

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049672.D
 Acq On : 2 Jul 2018 16:27
 Operator : MD\SY
 Sample : J3798-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-13

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:41 PM

Quant Time: Jul 03 12:39:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1678772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2476475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2172675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1135888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1006050	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	7.59	113	838022	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
50) Toluene-d8	10.09	98	3480529	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	1167411	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	363207	76.02	ug/l	95
25) 2-Butanone	6.85	43	181629	24.68	ug/l	94
39) Methylcyclohexane	9.09	83	509019	16.66	ug/l	94
40) Benzene	8.04	78	8660740	101.80	ug/l	100
52) Toluene	10.14	92	29192230m	567.97	ug/l	
67) Ethyl Benzene	11.51	91	7300031	77.92	ug/l	100
68) m/p-Xylenes	11.61	106	19672254m	547.89	ug/l	
69) o-Xylene	11.95	106	9294191	270.37	ug/l #	1
73) Isopropylbenzene	12.25	105	1125543	12.44	ug/l	100
78) n-propylbenzene	12.59	91	2240260	21.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	7118792	94.68	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	16981435m	219.80	ug/l	
85) sec-Butylbenzene	13.17	105	436869	5.11	ug/l #	63
89) n-Butylbenzene	13.62	91	275923m	4.35	ug/l	
95) Naphthalene	15.14	128	1075965	25.48	ug/l	100

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

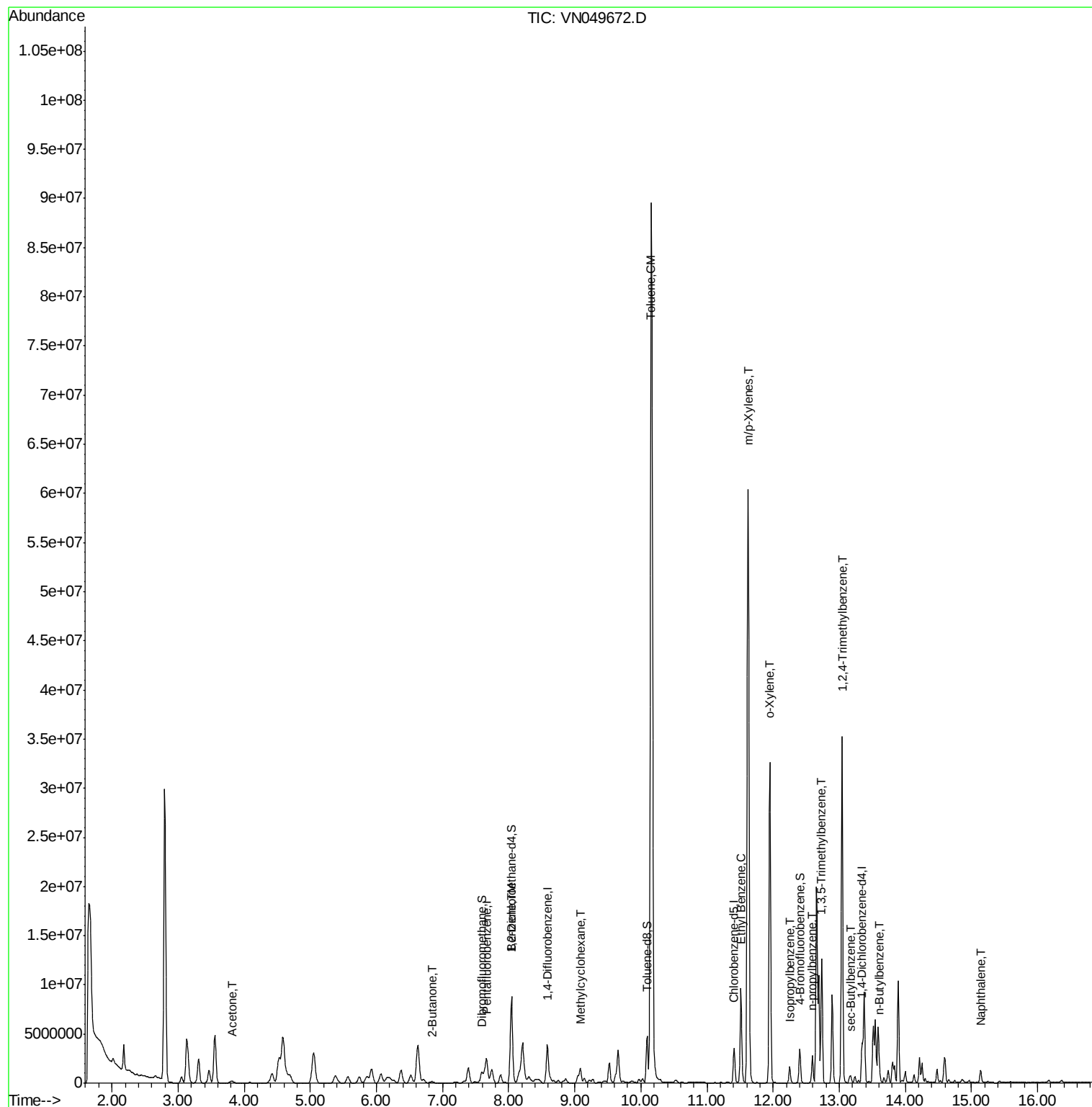
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

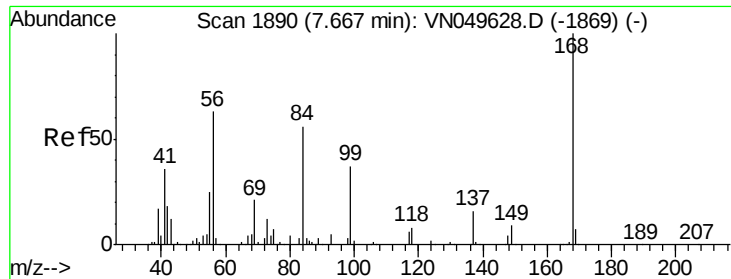
Instrument :
MSVOA_N
ClientSampleId :
DRUM-13

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Quant Time: Jul 03 12:39:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampled :

DRUM-13

Tot Ion:168 Resp: 1678772

Ion Ratio Lower Upper

168 100

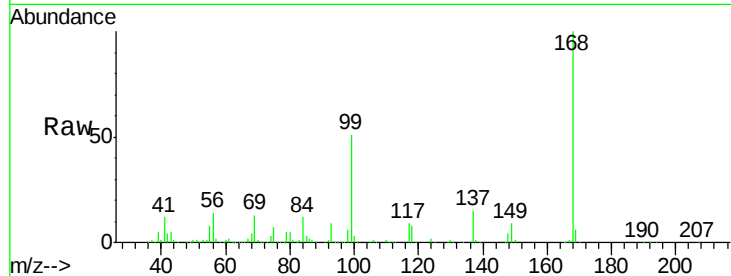
99 50.6 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

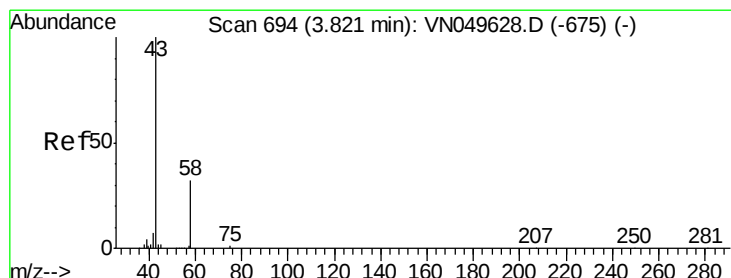
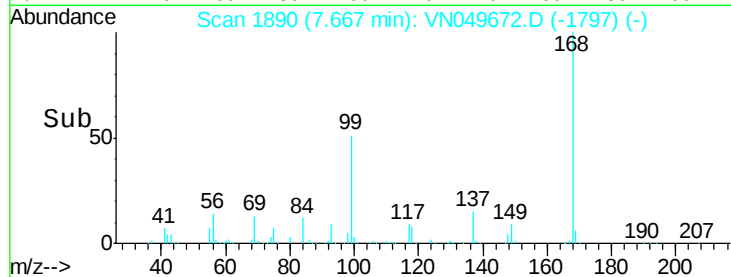
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 76.02 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049672.D

