

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051116.D
 Acq On : 11 Sep 2018 10:41
 Operator : MD\SY
 Sample : J4849-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

Manual Integrations
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 9/12/2018 10:06:50 AM

Quant Time: Sep 12 09:18:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1003290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	441205	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	385233	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	378567	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.09	98	1436016	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	523285	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	7963	0.42	ug/l	96
17) Carbon Disulfide	4.05	76	9858	0.58	ug/l #	94
20) Methylene Chloride	4.55	84	5292	0.64	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	2646	0.31	ug/l	87
30) Chloroform	7.37	83	46831	3.43	ug/l	99
39) Methylcyclohexane	9.08	83	47086	3.87	ug/l	97
40) Benzene	8.04	78	19049	0.57	ug/l	94
52) Toluene	10.16	92	5705	0.28	ug/l	87
67) Ethyl Benzene	11.51	91	64201	1.68	ug/l	99
68) m/p-Xylenes	11.63	106	73107	4.98	ug/l	92
69) o-Xylene	11.95	106	11390m	0.80	ug/l	
73) Isopropylbenzene	12.25	105	8306572	224.50	ug/l	100
78) n-propylbenzene	12.59	91	15514741	381.48	ug/l	97
83) tert-Butylbenzene	12.99	119	659950	24.99	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3056223	103.91	ug/l	100
85) sec-Butylbenzene	13.17	105	3377459	99.72	ug/l #	75
89) n-Butylbenzene	13.62	91	1431227	64.04	ug/l #	85

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

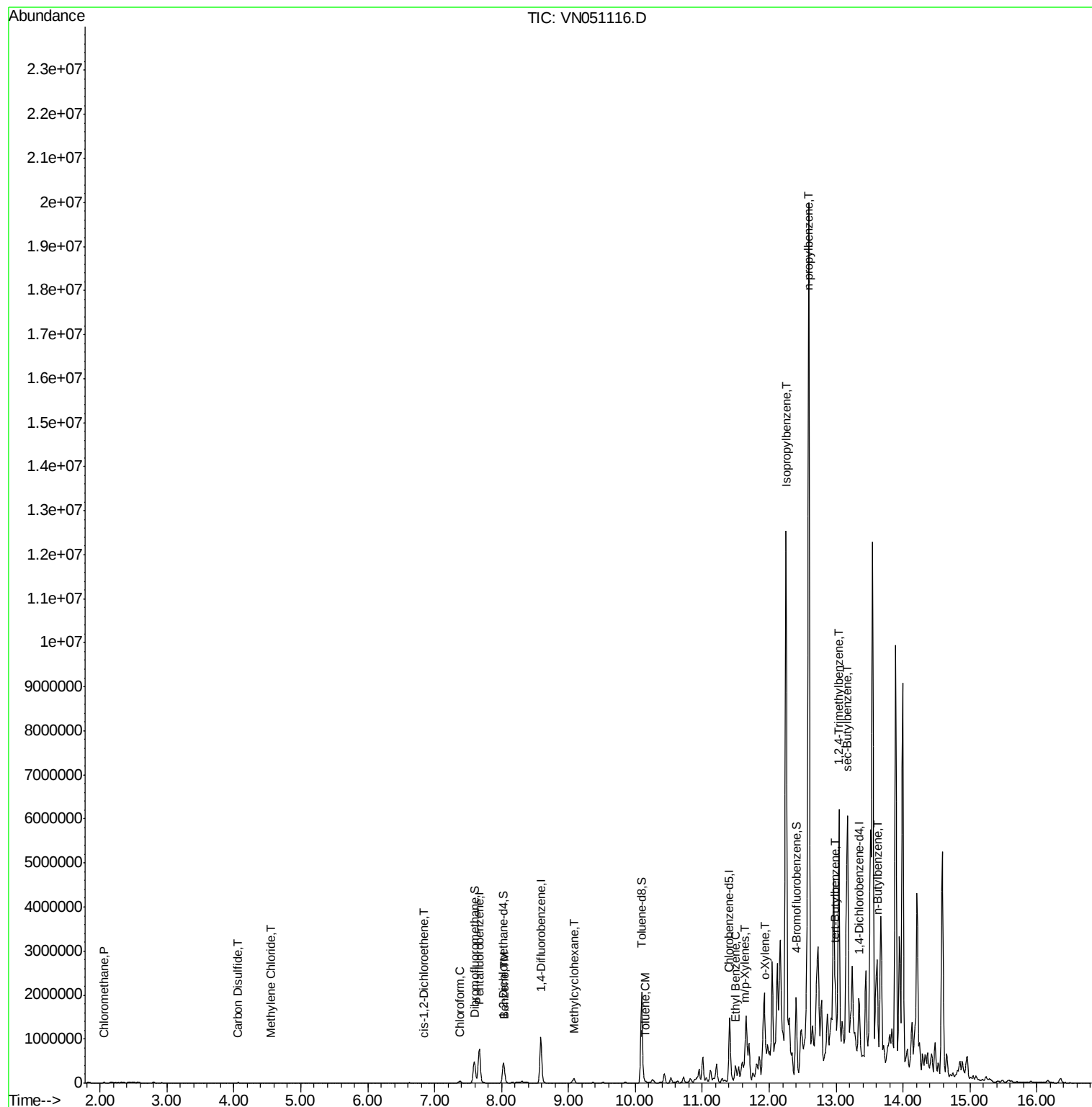
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051116.D
Acq On : 11 Sep 2018 10:41
Operator : MD\SY
Sample : J4849-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

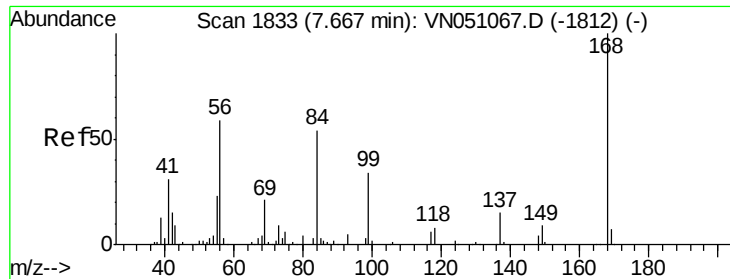
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

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Quant Time: Sep 12 09:18:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

Tot Ion:168 Resp: 669707

Ion Ratio Lower Upper

168 100

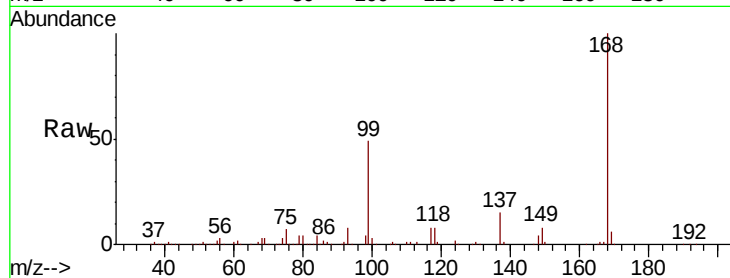
99 48.5 38.3 57.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

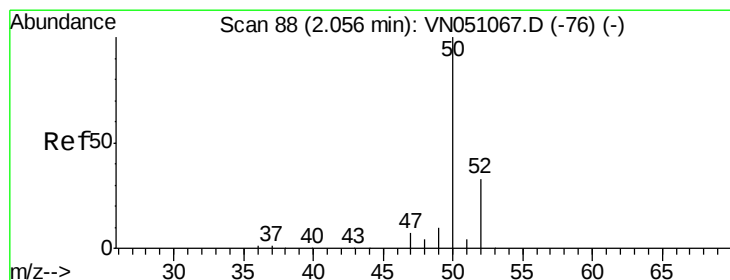
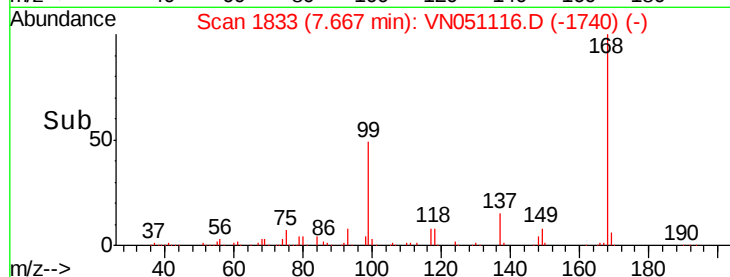
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051116.D

