

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051207.D
 Acq On : 14 Sep 2018 22:58
 Operator : MD\SY
 Sample : J4906-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-PIT-1

Manual Integrations
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 9/17/2018 1:25:27 PM

Quant Time: Sep 15 01:39:09 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	646185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342123	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	335325	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	7.59	113	335146	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1267979	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	377458	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	
Target Compounds						
						Qvalue
16) Acetone	3.82	43	48391	21.89	ug/l	95
18) Methyl Acetate	4.33	43	10933	1.90	ug/l	96
20) Methylene Chloride	4.56	84	53837	6.78	ug/l	97
25) 2-Butanone	6.85	43	12754	4.51	ug/l	93
29) Tetrahydrofuran	7.22	42	1917	1.09	ug/l #	63
31) Cyclohexane	7.66	56	517298	43.84	ug/l	99
39) Methylcyclohexane	9.08	83	683251	62.64	ug/l	100
40) Benzene	8.04	78	251872	8.45	ug/l	97
43) Isopropyl Acetate	8.17	43	285401	28.25	ug/l #	81
52) Toluene	10.16	92	37180	2.05	ug/l	97
67) Ethyl Benzene	11.51	91	687233	21.71	ug/l	100
68) m/p-Xylenes	11.62	106	128114	10.53	ug/l	98
69) o-Xylene	11.95	106	22737	1.93	ug/l	90
73) Isopropylbenzene	12.25	105	832431	29.01	ug/l	100
78) n-propylbenzene	12.59	91	1022192	32.41	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	235502	10.15	ug/l	100
83) tert-Butylbenzene	12.99	119	27706	1.35	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	221377	9.71	ug/l	100
85) sec-Butylbenzene	13.17	105	188404	7.17	ug/l	82
86) p-Isopropyltoluene	13.29	119	199743	8.97	ug/l	99
89) n-Butylbenzene	13.61	91	130612m	7.54	ug/l	
95) Naphthalene	15.13	128	379265	31.67	ug/l	99

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

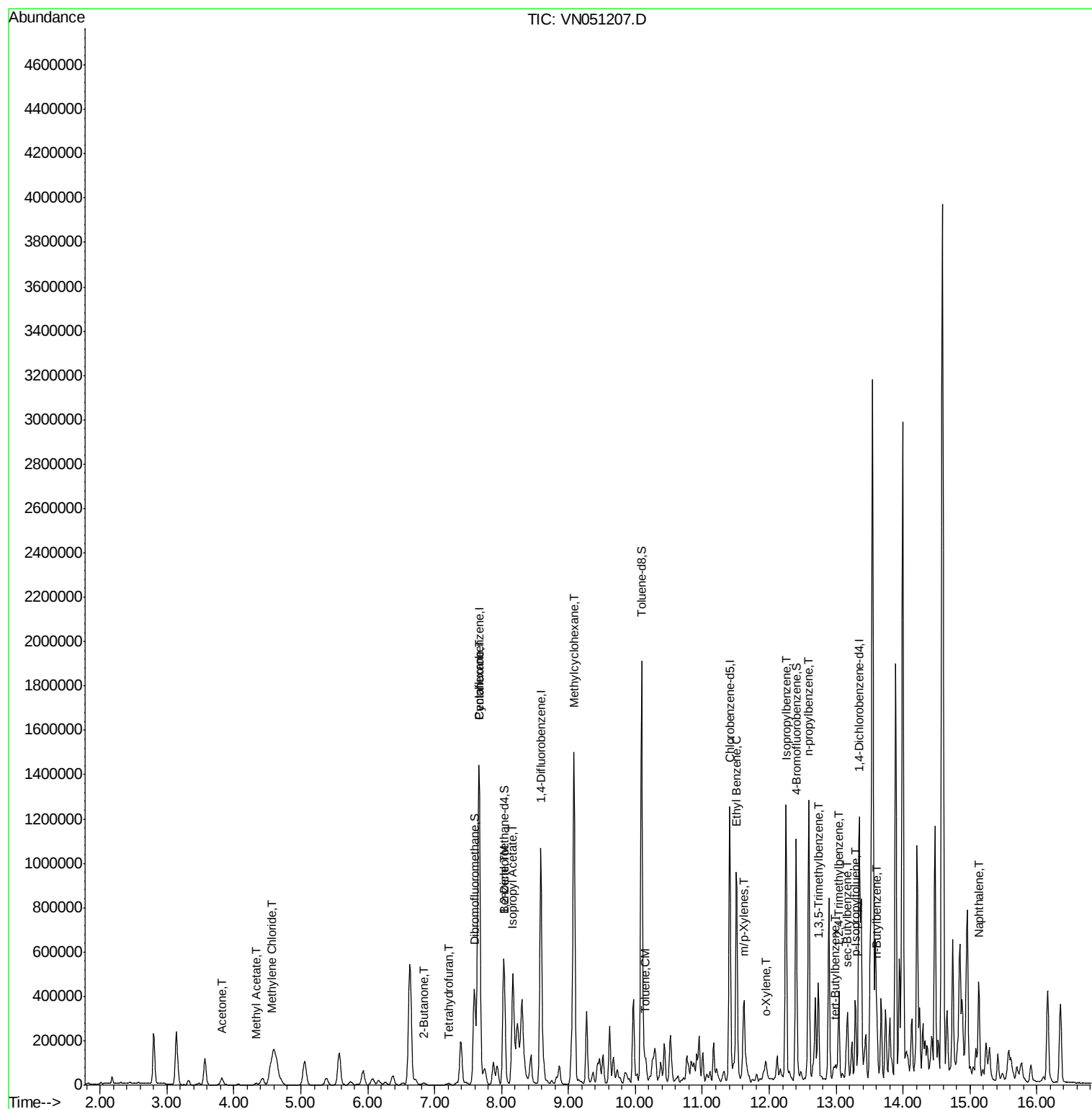
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051207.D
Acq On : 14 Sep 2018 22:58
Operator : MD\SY
Sample : J4906-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

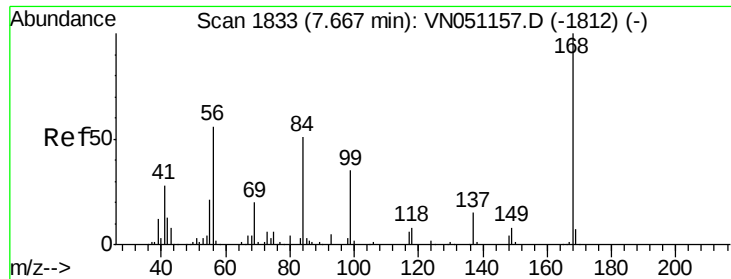
Instrument :
MSVOA_N
ClientSampleId :
SP-PIT-1

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Quant Time: Sep 15 01:39:09 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# 1834

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion:168 Resp: 646185

Ion Ratio Lower Upper

168 100

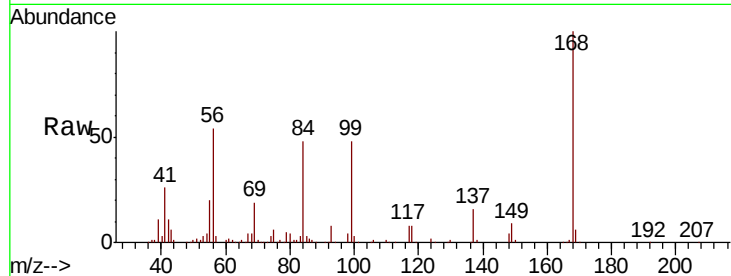
99 47.6 38.3 57.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

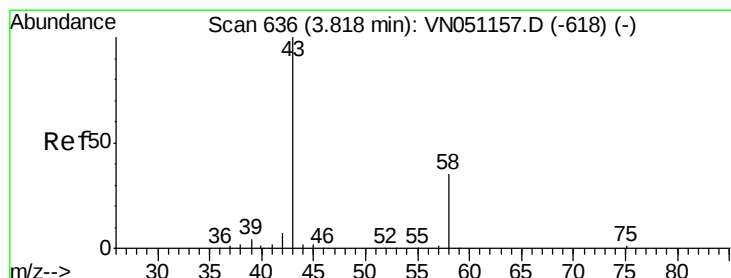
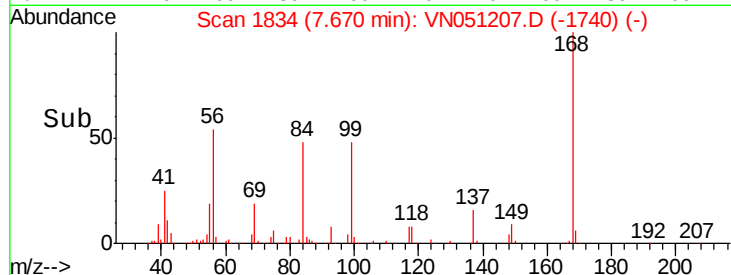
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 21.89 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051207.D

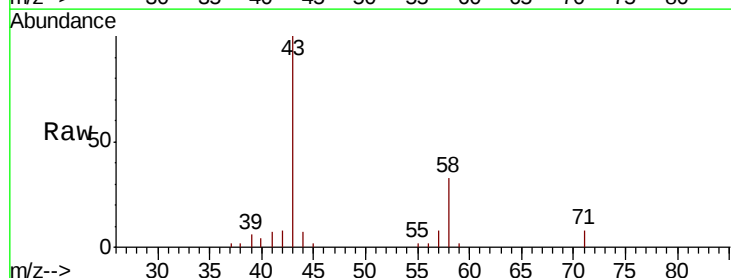
Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 48391

