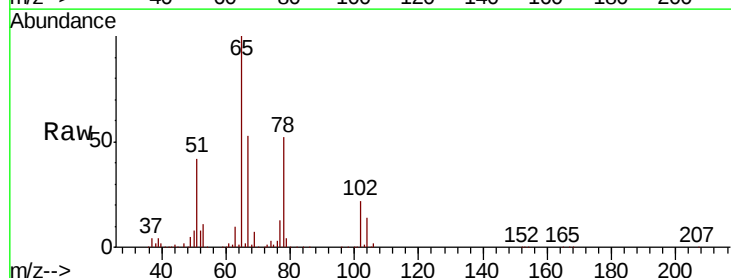
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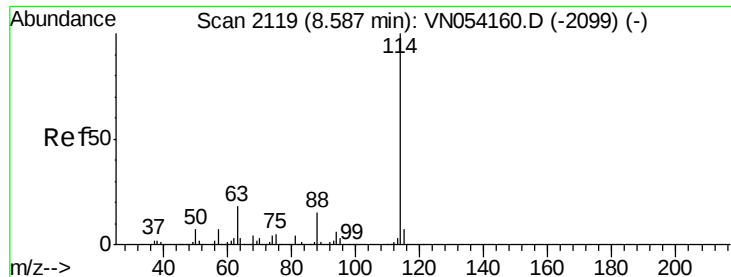
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#33
1,2-Dichloroethane-d4
Concen: 47.173 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 65 Resp: 730823
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6





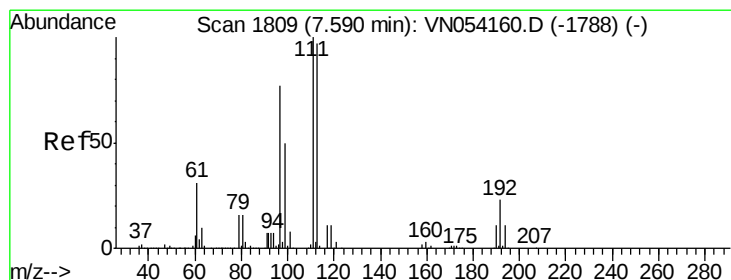
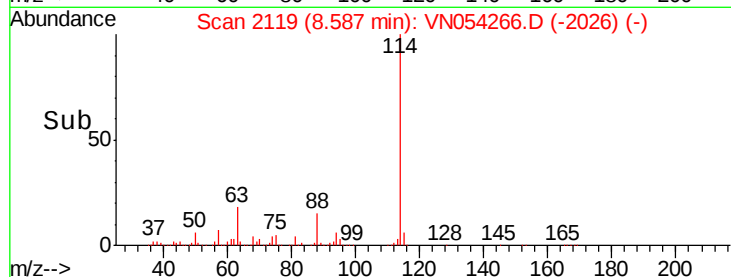
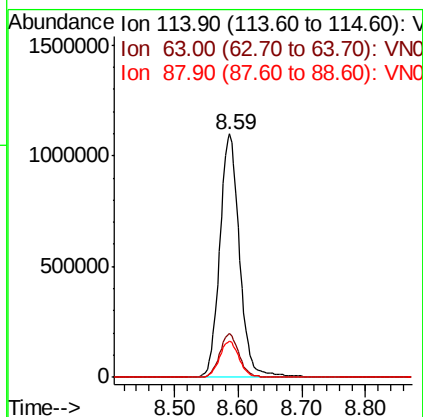
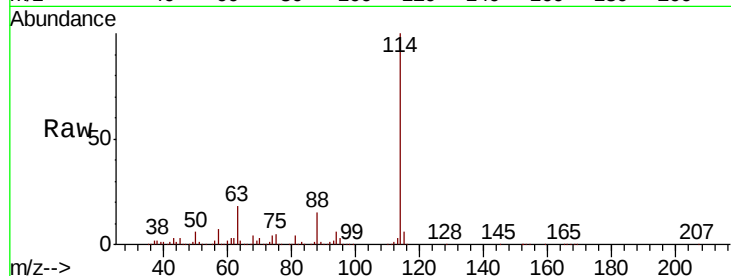
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	14.8	0.0	30.2

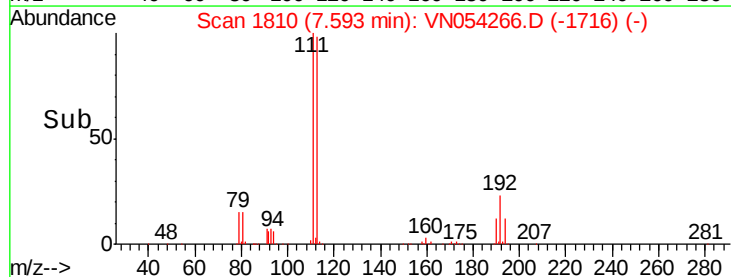
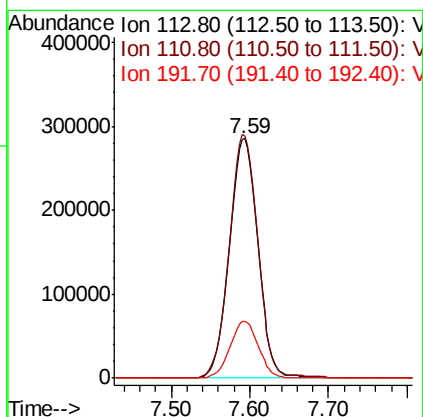
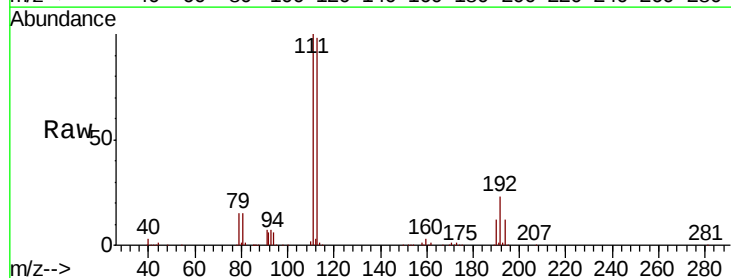
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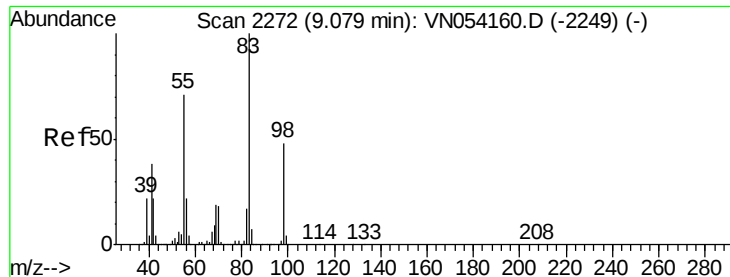
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#35
Dibromofluoromethane
Concen: 47.262 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	23.7	19.2	28.8





