

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053605.D
 Acq On : 4 Feb 2019 19:04
 Operator : JC/SP
 Sample : K1359-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

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 2/5/2019 9:54:27 AM

Quant Time: Feb 05 03:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	846430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1328351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1200142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	545339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424789	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	414703	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1588543	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	552872	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.78	59	166869	332.053	ug/l	99
16) Acetone	3.82	43	434022m	199.271	ug/l	
18) Methyl Acetate	4.33	43	584213m	90.571	ug/l	
20) Methylene Chloride	4.56	84	9532	1.043	ug/l	97
25) 2-Butanone	6.84	43	255842	82.360	ug/l	98
29) Tetrahydrofuran	7.19	42	4628	2.320	ug/l #	65
40) Benzene	8.04	78	246255	6.669	ug/l	100
43) Isopropyl Acetate	8.17	43	182856	14.158	ug/l #	89
52) Toluene	10.16	92	137330	6.266	ug/l	99
67) Ethyl Benzene	11.51	91	53421	1.276	ug/l	98
68) m/p-Xylenes	11.62	106	83468	5.222	ug/l	98
69) o-Xylene	11.95	106	39612	2.565	ug/l	98
70) Styrene	11.97	104	49514	1.978	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	77882	2.405	ug/l	99
95) Naphthalene	15.13	128	603052	26.036	ug/l	100

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

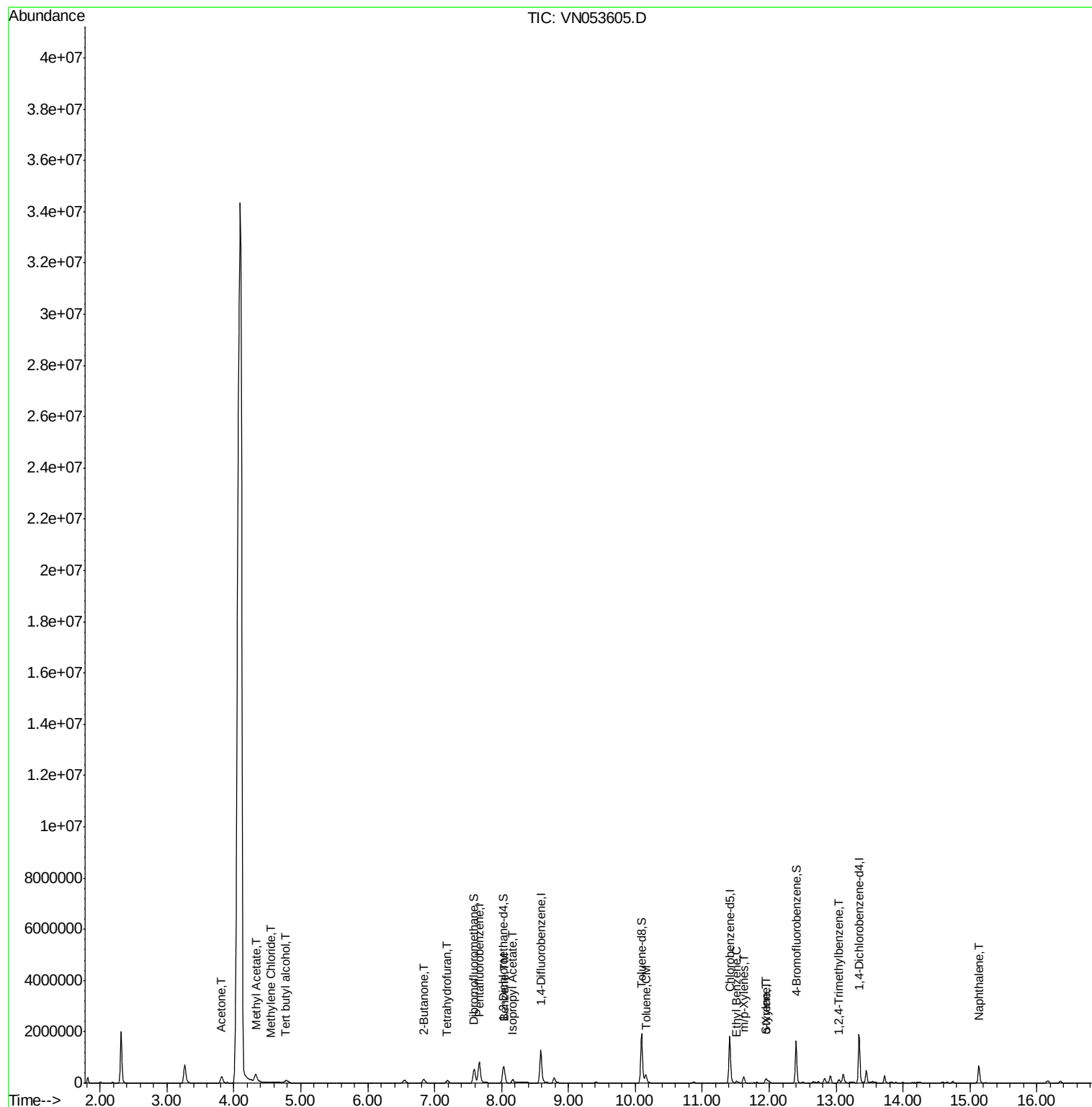
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020419\
Data File : VN053605.D
Acq On : 4 Feb 2019 19:04
Operator : JC/SP
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ALS Vial : 21 Sample Multiplier: 28

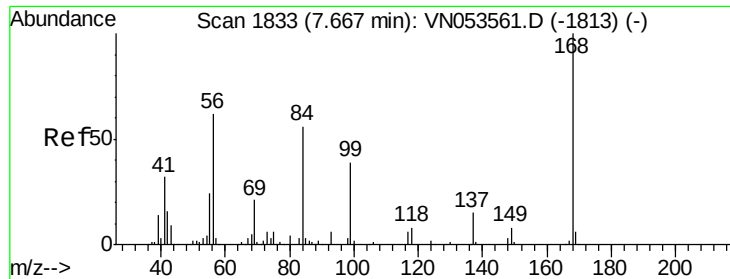
Instrument :
MSVOA_N
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COMP-2

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Quant Time: Feb 05 03:24:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053605.D

Acq: 4 Feb 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

COMP-2

Tot Ion:168 Resp: 846430

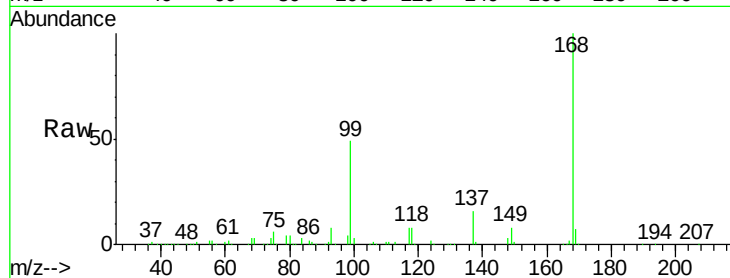
Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7

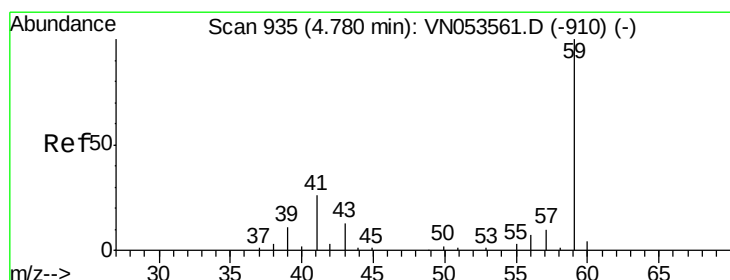
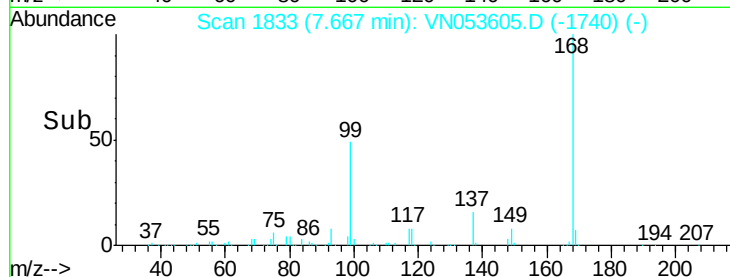
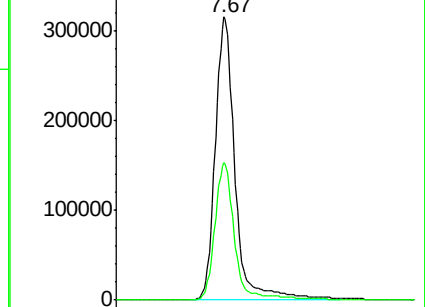
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 332.053 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN053605.D