Ion Ratio Lower Upper

43 100

58 31.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

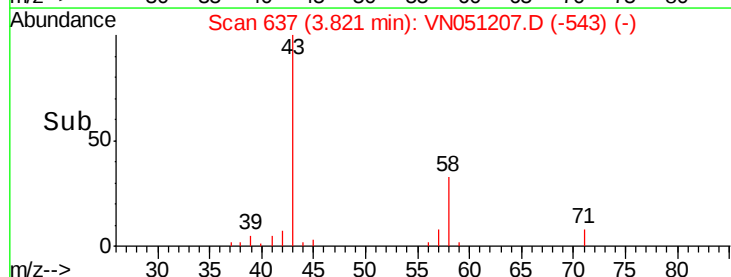
15000

10000

5000

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Time-->





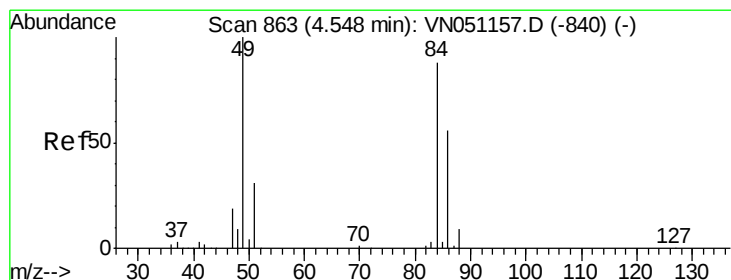
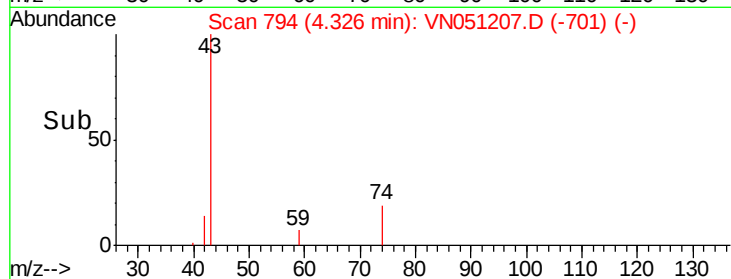
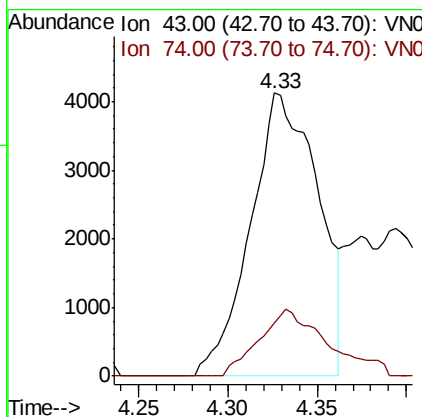
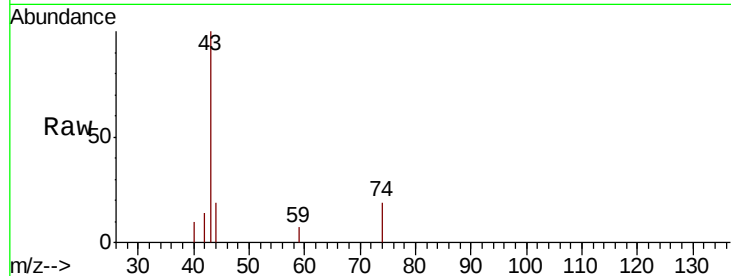
#18
Methyl Acetate
Concen: 1.90 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

Tot Ion: 43 Resp: 10933
Ion Ratio Lower Upper
43 100
74 23.9 20.7 31.1

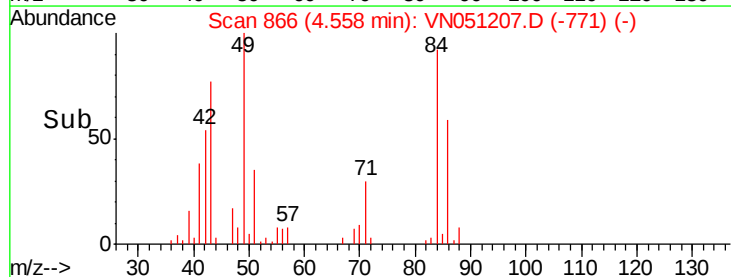
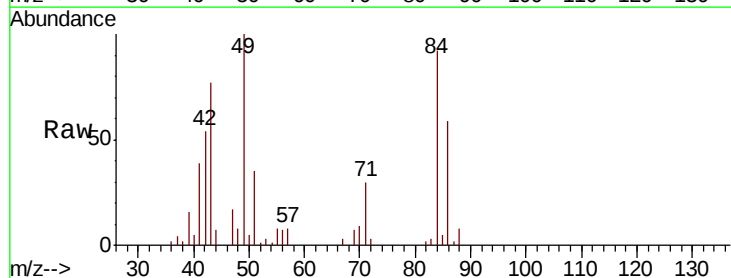
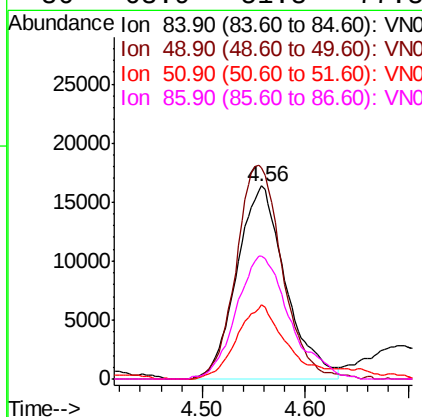
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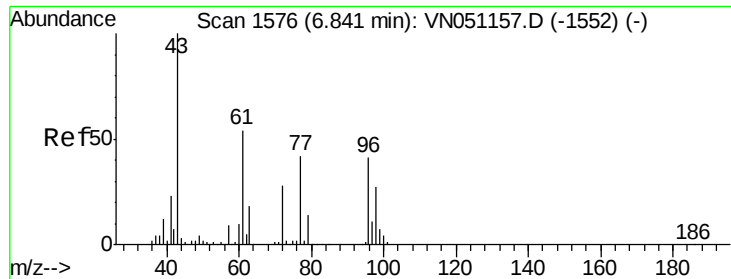
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#20
Methylene Chloride
Concen: 6.78 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion: 84 Resp: 53837
Ion Ratio Lower Upper
84 100
49 109.1 90.2 135.2
51 38.2 28.4 42.6
86 63.9 51.8 77.8





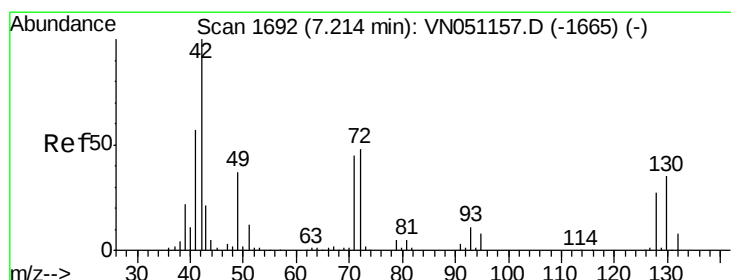
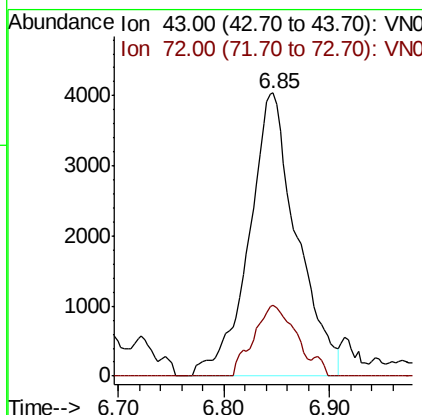
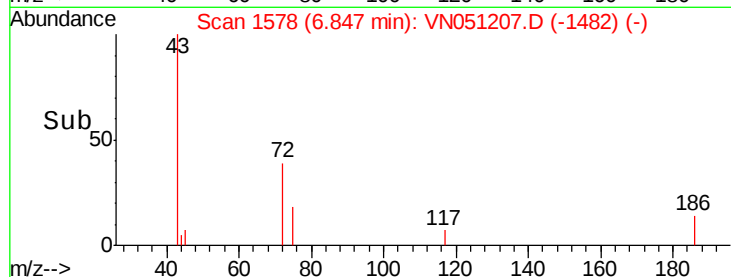
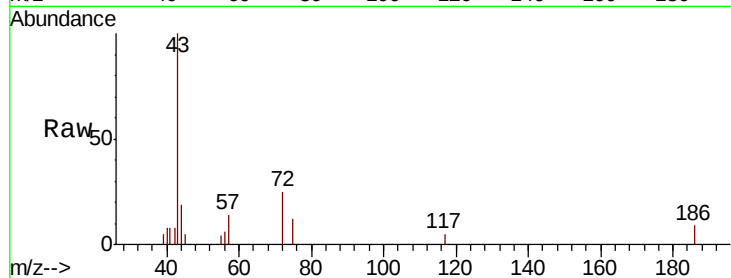
#25
2-Butanone
Concen: 4.51 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

Tot Ion: 43 Resp: 12754
Ion Ratio Lower Upper
43 100
72 24.9 23.0 34.6

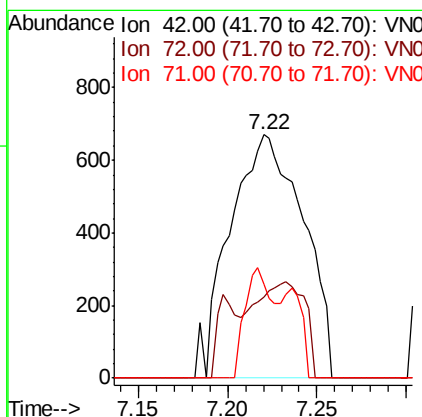
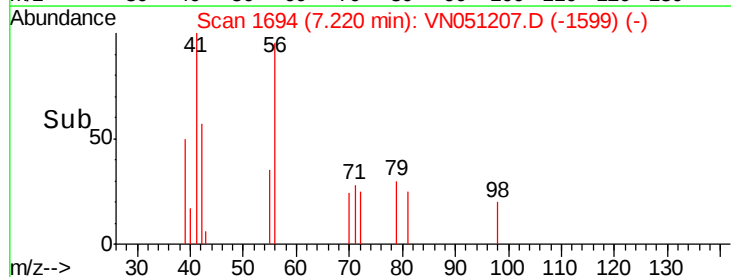
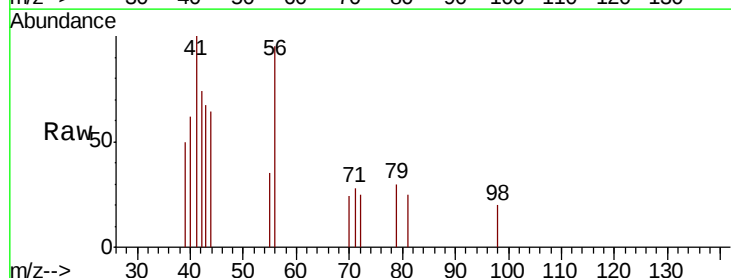
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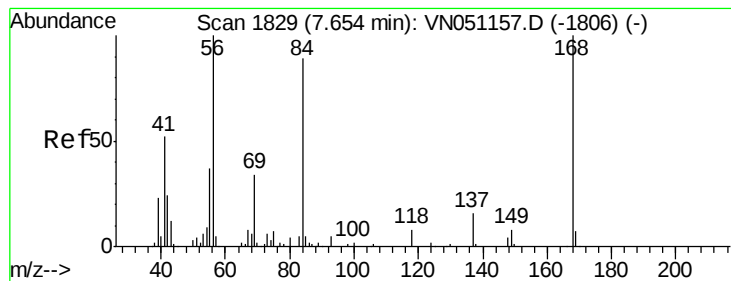
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#29
Tetrahydrofuran
Concen: 1.09 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion: 42 Resp: 1917
Ion Ratio Lower Upper
42 100
72 25.7 37.4 56.0#
71 16.3 34.7 52.1#