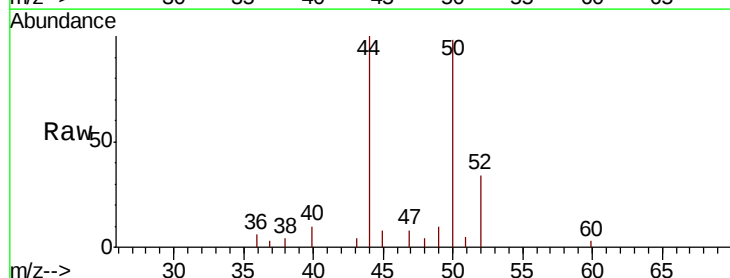
Acq: 11 Sep 2018 10:41

Tgt Ion: 50 Resp: 7963

Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

6000

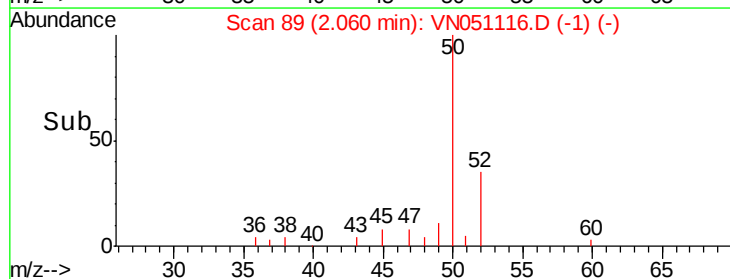
4000

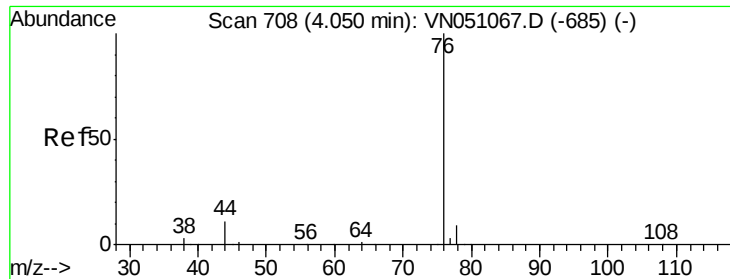
2000

0

2.00 2.05 2.10

Time-->





#17

Carbon Disulfide

Concen: 0.58 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-A

Tot Ion: 76 Resp: 9858

Ion Ratio Lower Upper

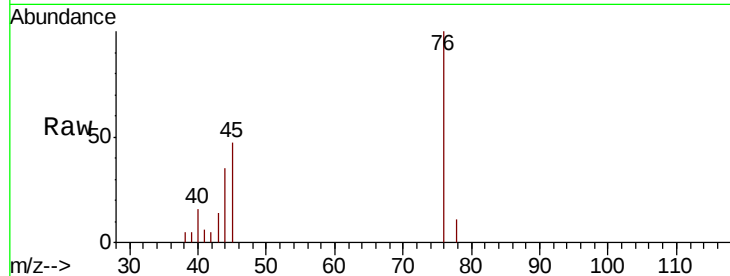
76 100

78 11.0 7.0 10.6#

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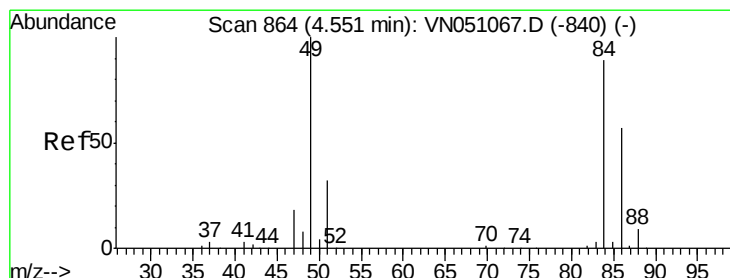
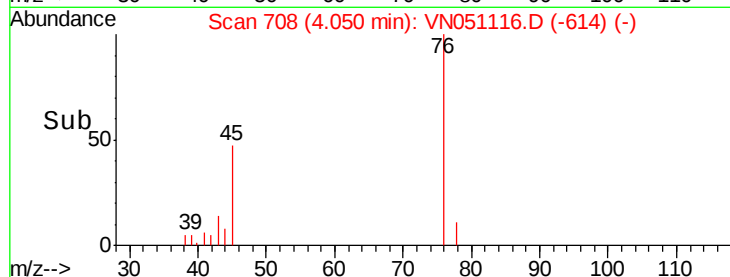
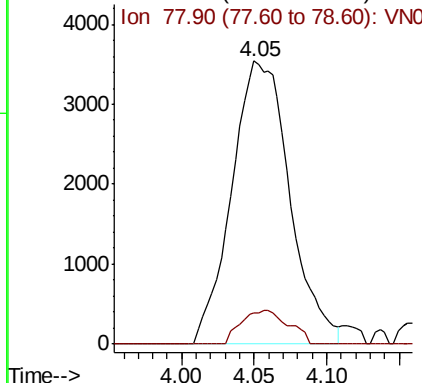
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Abundance Ion 75.90 (75.60 to 76.60): VN051116.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN051116.D (-614) (-)



#20

Methylene Chloride

Concen: 0.64 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Tgt Ion: 84 Resp: 5292

Ion Ratio Lower Upper

84 100

49 118.4 90.2 135.2

51 34.7 28.4 42.6

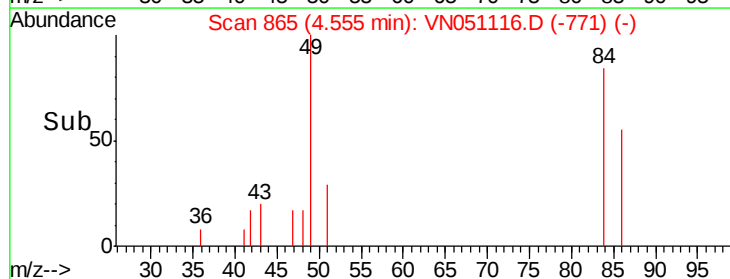
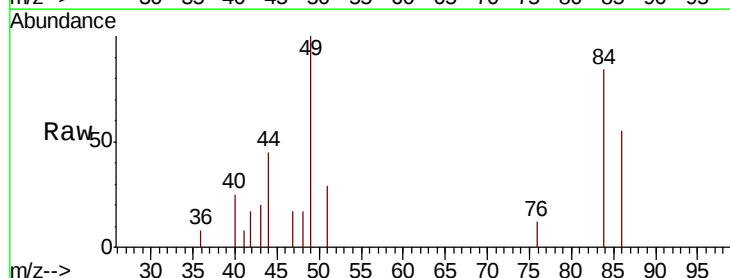
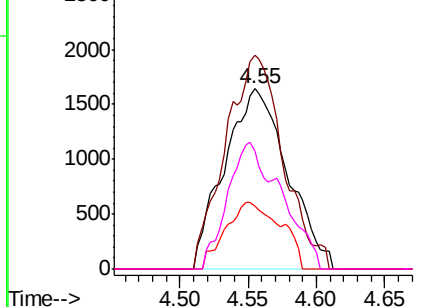
86 65.2 51.8 77.8

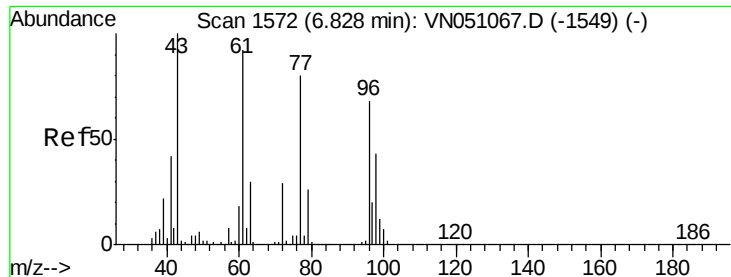
Abundance Ion 83.90 (83.60 to 84.60): VN051116.D (-771) (-)

Ion 48.90 (48.60 to 49.60): VN051116.D (-771) (-)

Ion 50.90 (50.60 to 51.60): VN051116.D (-771) (-)

Ion 85.90 (85.60 to 86.60): VN051116.D (-771) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.31 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

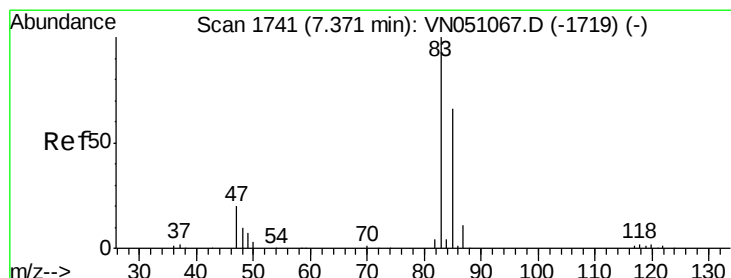
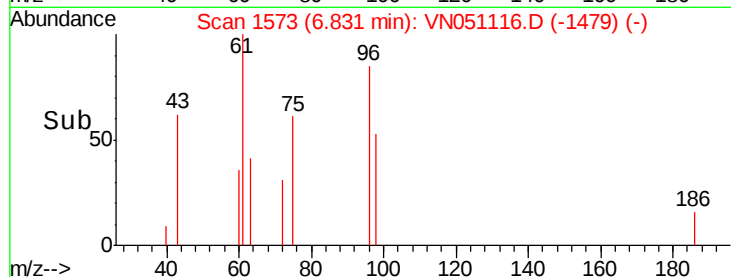
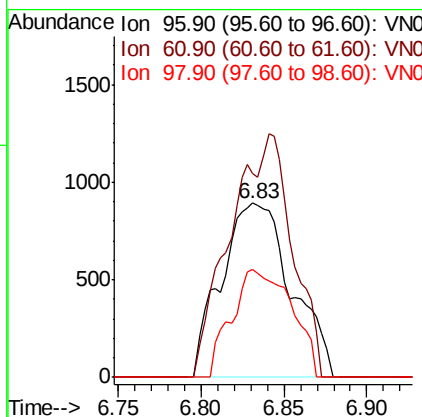
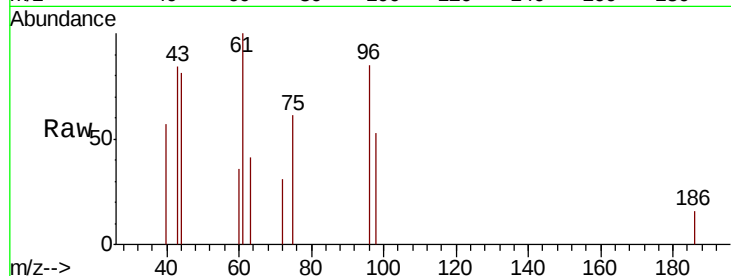
ClientSampleId :

