

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053298.D
 Acq On : 7 Jan 2019 12:20
 Operator : MD\SY
 Sample : K1053-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-4-DRUM

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:25:05 AM

Quant Time: Jan 08 03:09:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1011515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1557570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1455278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	659856	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	499022	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
35) Dibromofluoromethane	7.59	113	441550	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
50) Toluene-d8	10.09	98	1915695	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	690522	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.79	59	9690	15.309	ug/l #	82
16) Acetone	3.82	43	53127	18.910	ug/l	94
18) Methyl Acetate	4.33	43	48306	5.072	ug/l	98
20) Methylene Chloride	4.55	84	24225m	2.143	ug/l	
25) 2-Butanone	6.83	43	349813	81.024	ug/l	99
40) Benzene	8.04	78	139223	3.134	ug/l	100
52) Toluene	10.16	92	188522	6.918	ug/l	100
67) Ethyl Benzene	11.51	91	37857	0.705	ug/l	99
68) m/p-Xylenes	11.62	106	55180	2.732	ug/l	99
69) o-Xylene	11.95	106	24888	1.259	ug/l	99
70) Styrene	11.96	104	48165	1.496	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	22436	0.567	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	57728	1.432	ug/l	100
95) Naphthalene	15.13	128	247459	21.330	ug/l	100

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

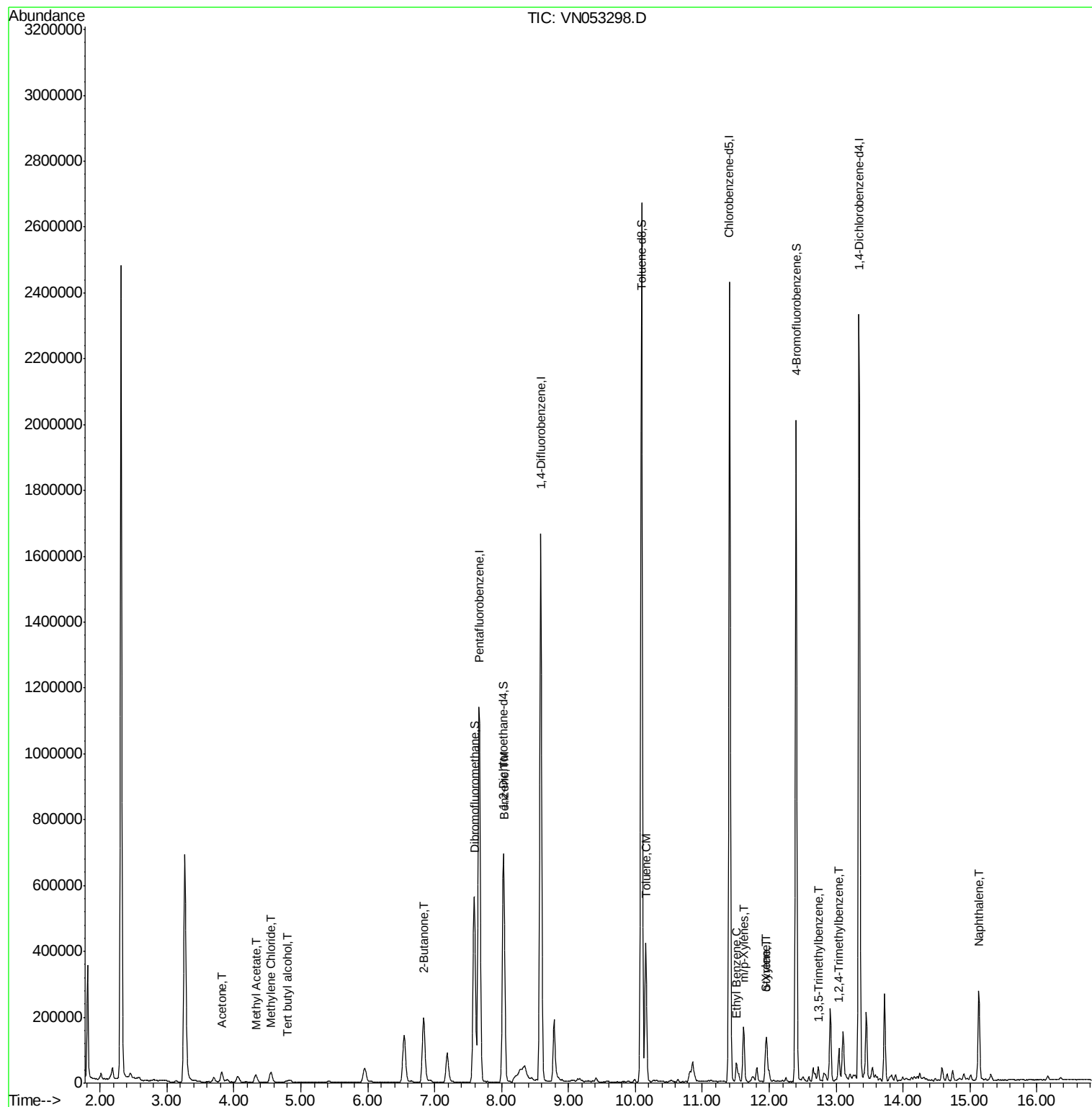
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010719\
Data File : VN053298.D
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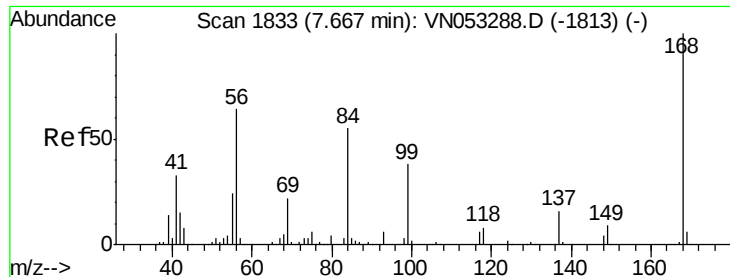
Instrument :
MSVOA_N
ClientSampleId :
COMP-4-DRUM

Manual Integrations
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Quant Time: Jan 08 03:09:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 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: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

COMP-4-DRUM

Tot Ion:168 Resp: 1011515

Ion Ratio Lower Upper

168 100

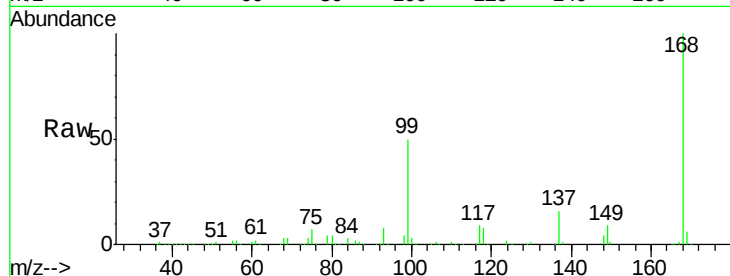
99 49.6 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

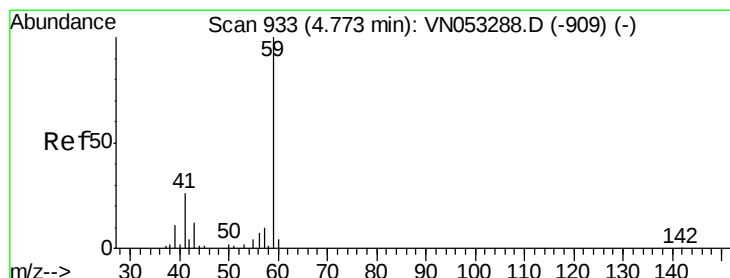
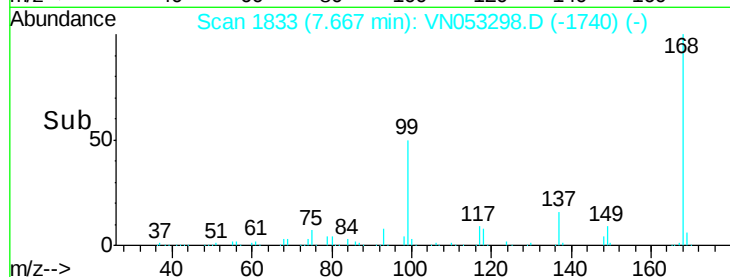
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 15.309 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN053298.D