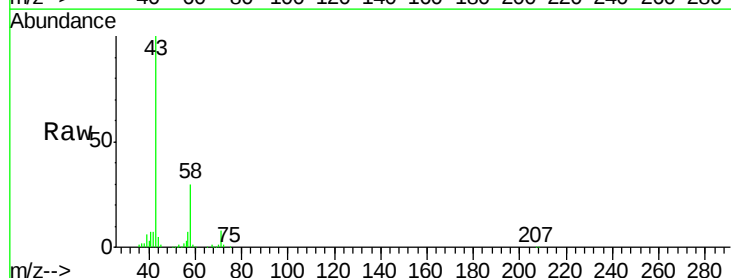
Acq: 2 Jul 2018 16:27

Tgt Ion: 43 Resp: 363207

Ion Ratio Lower Upper

43 100

58 29.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

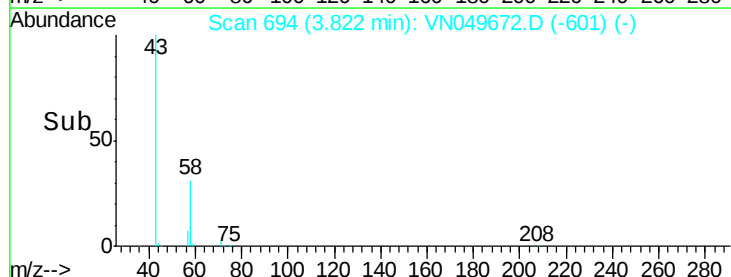
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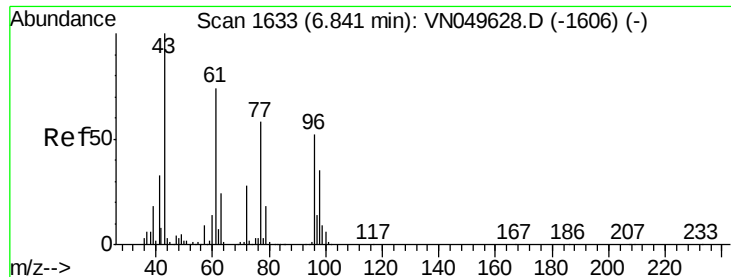
100000

50000

0

Time--> 3.70 3.80 3.90 4.00





#25

2-Butanone

Concen: 24.68 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13

Tot Ion: 43 Resp: 181629

Ion Ratio Lower Upper

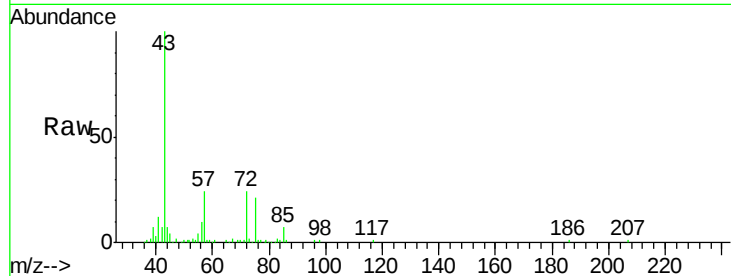
43 100

72 24.6 22.1 33.1

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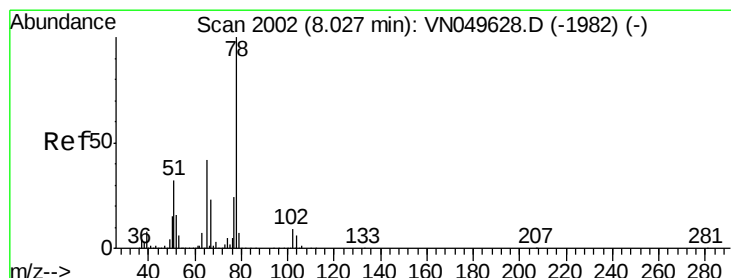
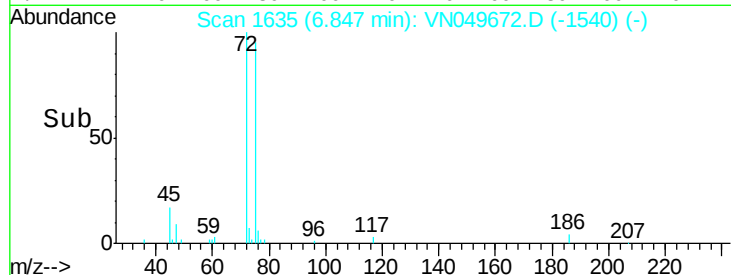
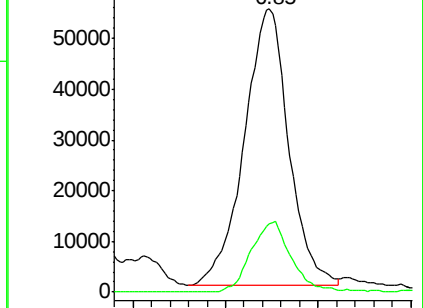
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.38 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049672.D

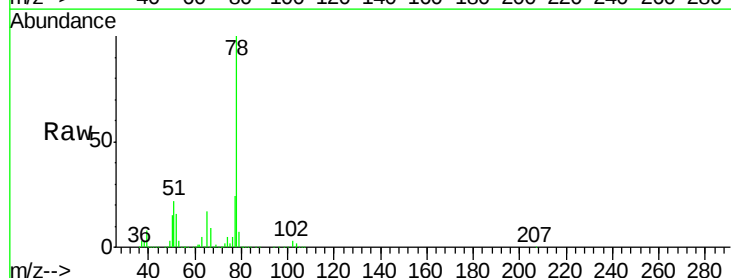
Acq: 2 Jul 2018 16:27

Tgt Ion: 65 Resp: 1006050

Ion Ratio Lower Upper

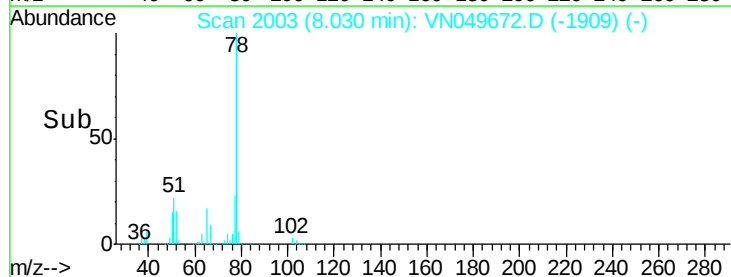
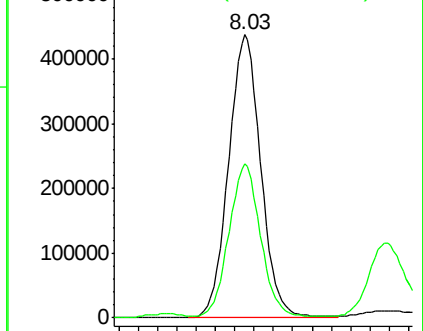
65 100

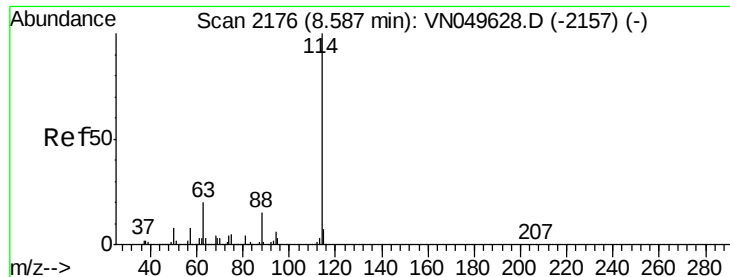
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





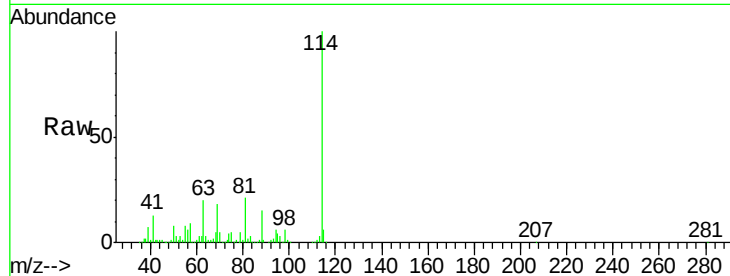
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049672.D
 Acq: 2 Jul 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-13