EP1-MW-A

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	0.0	278.2
98	52.6	0.0	129.4

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#30

Chloroform

Concen: 3.43 ug/l

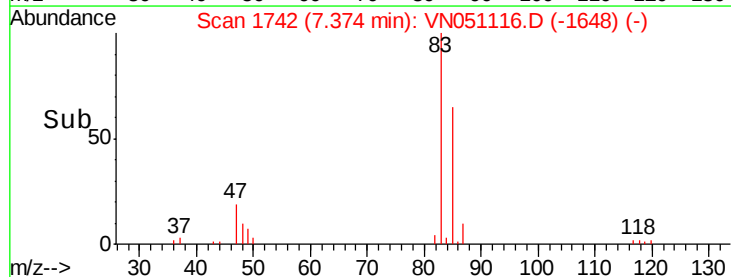
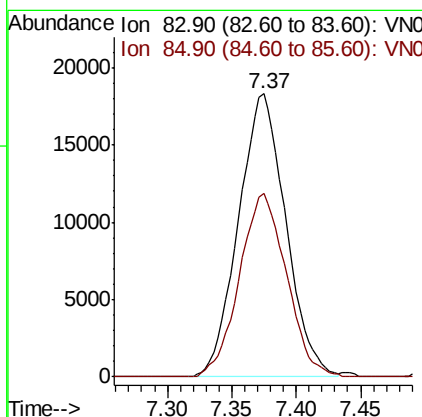
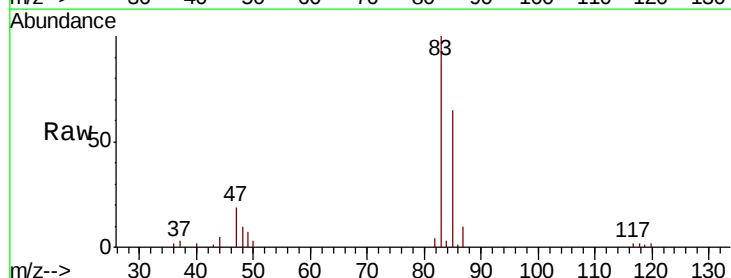
RT: 7.37 min Scan# 1742

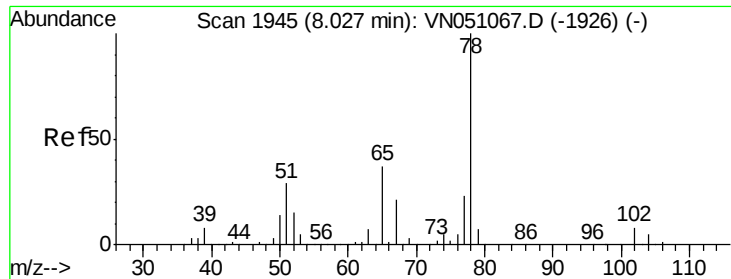
Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





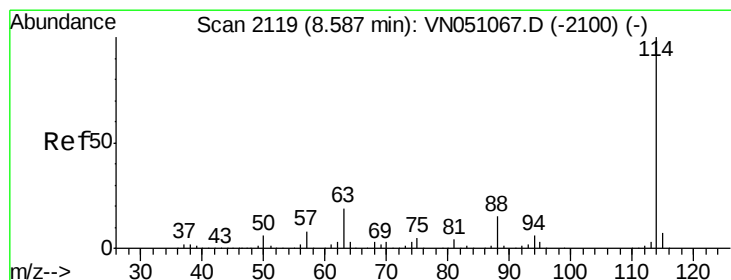
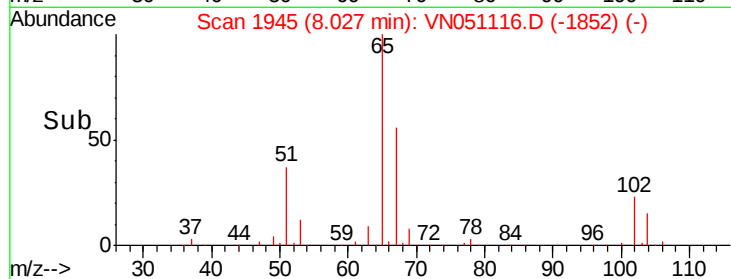
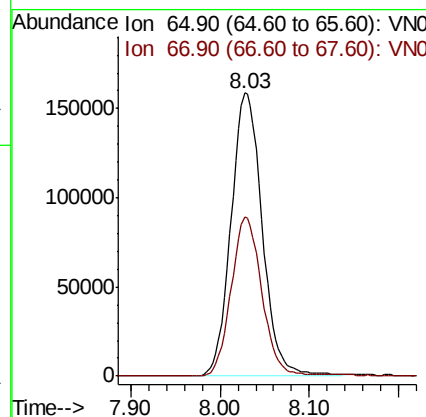
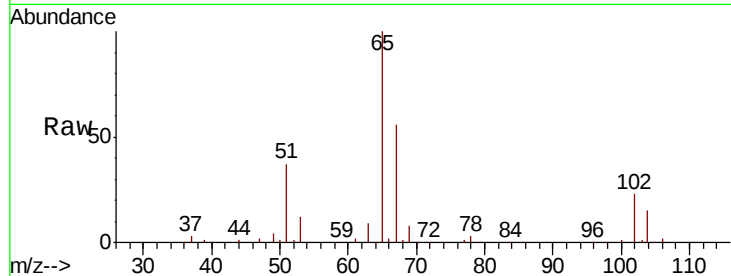
#33
 1,2-Dichloroethane-d4
 Concen: 51.69 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

Tot Ion: 65 Resp: 385233
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0

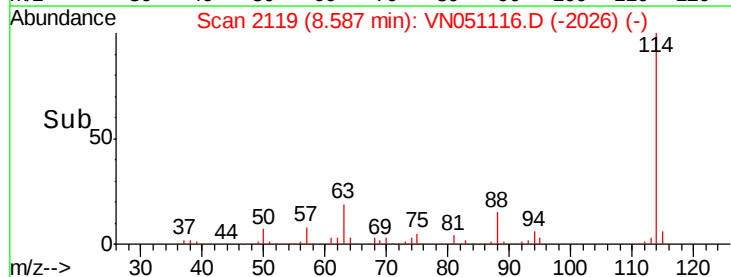
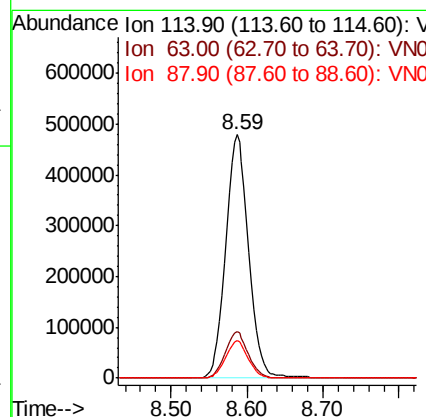
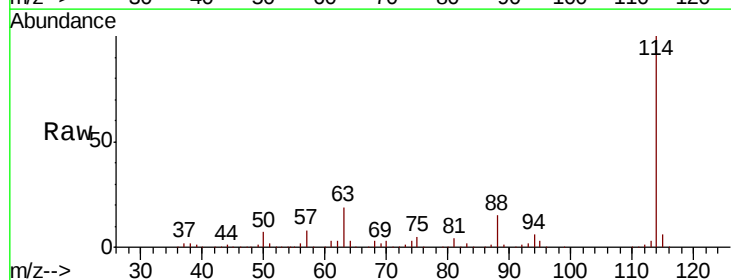
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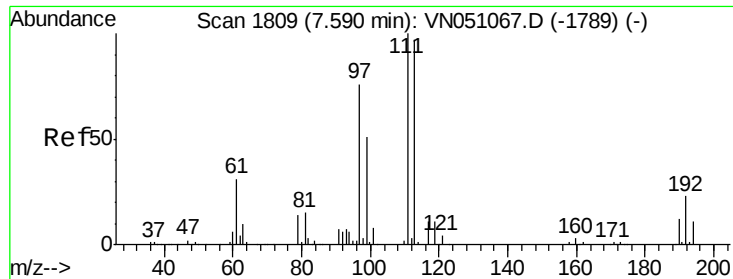
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion: 114 Resp: 1003290
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.2 0.0 30.8