#31

Cyclohexane

Concen: 43.84 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion: 56 Resp: 517298

Ion Ratio Lower Upper

56 100

69 33.9 26.3 39.5

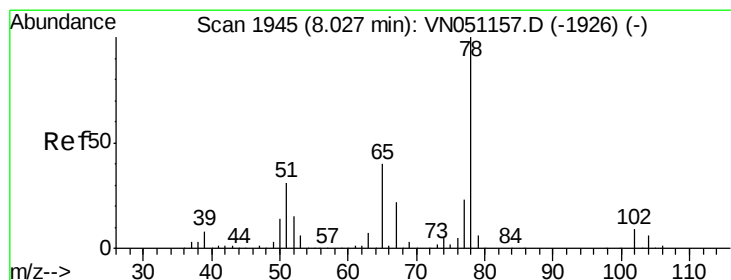
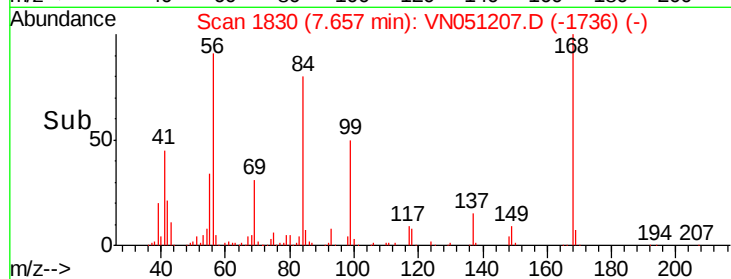
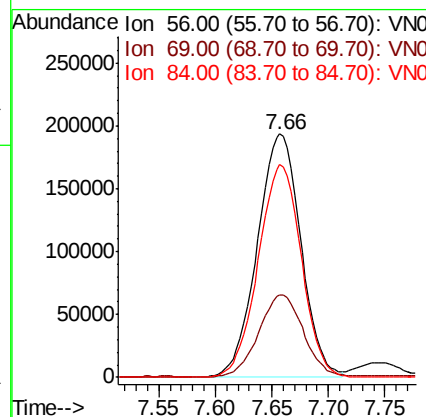
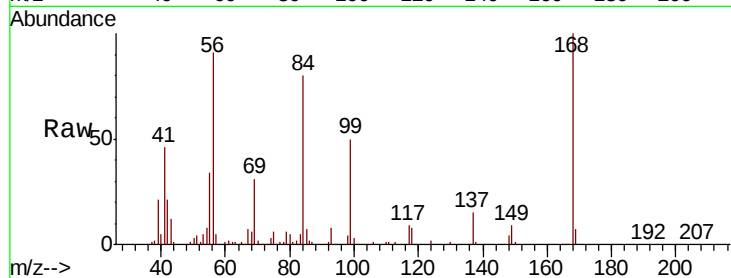
84 87.4 69.4 104.0

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#33

1,2-Dichloroethane-d4

Concen: 46.63 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051207.D

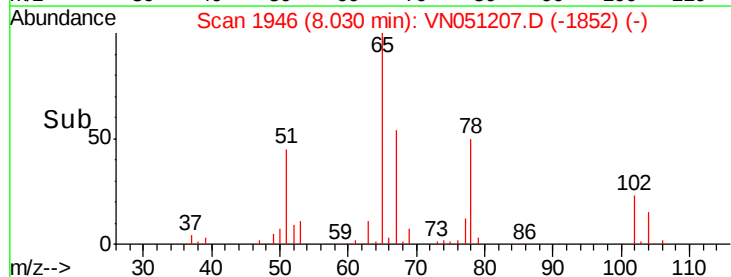
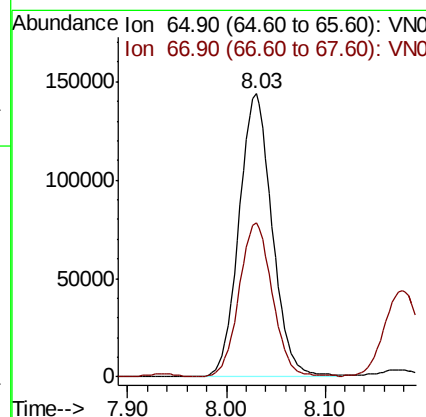
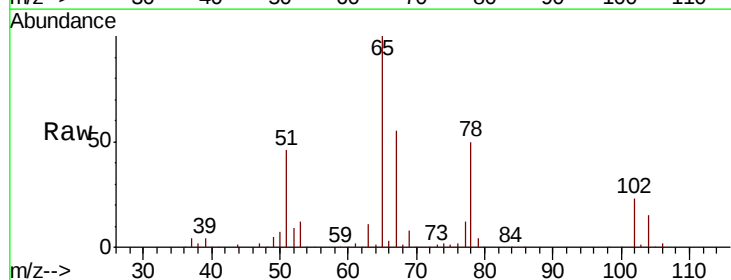
Acq: 14 Sep 2018 22:58

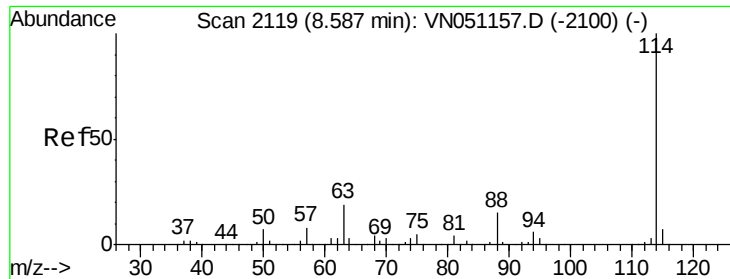
Tgt Ion: 65 Resp: 335325

Ion Ratio Lower Upper

65 100

67 54.1 0.0 112.0





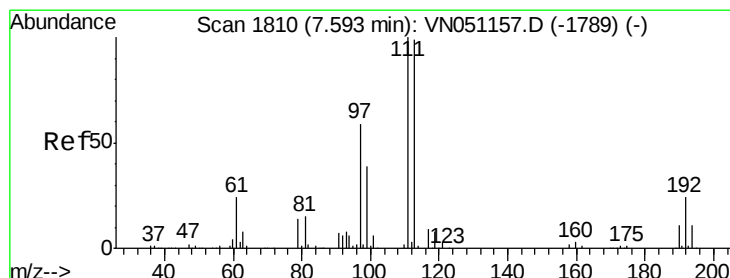
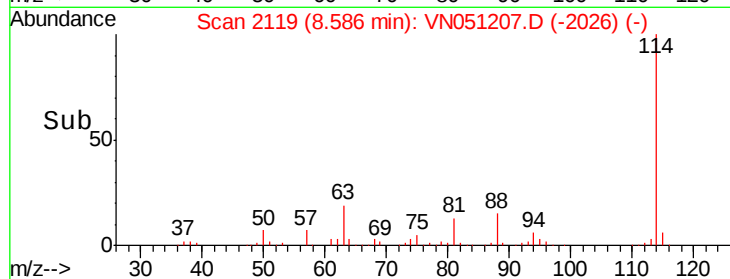
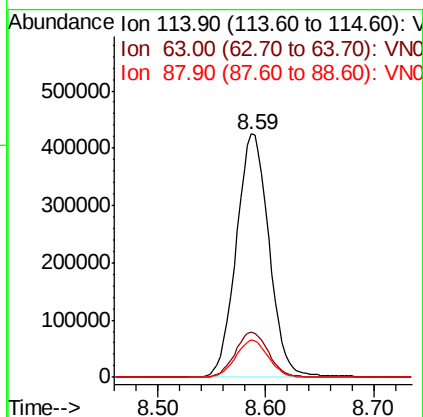
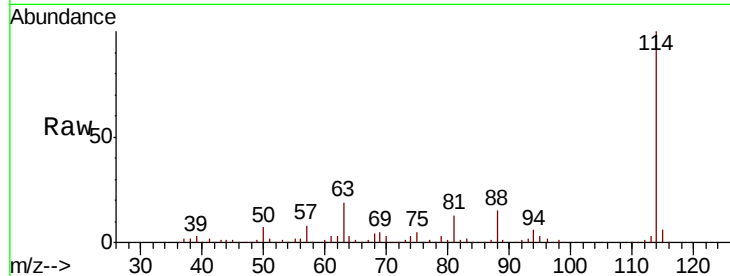
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-PIT-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	900455		
63	18.7		0.0	37.8
88	15.2		0.0	30.8

