

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049899.D
 Acq On : 19 Jul 2018 3:35
 Operator : MD\SY
 Sample : J3357-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Manual Integrations
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Quant Time: Jul 19 16:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	719538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1049739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	913392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	417583	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	
35) Dibromofluoromethane	7.59	113	377248	42.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.62%	
50) Toluene-d8	10.09	98	1499676	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.40	95	477085	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	10518	1.07	ug/l	99
31) Cyclohexane	7.65	56	3077674	234.76	ug/l	98
39) Methylcyclohexane	9.08	83	2611763	216.60	ug/l	99
40) Benzene	8.04	78	67449	1.90	ug/l	98
52) Toluene	10.16	92	182825	8.62	ug/l	100
67) Ethyl Benzene	11.51	91	10838706	291.14	ug/l	99
68) m/p-Xylenes	11.62	106	3144949	223.16	ug/l	99
69) o-Xylene	11.95	106	71130	5.26	ug/l	97
73) Isopropylbenzene	12.25	105	4313971	123.16	ug/l	100
78) n-propylbenzene	12.59	91	15031057	377.44	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3883393	138.32	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5173308	181.90	ug/l	100
85) sec-Butylbenzene	13.17	105	699418	21.47	ug/l #	65
86) p-Isopropyltoluene	13.29	119	191963	6.91	ug/l	99
89) n-Butylbenzene	13.62	91	888893m	38.76	ug/l	
95) Naphthalene	15.13	128	2606621	113.11	ug/l	100

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

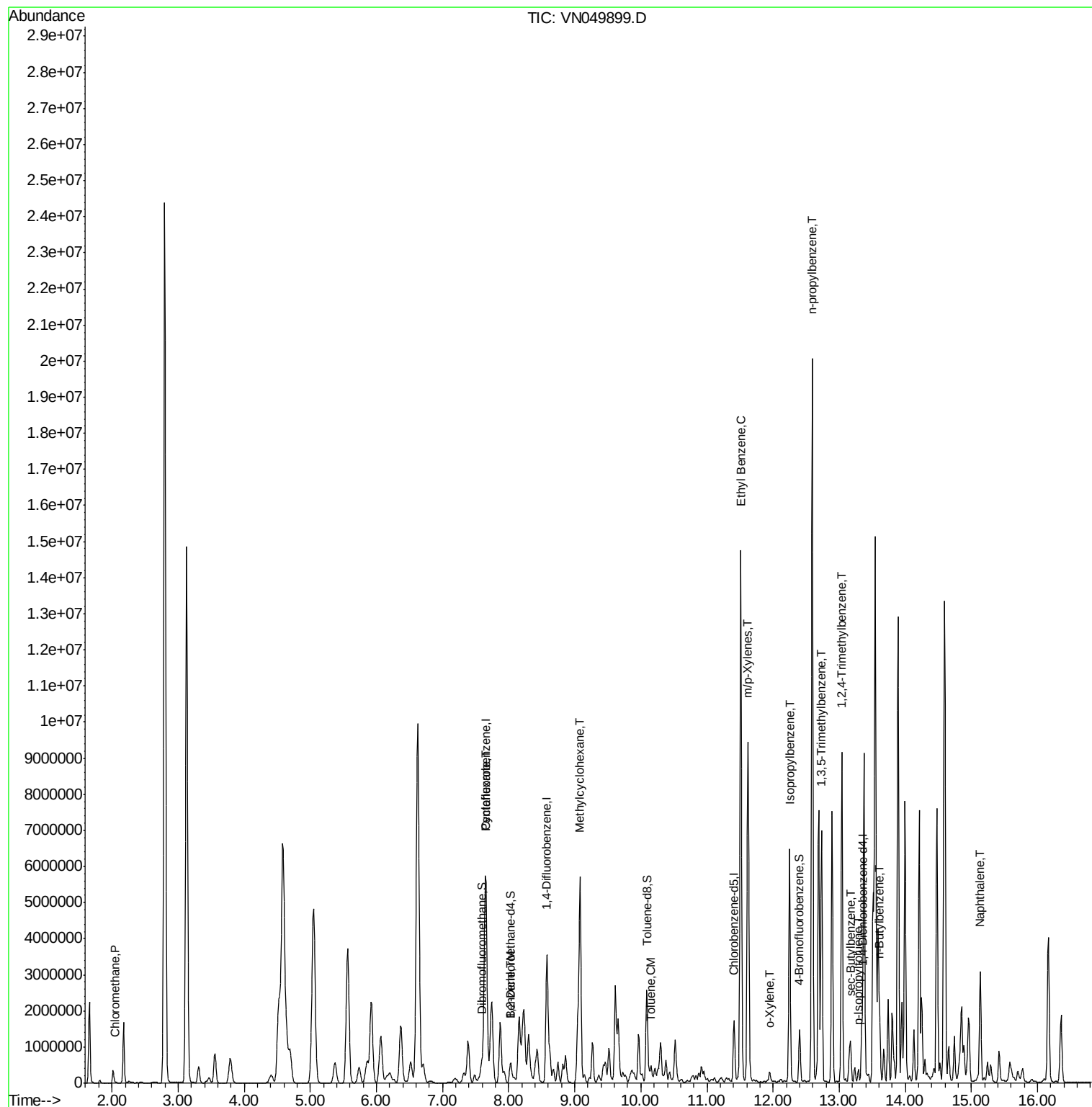
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071818\
Data File : VN049899.D
Acq On : 19 Jul 2018 3:35
Operator : MD\SY
Sample : J3357-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 1