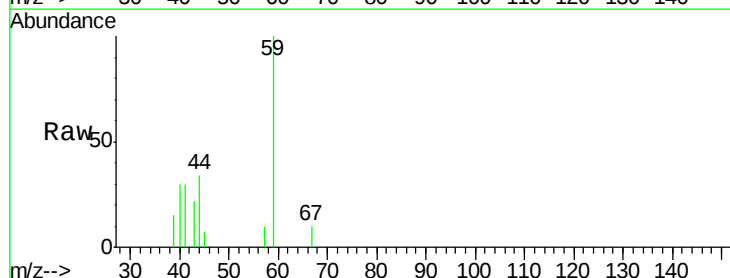
Acq: 7 Jan 2019 12:20

Tgt Ion: 59 Resp: 9690

Ion Ratio Lower Upper

59 100

57 3.4 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.79

3000

2500

2000

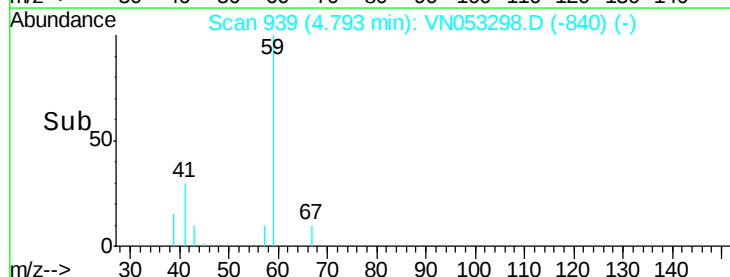
1500

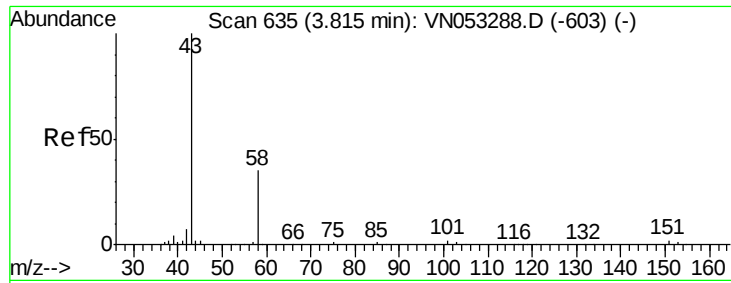
1000

500

0

Time-->





#16

Acetone

Concen: 18.910 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

COMP-4-DRUM

Tot Ion: 43 Resp: 53127

Ion Ratio Lower Upper

43 100

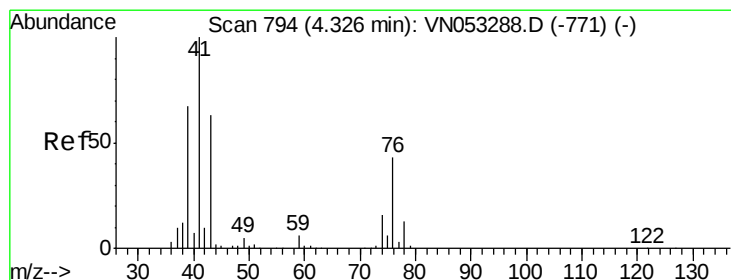
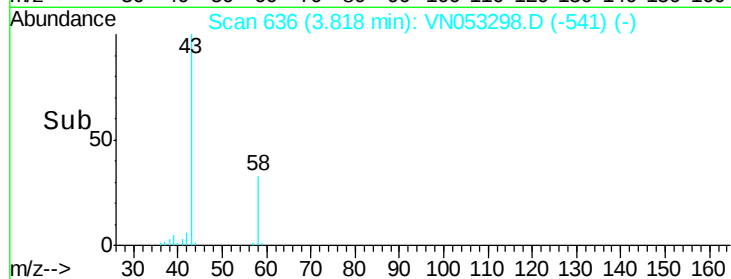
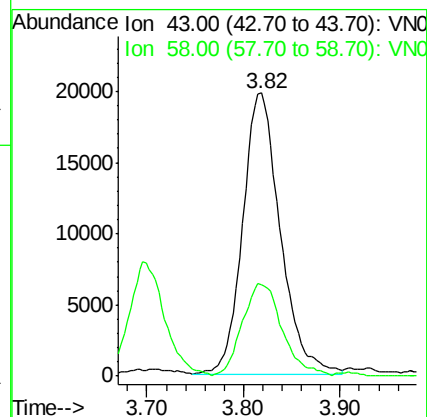
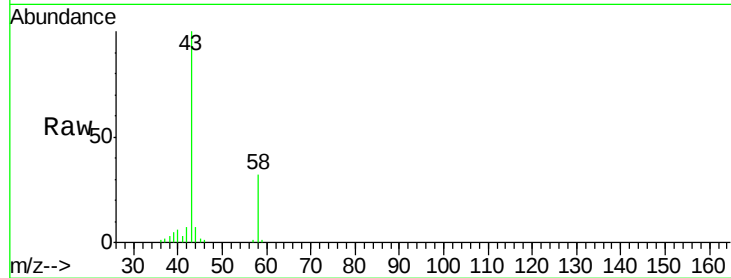
58 31.4 27.8 41.6

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#18

Methyl Acetate

Concen: 5.072 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053298.D

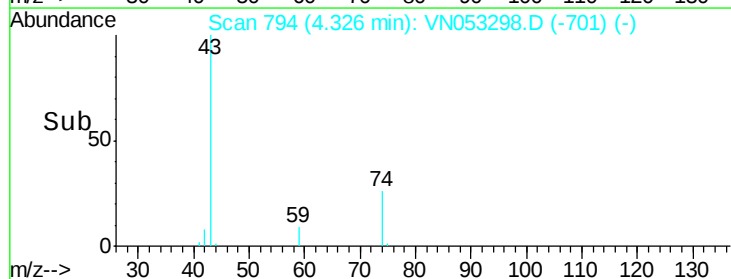
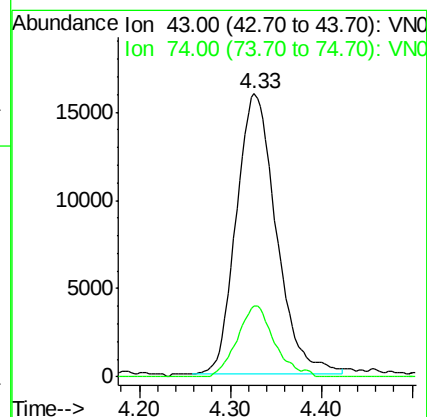
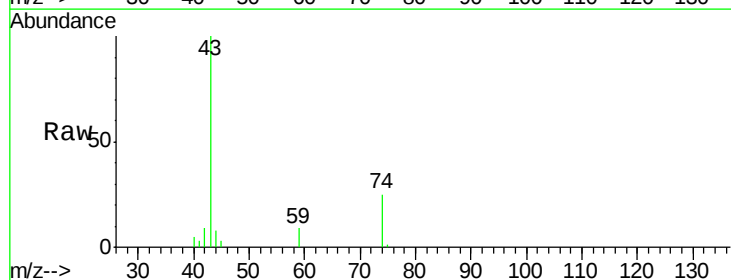
Acq: 7 Jan 2019 12:20