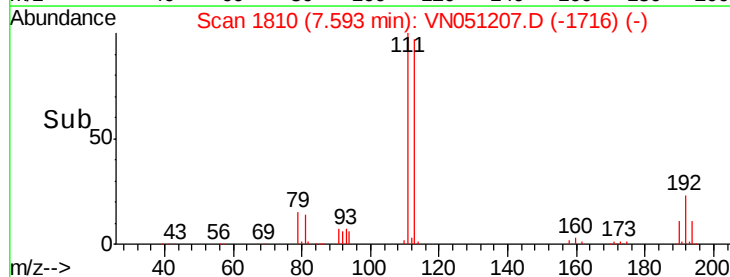
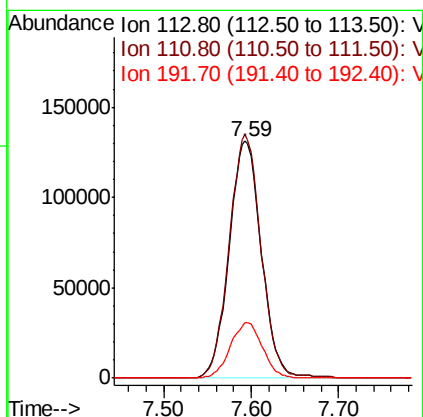
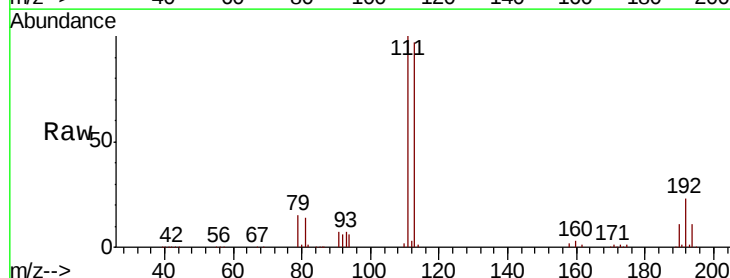
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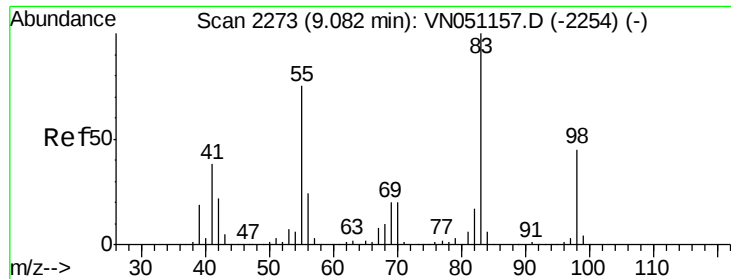
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#35
 Dibromofluoromethane
 Concen: 49.53 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	335146		
111	101.8		83.0	124.6
192	23.5		18.7	28.1





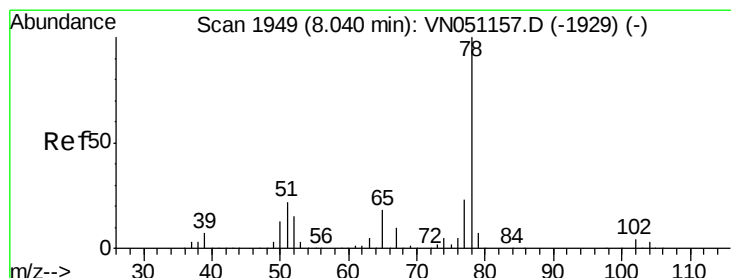
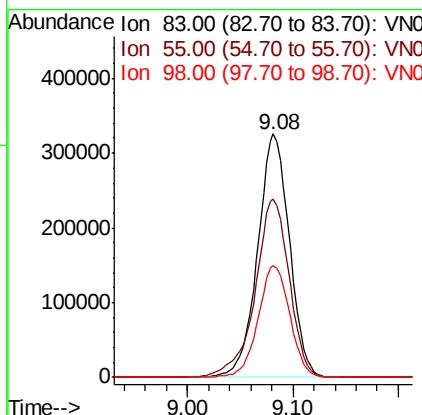
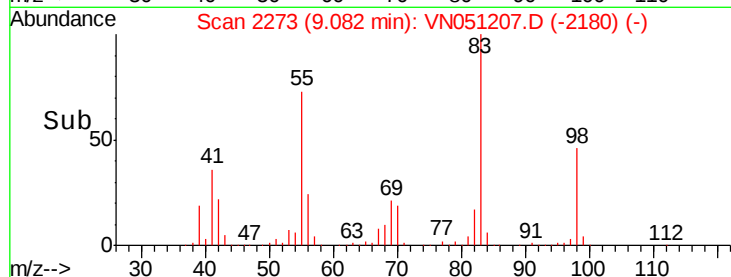
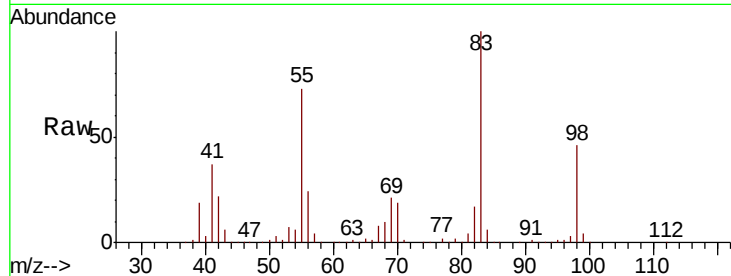
#39
Methvlcvclohexane
Concen: 62.64 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

Tot Ion	83.00	Resp	683251
Ion Ratio	100	Lower	Upper
83	100		
55	73.1	58.4	87.6
98	46.1	37.3	55.9

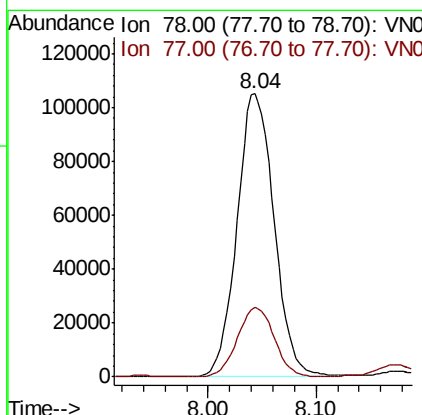
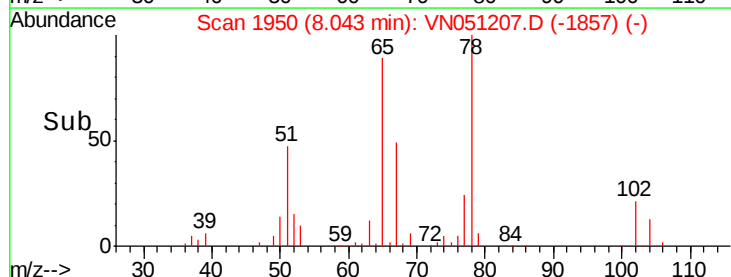
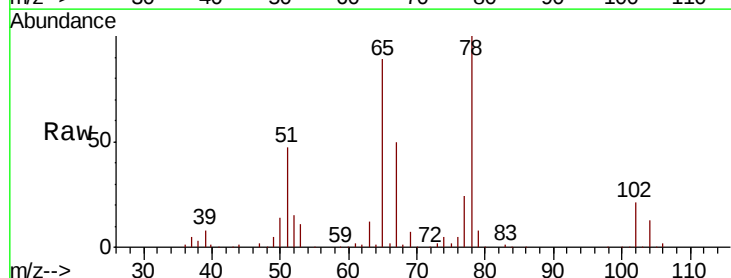
Manual Integrations
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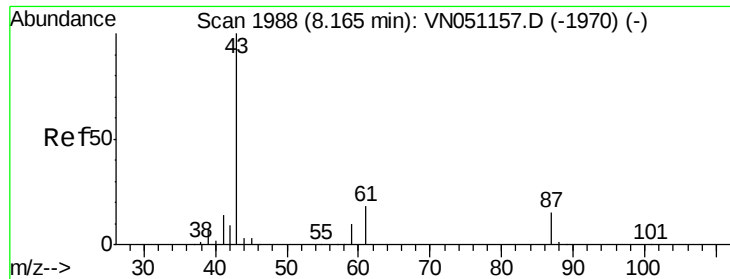
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#40
Benzene
Concen: 8.45 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion	78.00	Resp	251872
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	18.6	27.8





#43

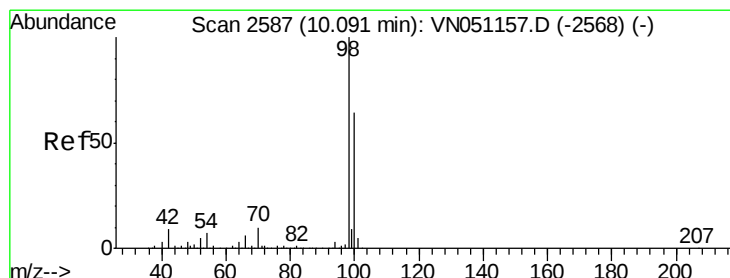
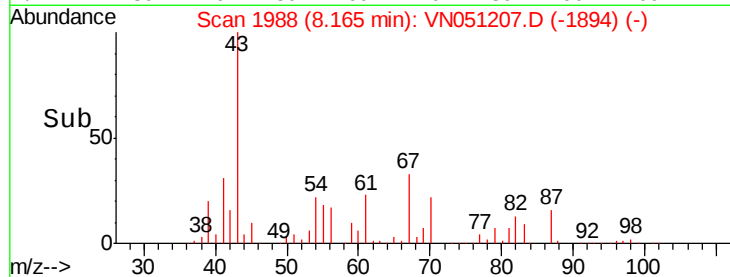
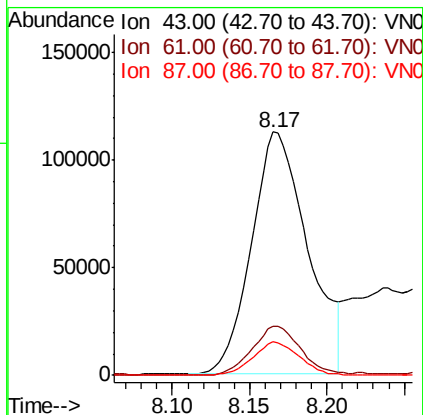
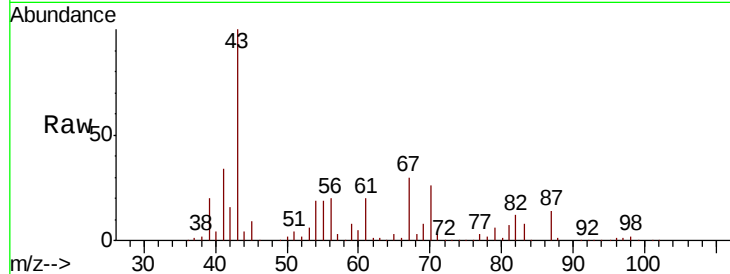
Isopropyl Acetate
 Concen: 28.25 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	25.0	37.6#
87	11.6	11.8	17.8#