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.8
88	15.4	0.0	30.6

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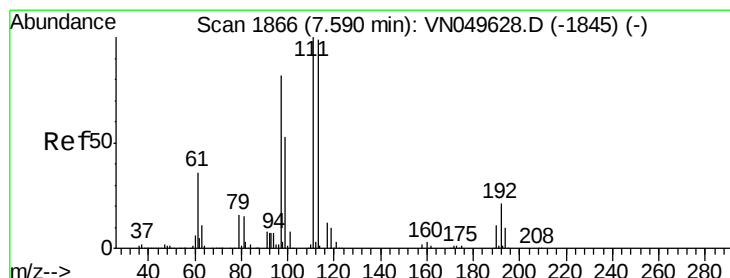
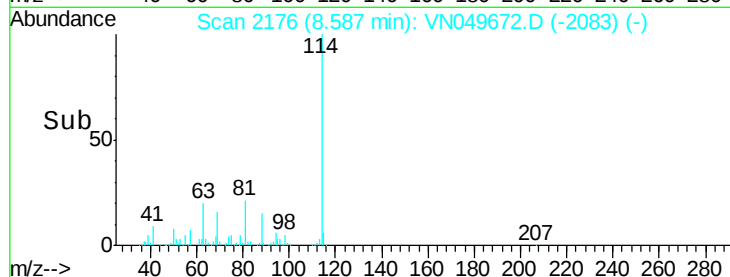
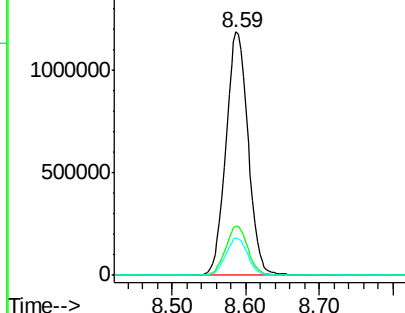
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Abundance Ion 113.90 (113.60 to 114.60): V

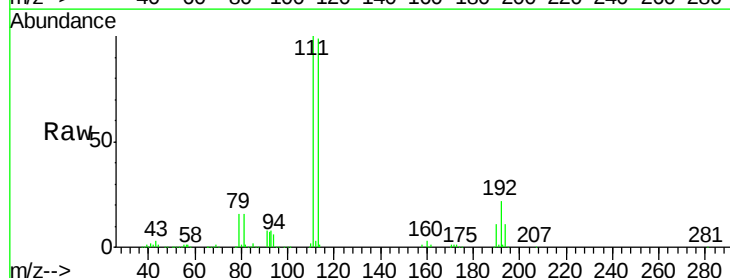
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 45.26 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049672.D
 Acq: 2 Jul 2018 16:27

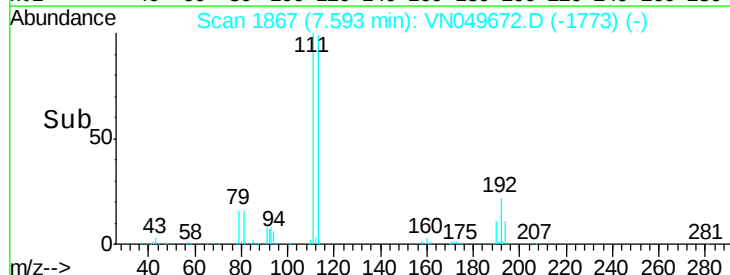
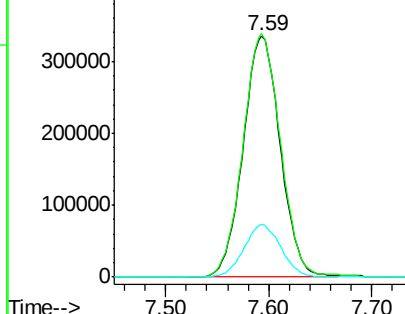
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	21.7	17.8	26.6

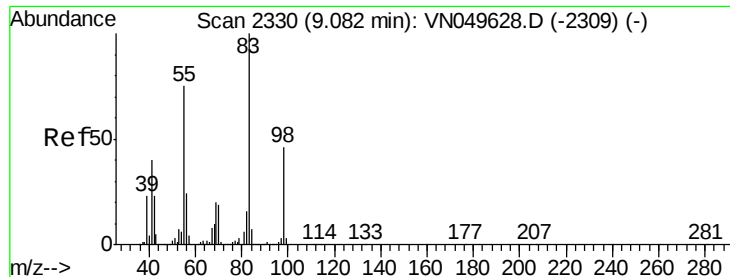


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





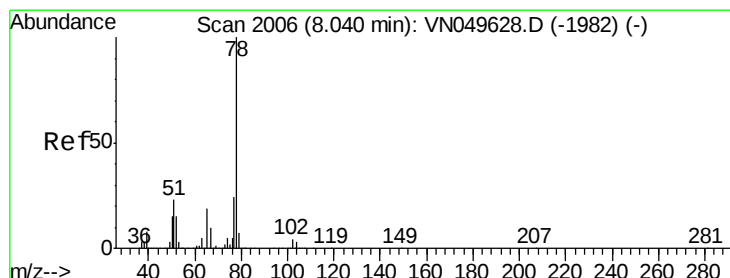
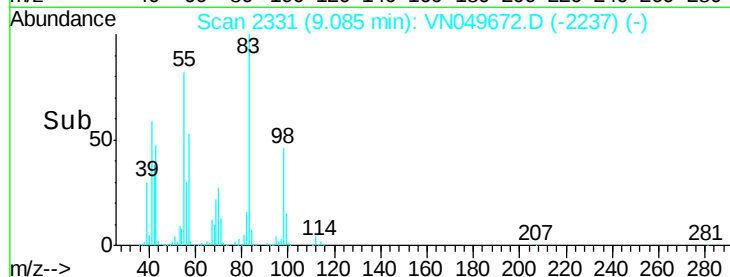
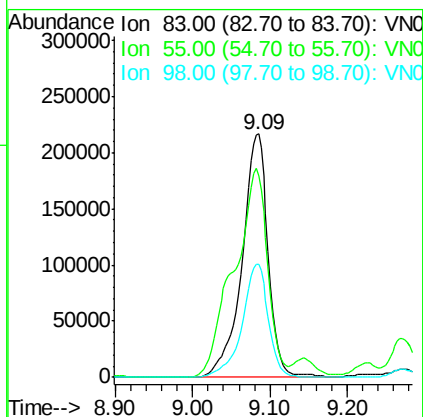
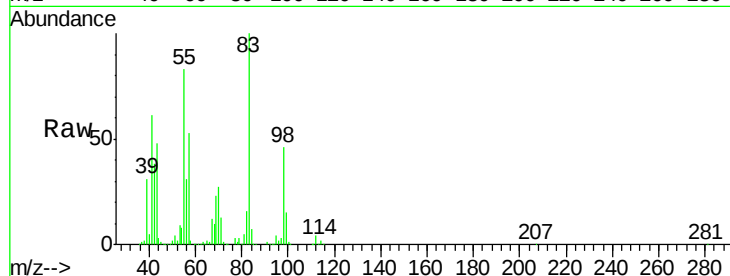
#39
Methvlcvclohexane
Concen: 16.66 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049672.D
Acq: 2 Jul 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
DRUM-13

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	59.7	89.5
98	46.2	36.5	54.7