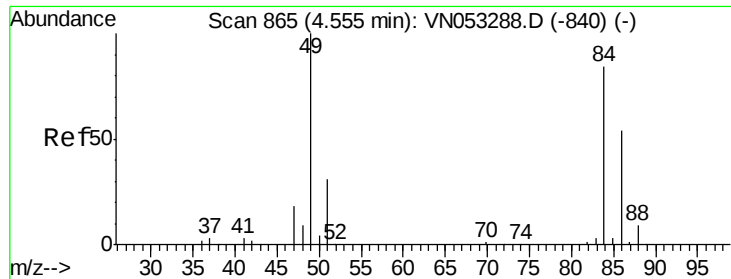
Tgt Ion: 43 Resp: 48306

Ion Ratio Lower Upper

43 100

74 23.7 19.8 29.8





#20

Methvlene Chloride

Concen: 2.143 ug/l m

RT: 4.55 min Scan# 863

Delta R.T. -0.01 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

COMP-4-DRUM

Tot Ion: 84 Resp: 24225

Ion Ratio Lower Upper

84 100

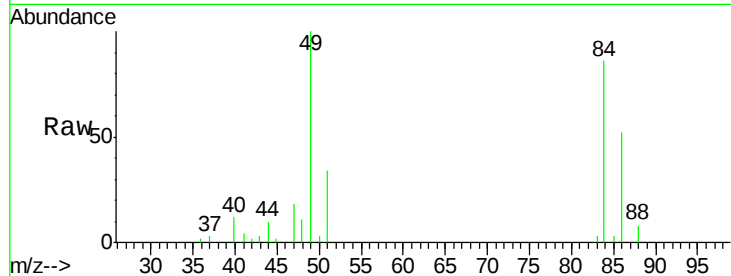
49 115.9 95.3 142.9

51 39.3 29.0 43.6

86 60.5 51.7 77.5

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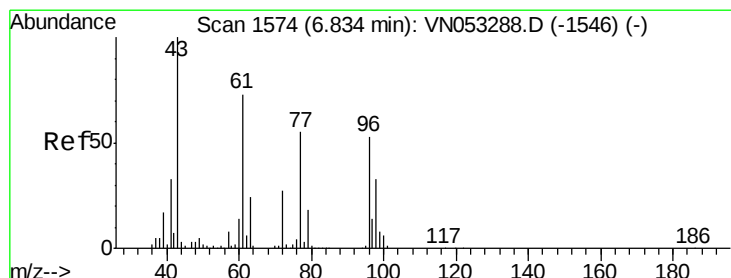
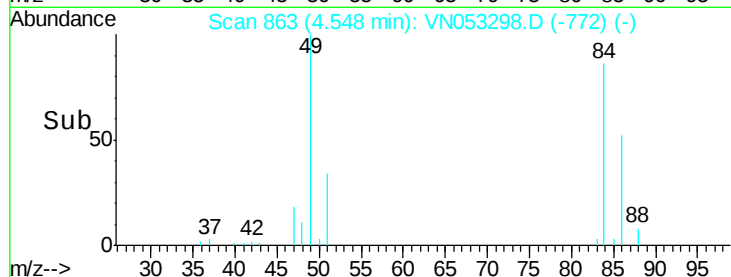
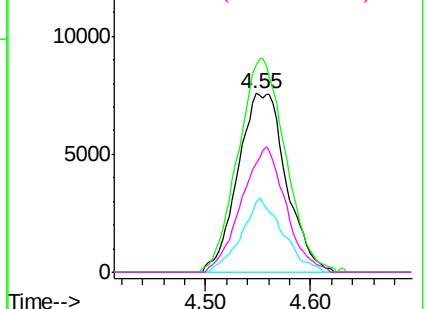


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 81.024 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053298.D

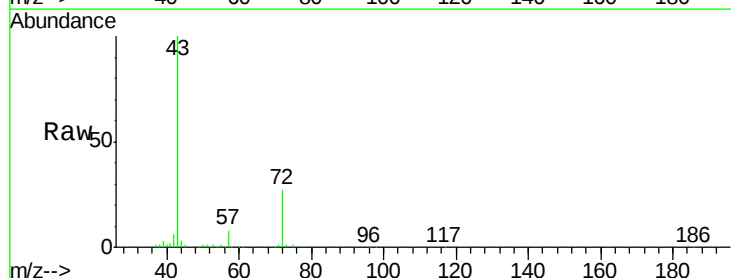
Acq: 7 Jan 2019 12:20

Tgt Ion: 43 Resp: 349813

Ion Ratio Lower Upper

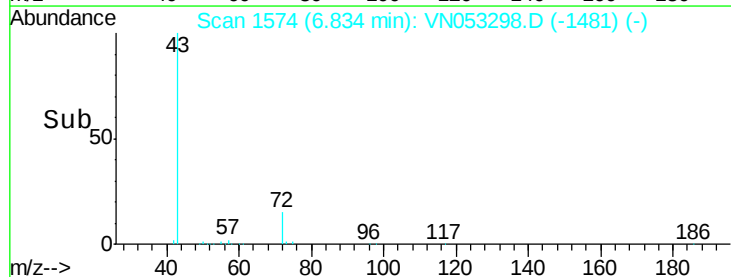
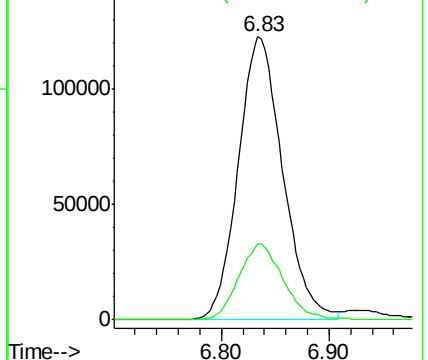
43 100

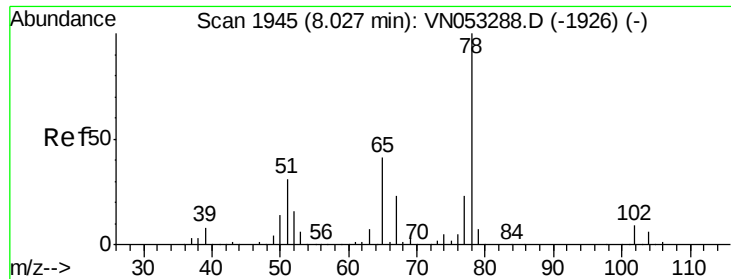
72 27.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





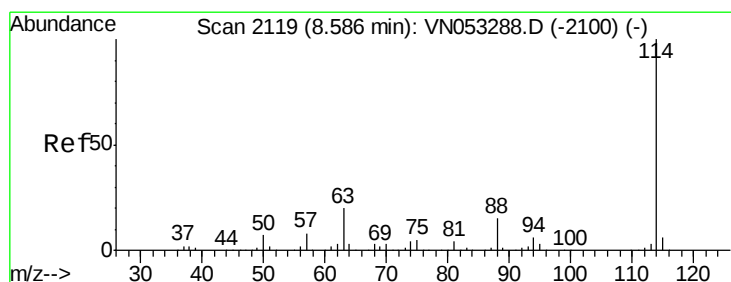
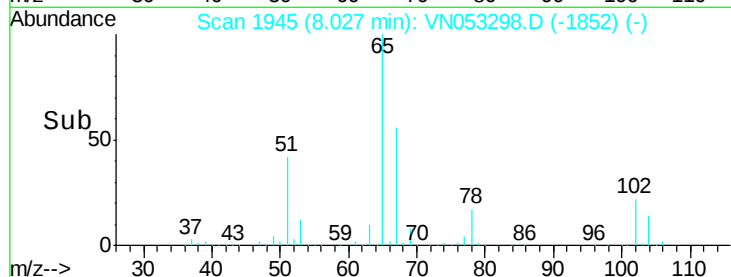
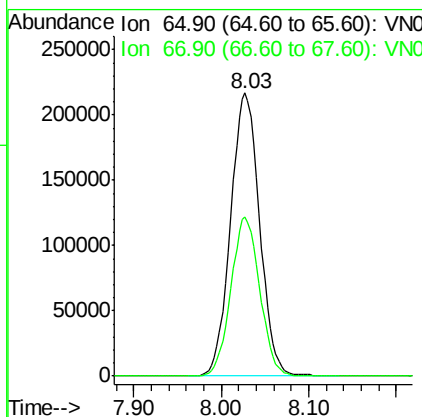
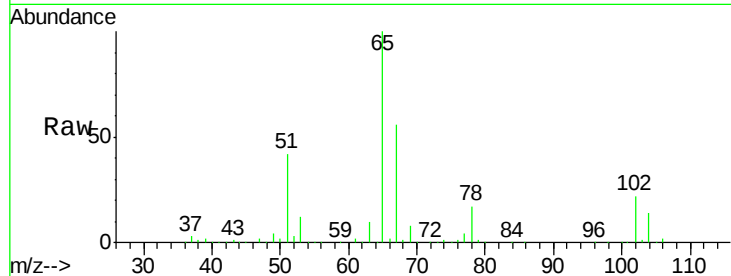
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053298.D
 Acq: 7 Jan 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-4-DRUM