Manual Integrations
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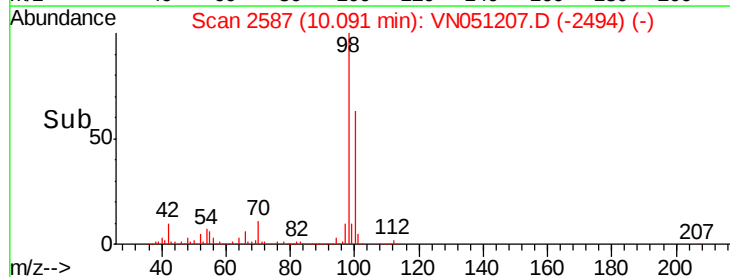
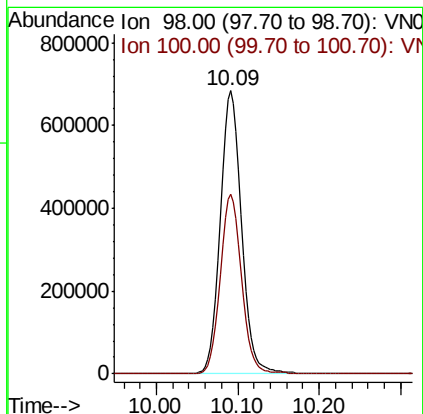
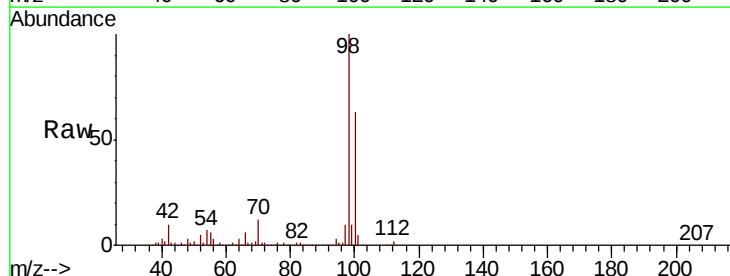
MMDadoda
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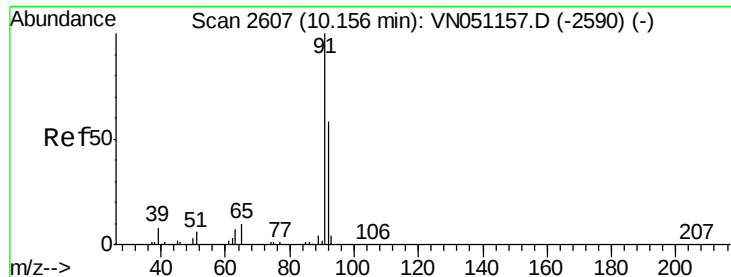


#50

Toluene-d8
 Concen: 49.38 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





#52

Toluene

Concen: 2.05 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion: 92 Resp: 37180

Ion Ratio Lower Upper

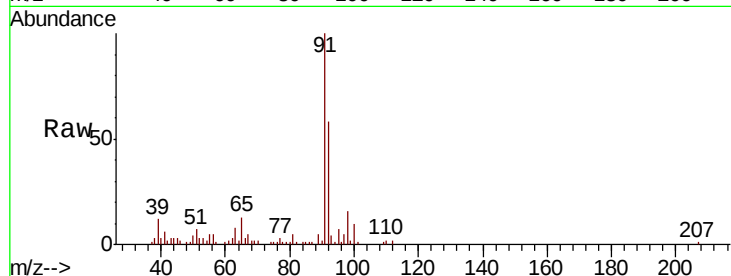
92 100

91 170.3 139.5 209.3

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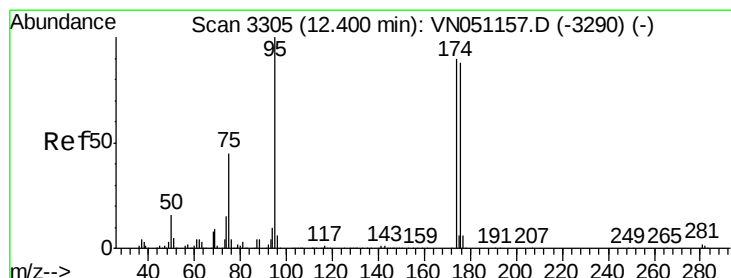
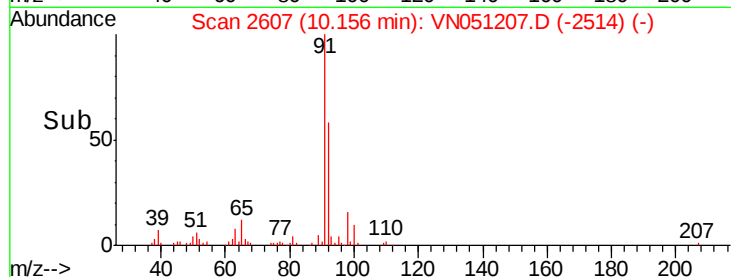
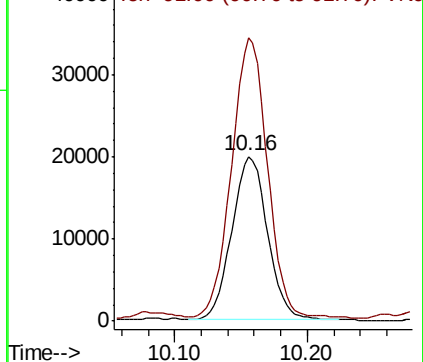
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Abundance Ion 92.00 (91.70 to 92.70): VN051157.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051157.D (-2590) (-)



#62

4-Bromofluorobenzene

Concen: 44.44 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

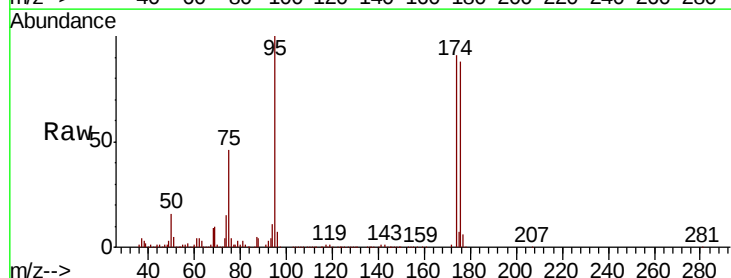
Tgt Ion: 95 Resp: 377458

Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.8

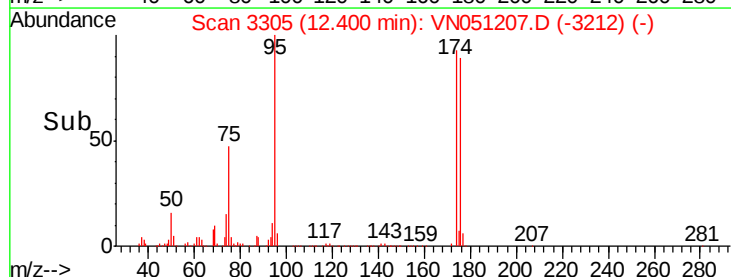
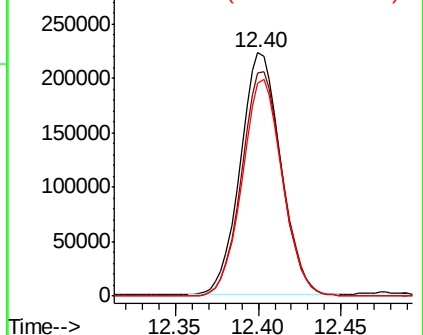
176 89.2 0.0 178.6

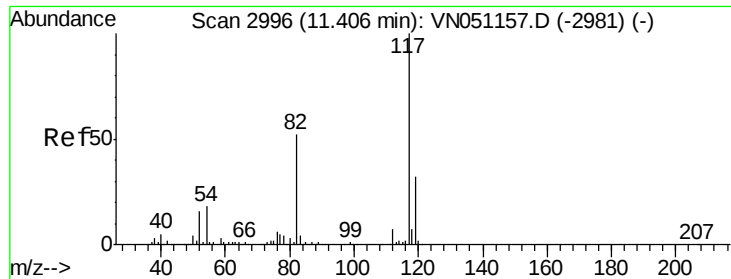


Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)





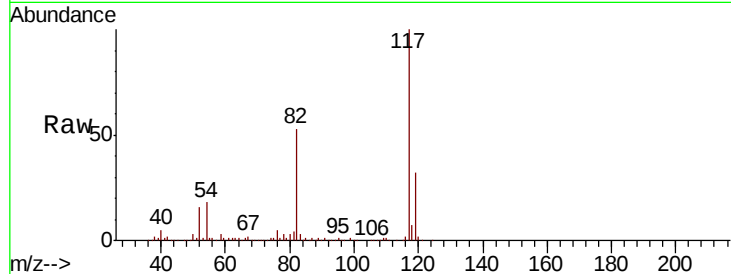
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

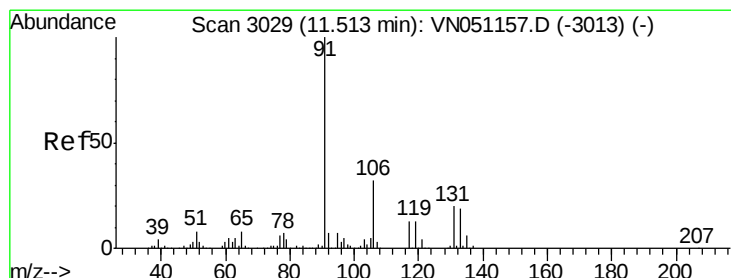
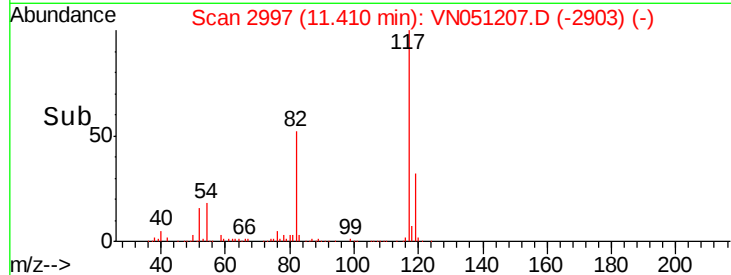
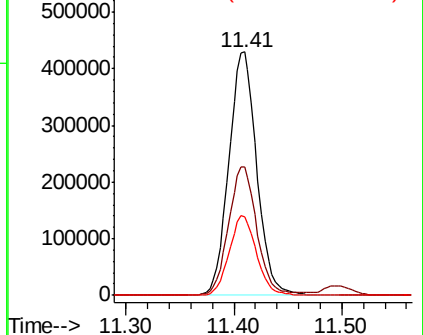
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	32.5	26.2	39.2