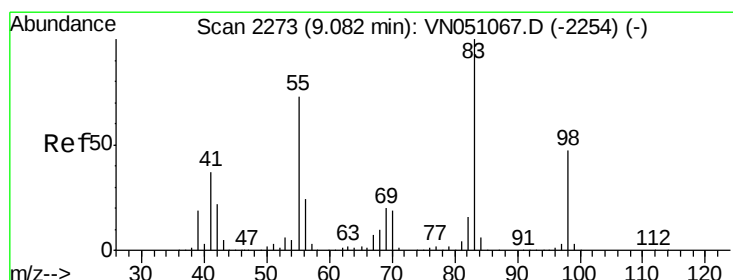
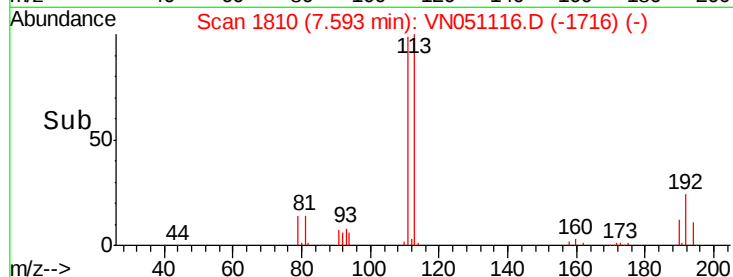
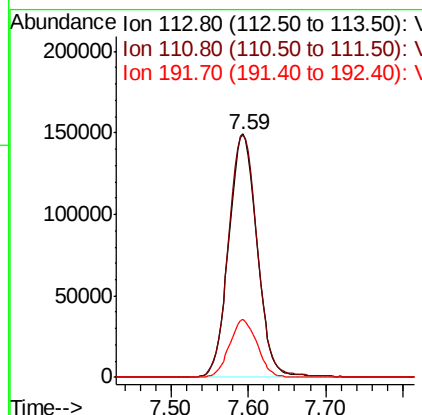
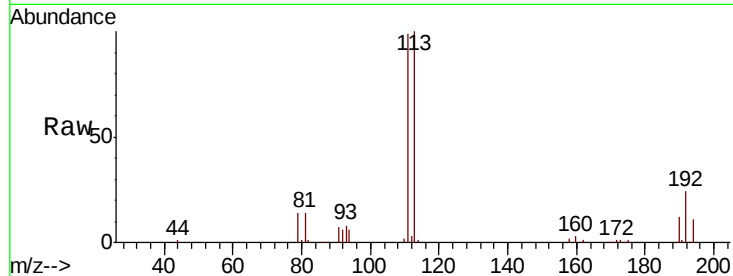
#35
Dibromofluoromethane
Concen: 50.22 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	83.0	124.6	
192	23.2	18.7	28.1	

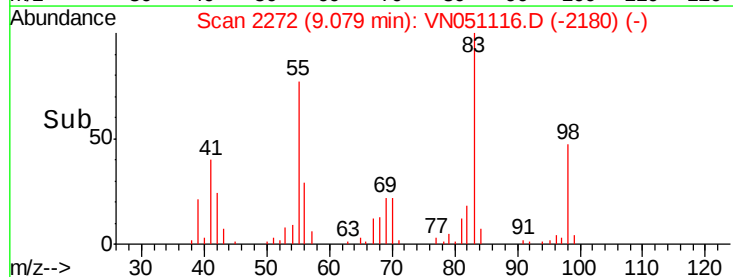
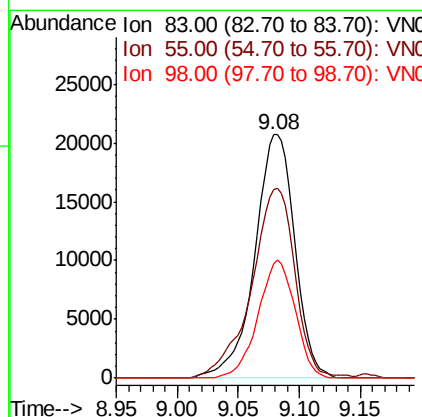
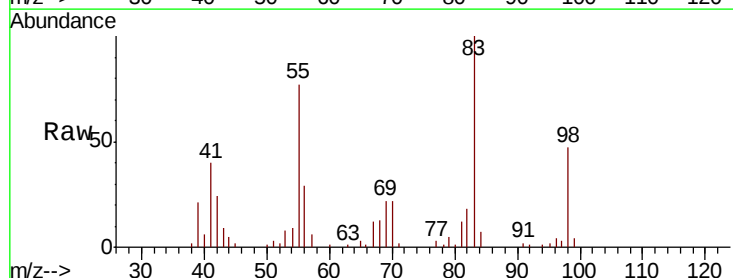
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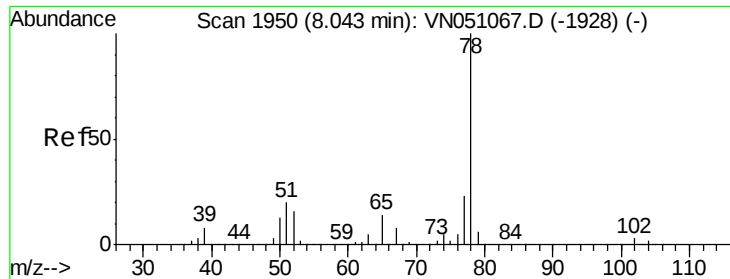
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#39
Methylcyclohexane
Concen: 3.87 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	58.4	87.6	
98	46.9	37.3	55.9	





#40

Benzene

Concen: 0.57 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-A

Tot Ion: 78 Resp: 19049

Ion Ratio Lower Upper

78 100

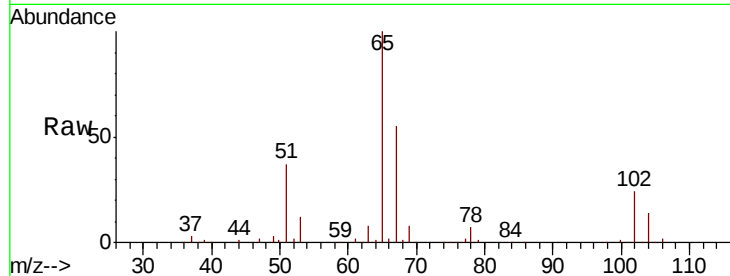
77 20.1 18.6 27.8

Manual Integrations

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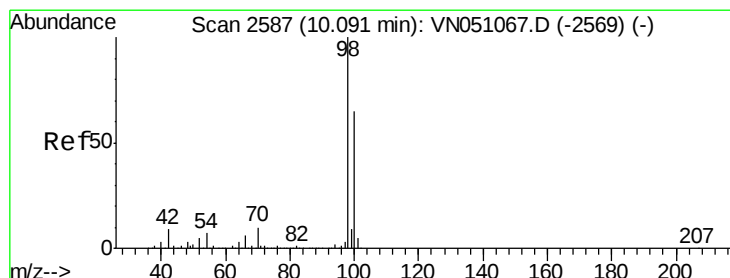
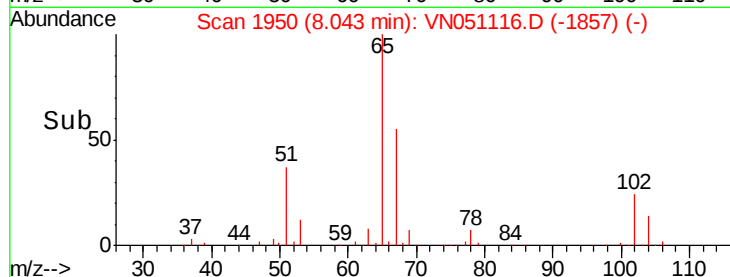
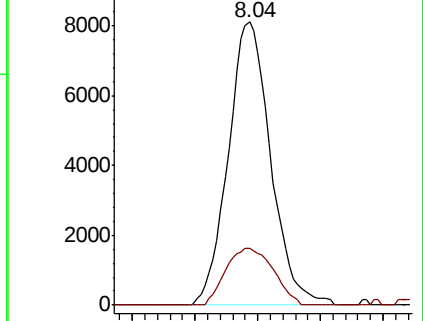
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 50.20 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051116.D