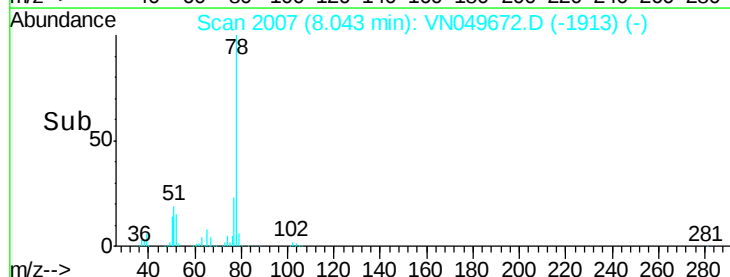
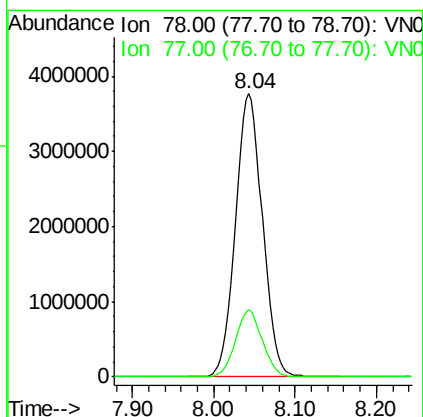
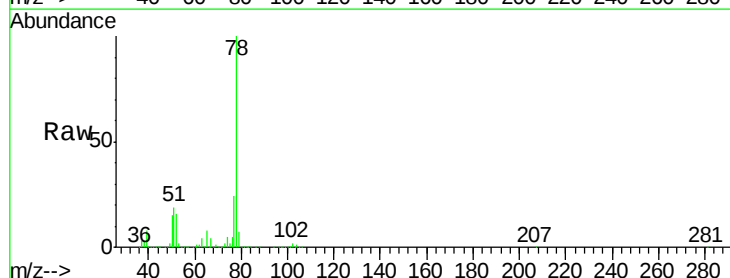
Manual Integrations
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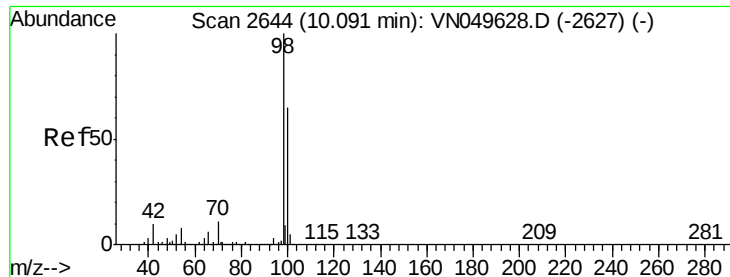
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#40
Benzene
Concen: 101.80 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049672.D
Acq: 2 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#50

Toluene-d8

Concen: 48.03 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13

Tot Ion: 98 Resp: 3480529

Ion Ratio Lower Upper

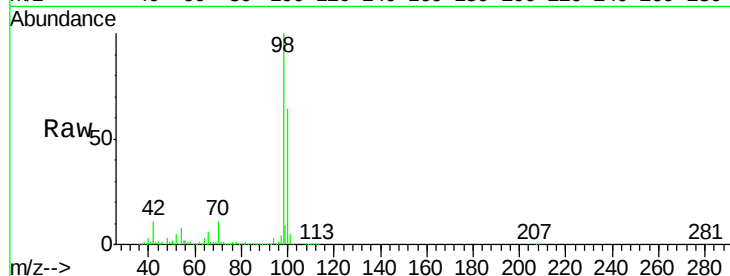
98 100

100 64.0 51.7 77.5

Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

2000000

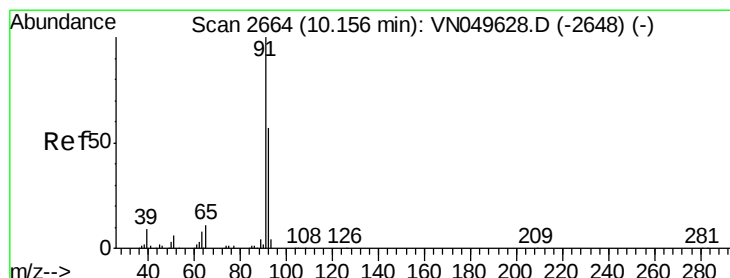
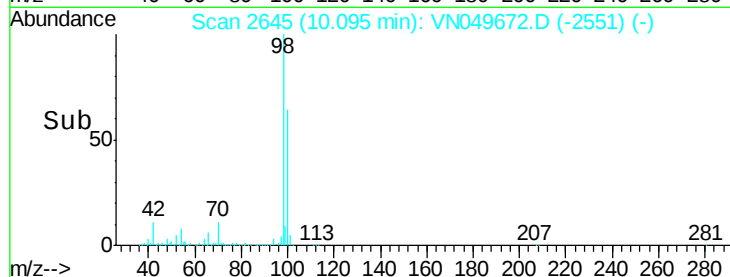
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 567.97 ug/l m

RT: 10.14 min Scan# 2659

Delta R.T. -0.02 min

Lab File: VN049672.D

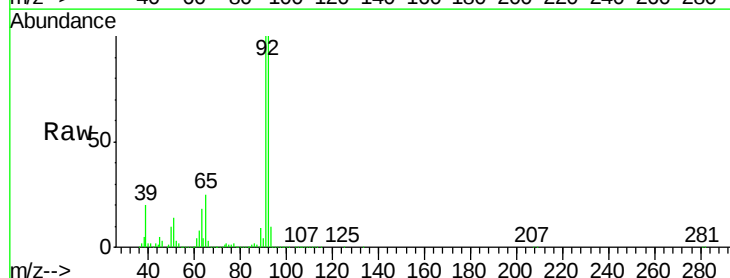
Acq: 2 Jul 2018 16:27

Tgt Ion: 92 Resp: 29192230

Ion Ratio Lower Upper

92 100

91 0.0 140.1 210.1#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

8000000

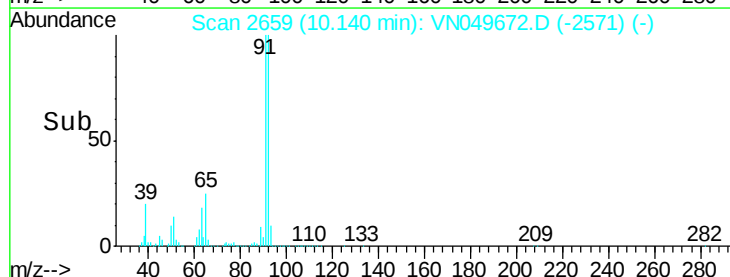
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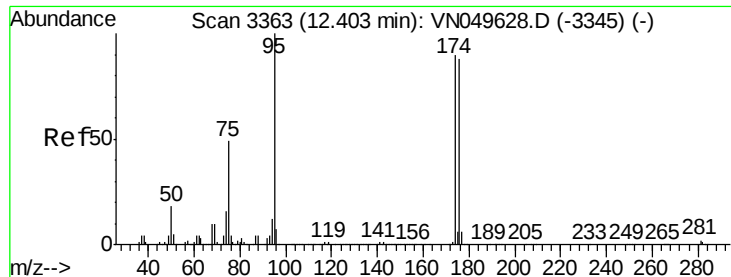
4000000

2000000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.18 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

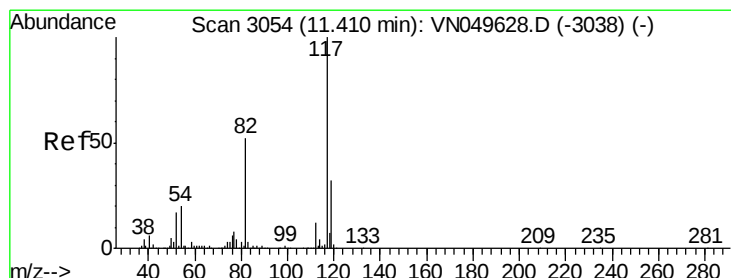
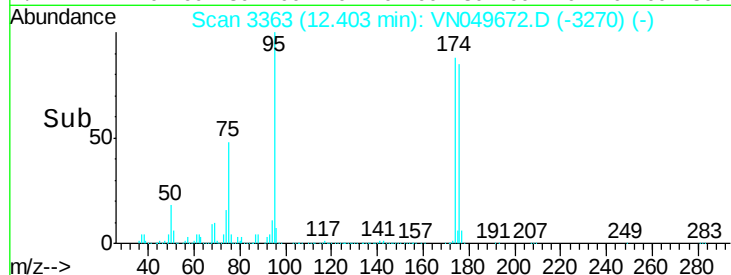
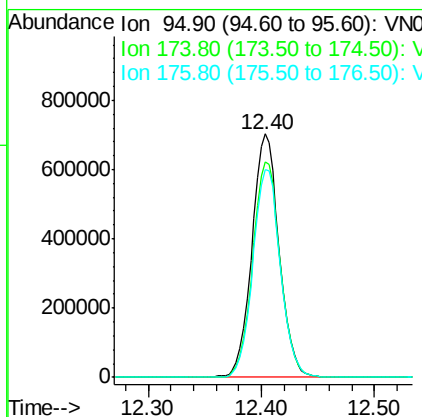
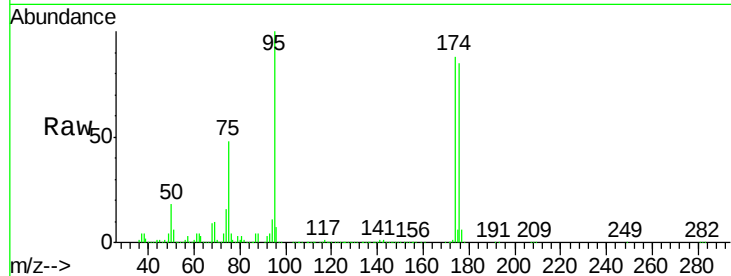
ClientSampleId :