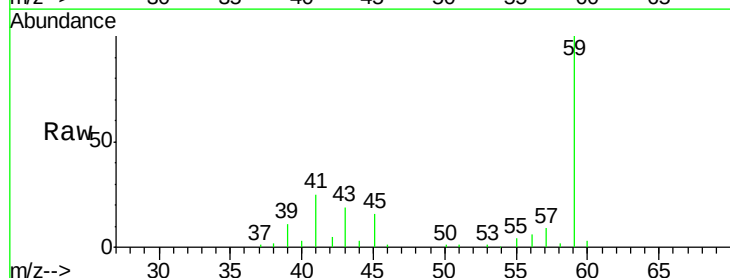
Acq: 4 Feb 2019 19:04

Tgt Ion: 59 Resp: 166869

Ion Ratio Lower Upper

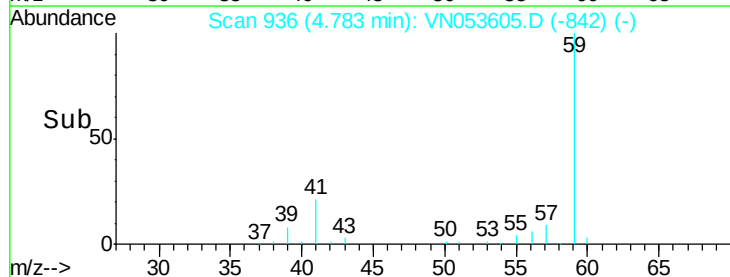
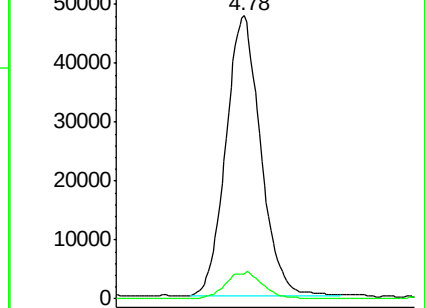
59 100

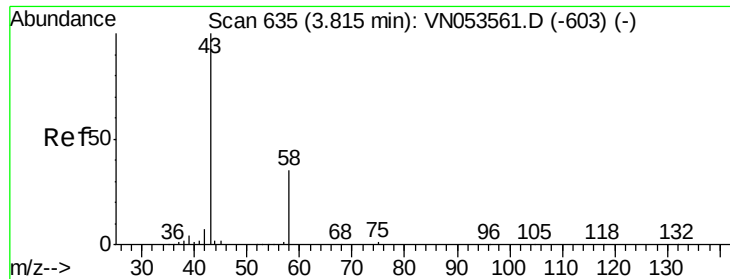
57 10.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 199.271 ug/l m

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053605.D

Acq: 4 Feb 2019 19:04

Tot Ion: 43 Resp: 434022

Ion Ratio Lower Upper

43 100

58 35.1 27.1 40.7

Instrument :

MSVOA_N

ClientSampleId :

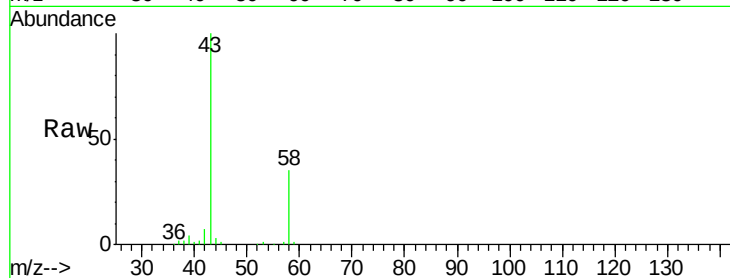
COMP-2

Manual Integrations

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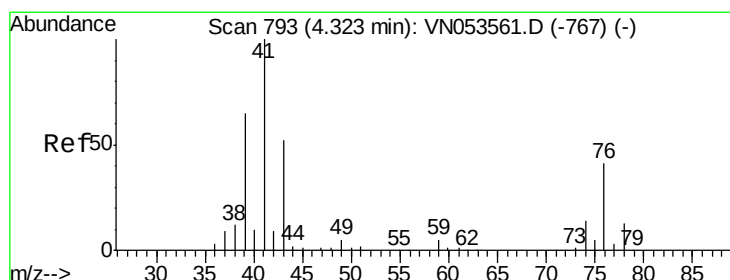
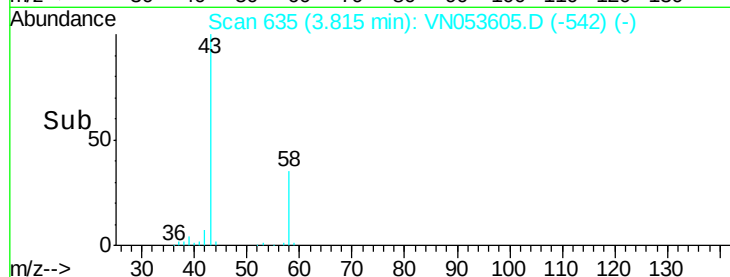
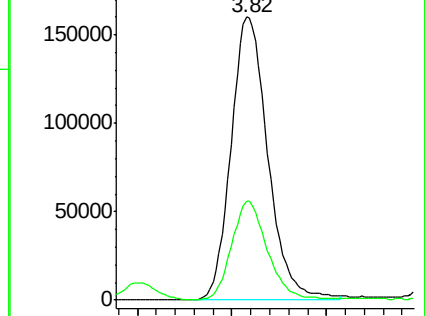
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 90.571 ug/l m

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053605.D

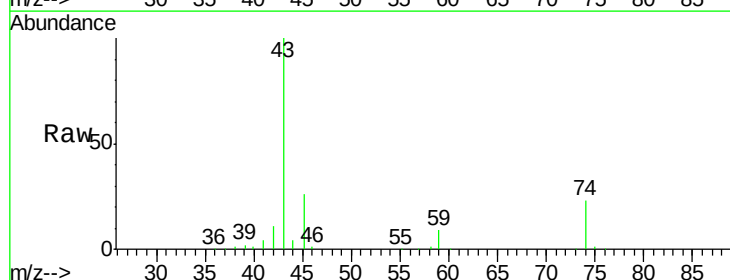
Acq: 4 Feb 2019 19:04

Tgt Ion: 43 Resp: 584213

Ion Ratio Lower Upper

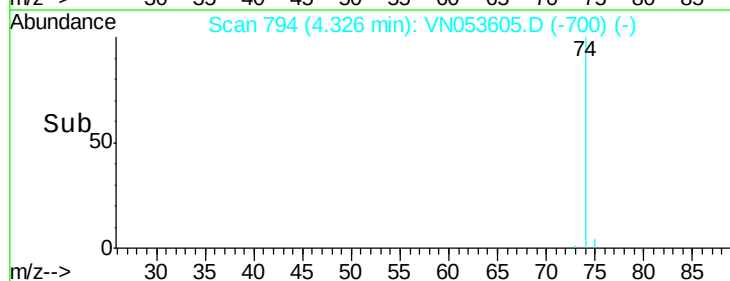
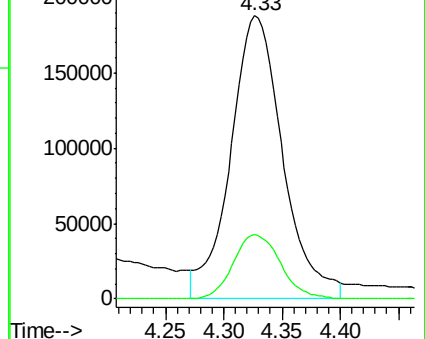
43 100

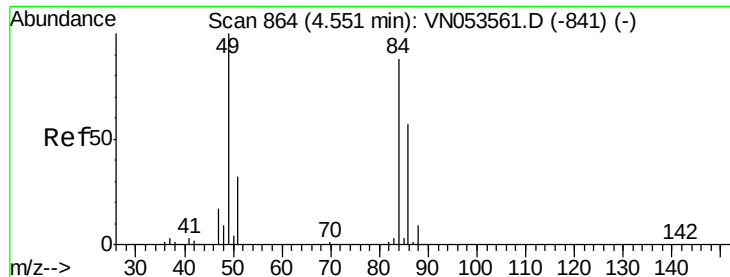
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