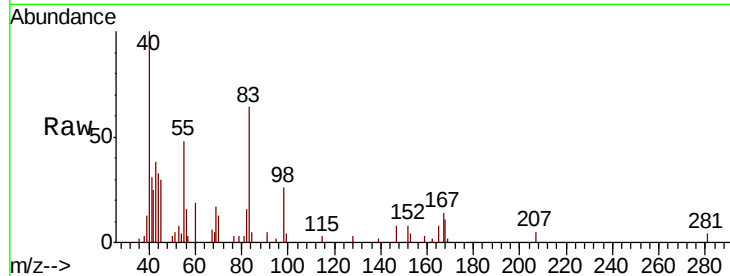
#39
Methylcyclohexane
Concen: 0.385 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.6	84.8
98	40.8	38.4	57.6

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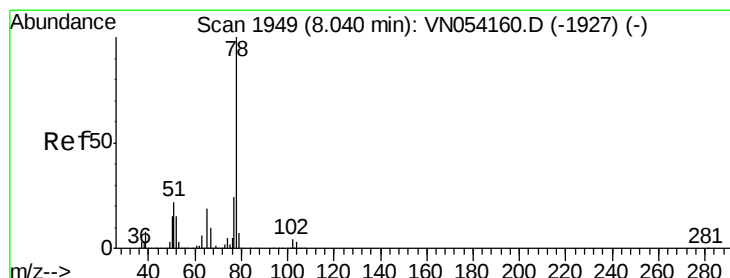
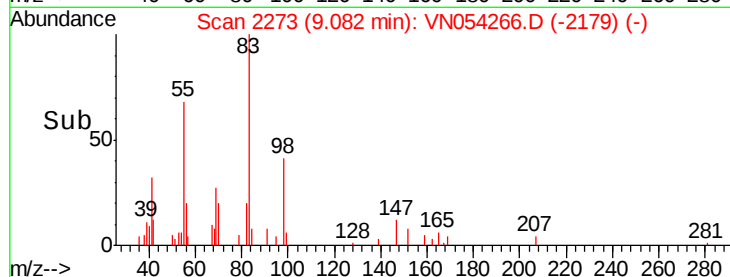
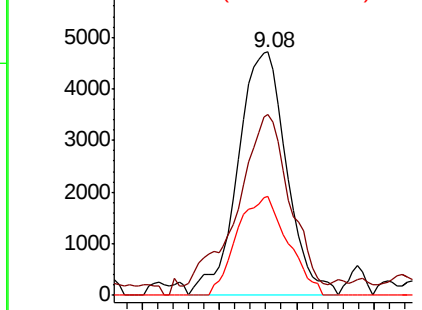


Abundance

Ion 83.00 (82.70 to 83.70): VN0

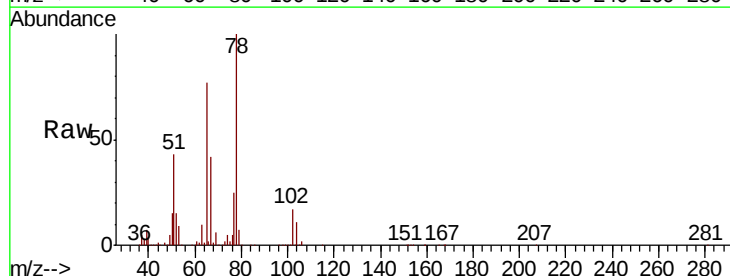
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 9.643 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

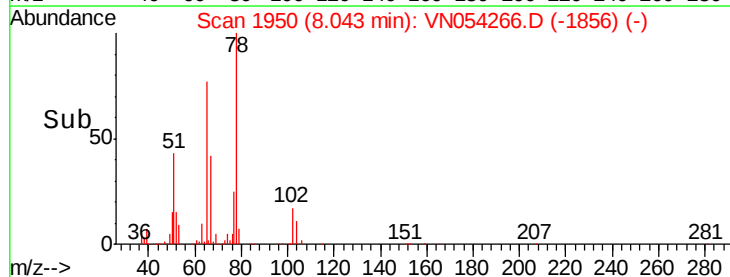
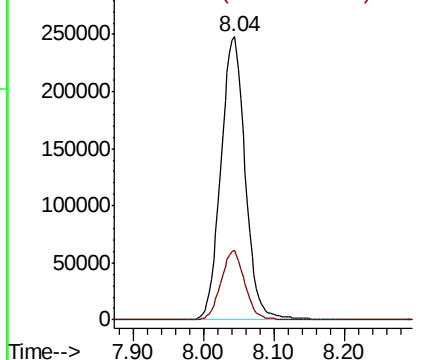
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7

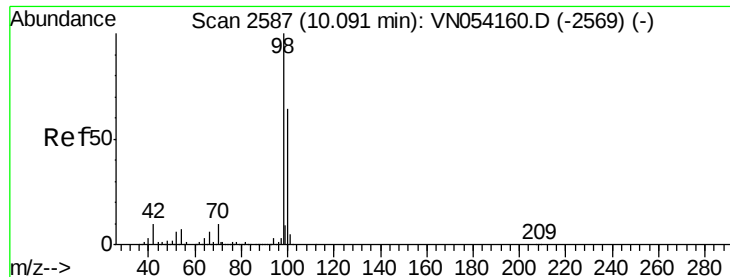


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





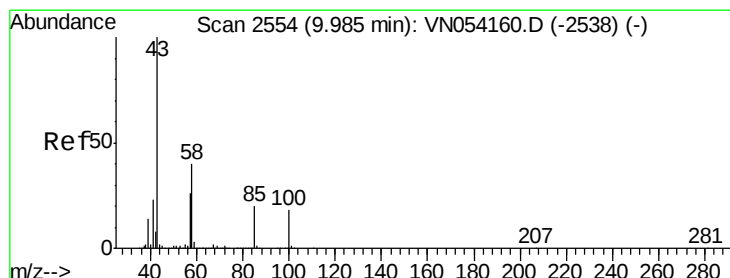
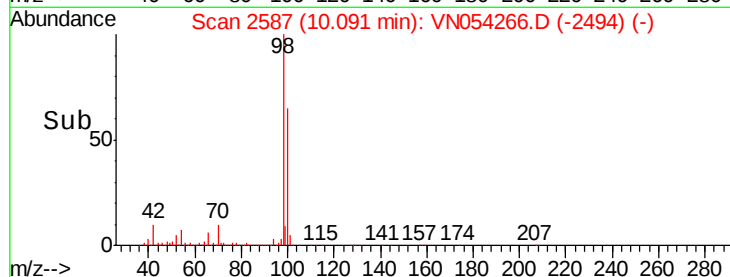
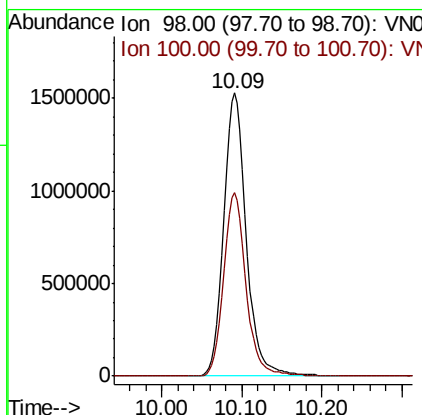
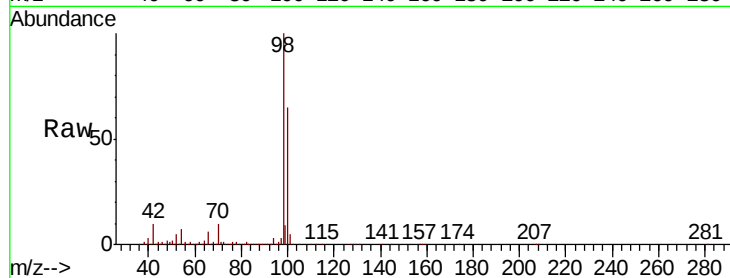
#50
Toluene-d8
Concen: 52.749 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-4A