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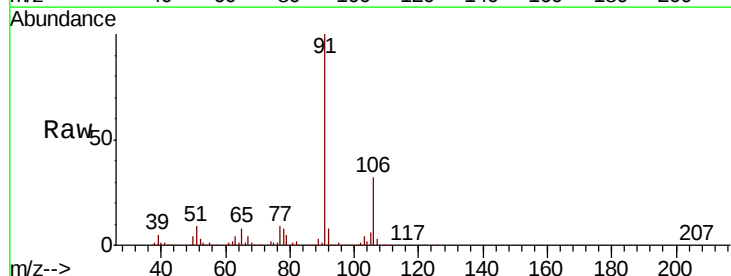


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

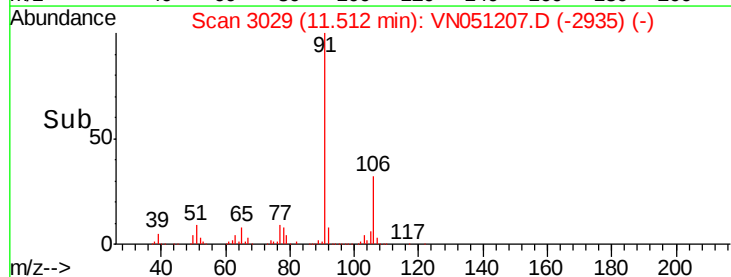
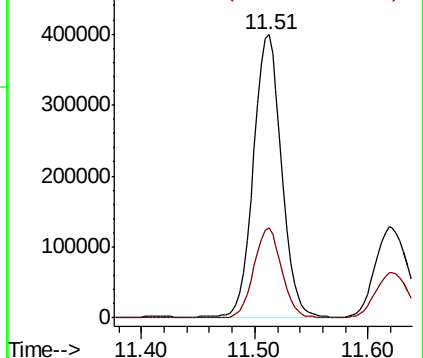


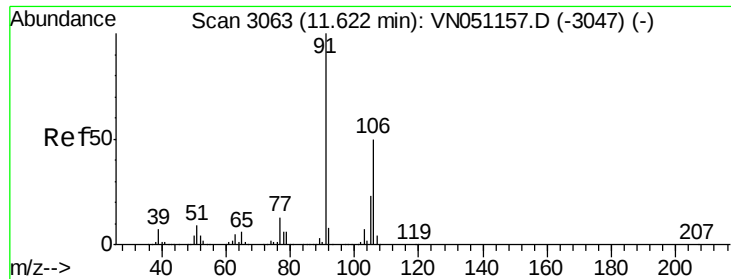
#67
Ethyl Benzene
Concen: 21.71 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2



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





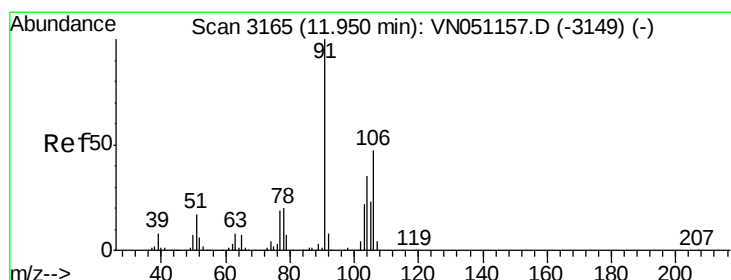
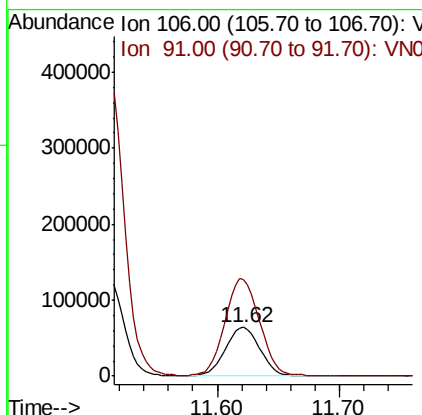
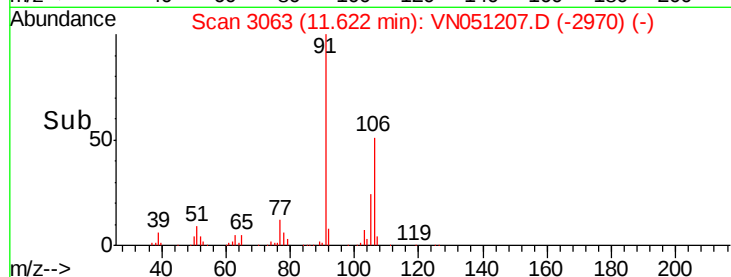
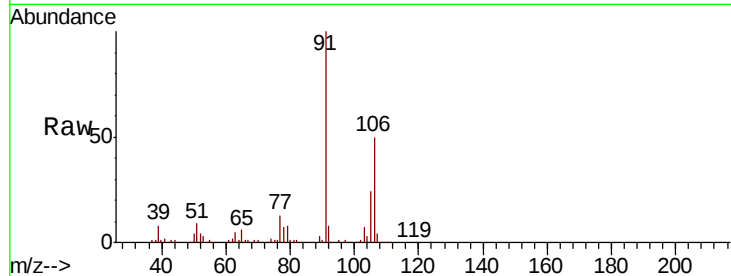
#68
m/p-Xylenes
Concen: 10.53 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	196.9	159.8	239.6	

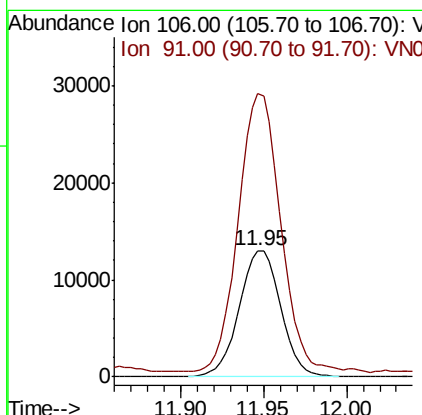
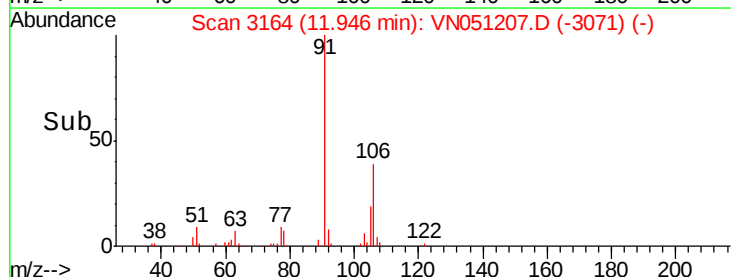
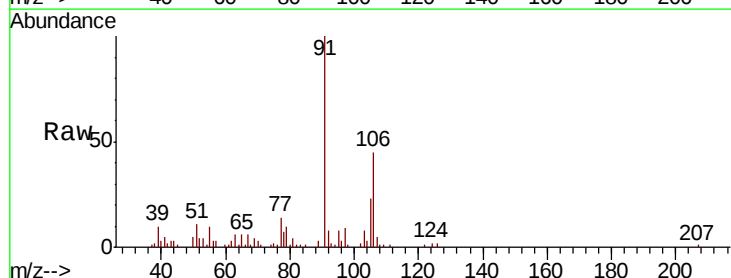
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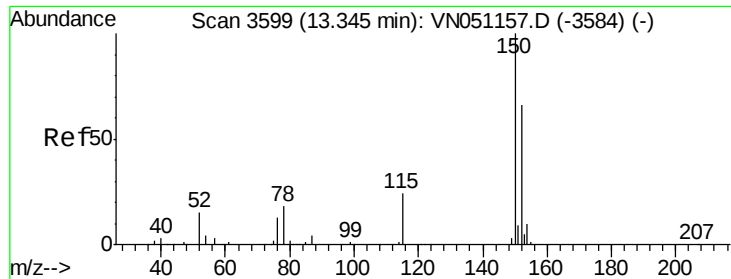
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#69
o-Xylene
Concen: 1.93 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	225.0	105.1	315.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion:152 Resp: 342123

Ion Ratio Lower Upper

152 100

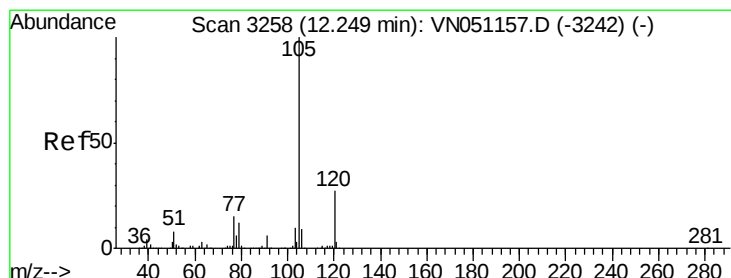
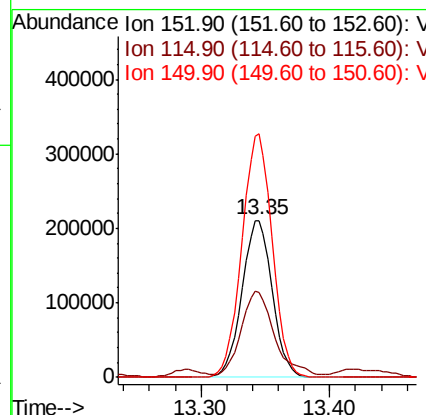
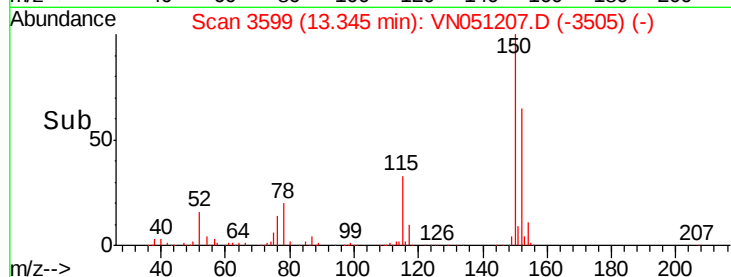
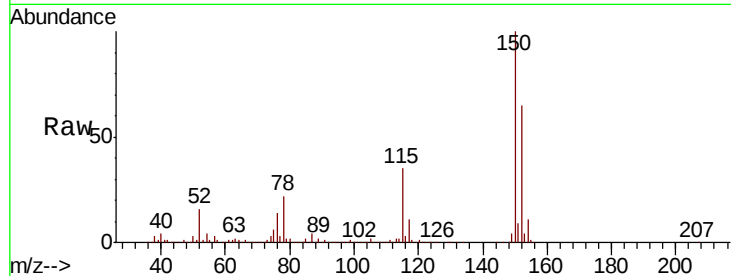
115 60.6 28.2 84.7