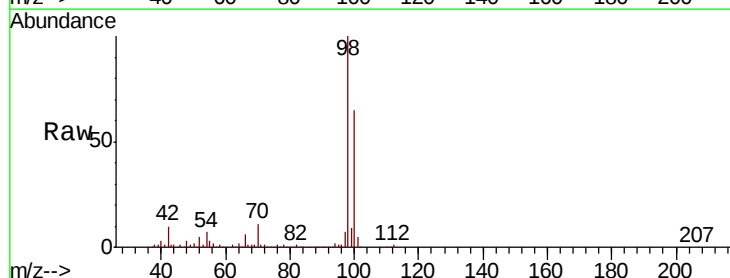
Acq: 11 Sep 2018 10:41

Tgt Ion: 98 Resp: 1436016

Ion Ratio Lower Upper

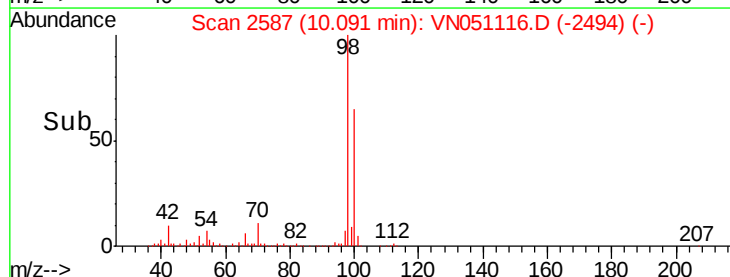
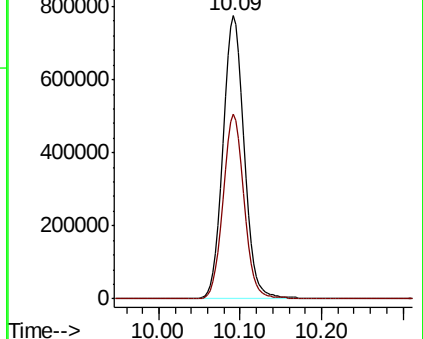
98 100

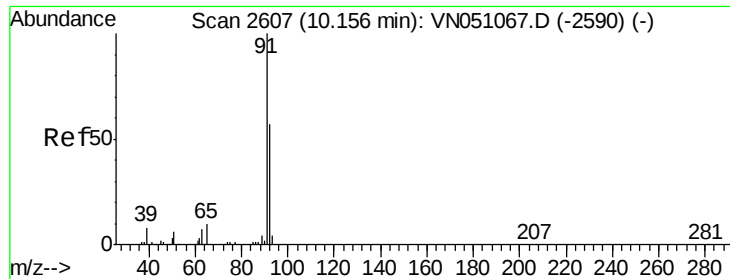
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.28 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-A

Tot Ion: 92 Resp: 5705

Ion Ratio Lower Upper

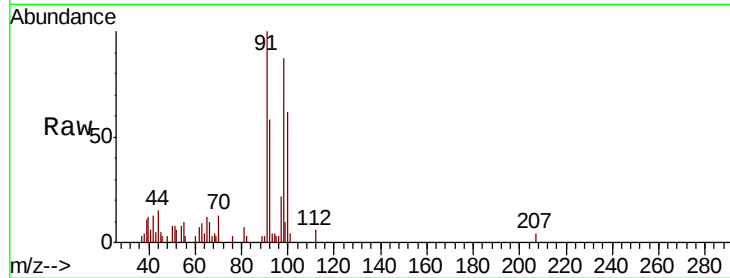
92 100

91 192.1 139.5 209.3

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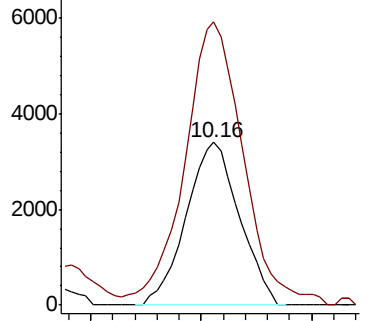
MMDadoda

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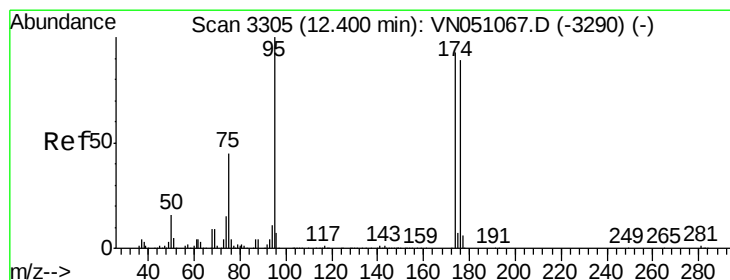
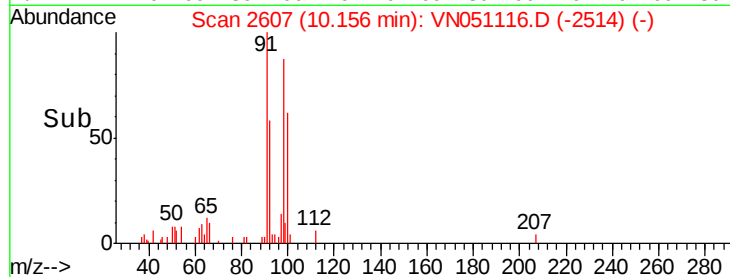


Abundance Ion 92.00 (91.70 to 92.70): VN051116.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN051116.D (-2514) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 55.30 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

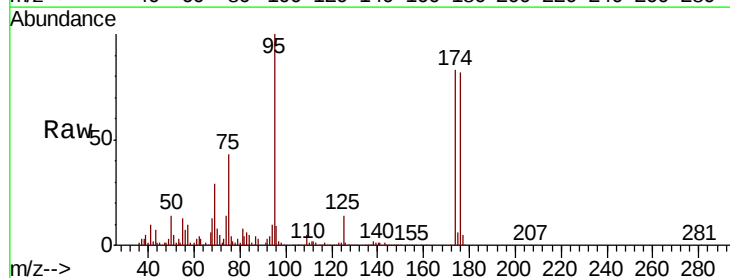
Tgt Ion: 95 Resp: 523285

Ion Ratio Lower Upper

95 100

174 84.7 0.0 184.8

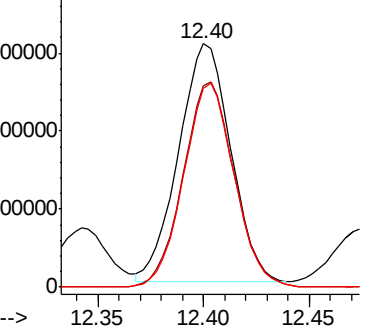
176 83.1 0.0 178.6



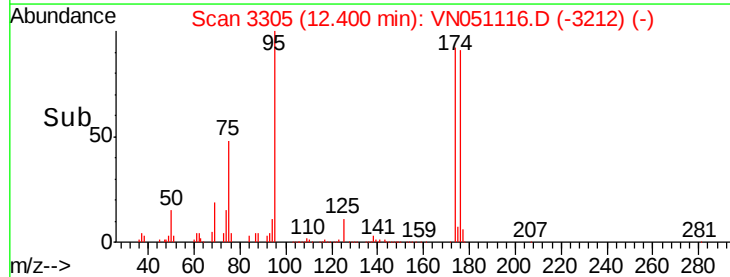
Abundance Ion 94.90 (94.60 to 95.60): VN051116.D (-3212) (-)

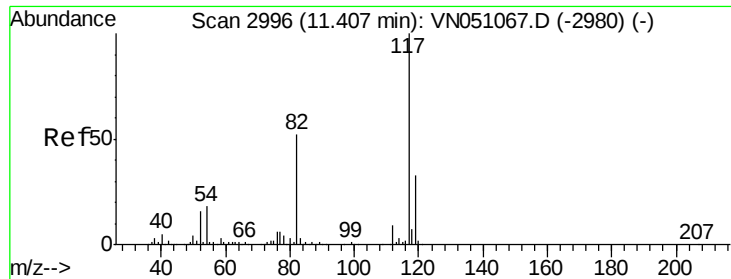
Ion 173.80 (173.50 to 174.50): VN051116.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051116.D (-3212) (-)