Tgt Ion: 98 Resp: 2965082
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

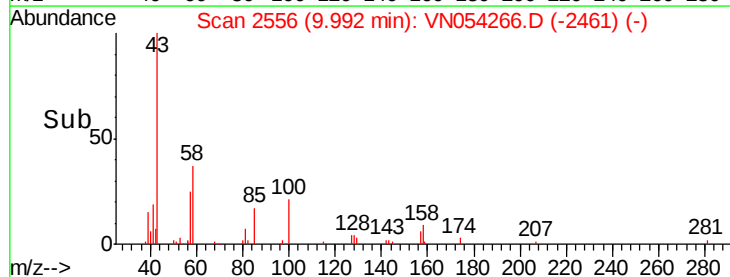
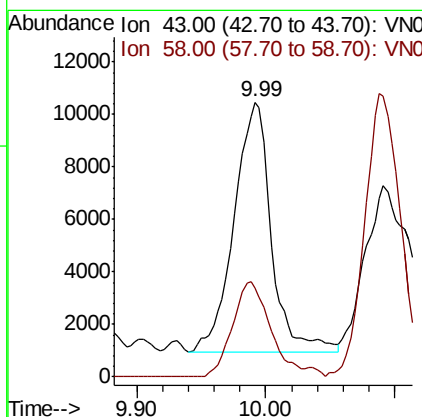
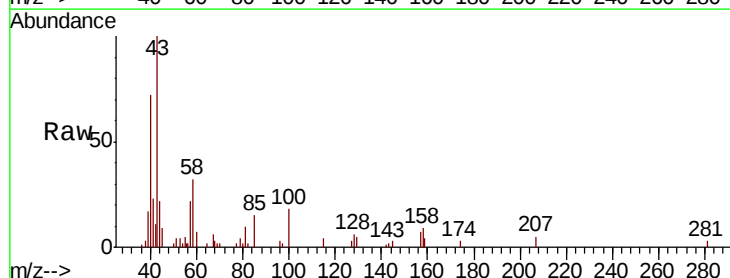
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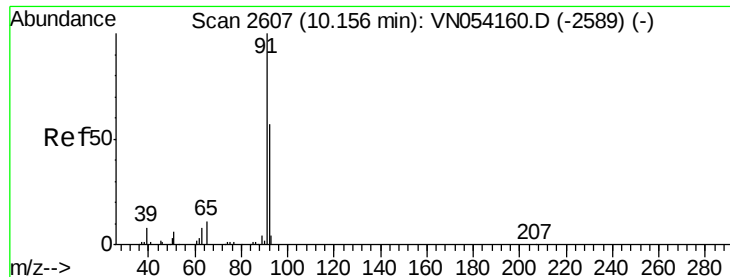
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3/15/2019 10:14:04 AM



#51
4-Methyl-2-Pentanone
Concen: 1.651 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 43 Resp: 19156
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.6





#52

Toluene

Concen: 8.164 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

Tgt Ion: 92 Resp: 321915

Ion Ratio Lower Upper

92 100

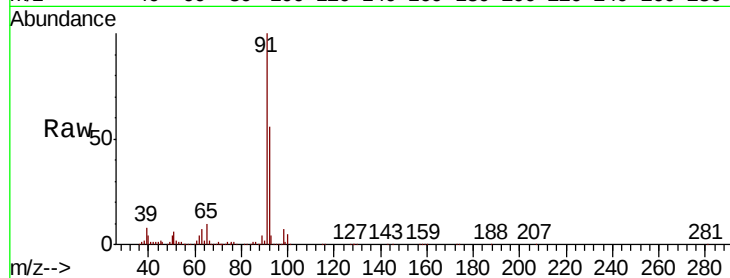
91 177.7 140.7 211.1

Manual Integrations

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MMDadoda

3/15/2019 10:14:04 AM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

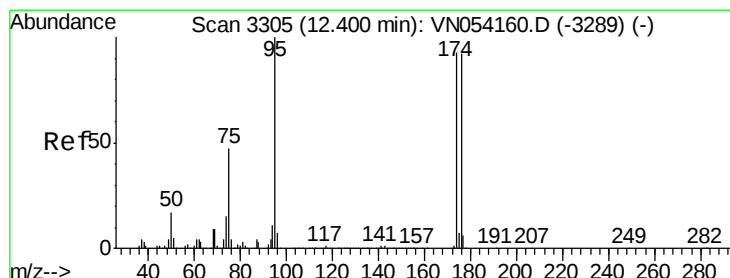
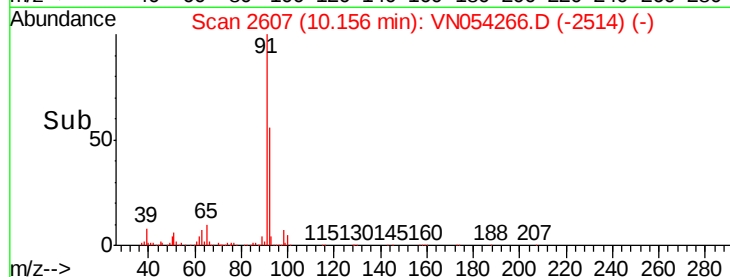
200000

100000

0

10.10 10.16 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 64.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