DRUM-13

Tot Ion:	95	Resp:	1167411
Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	179.6
176	86.7	0.0	174.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

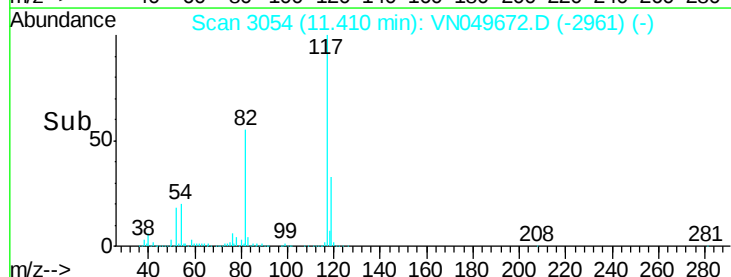
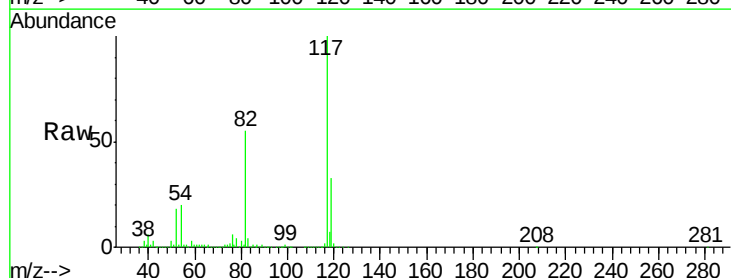
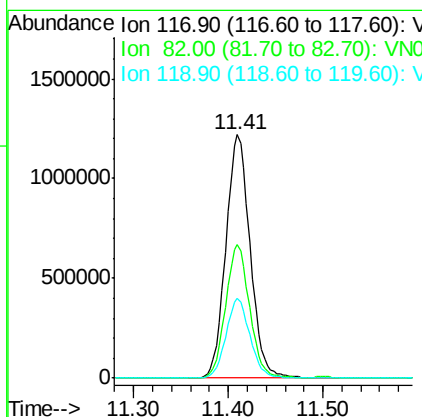
RT: 11.41 min Scan# 3054

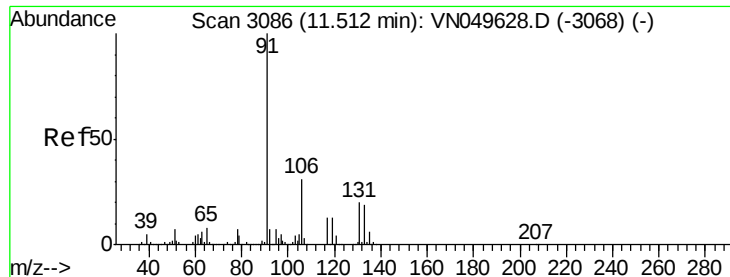
Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Tgt Ion:	117	Resp:	2172675
Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.9	62.9
119	32.6	25.4	38.2





#67

Ethyl Benzene

Concen: 77.92 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13

Tot Ion: 91 Resp: 7300031

Ion Ratio Lower Upper

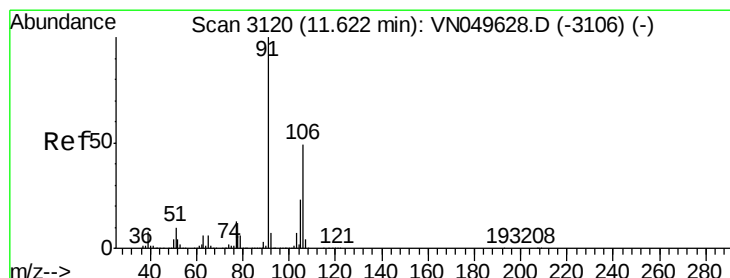
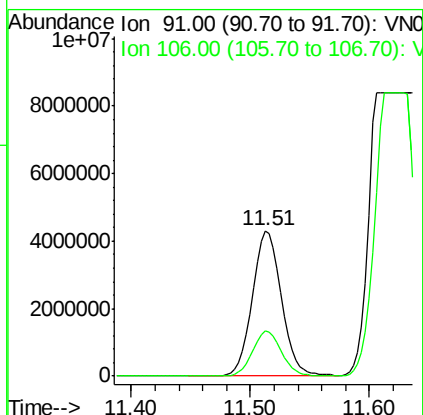
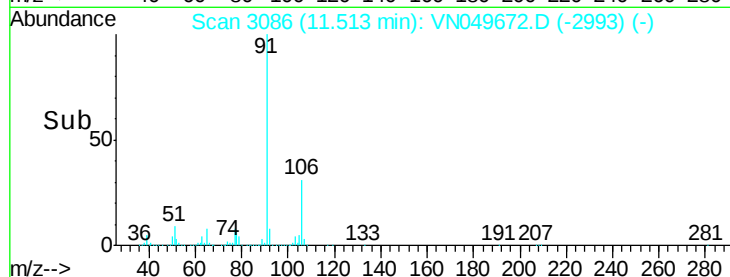
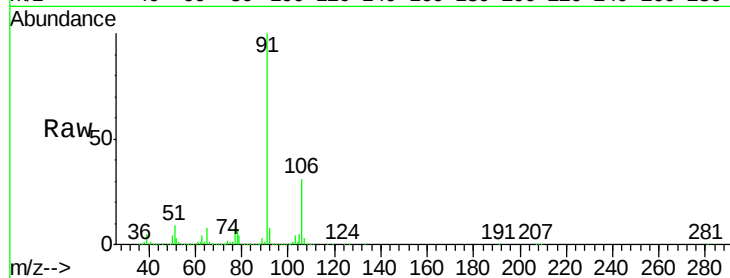
91 100

106 31.0 24.8 37.2

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#68

m/p-Xylenes

Concen: 547.89 ug/l m

RT: 11.61 min Scan# 3117

Delta R.T. -0.01 min

Lab File: VN049672.D

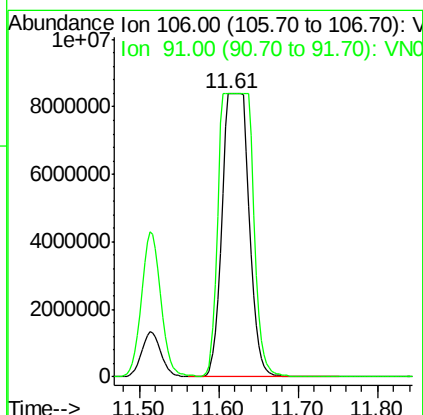
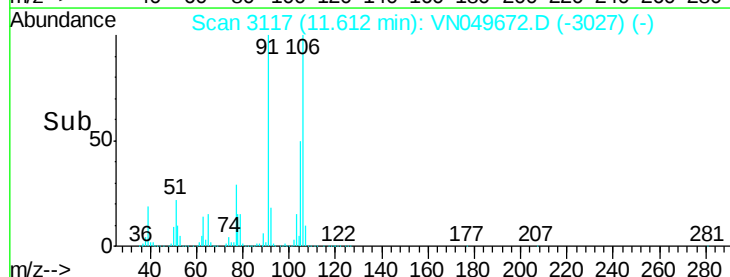
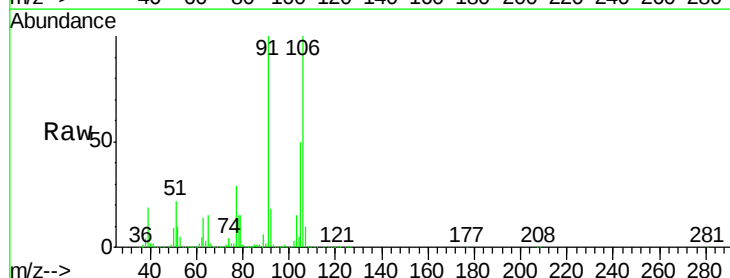
Acq: 2 Jul 2018 16:27