Tot Ion: 65 Resp: 499022
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0

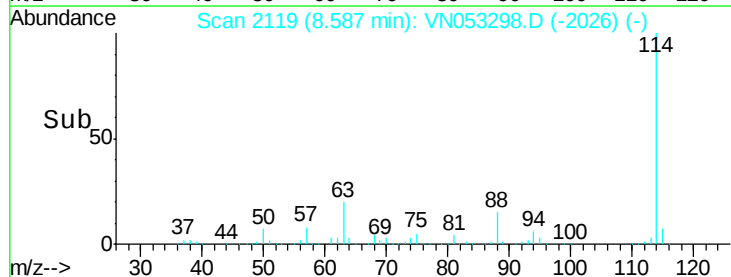
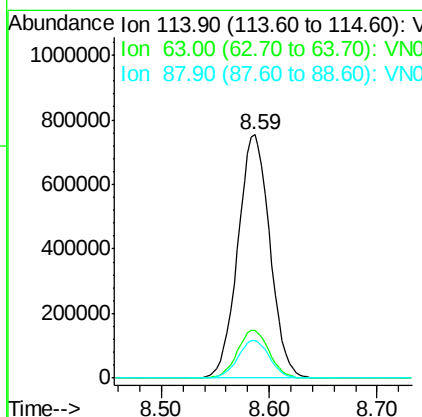
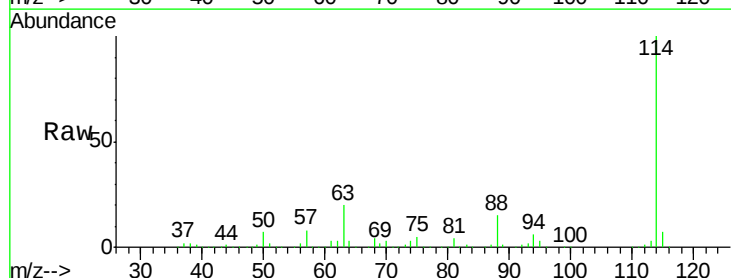
Manual Integrations
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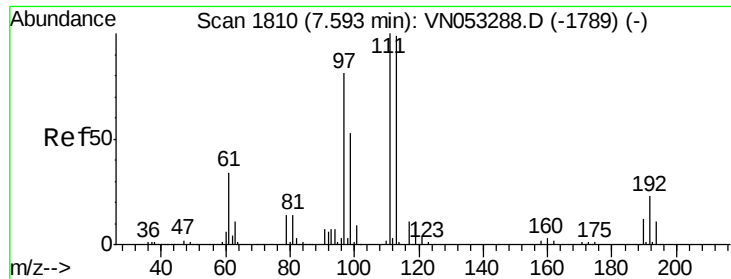
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053298.D
 Acq: 7 Jan 2019 12:20

Tgt Ion: 114 Resp: 1557570
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.8





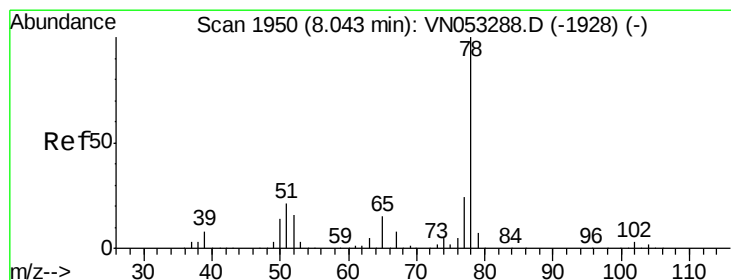
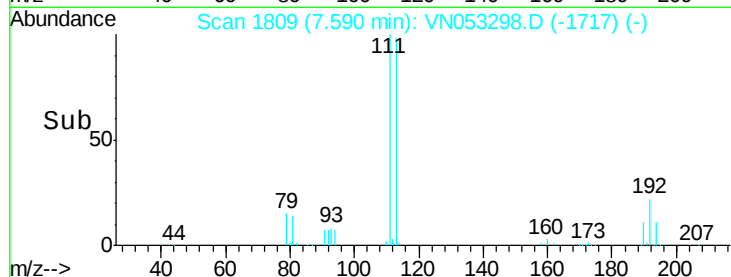
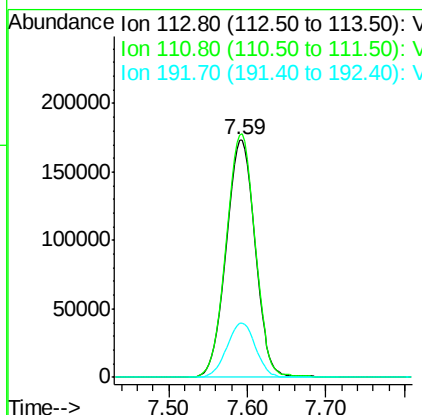
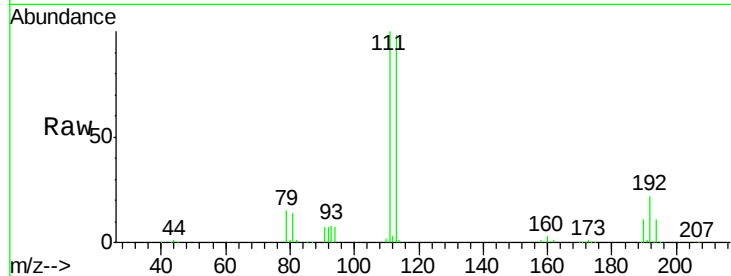
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
COMP-4-DRUM