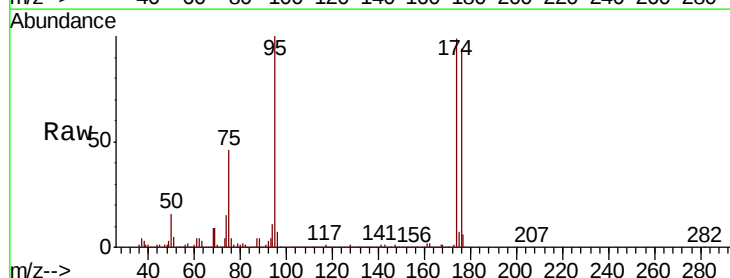
Tgt Ion: 95 Resp: 1265270

Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

176 93.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1000000

800000

600000

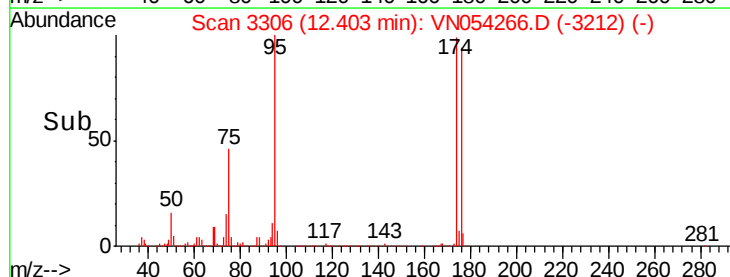
400000

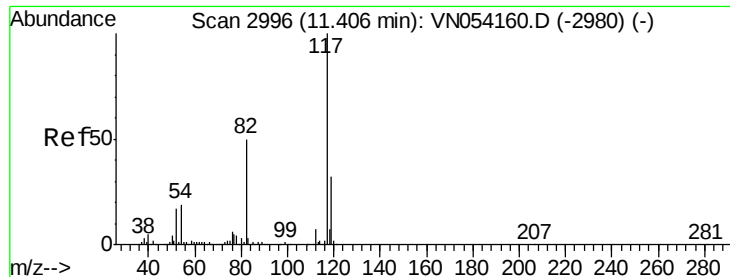
200000

0

12.30 12.40 12.50

Time-->





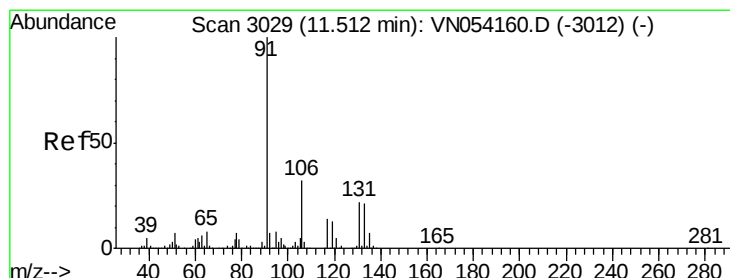
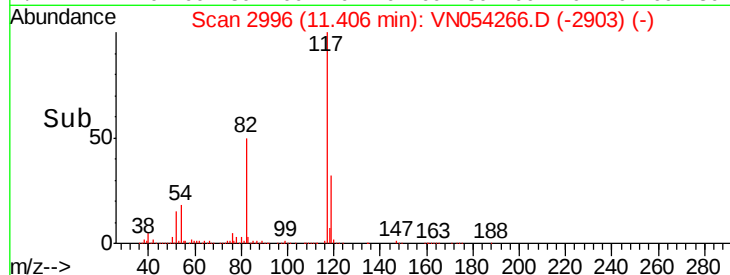
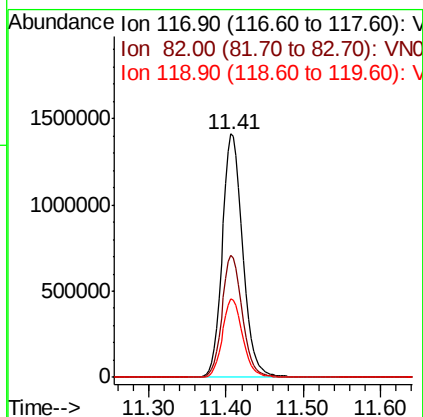
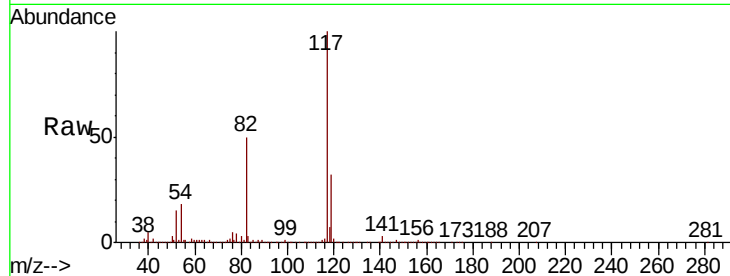
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion: 117 Resp: 2597271
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.1 25.8 38.6

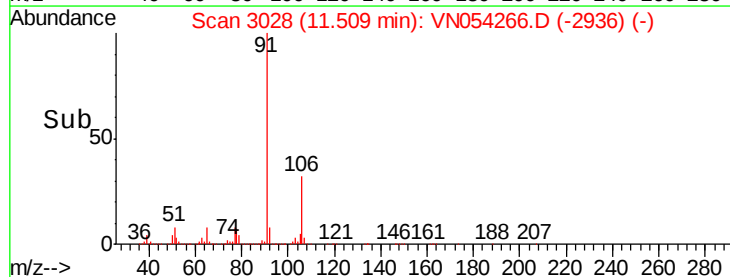
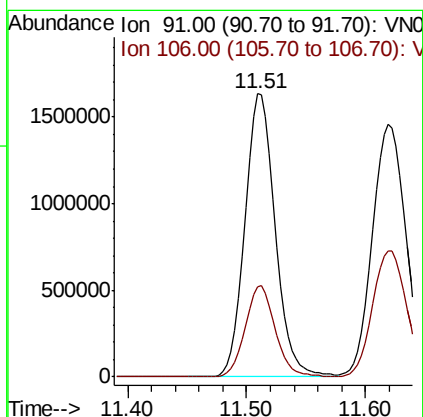
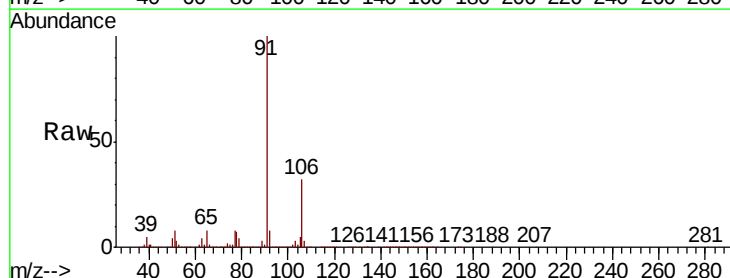
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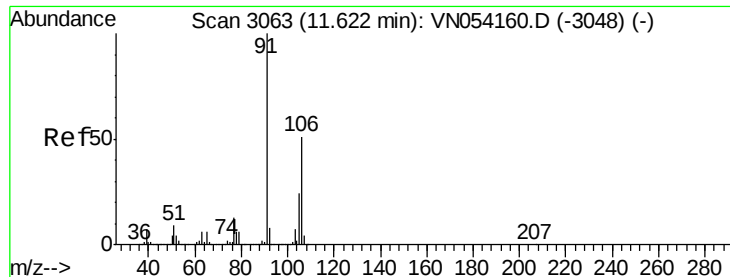
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#67
Ethyl Benzene
Concen: 30.433 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 91 Resp: 2876996
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3