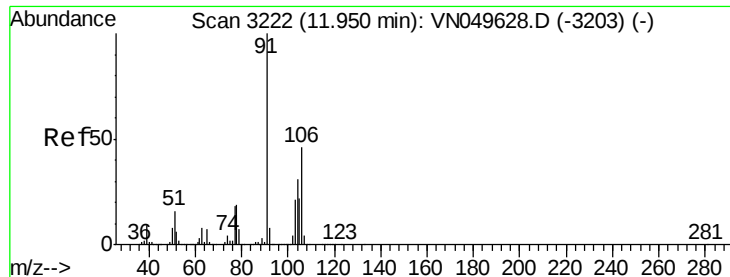
Tgt Ion: 106 Resp: 19672254

Ion Ratio Lower Upper

106 100

91 37.1 163.4 245.2#





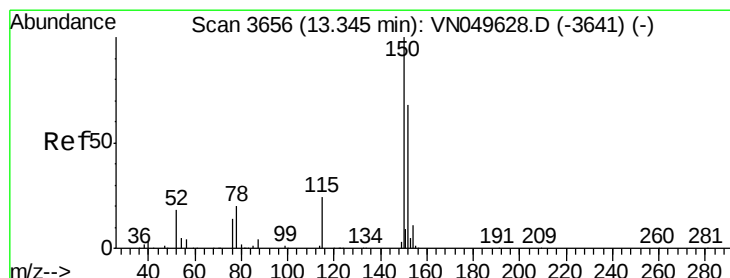
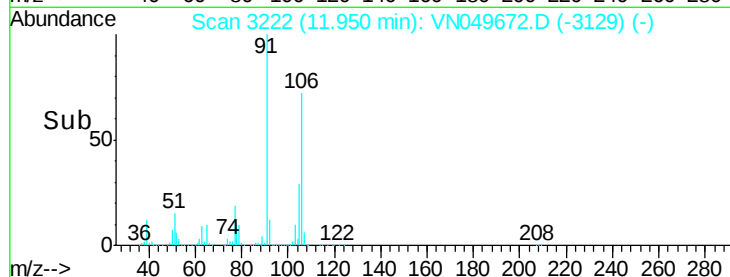
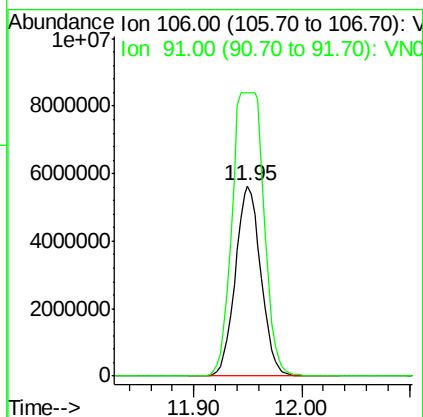
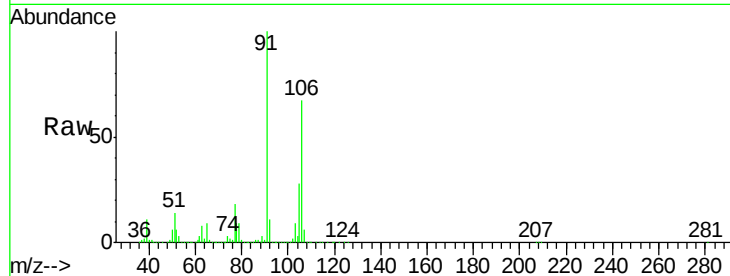
#69
o-Xylene
Concen: 270.37 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049672.D
Acq: 2 Jul 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
DRUM-13

Tot Ion:106 Resp: 9294191
Ion Ratio Lower Upper
106 100
91 0.0 108.7 326.1#

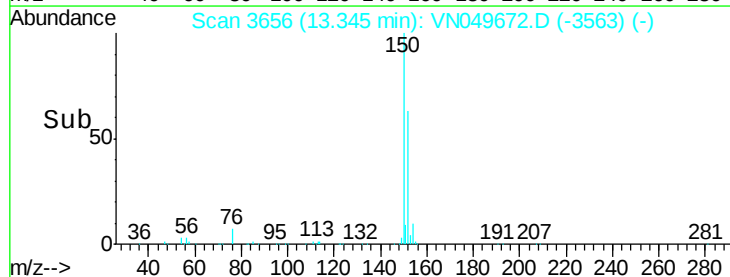
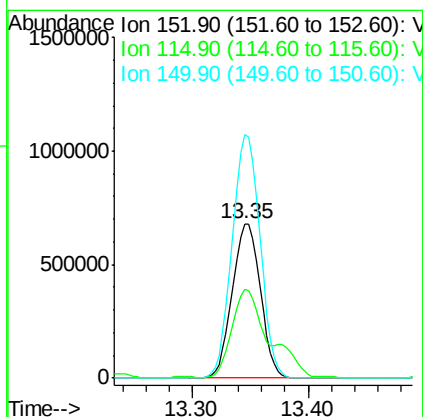
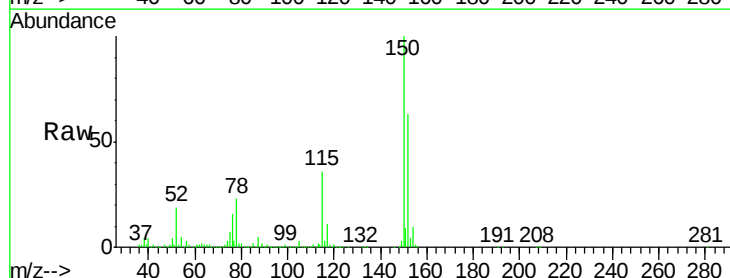
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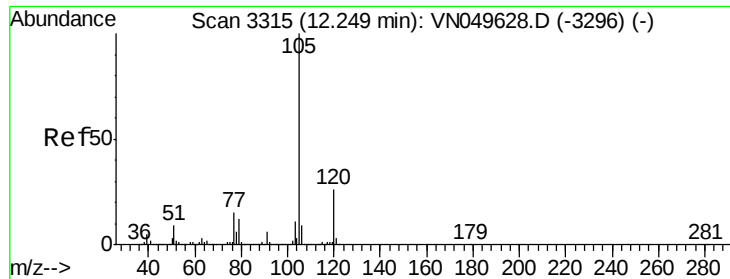
sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049672.D
Acq: 2 Jul 2018 16:27

Tgt Ion:152 Resp: 1135888
Ion Ratio Lower Upper
152 100
115 61.3 28.1 84.2
150 156.8 0.0 347.6