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	22.7	17.9	26.9

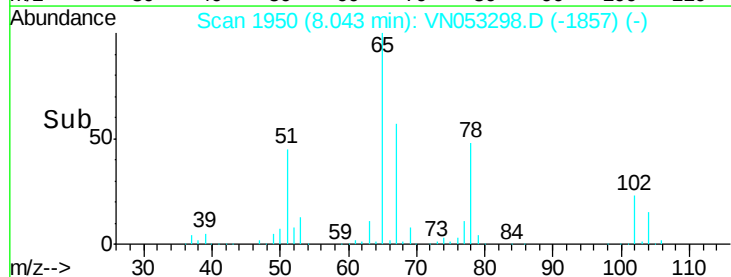
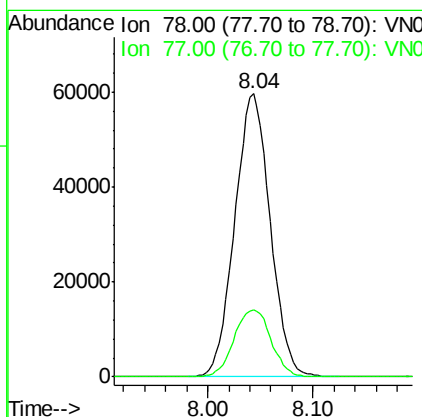
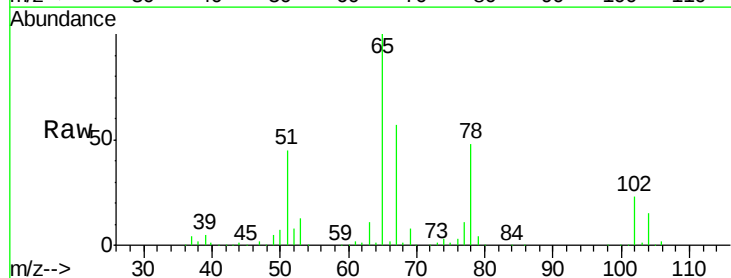
Manual Integrations
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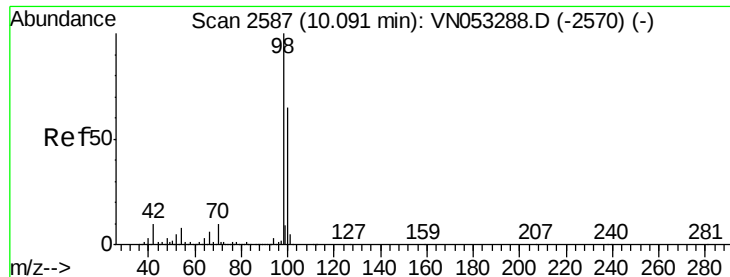
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#40
Benzene
Concen: 3.134 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

COMP-4-DRUM

Tot Ion: 98 Resp: 1915695

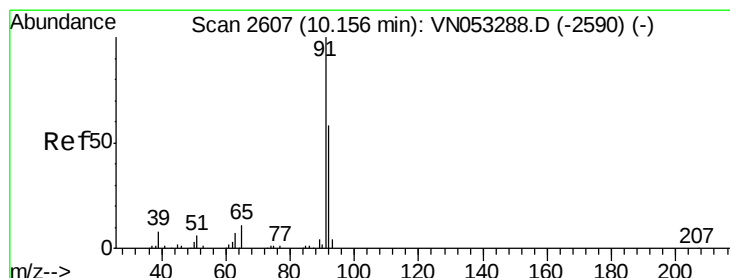
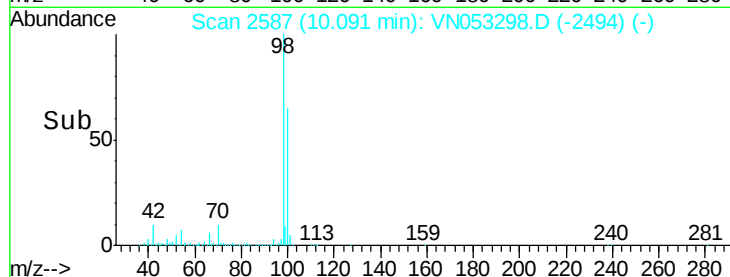
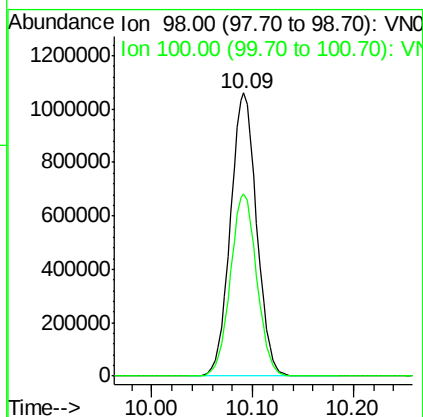
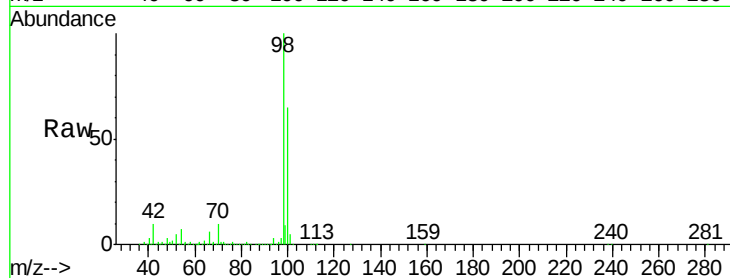
Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3

Manual Integrations
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#52

Toluene

Concen: 6.918 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053298.D

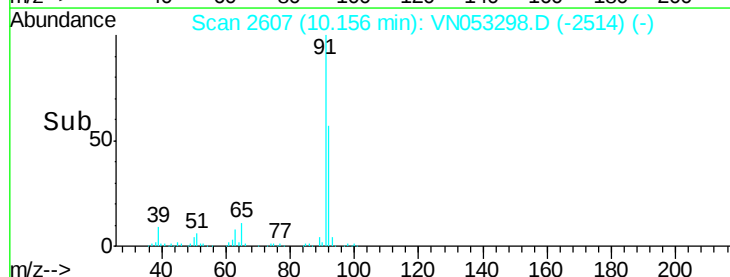
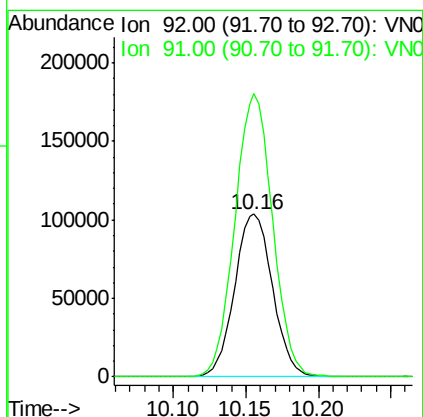
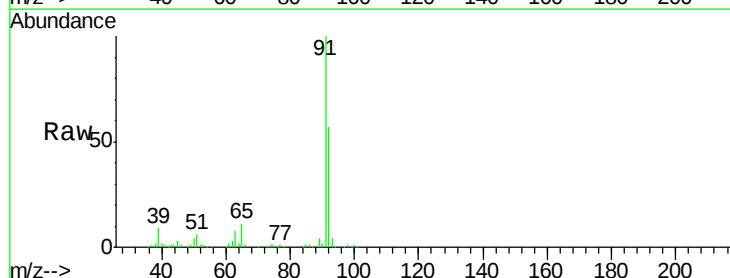
Acq: 7 Jan 2019 12:20