150 156.1 0.0 349.0

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#73

Isopropylbenzene

Concen: 29.01 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051207.D

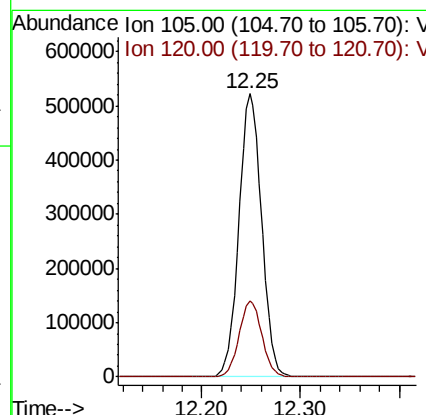
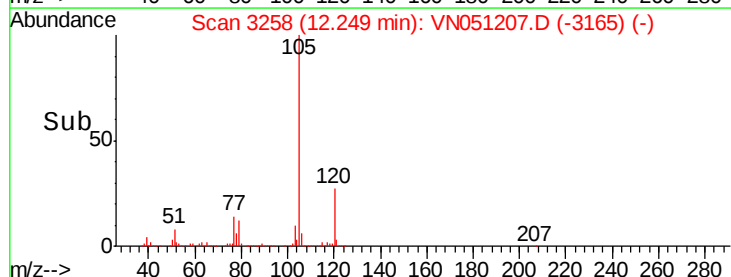
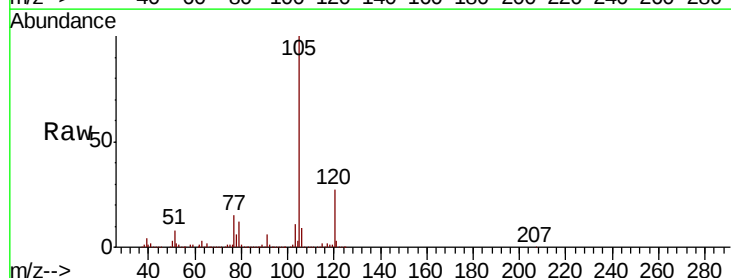
Acq: 14 Sep 2018 22:58

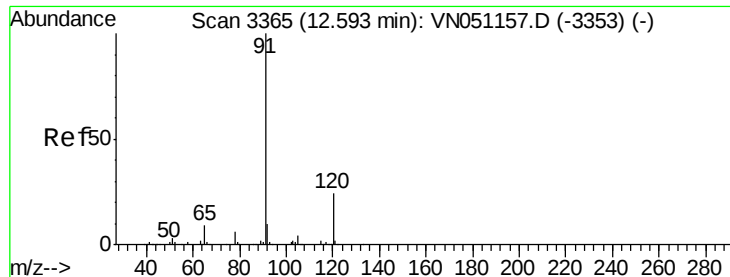
Tgt Ion:105 Resp: 832431

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7





#78

n-propylbenzene

Concen: 32.41 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion: 91 Resp: 1022192

Ion Ratio Lower Upper

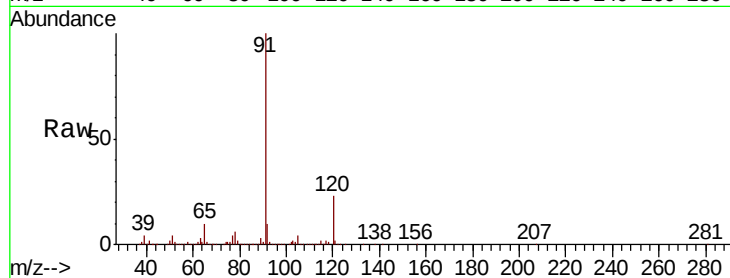
91 100

120 23.4 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN051157.D (-3353) (-)

12.59

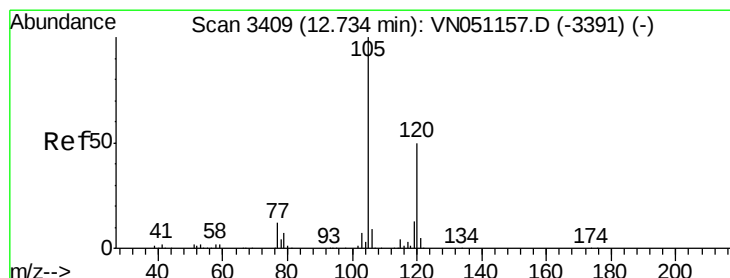
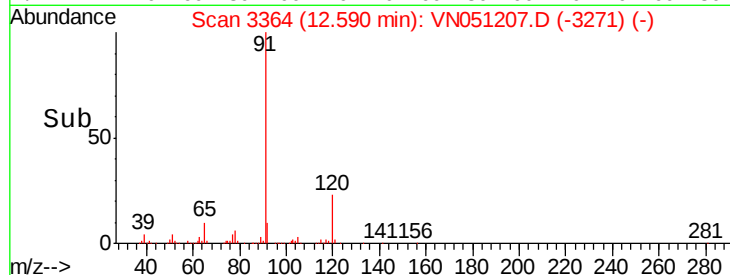
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.15 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051207.D

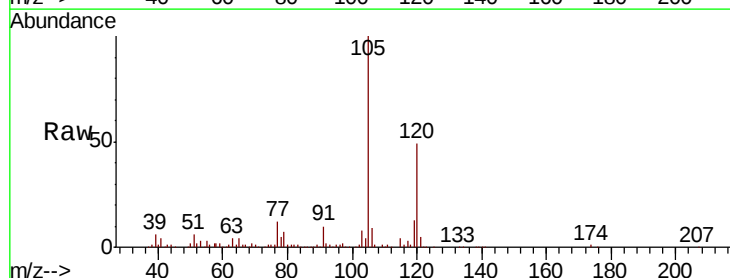
Acq: 14 Sep 2018 22:58

Tgt Ion: 105 Resp: 235502

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051157.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051157.D (-3391) (-)

12.73

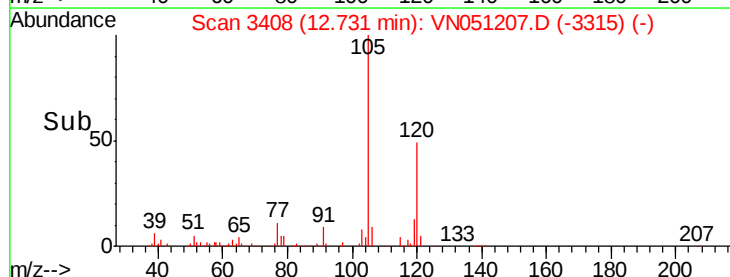
150000

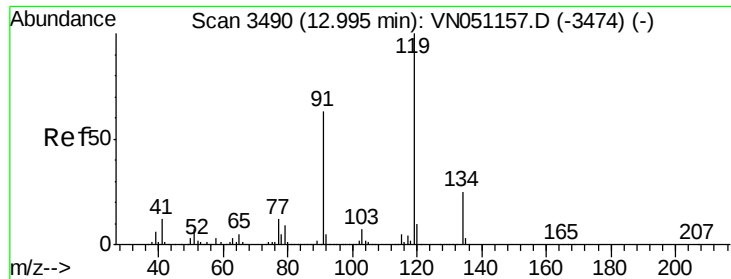
100000

50000

0

Time-->





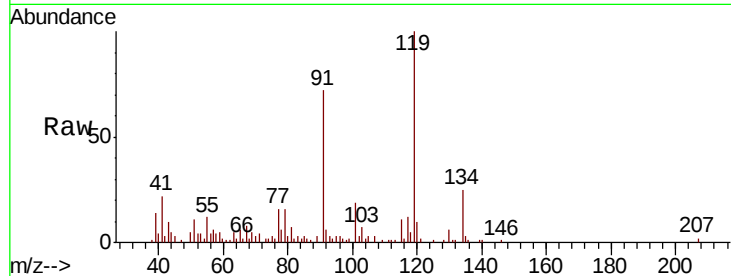
#83
 tert-Butylbenzene
 Concen: 1.35 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	30.8	92.3
134	26.7	13.2	39.6

Manual Integrations
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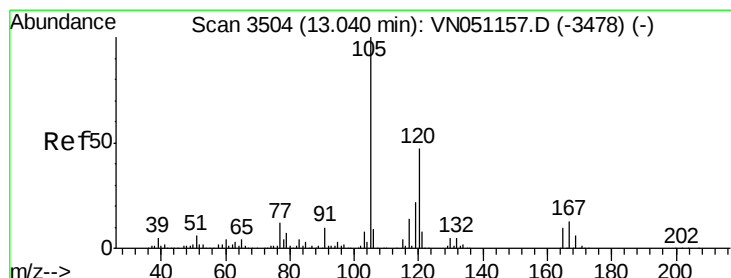
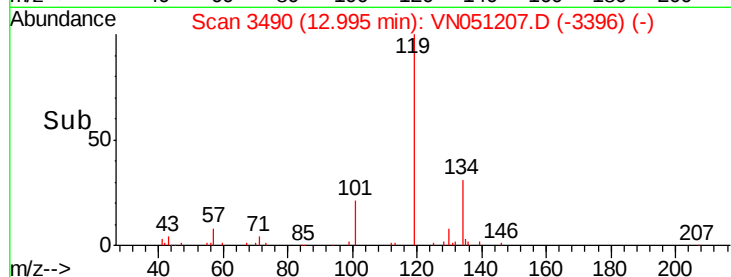
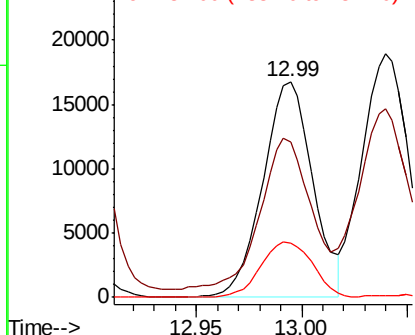


Abundance

Ion 119.00 (118.70 to 119.70): V

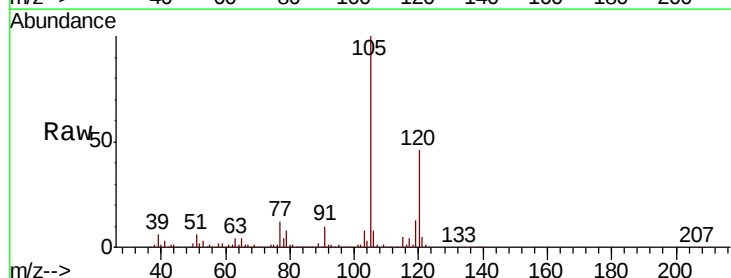
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 9.71 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