#73

Isopropylbenzene

Concen: 12.44 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13

Tot Ion: 105 Resp: 1125543

Ion Ratio Lower Upper

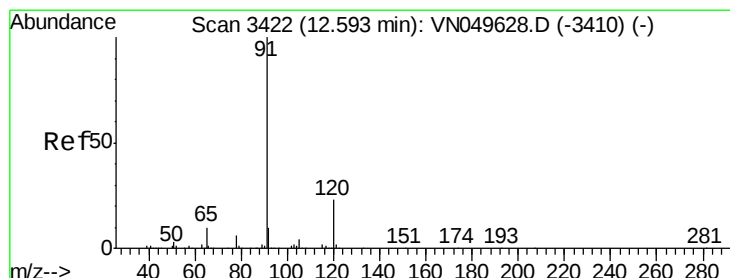
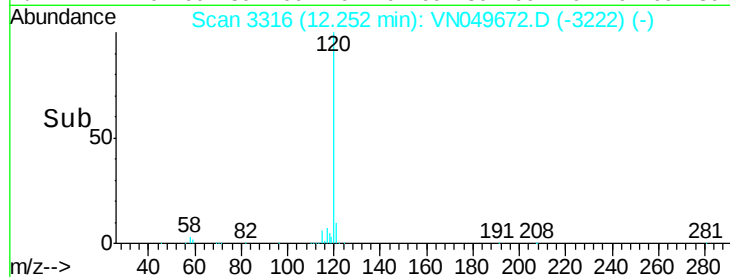
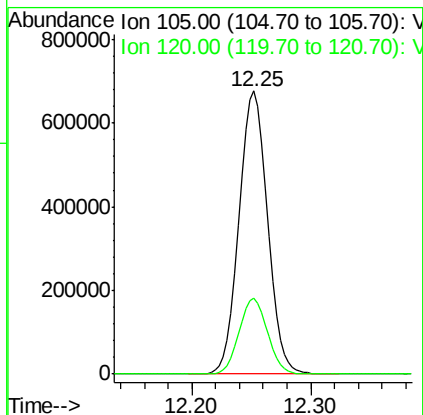
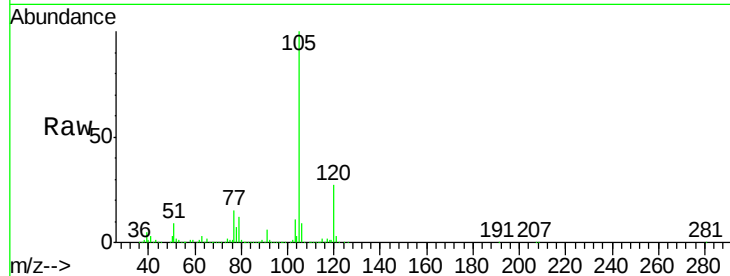
105 100

120 26.7 13.3 39.8

Manual Integrations
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sam

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#78

n-propylbenzene

Concen: 21.60 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049672.D

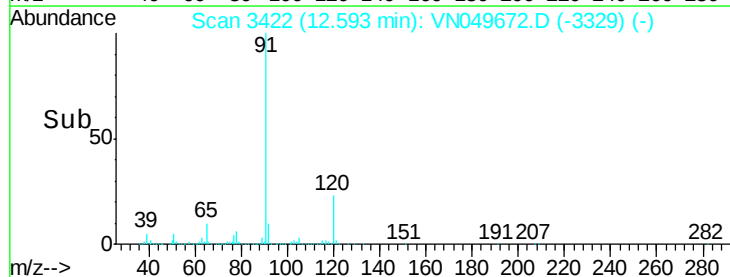
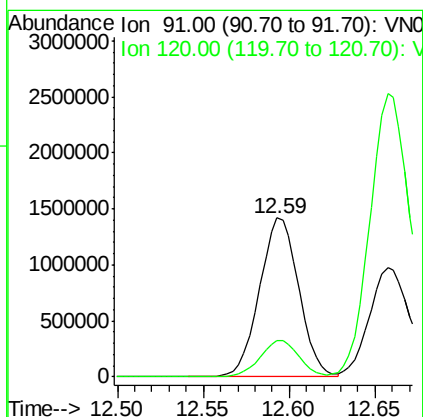
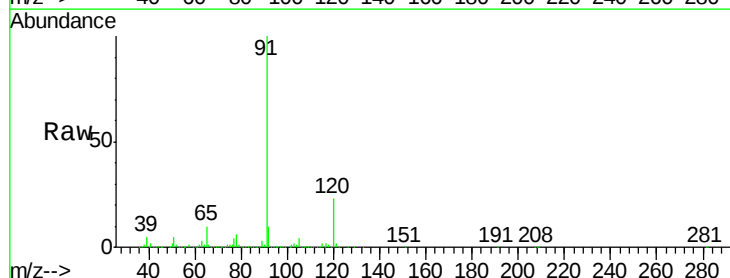
Acq: 2 Jul 2018 16:27

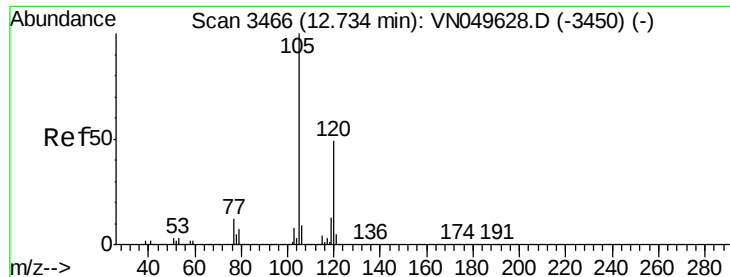
Tgt Ion: 91 Resp: 2240260

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





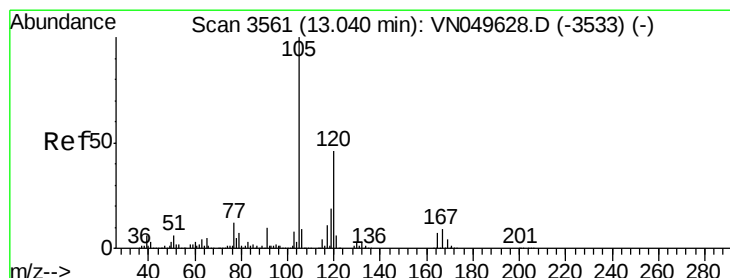
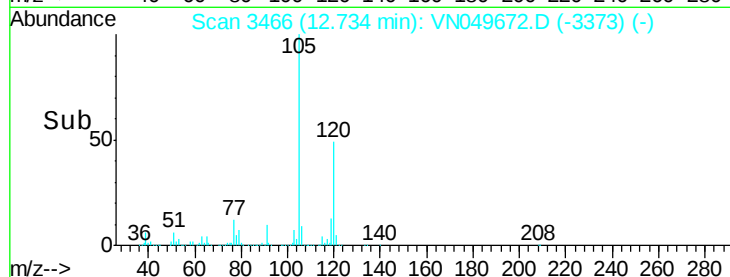
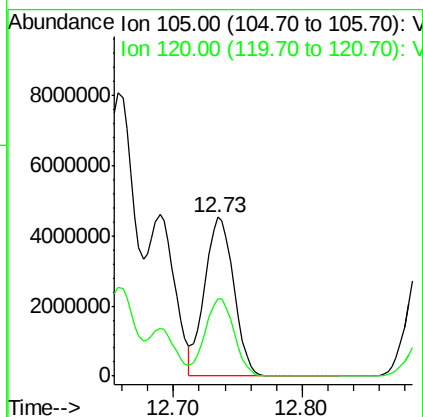
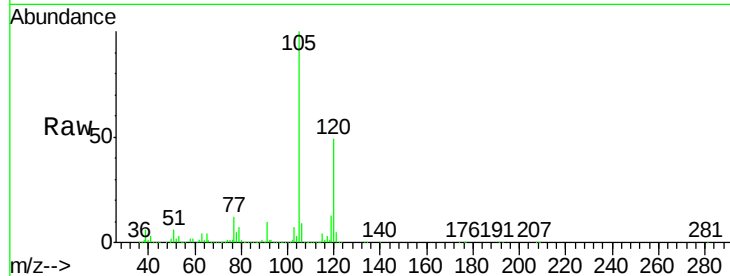
#80
 1,3,5-Trimethylbenzene
 Concen: 94.68 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049672.D
 Acq: 2 Jul 2018 16:27