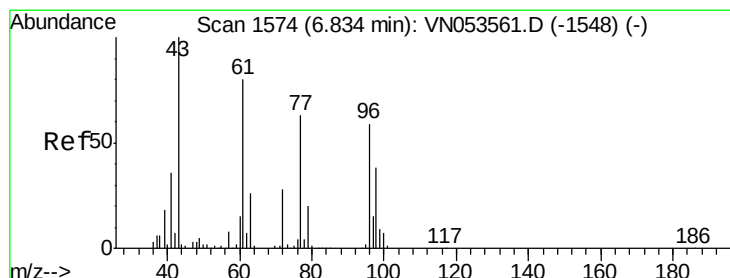
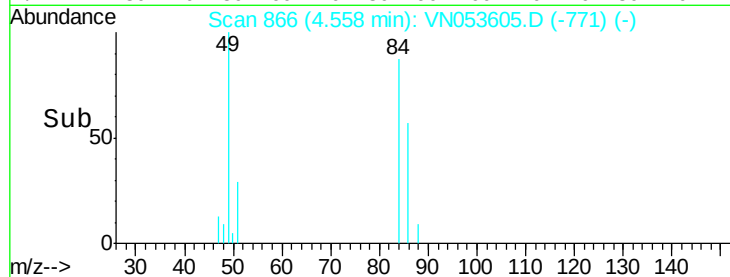
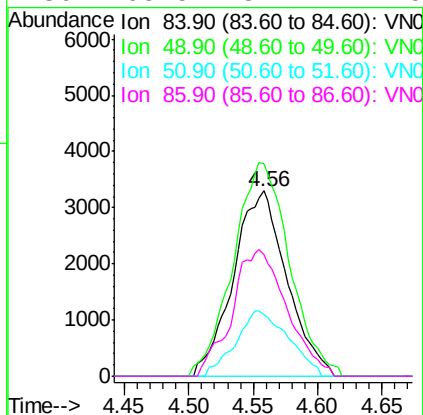
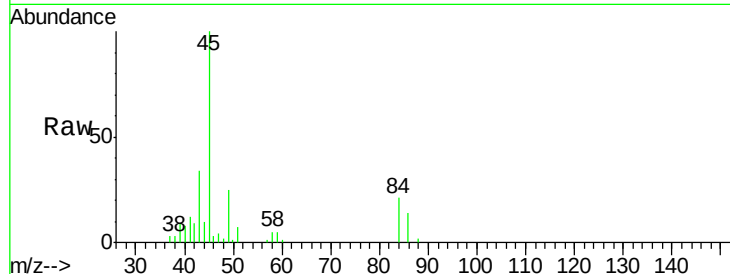
#20
Methvlene Chloride
Concen: 1.043 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion:	84	Resp:	9532
Ion	Ratio	Lower	Upper
84	100		
49	114.7	94.3	141.5
51	33.3	29.4	44.2
86	65.5	51.4	77.0

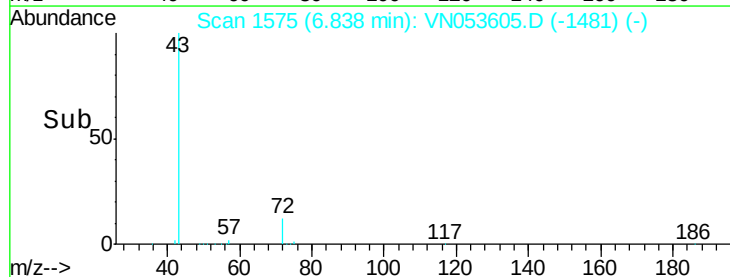
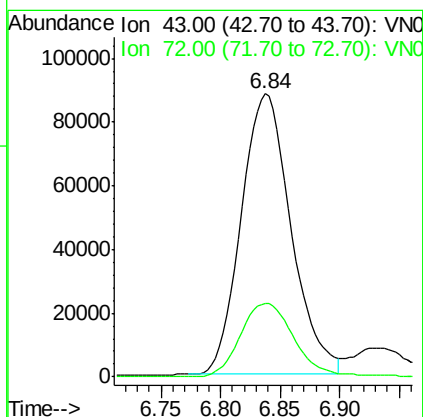
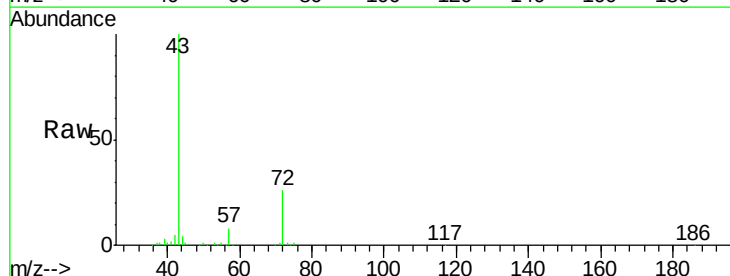
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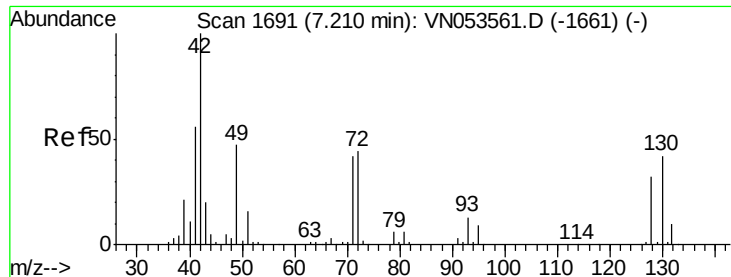
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#25
2-Butanone
Concen: 82.360 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion:	43	Resp:	255842
Ion	Ratio	Lower	Upper
43	100		
72	26.4	22.0	33.0





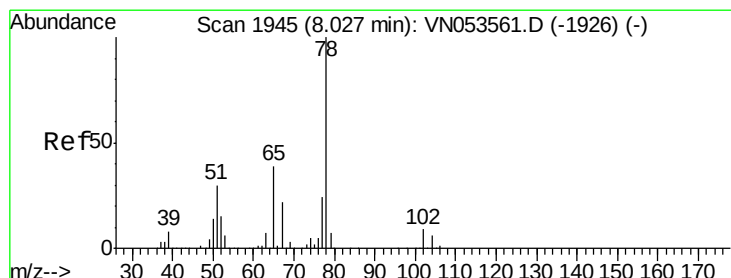
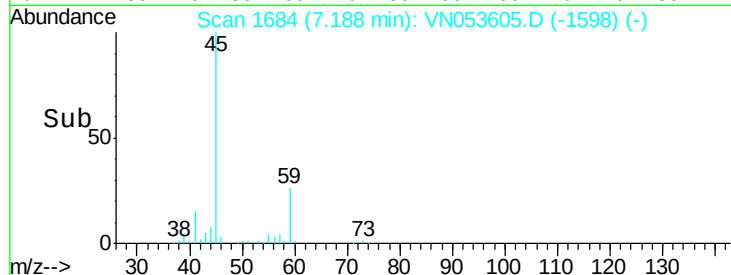
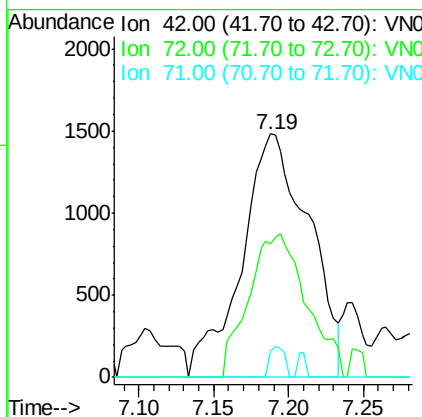
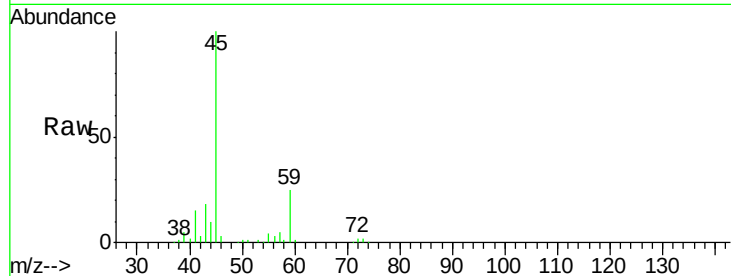
#29
Tetrahydrofuran
Concen: 2.320 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	35.2	52.8
71	2.8	33.0	49.4