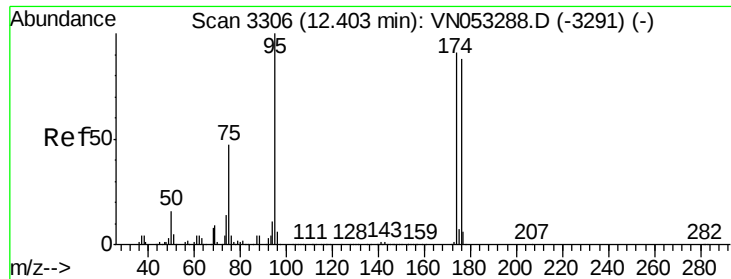
Tgt Ion: 92 Resp: 188522

Ion Ratio Lower Upper

92 100

91 172.9 138.6 208.0





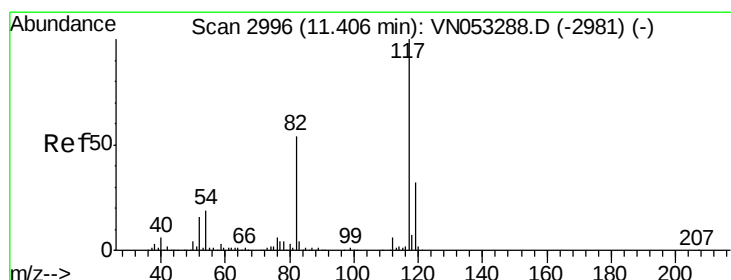
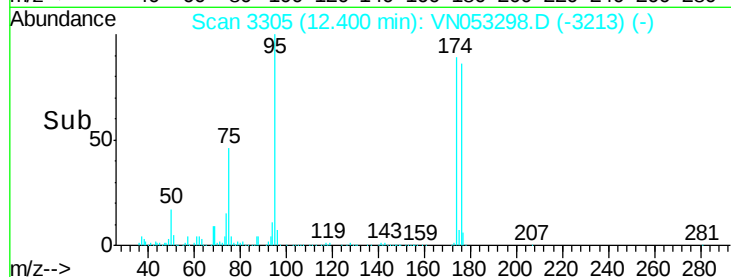
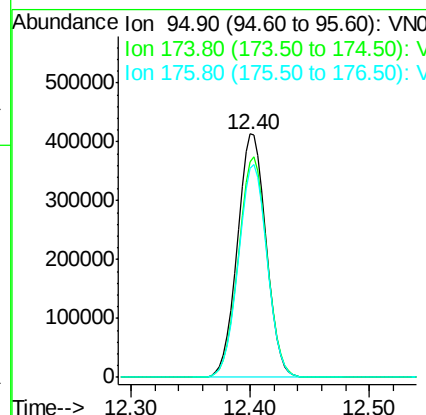
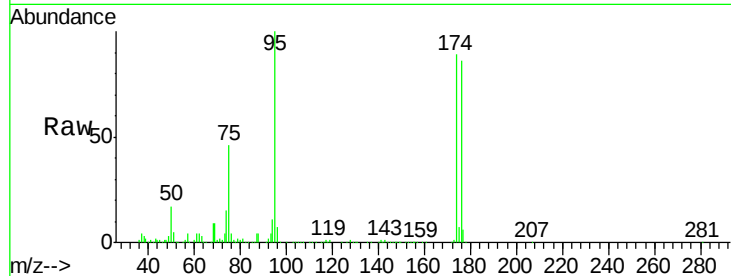
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
COMP-4-DRUM

Tot Ion	Ratio	Resp	Lower	Upper
95	100	690522		
174	90.0	0.0	180.4	
176	87.6	0.0	175.6	

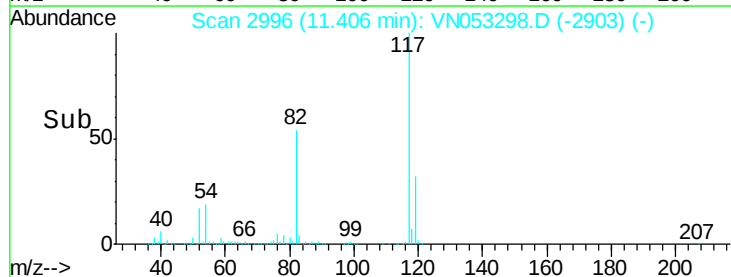
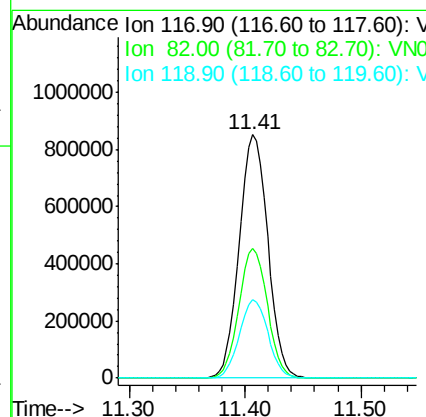
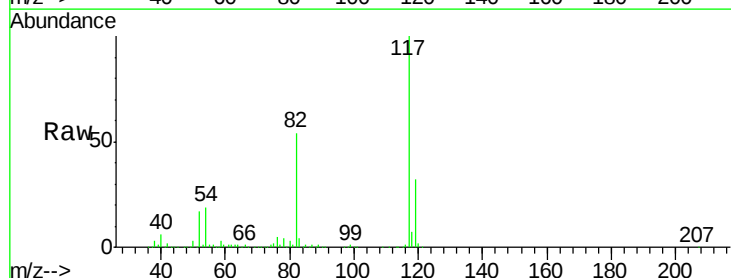
Manual Integrations
APPROVED

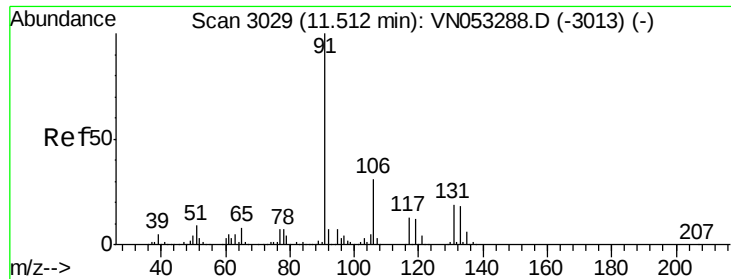
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1455278		
82	53.5	42.9	64.3	
119	32.0	25.6	38.4	





#67

Ethyl Benzene

Concen: 0.705 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

COMP-4-DRUM

Tot Ion: 91 Resp: 37857

Ion Ratio Lower Upper

91 100

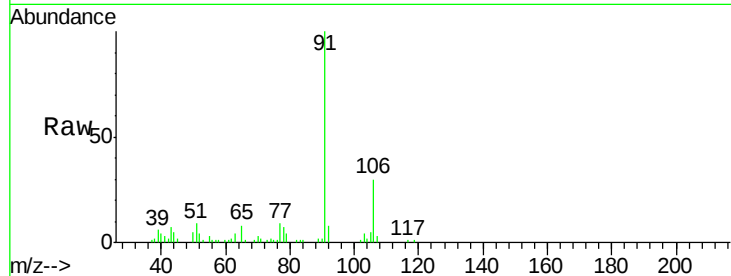
106 30.5 25.0 37.4

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Abundance Ion 91.00 (90.70 to 91.70): VN053298.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN053298.D (-2936) (-)

11.51

25000

20000

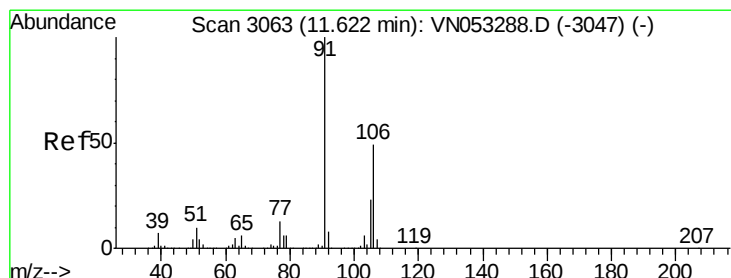
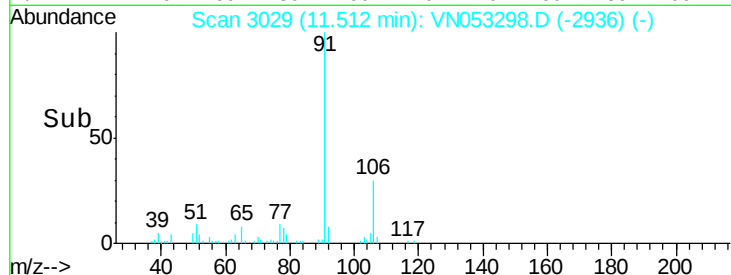
15000

10000

5000

0

Time-->



#68

m/p-Xylenes

Concen: 2.732 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN053298.D

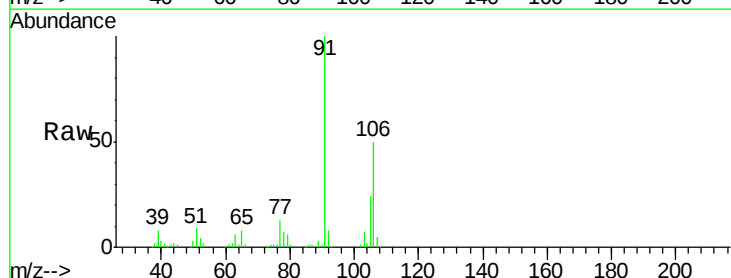
Acq: 7 Jan 2019 12:20

Tgt Ion: 106 Resp: 55180

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053298.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN053298.D (-2970) (-)