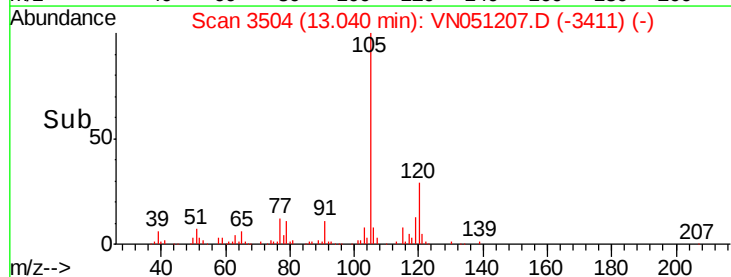
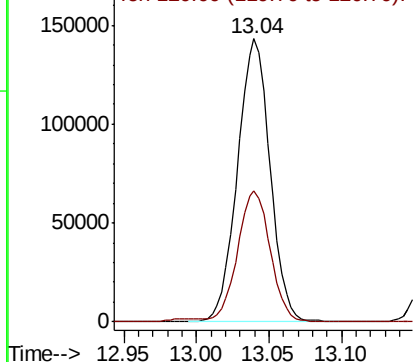
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8

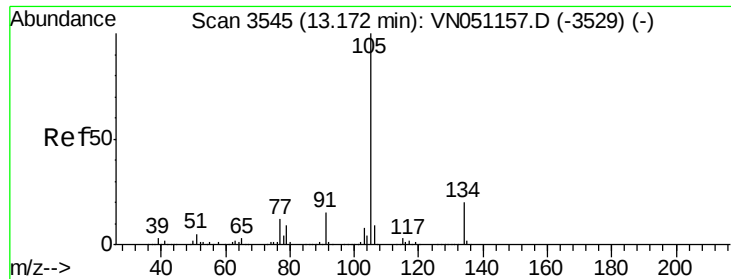


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





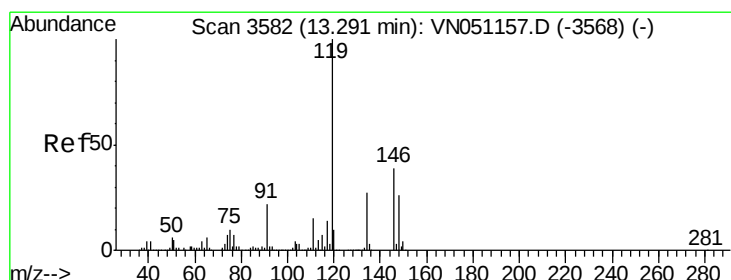
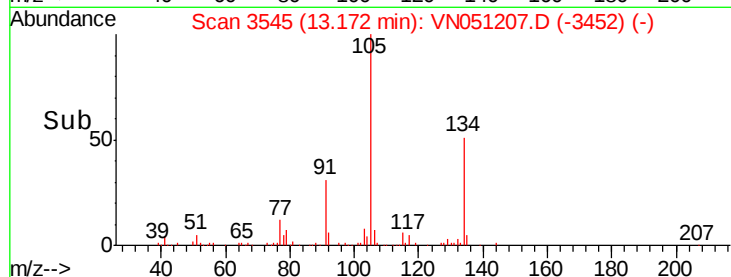
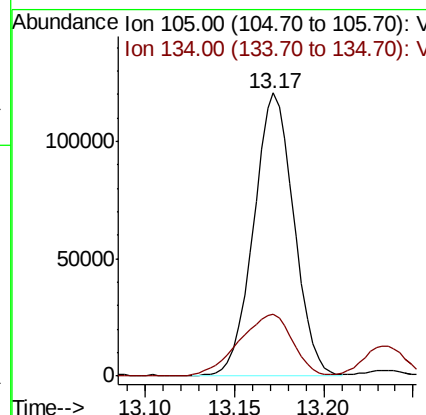
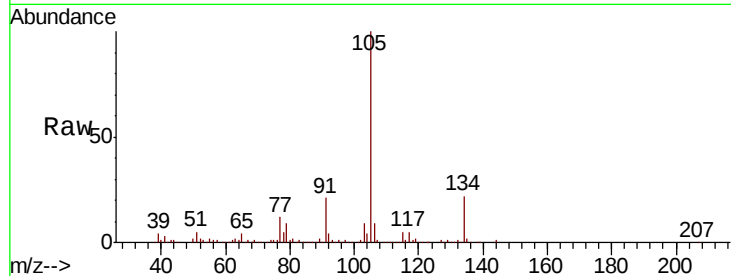
#85
 sec-Butylbenzene
 Concen: 7.17 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

Tot Ion	Ratio	Lower	Upper
105	100		
134	29.3	10.4	31.4

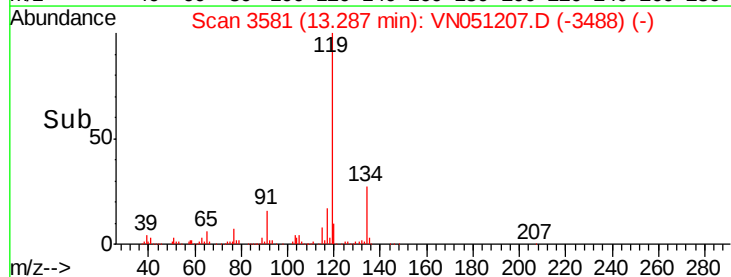
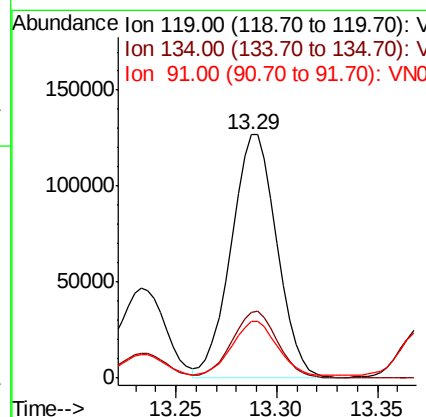
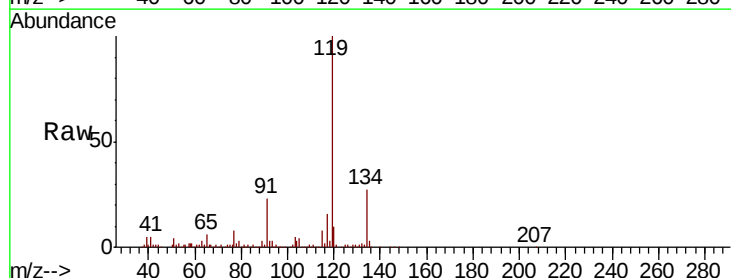
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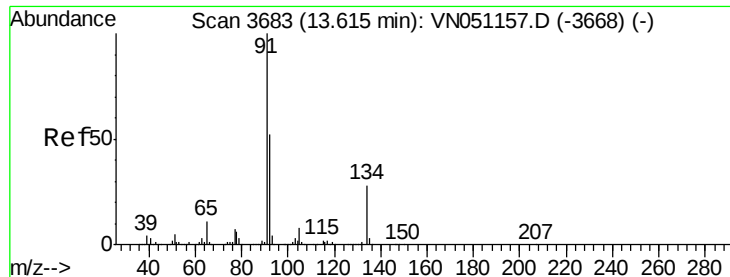
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#86
 p-Isopropyltoluene
 Concen: 8.97 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.5	40.4
91	22.1	10.9	32.9





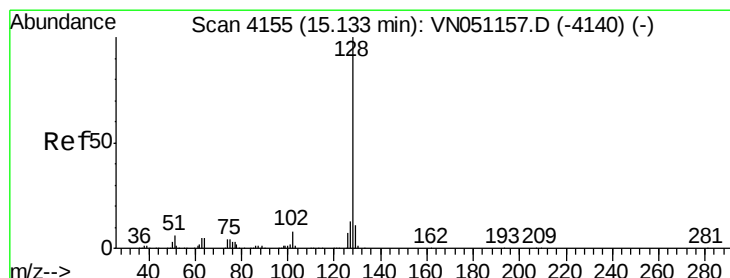
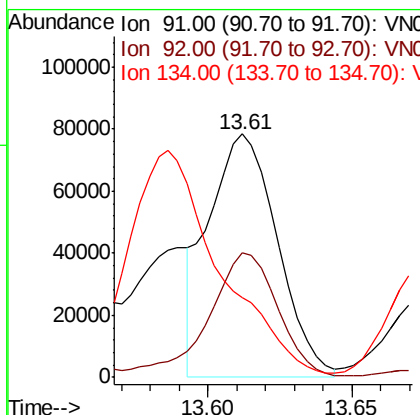
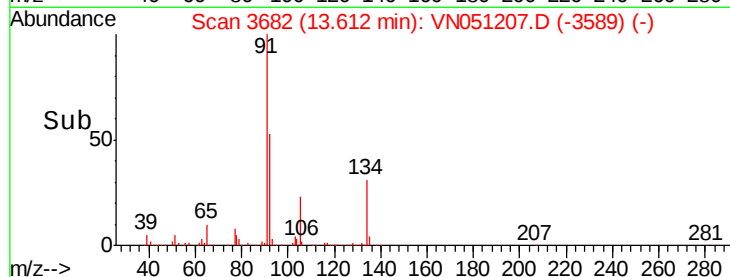
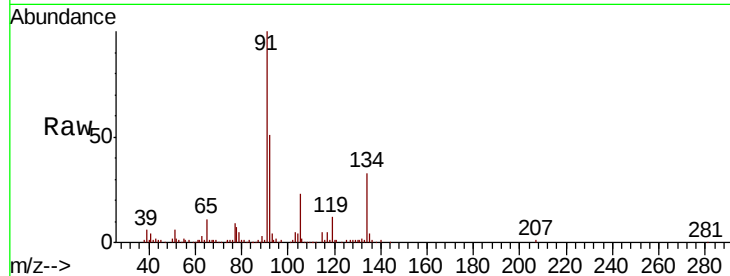
#89
n-Butylbenzene
Concen: 7.54 ug/l m
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.2	78.6
134	0.0	13.7	41.1#

Manual Integrations
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#95
Naphthalene
Concen: 31.67 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.3	8.6	12.8