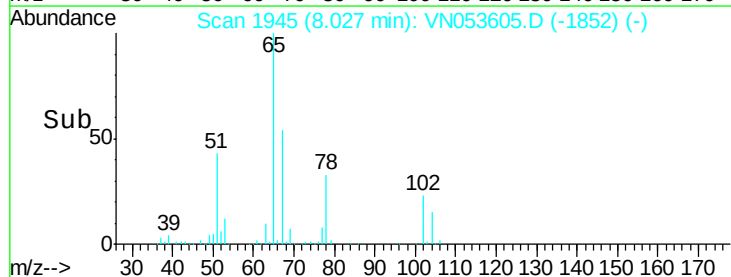
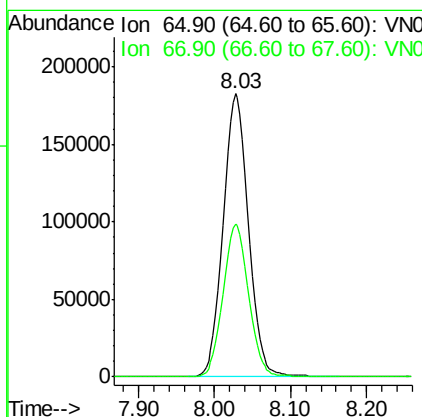
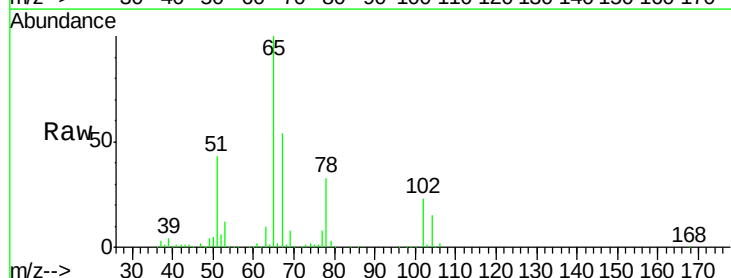
Manual Integrations
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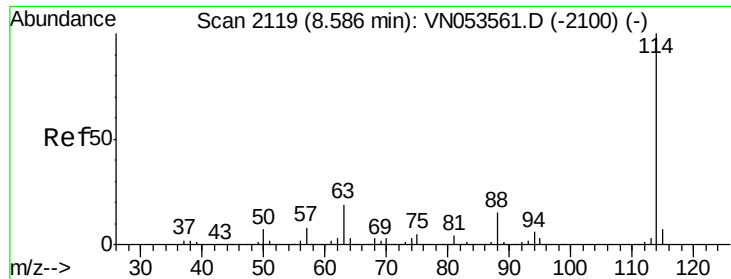
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053605.D

Acq: 4 Feb 2019 19:04

Instrument :

MSVOA_N

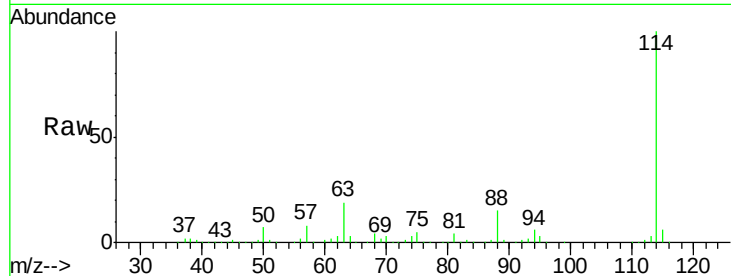
ClientSampleId :

COMP-2

Tot Ion:	114	Resp:	1328351
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	15.4	0.0	30.4

Manual Integrations
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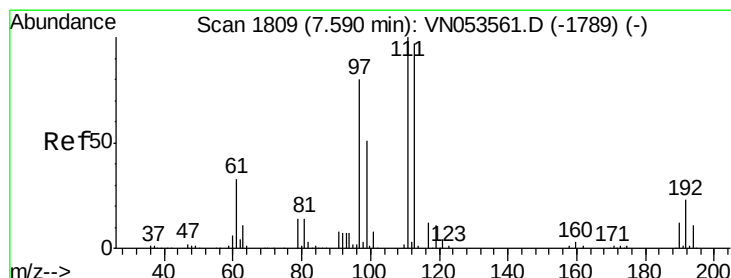
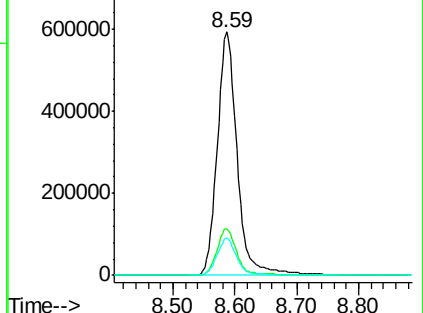
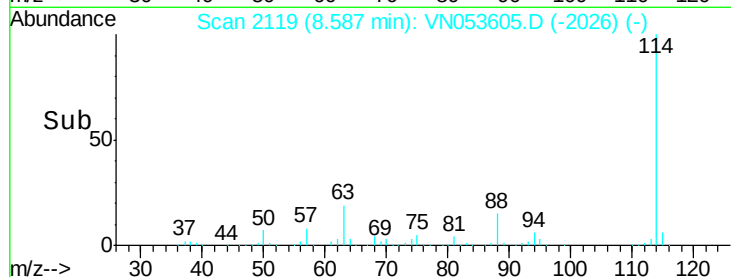
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

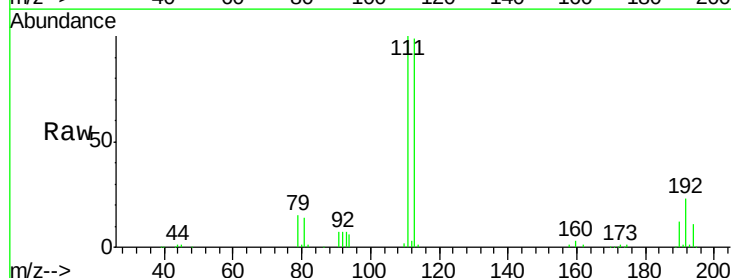
RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053605.D

Acq: 4 Feb 2019 19:04

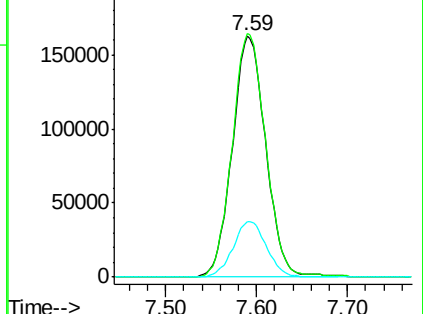
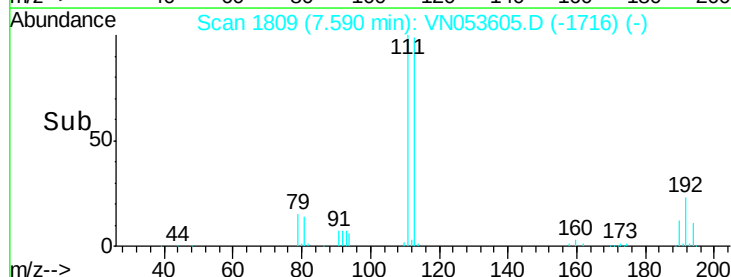
Tgt Ion:	113	Resp:	414703
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.1	121.7
192	23.0	18.2	27.2