11.62

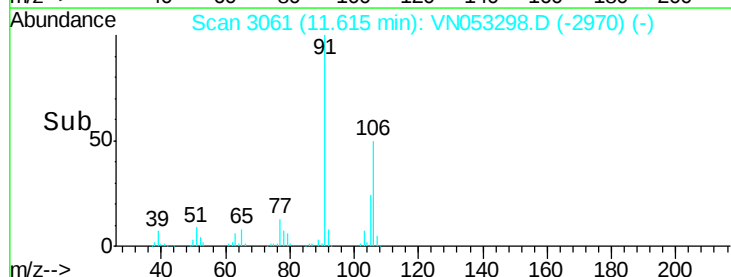
60000

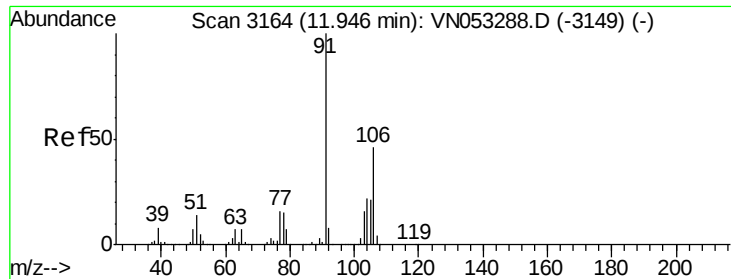
40000

20000

0

Time-->





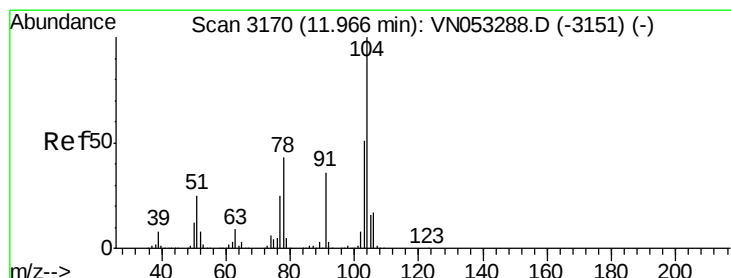
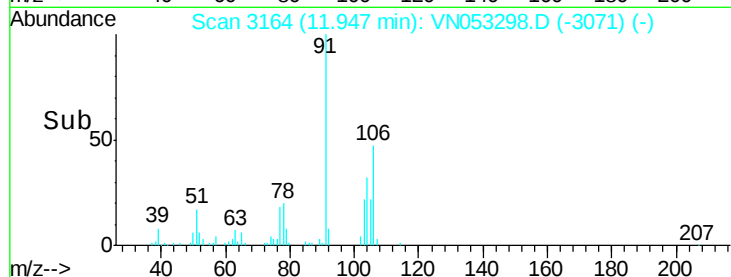
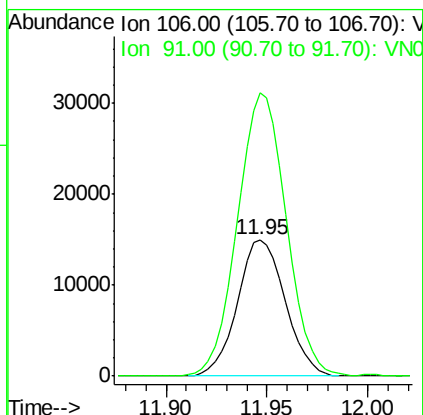
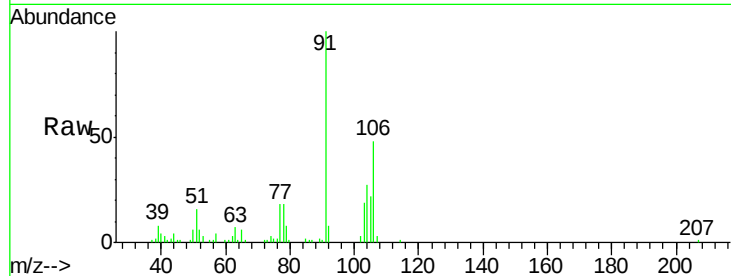
#69
o-Xylene
Concen: 1.259 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
COMP-4-DRUM

Tot Ion:106 Resp: 24888
Ion Ratio Lower Upper
106 100
91 211.7 106.8 320.4

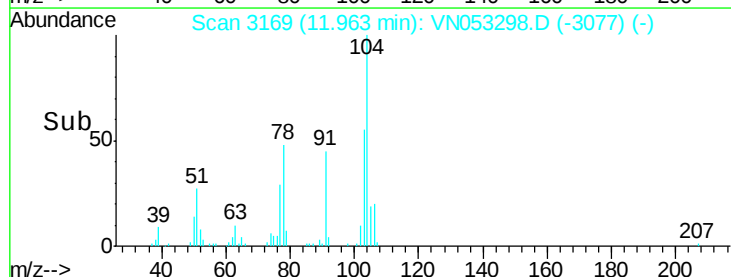
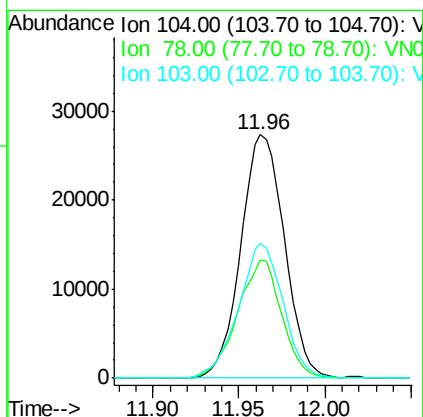
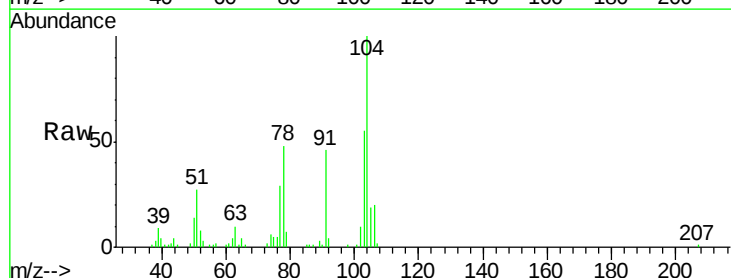
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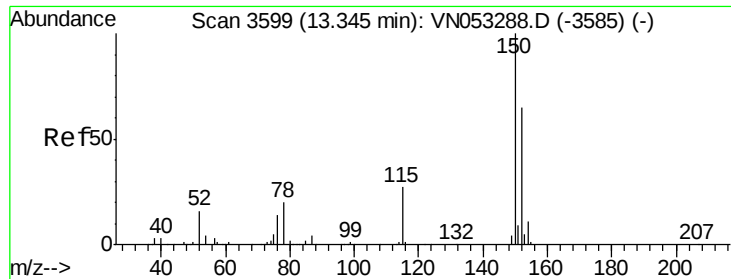
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#70
Styrene
Concen: 1.496 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053298.D
Acq: 7 Jan 2019 12:20

Tgt Ion:104 Resp: 48165
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 56.4 44.5 66.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Instrument :