Instrument :
 MSVOA_N
 ClientSampled :
 DRUM-13

Tot Ion:105 Resp: 7118792
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8

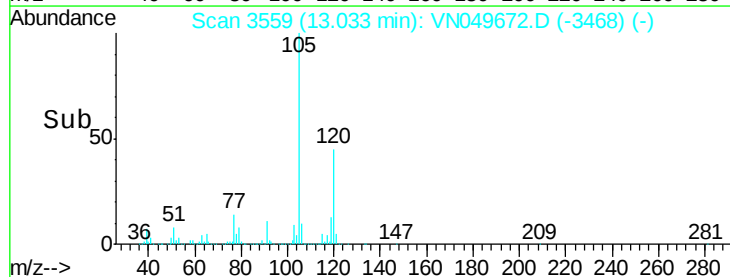
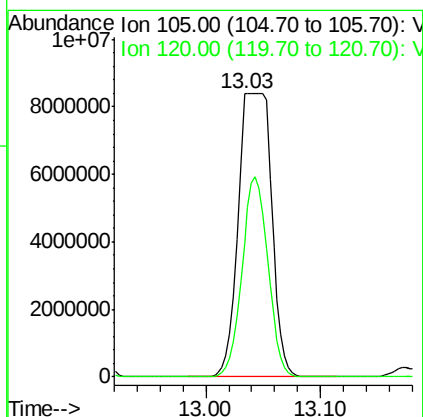
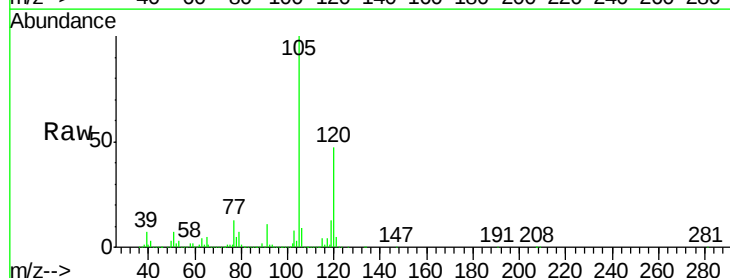
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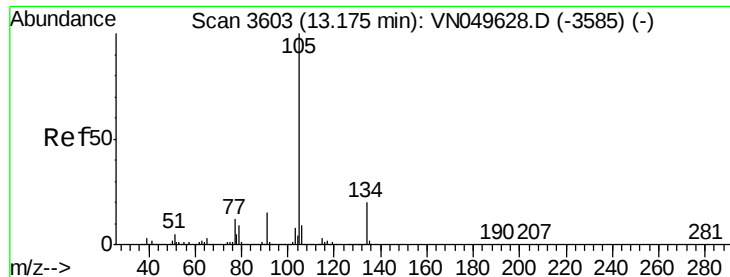
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 219.80 ug/l m
 RT: 13.03 min Scan# 3559
 Delta R.T. -0.01 min
 Lab File: VN049672.D
 Acq: 2 Jul 2018 16:27

Tgt Ion:105 Resp:16981435
 Ion Ratio Lower Upper
 105 100
 120 10.7 22.7 68.1#





#85

sec-Butylbenzene

Concen: 5.11 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13

Tot Ion: 105 Resp: 436869

Ion Ratio Lower Upper

105 100

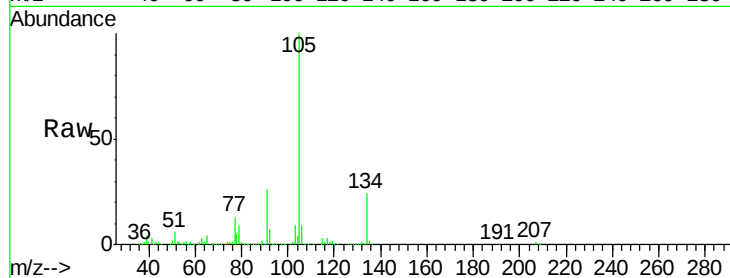
134 37.3 10.1 30.1#

Manual Integrations

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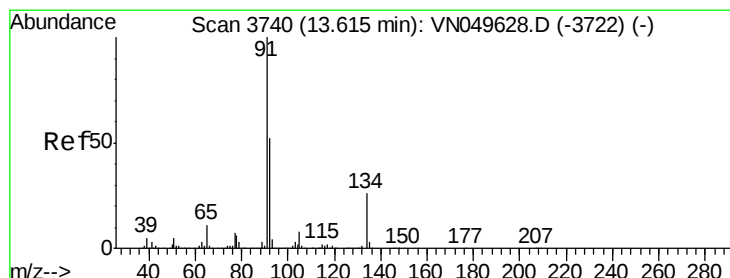
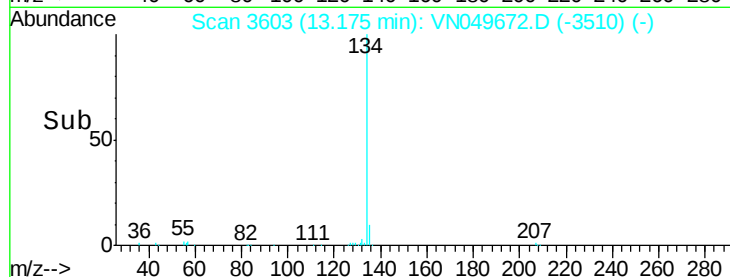
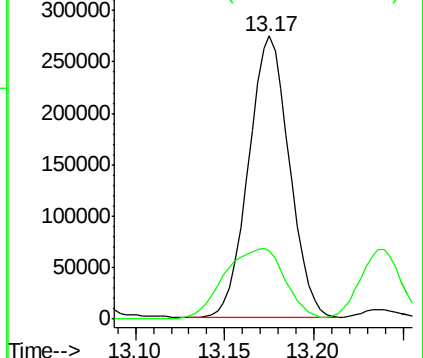
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 4.35 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049672.D

Acq: 2 Jul 2018 16:27

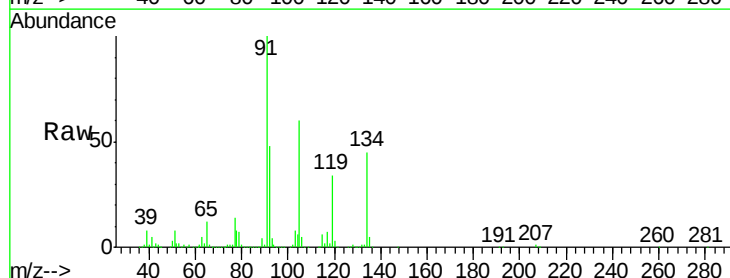
Tgt Ion: 91 Resp: 275923

Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.3#

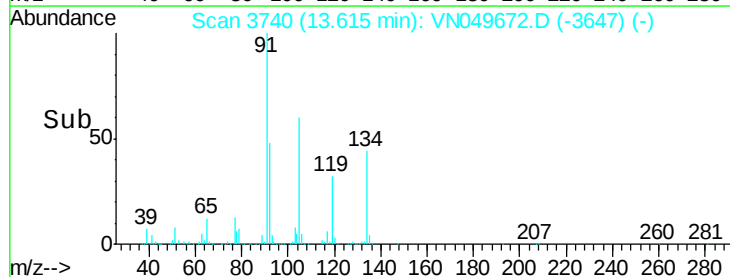
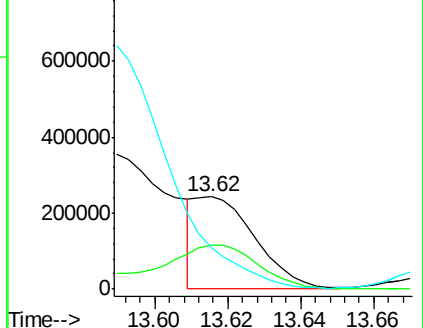
134 436.2 13.0 38.9#

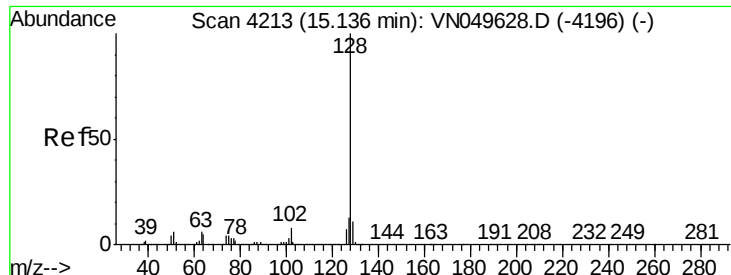


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 25.48 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049672.D
Acq: 2 Jul 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
DRUM-13

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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sam
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