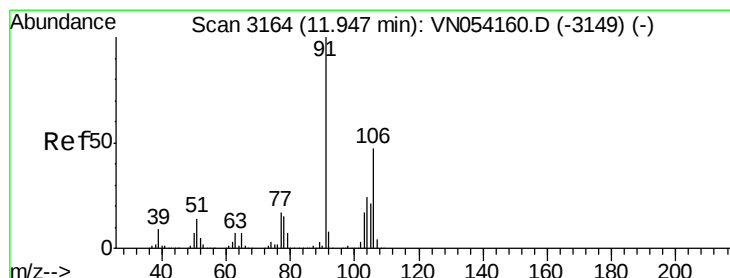
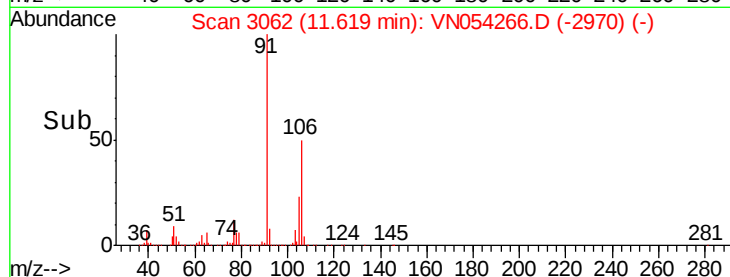
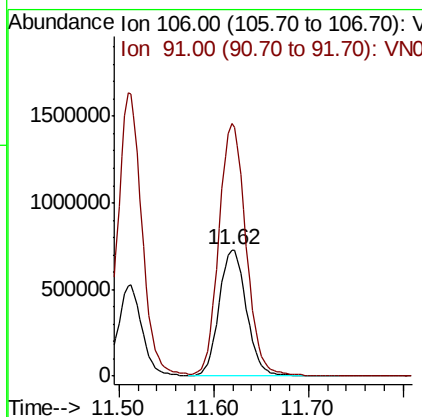
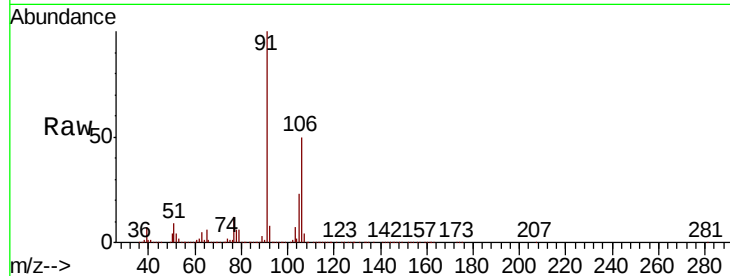
#68
m/p-Xylenes
Concen: 39.749 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion:106 Resp: 1468695
Ion Ratio Lower Upper
106 100
91 198.5 159.4 239.2

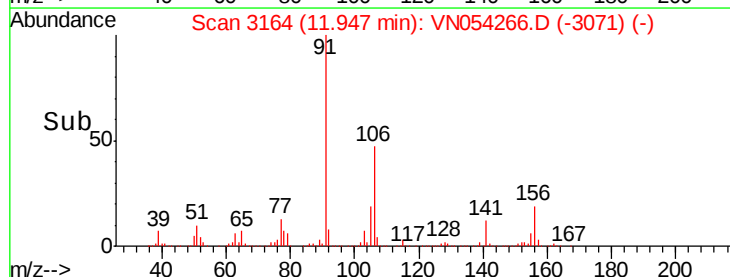
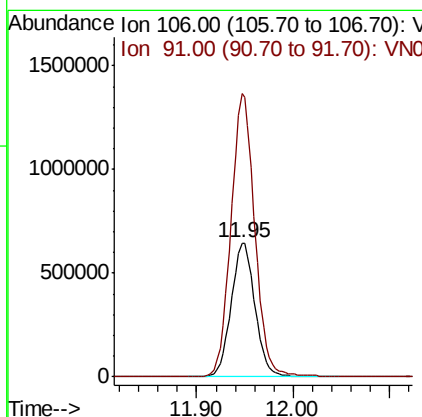
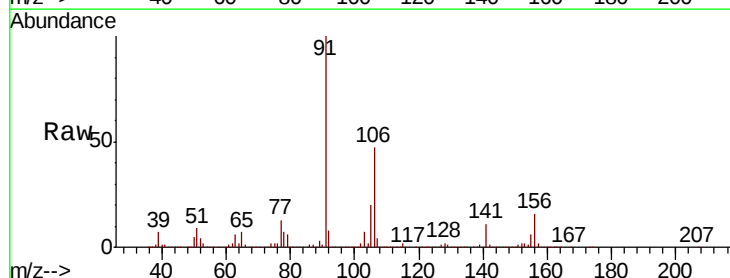
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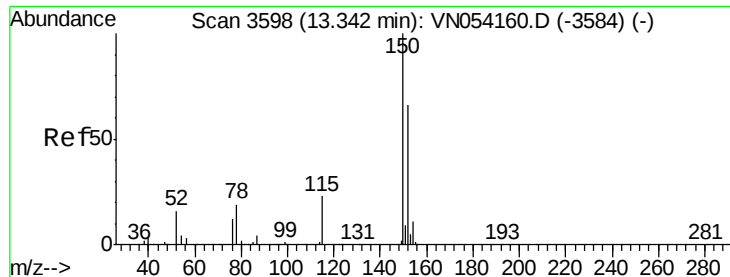
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#69
o-Xylene
Concen: 30.693 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion:106 Resp: 1105530
Ion Ratio Lower Upper
106 100
91 209.6 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

MW-4A

Tgt Ion:152 Resp: 1512894

Ion Ratio Lower Upper

152 100

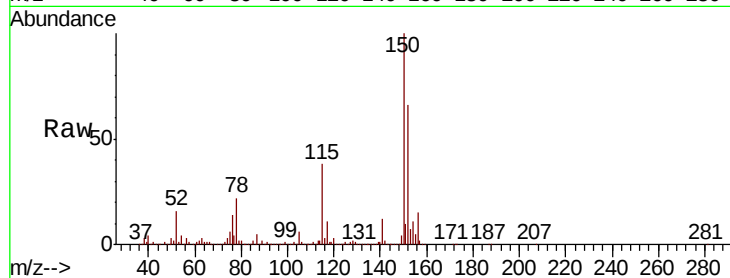
115 61.6 27.2 81.6

150 144.8 0.0 349.2

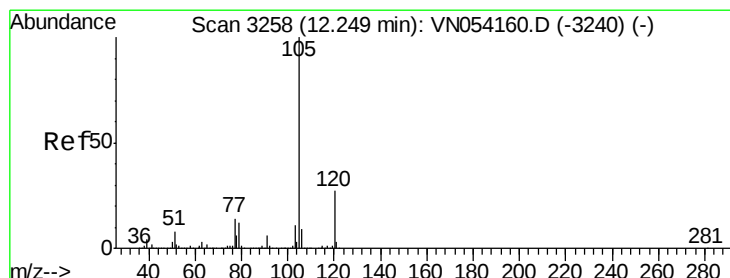
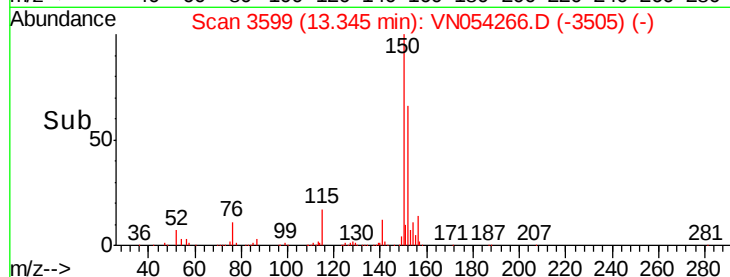
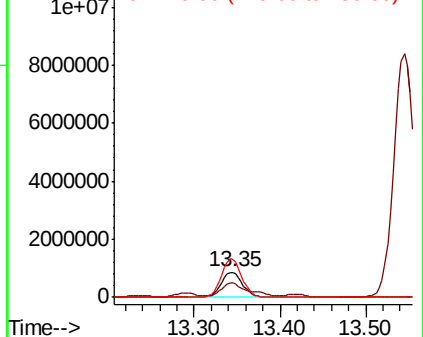
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10.758 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054266.D