MSVOA_N

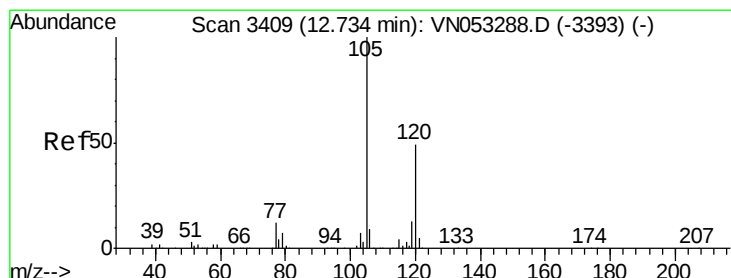
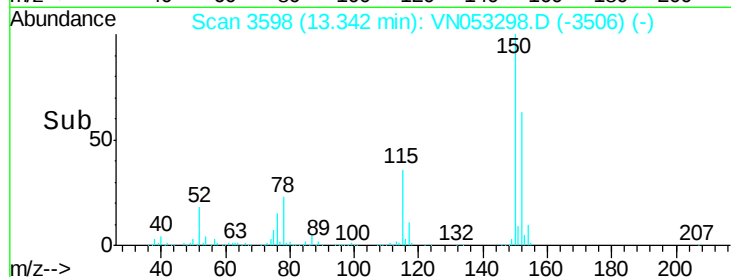
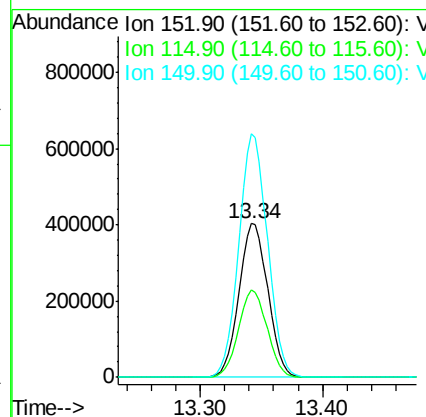
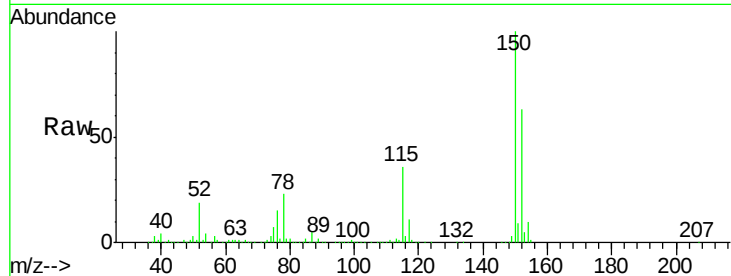
ClientSampleId :

COMP-4-DRUM

Tot Ion:	152	Resp:	659856
Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	156.9	0.0	346.6

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#80

1,3,5-Trimethylbenzene

Concen: 0.567 ug/l

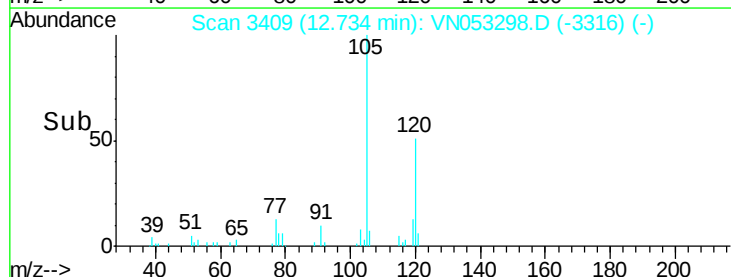
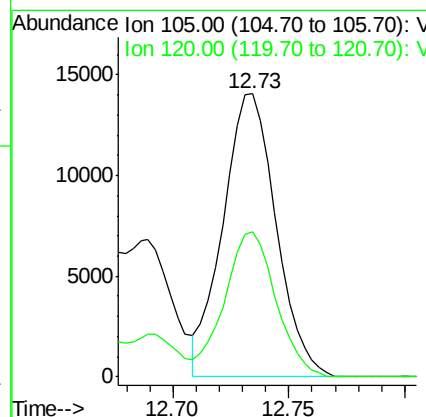
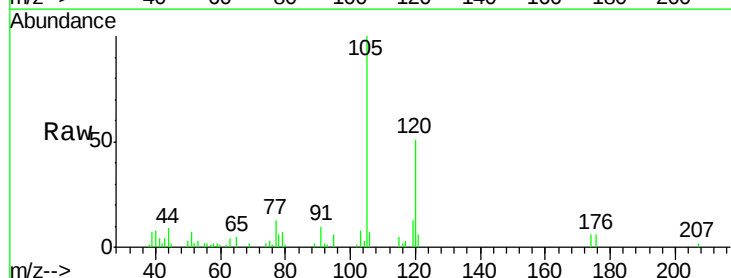
RT: 12.73 min Scan# 3409

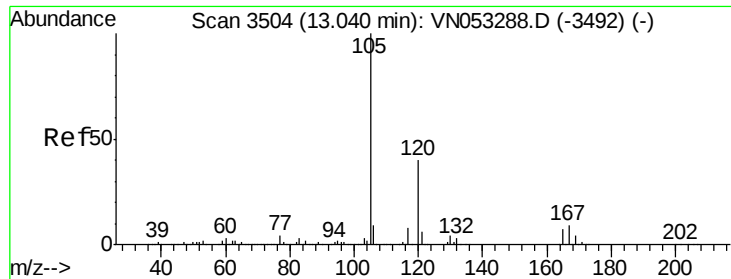
Delta R.T. 0.00 min

Lab File: VN053298.D

Acq: 7 Jan 2019 12:20

Tgt Ion:	105	Resp:	22436
Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.7	74.1





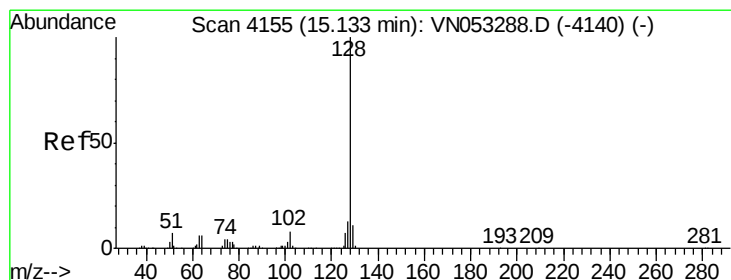
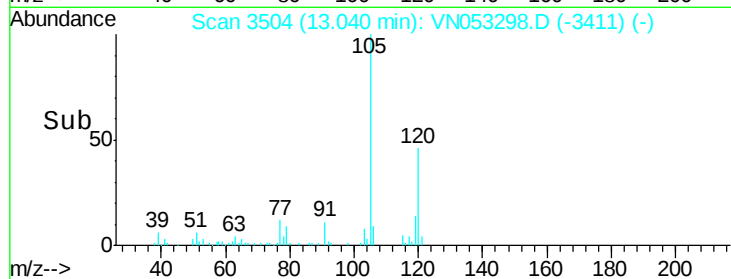
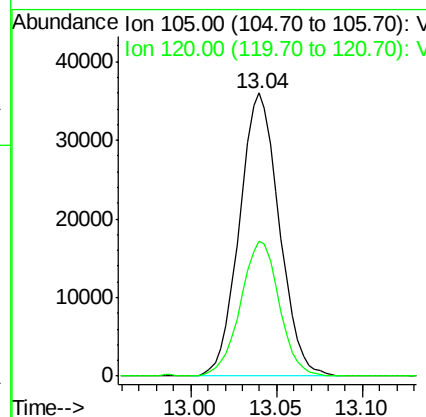
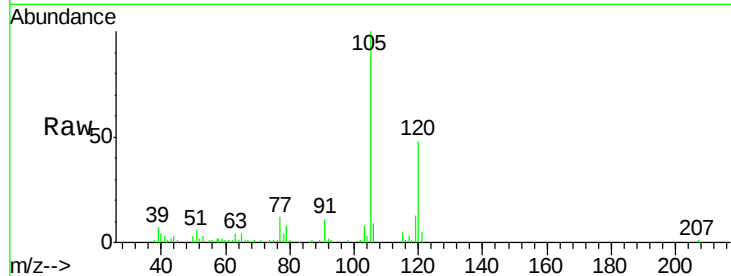
#84
 1,2,4-Trimethylbenzene
 Concen: 1.432 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053298.D
 Acq: 7 Jan 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-4-DRUM

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0

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#95
 Naphthalene
 Concen: 21.330 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053298.D
 Acq: 7 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