Time-->





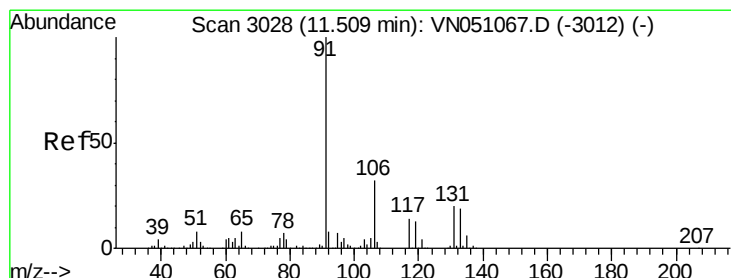
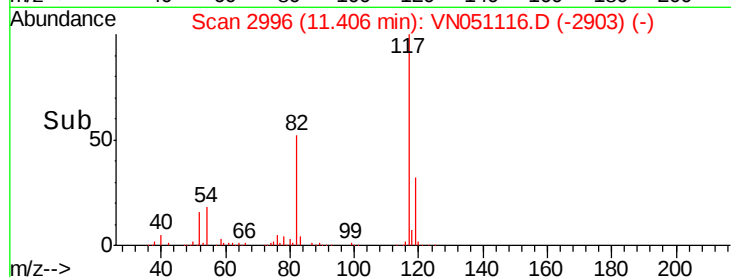
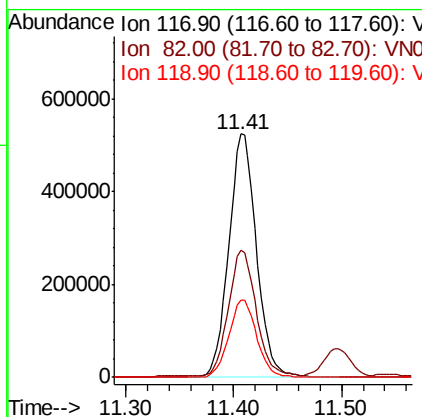
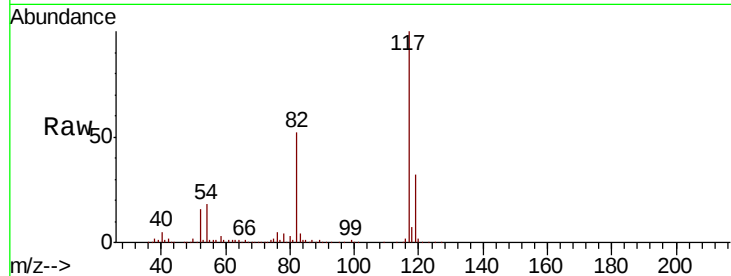
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

Tot Ion	Ratio	Resp	Lower	Upper
117	100	936637		
82	51.7		41.8	62.6
119	31.8		26.2	39.2

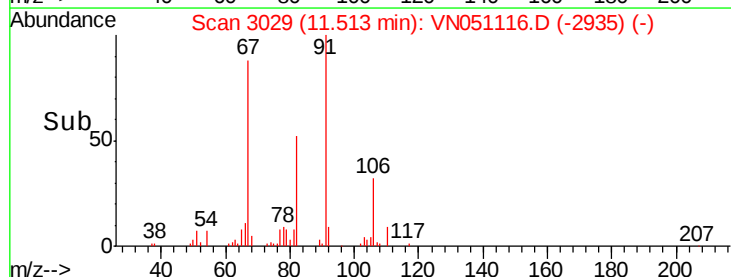
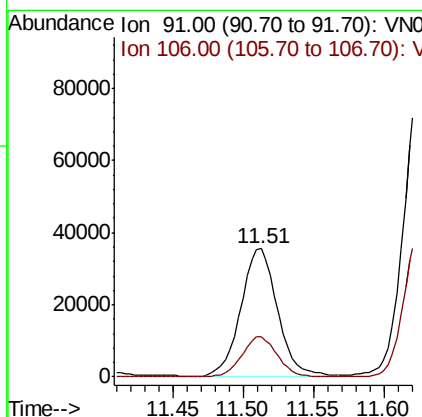
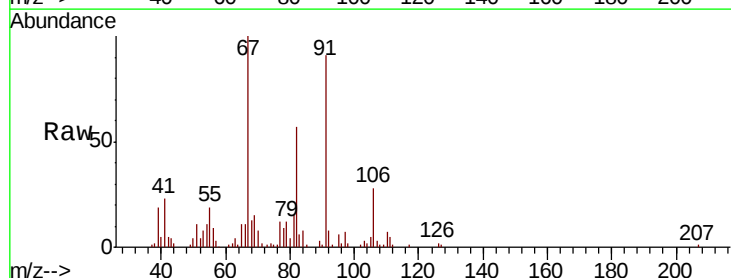
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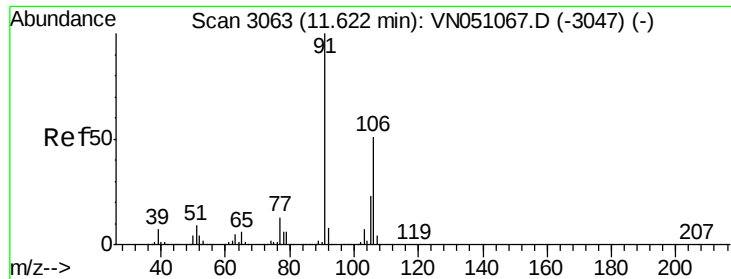
MMDadoda
9/12/2018 10:06:50 AM



#67
Ethyl Benzene
Concen: 1.68 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	64201		
106	31.4		25.4	38.2





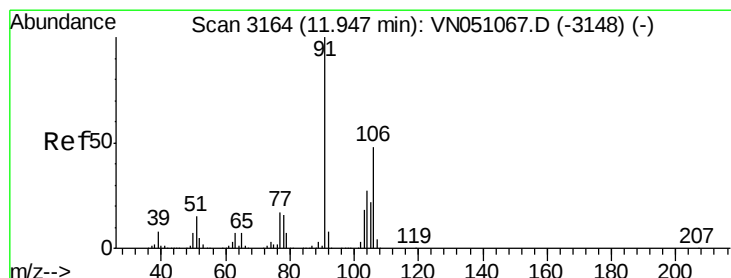
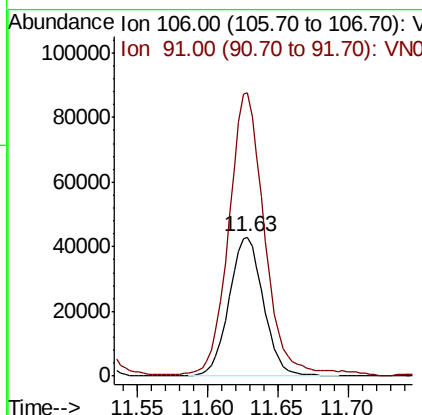
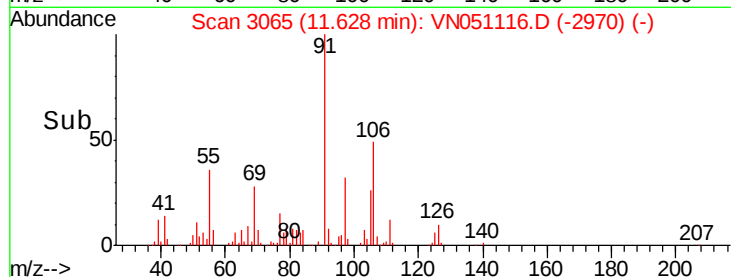
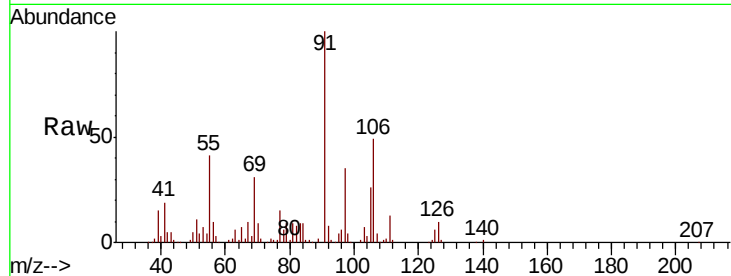
#68
m/p-Xylenes
Concen: 4.98 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-A

Tot Ion:106 Resp: 73107
Ion Ratio Lower Upper
106 100
91 212.4 159.8 239.6

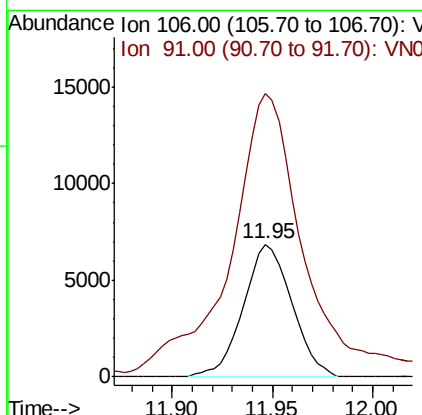
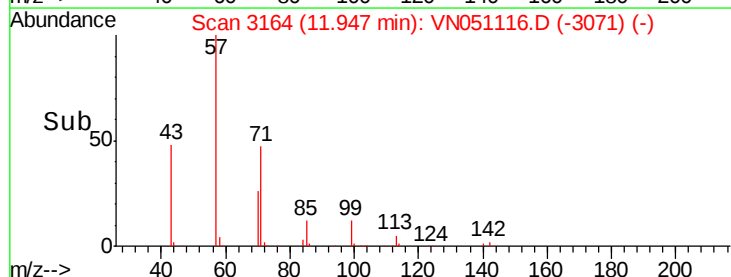
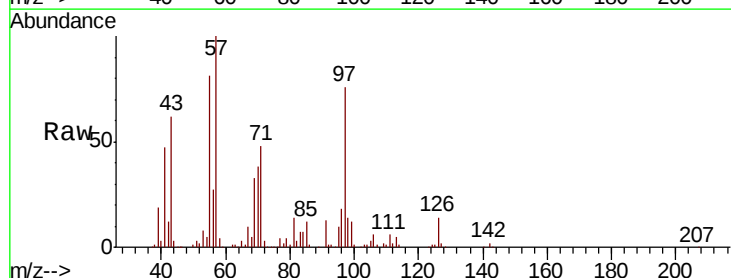
Manual Integrations
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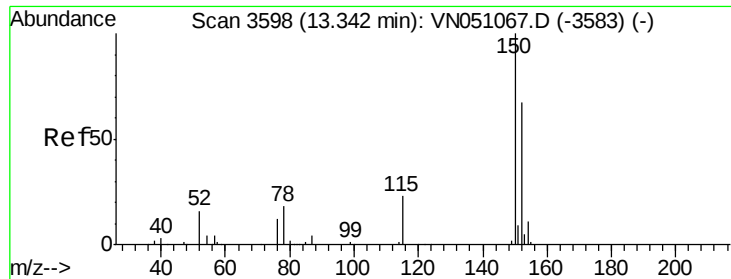
MMDadoda
9/12/2018 10:06:50 AM