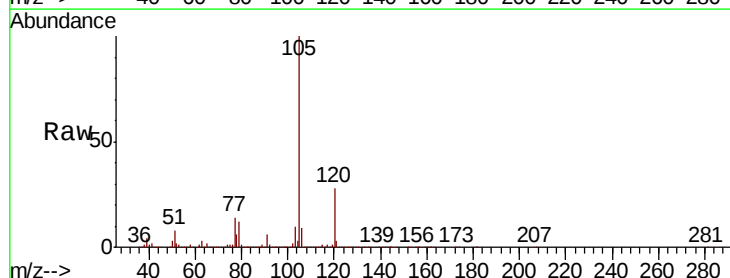
Acq: 14 Mar 2019 17:09

Tgt Ion:105 Resp: 1302157

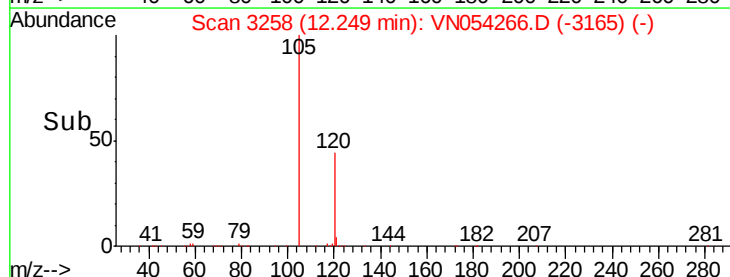
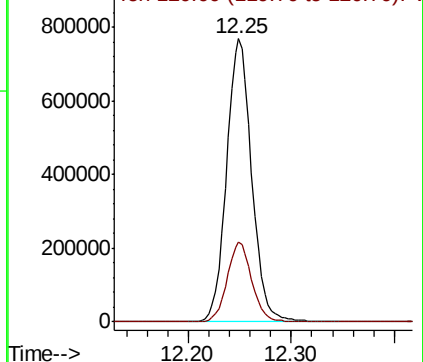
Ion Ratio Lower Upper

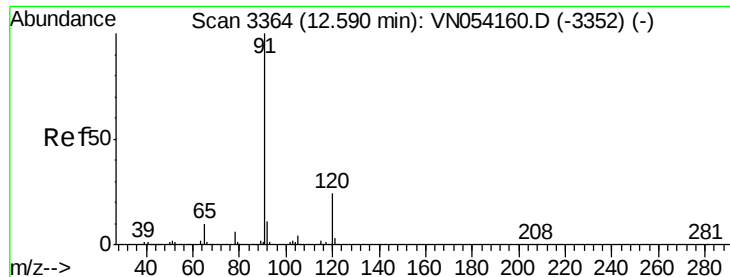
105 100

120 27.8 13.8 41.3



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





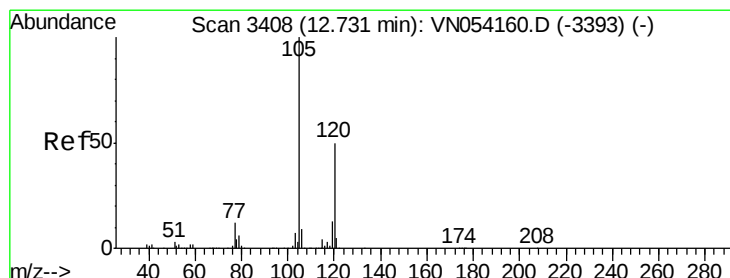
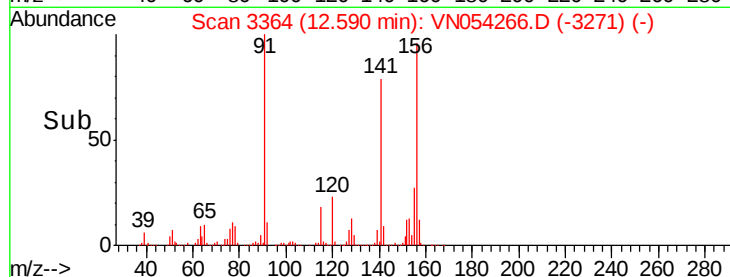
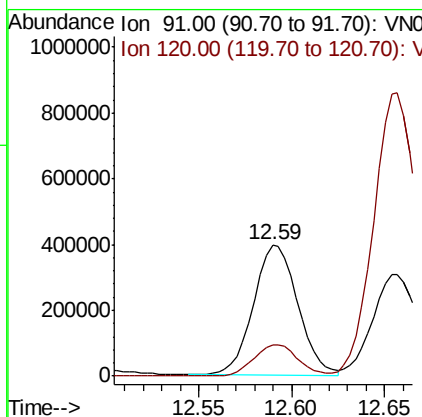
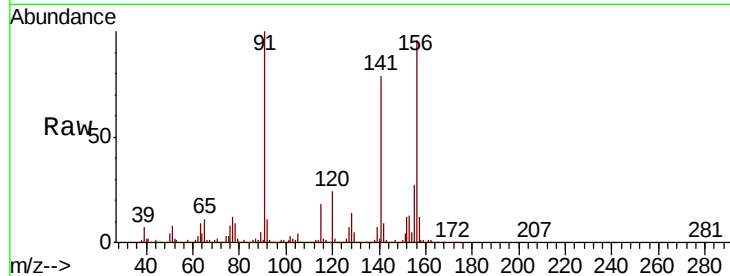
#78
n-propylbenzene
Concen: 5.034 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tgt Ion: 91 Resp: 661111
Ion Ratio Lower Upper
91 100
120 24.1 12.3 36.9