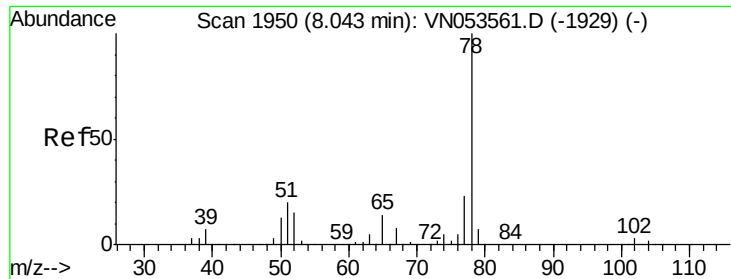


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





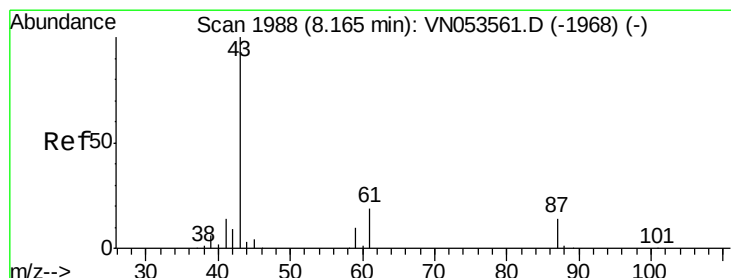
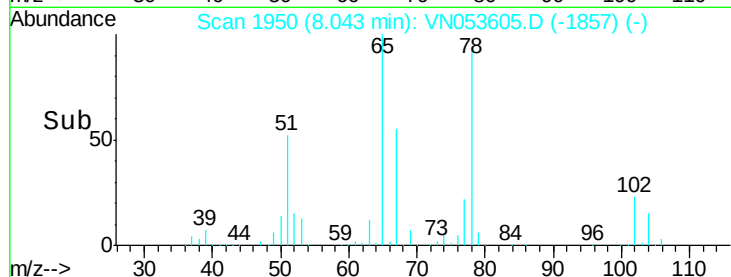
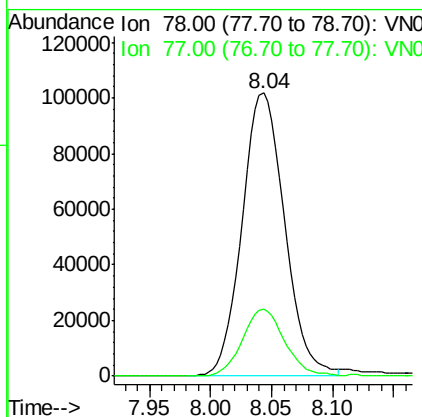
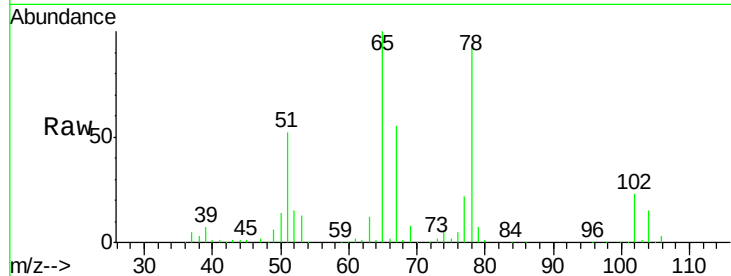
#40
Benzene
Concen: 6.669 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

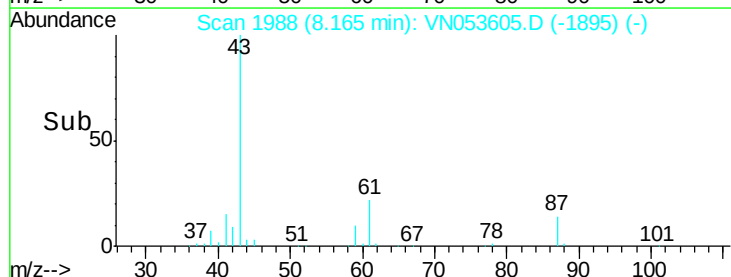
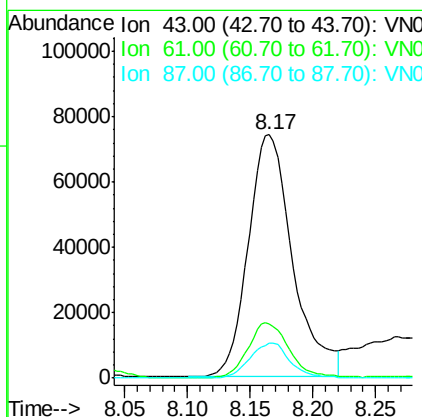
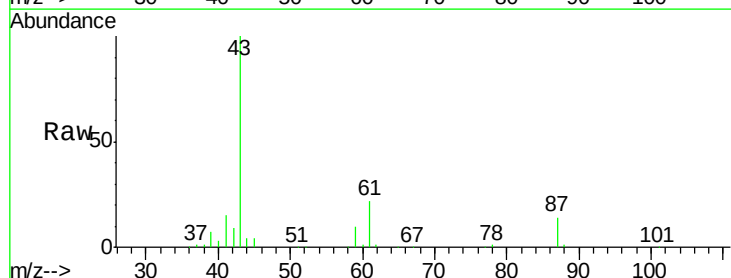
Manual Integrations
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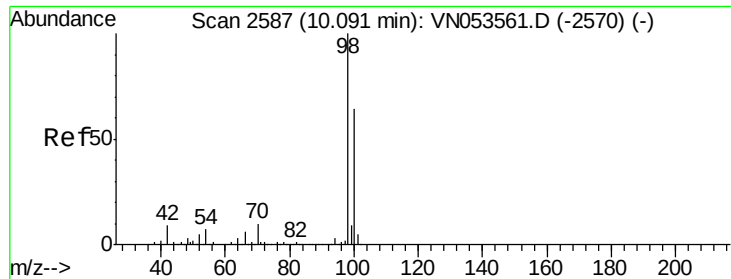
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2/5/2019 9:54:27 AM



#43
Isopropyl Acetate
Concen: 14.158 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.4	23.9	35.9#
87	13.2	11.0	16.6





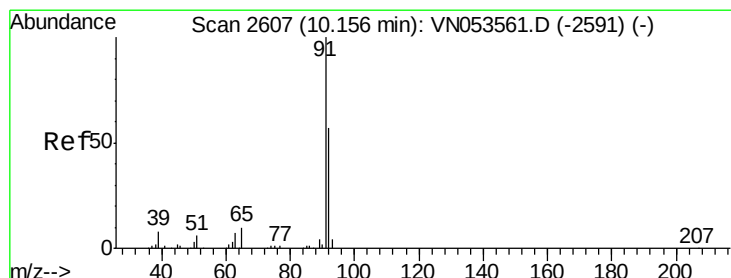
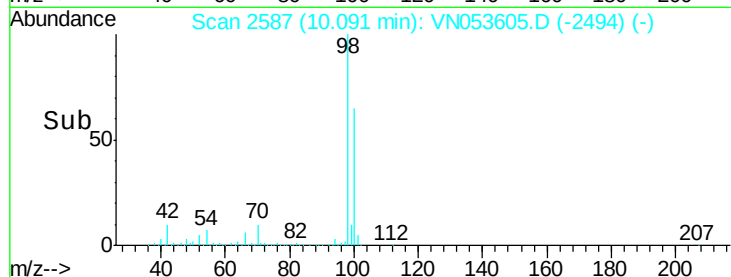
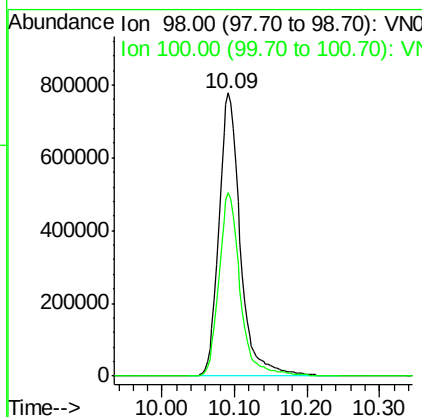
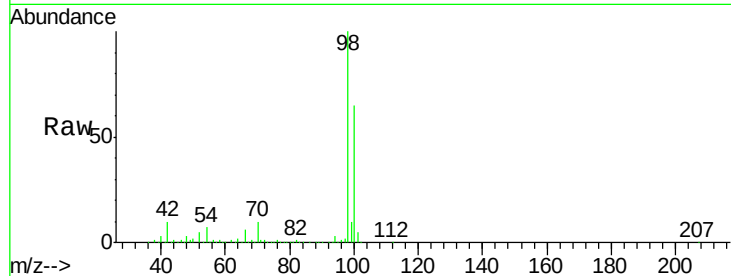
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tot Ion: 98 Resp: 1588543
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