#69
o-Xylene
Concen: 0.80 ug/l m
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion:106 Resp: 11390
Ion Ratio Lower Upper
106 100
91 0.0 105.1 315.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

Tot Ion:152 Resp: 441205

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

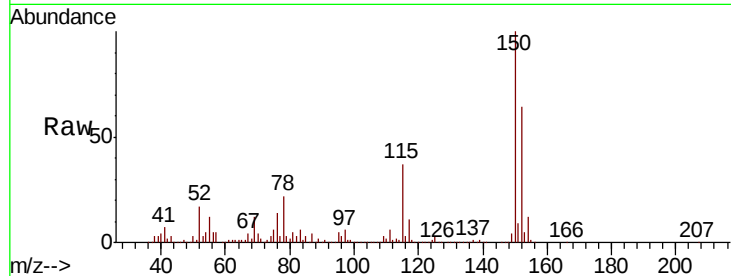
150 151.0 0.0 349.0

Manual Integrations

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MMDadoda

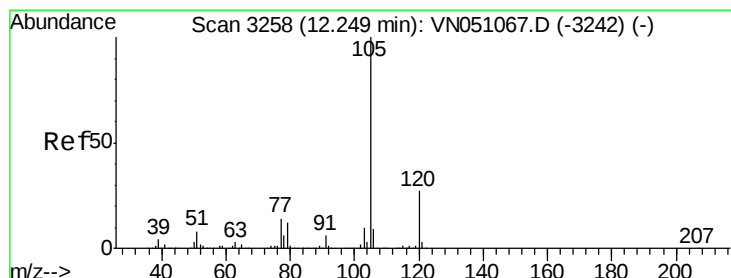
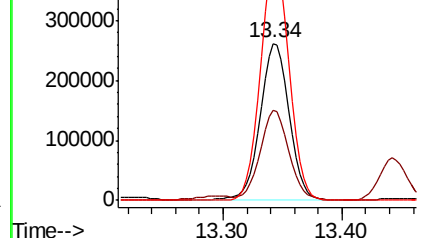
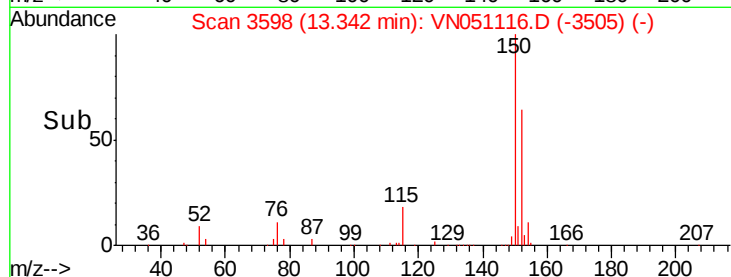
9/12/2018 10:06:50 AM



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



#73

Isopropylbenzene

Concen: 224.50 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051116.D

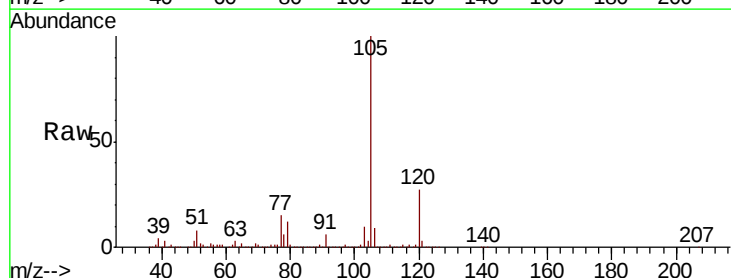
Acq: 11 Sep 2018 10:41

Tgt Ion:105 Resp: 8306572

Ion Ratio Lower Upper

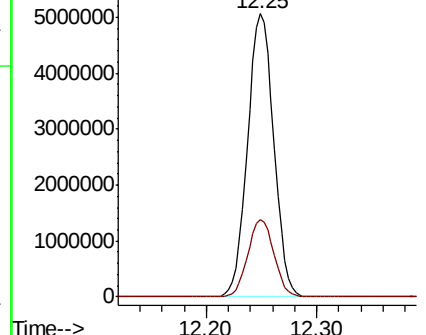
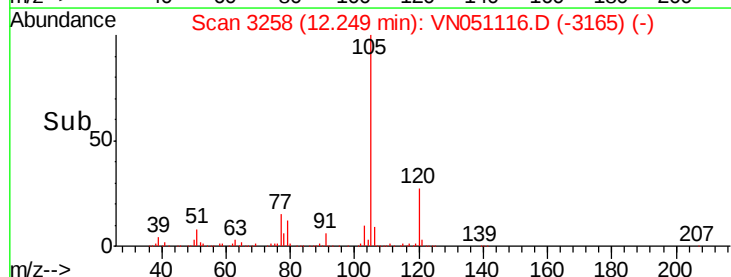
105 100

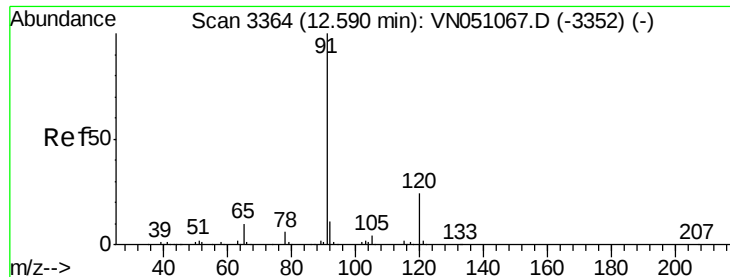
120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





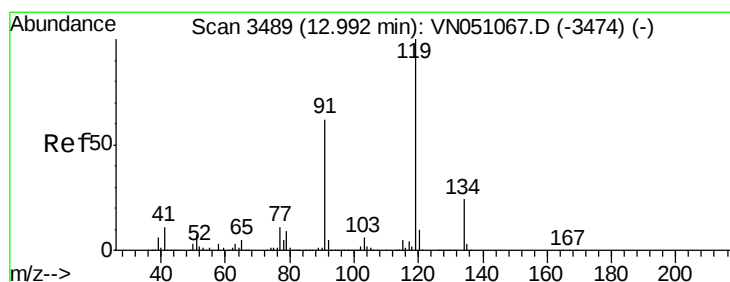
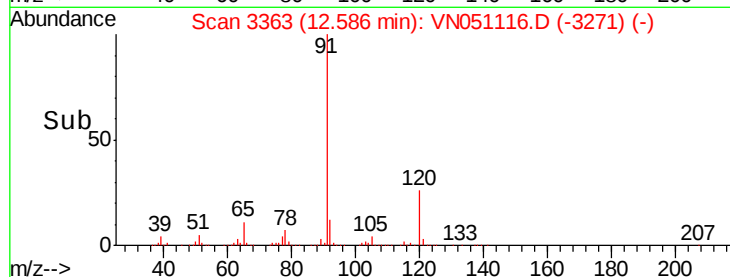
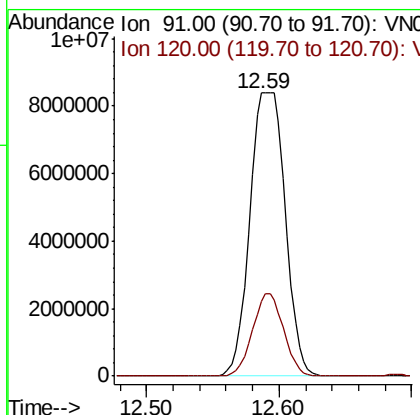
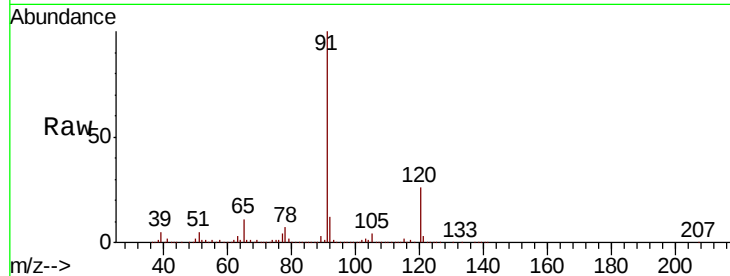
#78
n-propylbenzene
Concen: 381.48 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