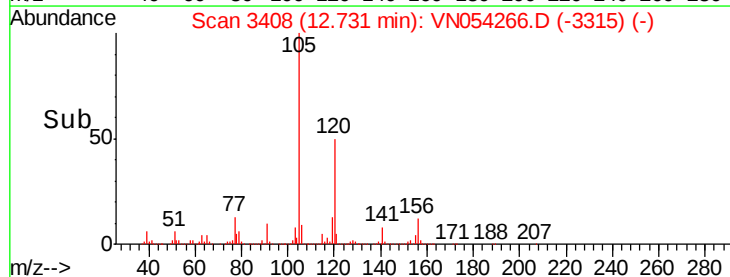
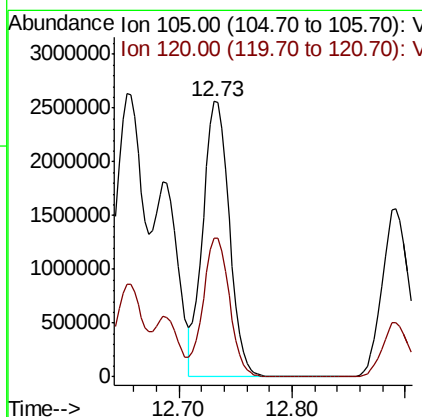
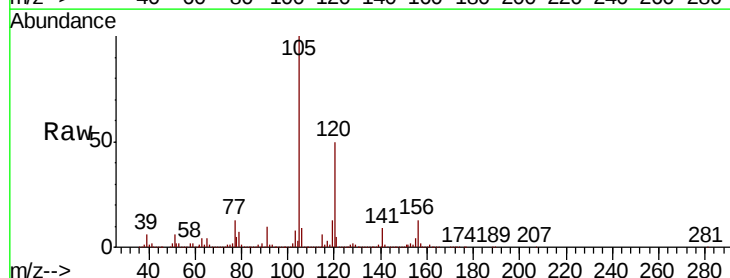
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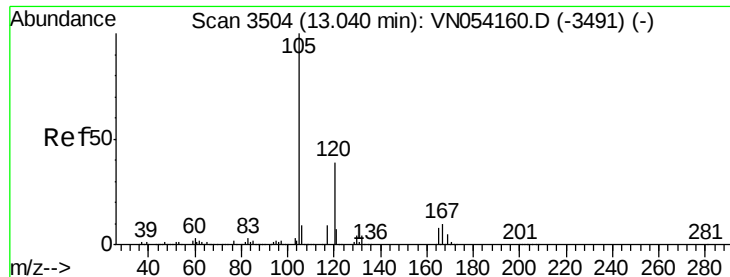
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#80
1,3,5-Trimethylbenzene
Concen: 41.140 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Tgt Ion: 105 Resp: 4142005
Ion Ratio Lower Upper
105 100
120 50.2 25.0 75.0





#84

1,2,4-Trimethylbenzene

Concen: 114.210 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

MW-4A

Tgt Ion:105 Resp:11280791

Ion Ratio Lower Upper

105 100

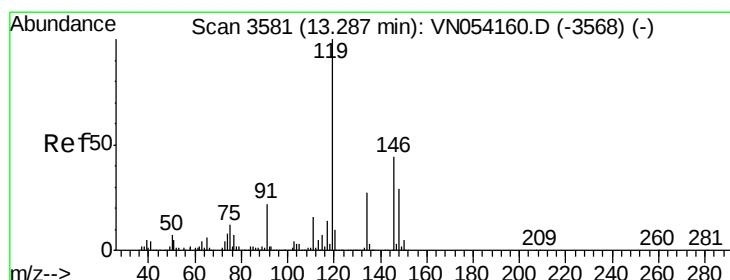
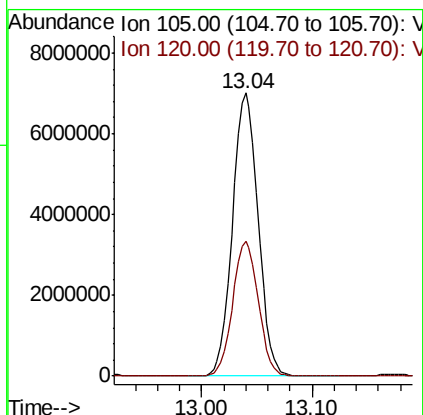
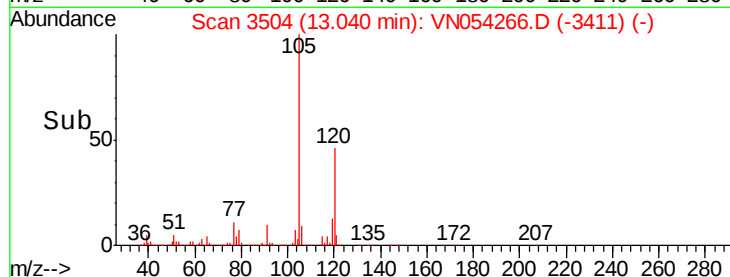
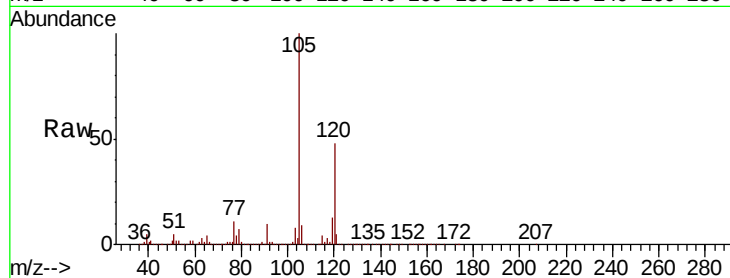
120 47.6 23.4 70.3

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#86

p-Isopropyltoluene

Concen: 29.200 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

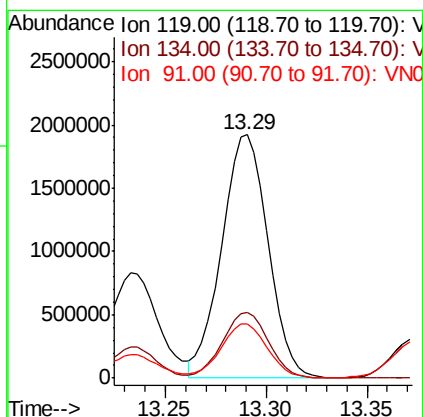
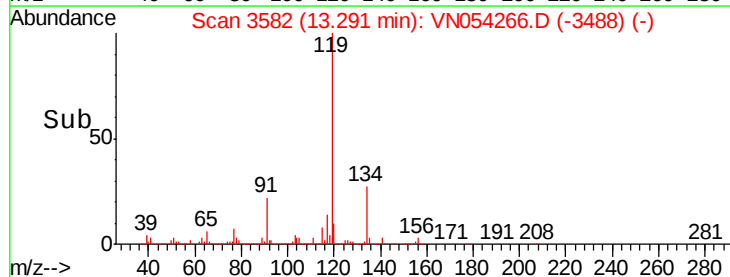
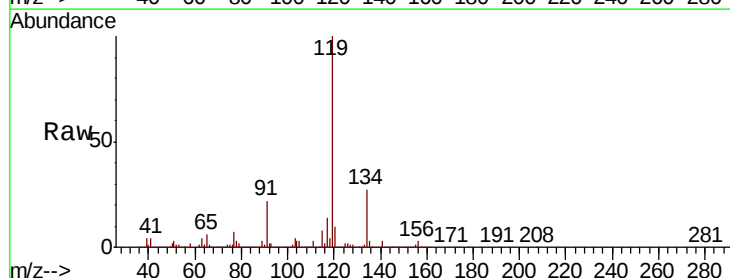
Tgt Ion:119 Resp: 3078676