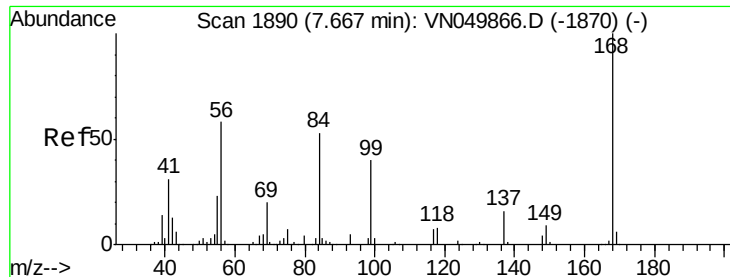
Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Jul 19 16:08:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampled :

MW1

Tot Ion:168 Resp: 719538

Ion Ratio Lower Upper

168 100

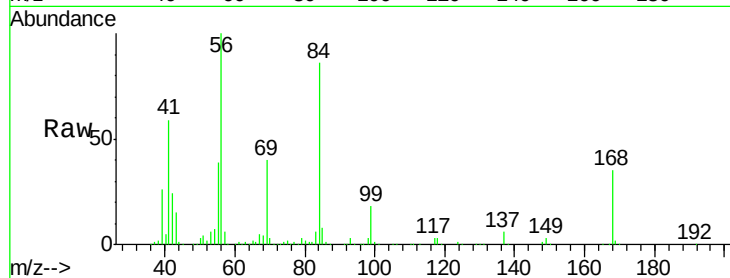
99 51.8 40.6 61.0

Manual Integrations

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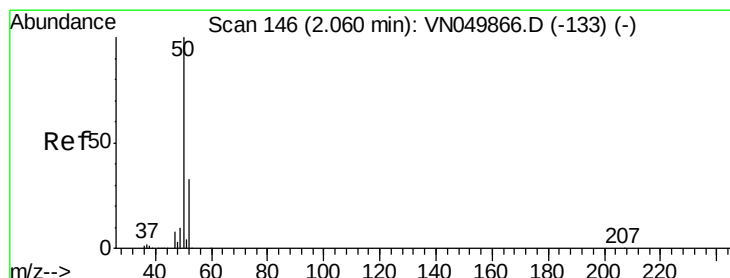
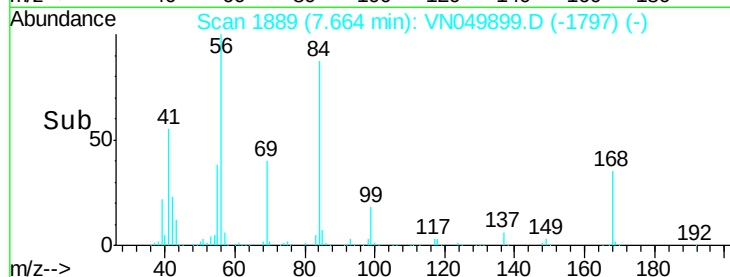