Tot Ion: 91 Resp:15514741
Ion Ratio Lower Upper
91 100
120 25.6 12.0 36.0

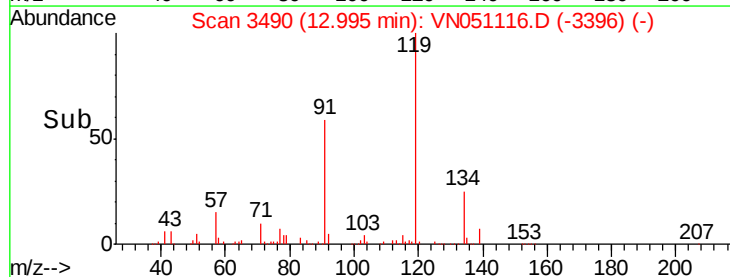
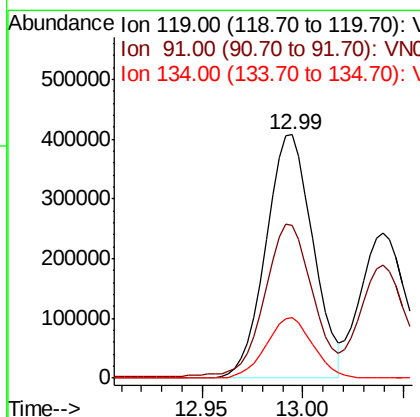
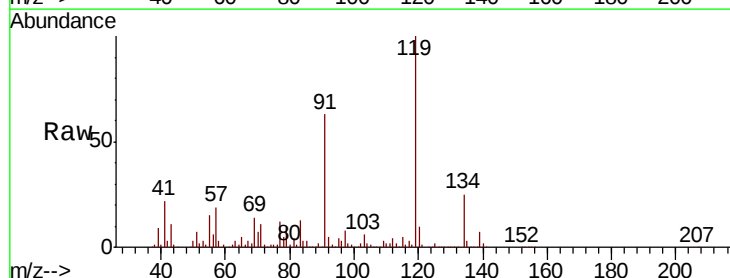
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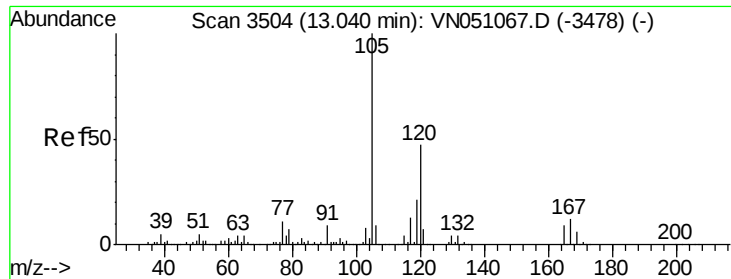
MMDadoda
9/12/2018 10:06:50 AM



#83
tert-Butylbenzene
Concen: 24.99 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion:119 Resp: 659950
Ion Ratio Lower Upper
119 100
91 64.2 30.8 92.3
134 24.5 13.2 39.6





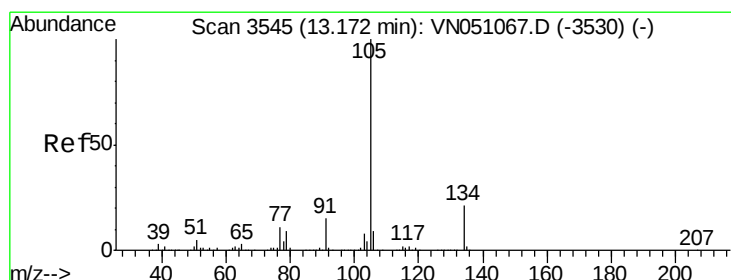
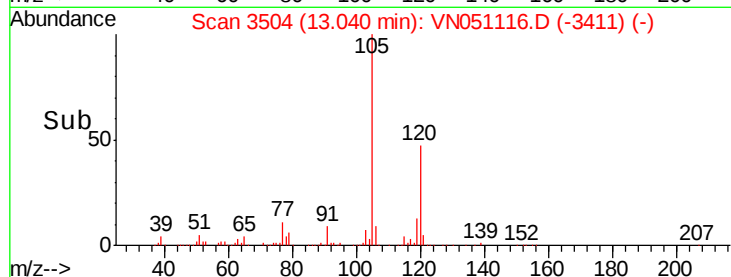
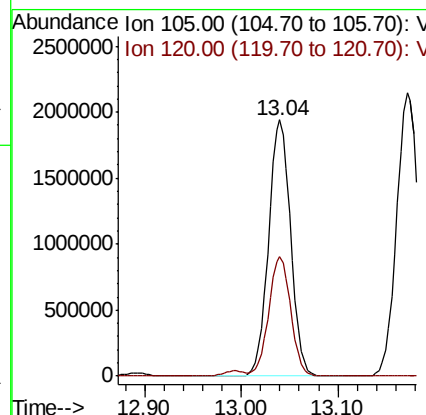
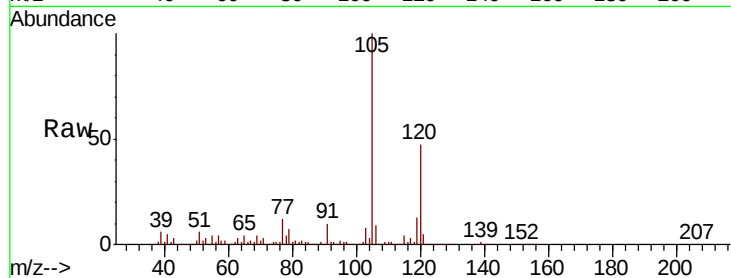
#84
 1,2,4-Trimethylbenzene
 Concen: 103.91 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-A

Tot Ion:105 Resp: 3056223
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.8

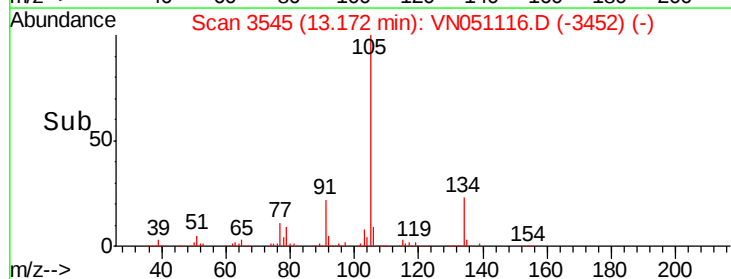
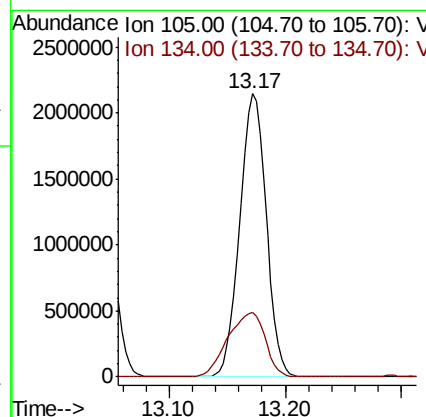
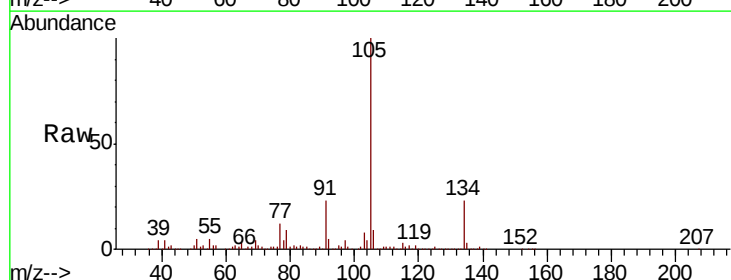
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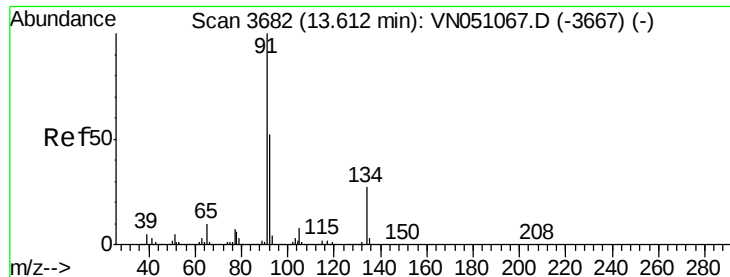
MMDadoda
 9/12/2018 10:06:50 AM



#85
 sec-Butylbenzene
 Concen: 99.72 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion:105 Resp: 3377459
 Ion Ratio Lower Upper
 105 100
 134 32.4 10.4 31.4#





#89

n-Butylbenzene

Concen: 64.04 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

Tot Ion: 91 Resp: 1431227

Ion Ratio Lower Upper

91 100

92 48.2 26.2 78.6

134 44.6 13.7 41.1#

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:06:50 AM