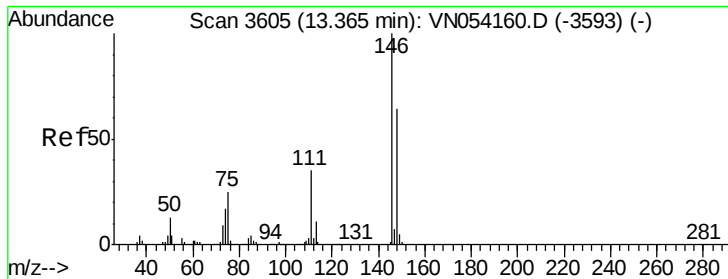
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 22.1 11.1 33.3





#88

1,4-Dichlorobenzene

Concen: 0.708 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Instrument :

MSVOA_N

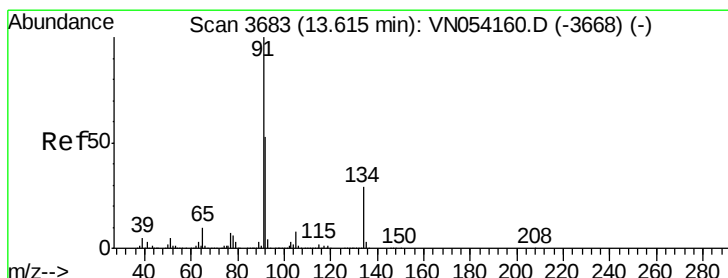
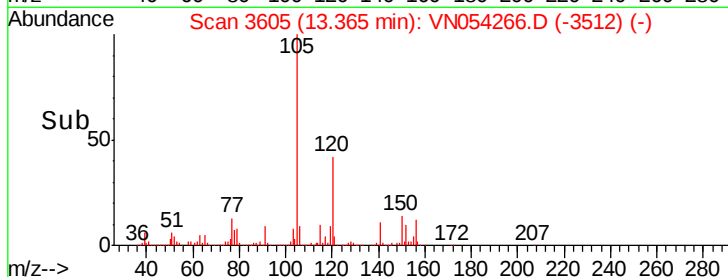
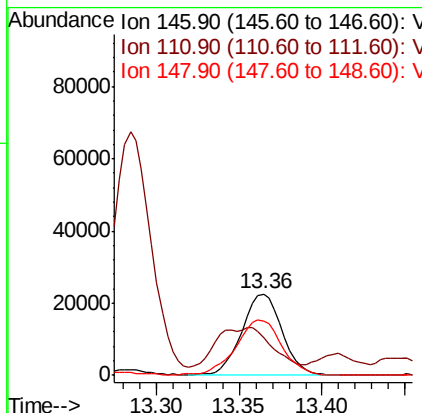
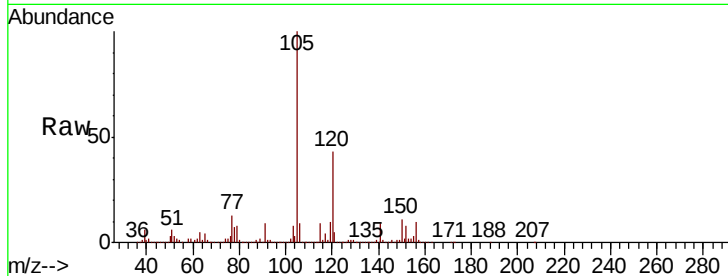
ClientSampled :

MW-4A

Tgt Ion	Ratio	Lower	Upper
146	100		
111	81.0	18.1	54.1#
148	77.1	32.0	96.0

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#89

n-Butylbenzene

Concen: 1.517 ug/l m

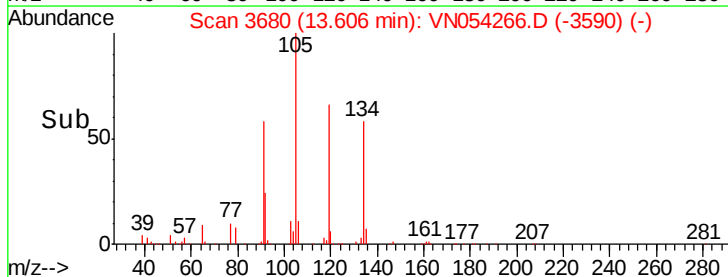
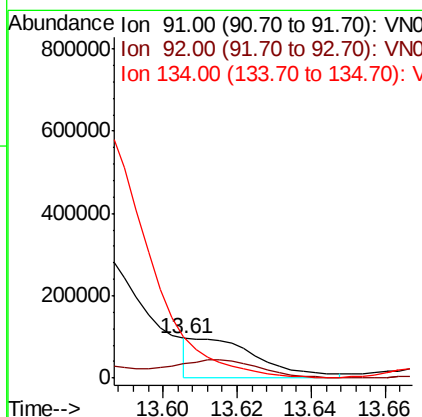
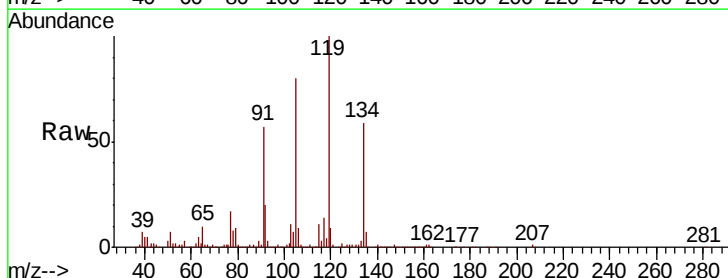
RT: 13.61 min Scan# 3680

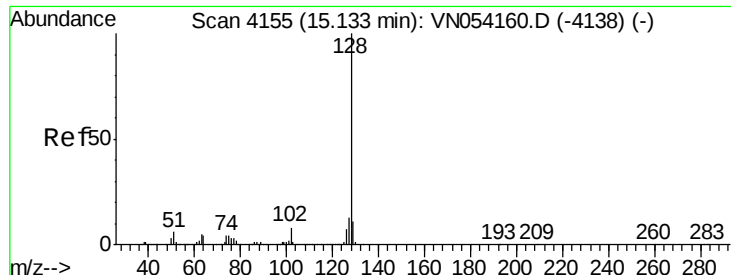
Delta R.T. -0.01 min

Lab File: VN054266.D

Acq: 14 Mar 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	575.5	26.2	78.6#
134	0.0	14.3	42.9#





#95
Naphthalene
Concen: 444.055 ug/l m
RT: 15.11 min Scan# 4148
Delta R.T. -0.02 min
Lab File: VN054266.D
Acq: 14 Mar 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-4A

Tgt Ion:128 Resp:31415449
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.7 13.1#

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