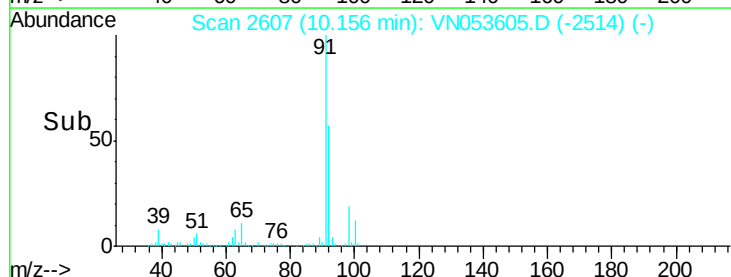
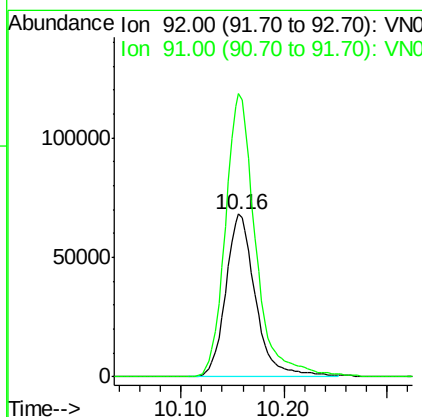
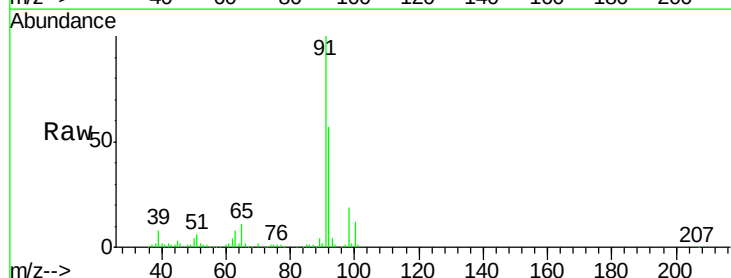
Manual Integrations
APPROVED

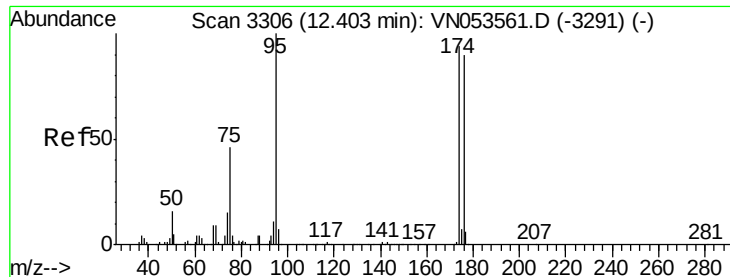
MMDadoda
2/5/2019 9:54:27 AM



#52
Toluene
Concen: 6.266 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion: 92 Resp: 137330
Ion Ratio Lower Upper
92 100
91 176.6 139.9 209.9





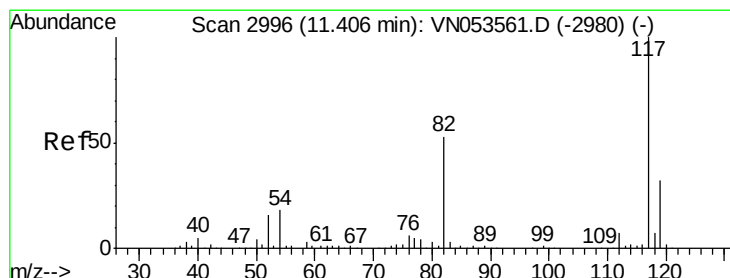
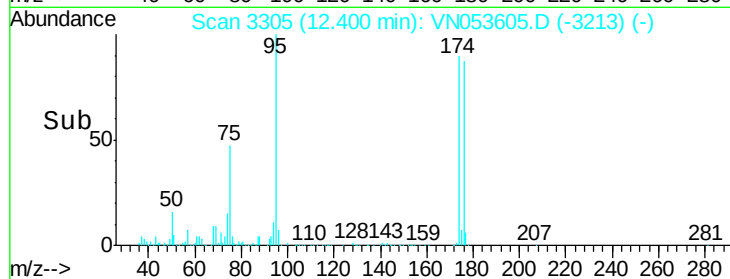
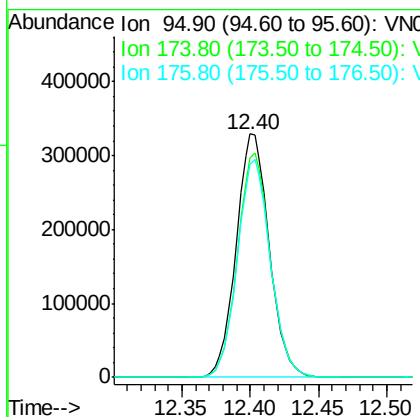
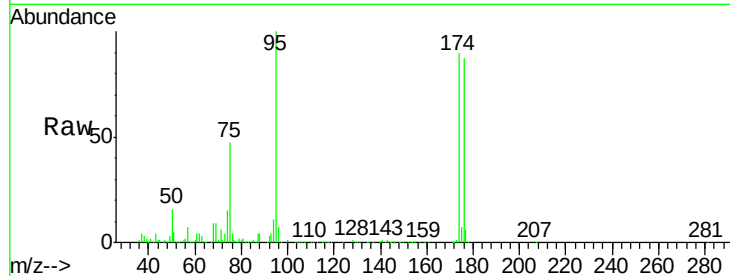
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	183.2
176	89.4	0.0	177.4

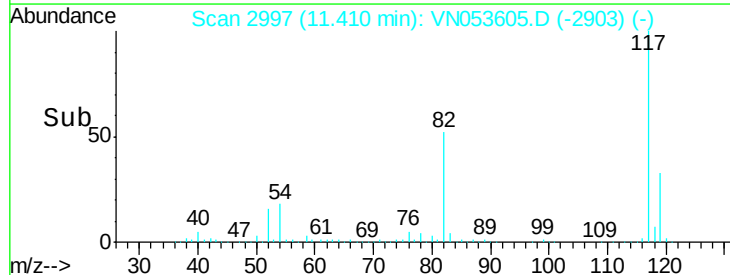
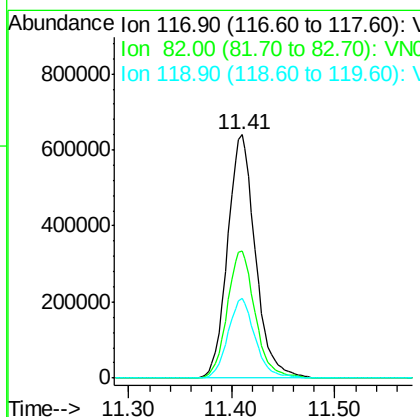
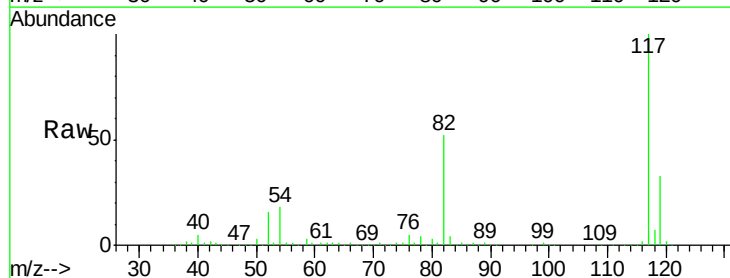
Manual Integrations
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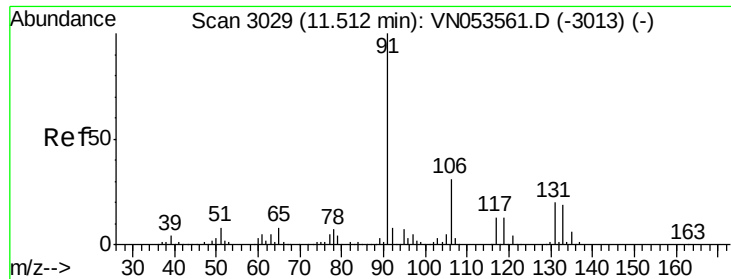
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2/5/2019 9:54:27 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.9	64.3
119	32.6	26.0	39.0





#67

Ethyl Benzene

Concen: 1.276 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053605.D

Acq: 4 Feb 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

COMP-2

Tot Ion: 91 Resp: 53421

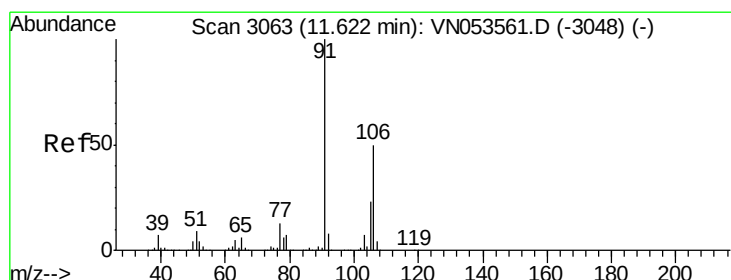
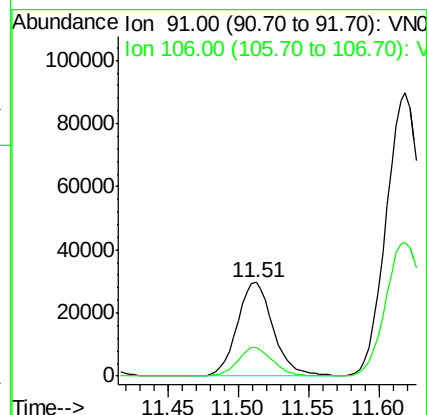
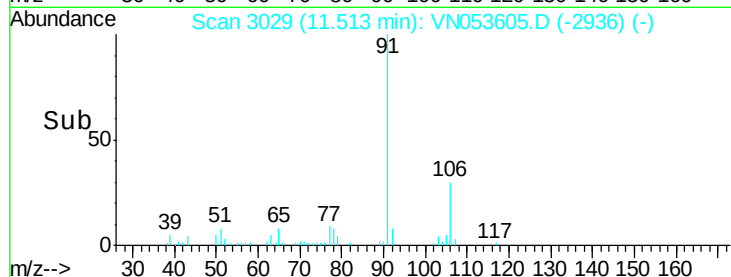
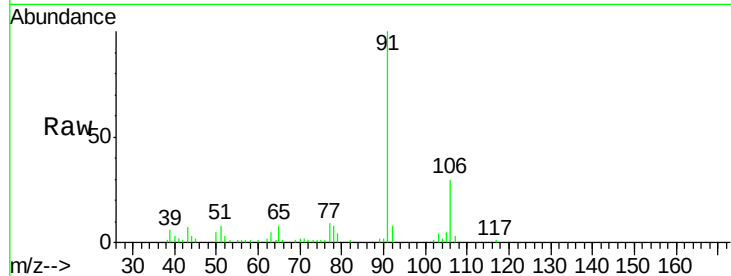
Ion Ratio Lower Upper

91 100

106 30.1 25.0 37.6

Manual Integrations
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2/5/2019 9:54:27 AM



#68

m/p-Xylenes

Concen: 5.222 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053605.D

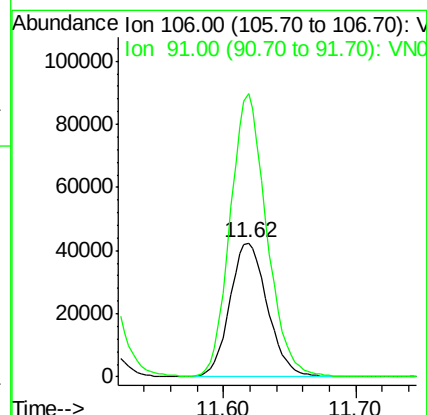
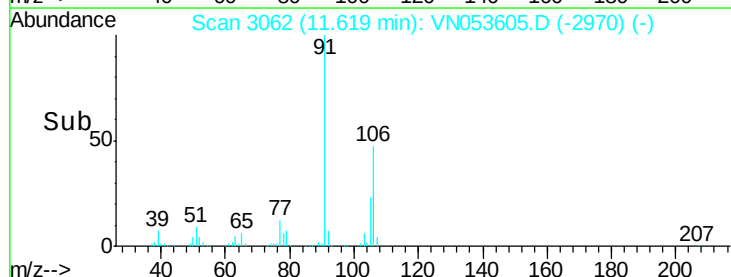
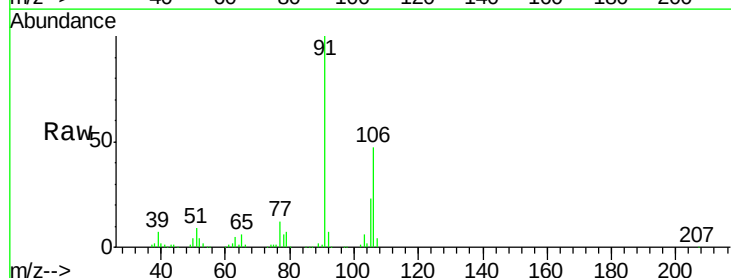
Acq: 4 Feb 2019 19:04

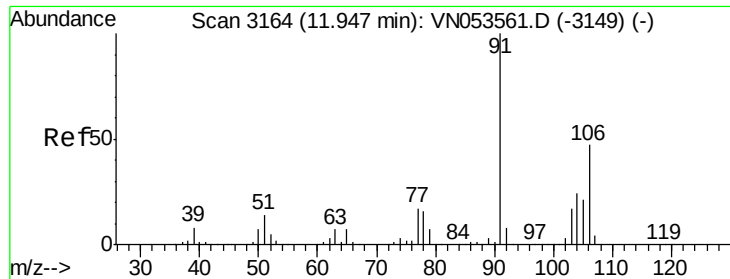
Tgt Ion: 106 Resp: 83468

Ion Ratio Lower Upper

106 100

91 205.1 161.4 242.2





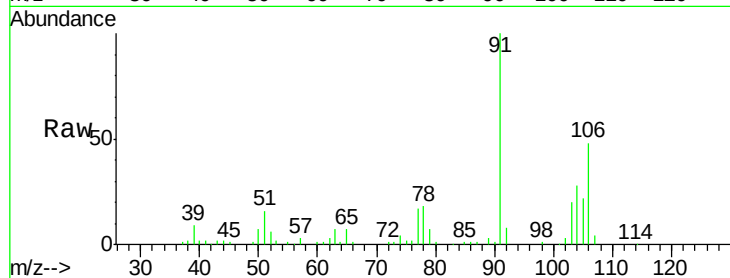
#69
o-Xylene
Concen: 2.565 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
COMP-2

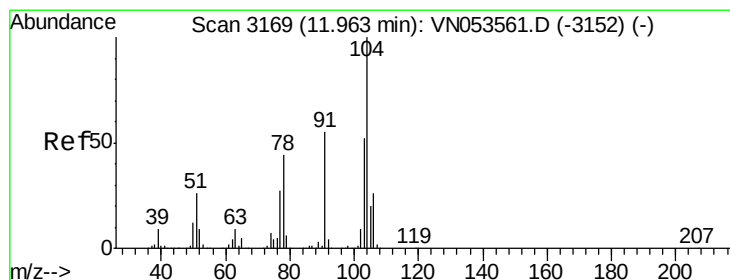
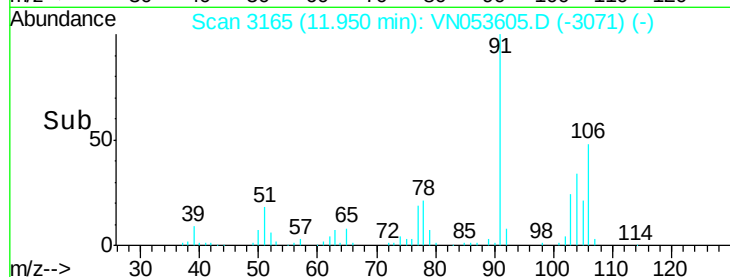
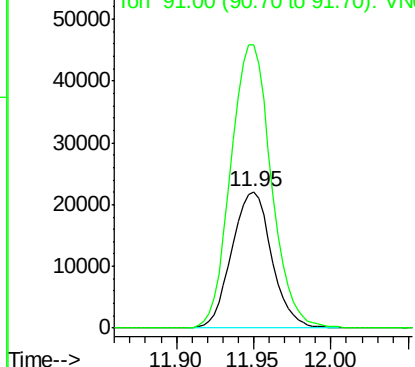
Tot Ion:106 Resp: 39612
Ion Ratio Lower Upper
106 100
91 210.7 106.9 320.8

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2/5/2019 9:54:27 AM

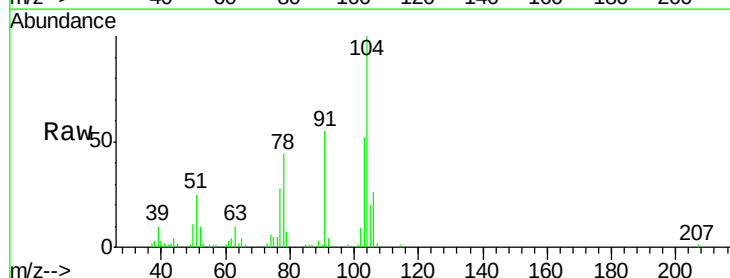


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

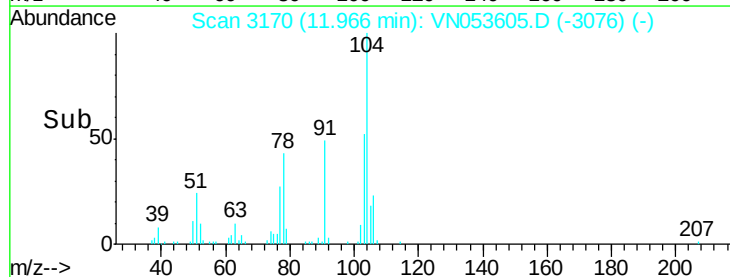
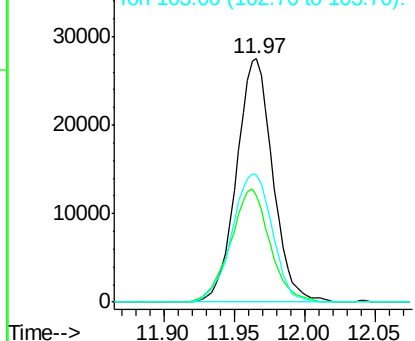


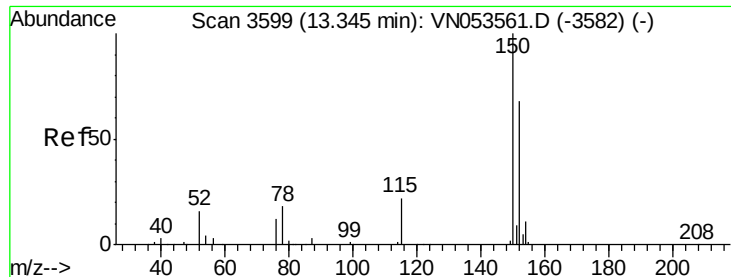
#70
Styrene
Concen: 1.978 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Tgt Ion:104 Resp: 49514
Ion Ratio Lower Upper
104 100
78 50.4 38.2 57.2
103 58.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053605.D

Acq: 4 Feb 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

Tot Ion:152 Resp: 545339

Ion Ratio Lower Upper

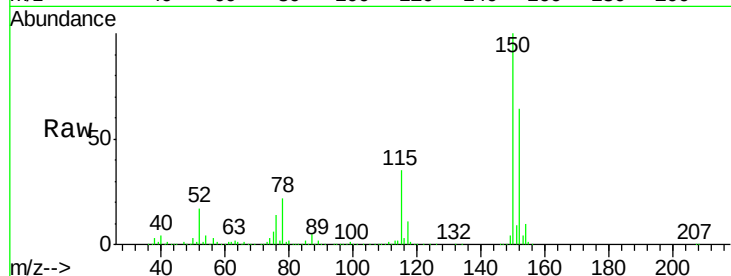
152 100

115 55.2 27.8 83.4

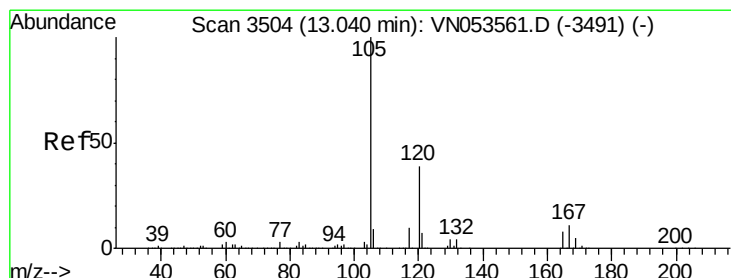
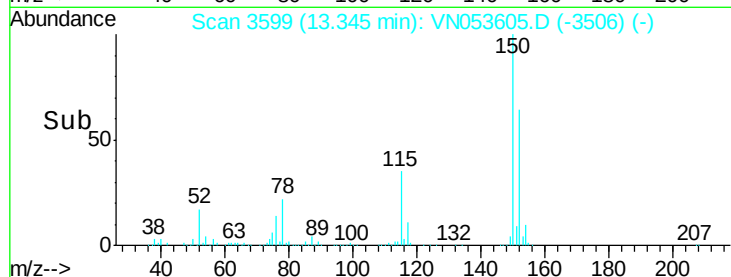
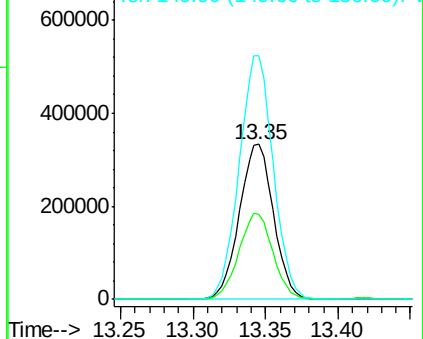
150 157.0 0.0 349.0

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2/5/2019 9:54:27 AM



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



#84

1,2,4-Trimethylbenzene

Concen: 2.405 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053605.D

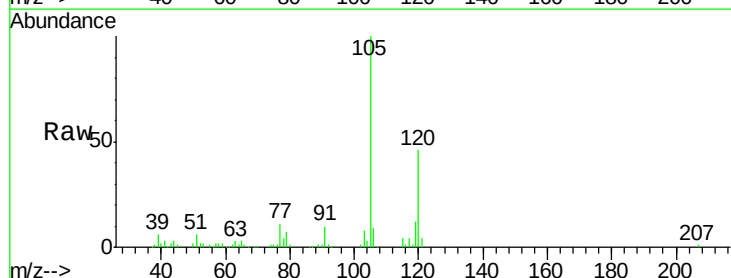
Acq: 4 Feb 2019 19:04

Tgt Ion:105 Resp: 77882

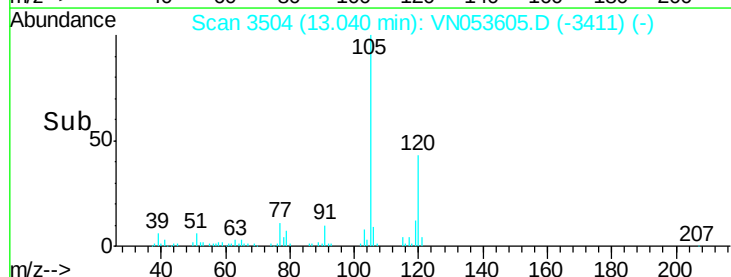
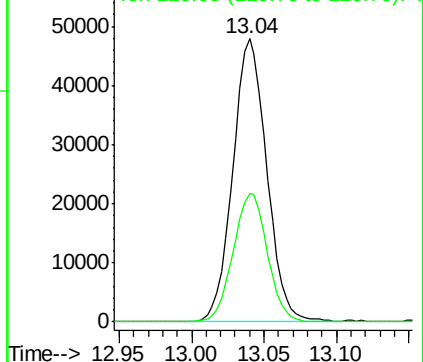
Ion Ratio Lower Upper

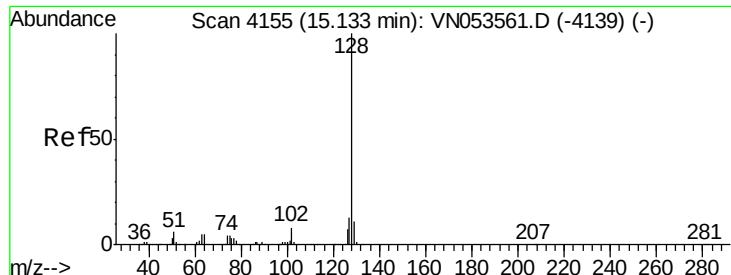
105 100

120 45.5 23.0 69.0



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





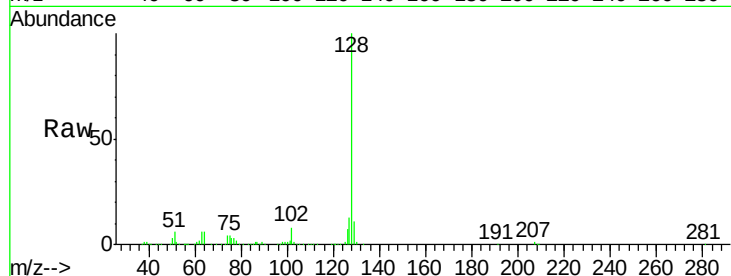
#95
Naphthalene
Concen: 26.036 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053605.D
Acq: 4 Feb 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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2/5/2019 9:54:27 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