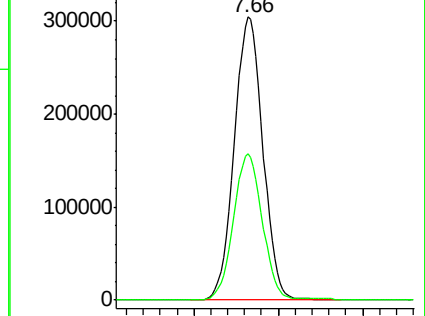
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 1.07 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049899.D

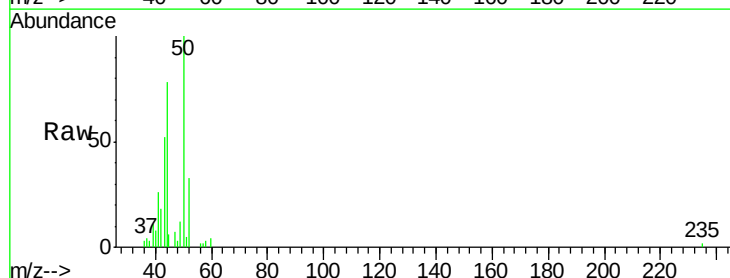
Acq: 19 Jul 2018 3:35

Tgt Ion: 50 Resp: 10518

Ion Ratio Lower Upper

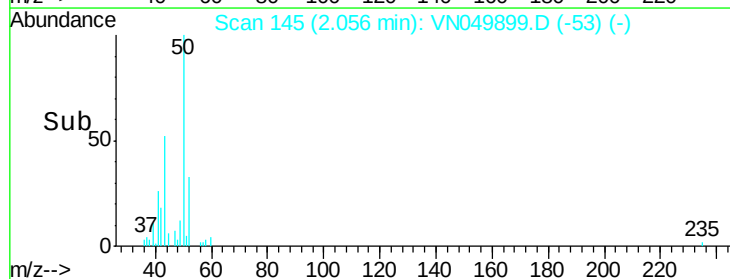
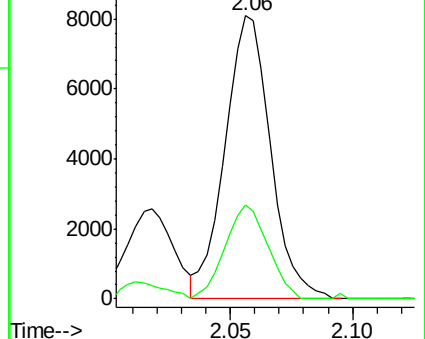
50 100

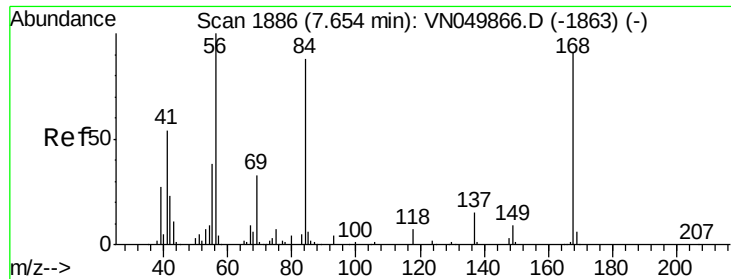
52 33.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





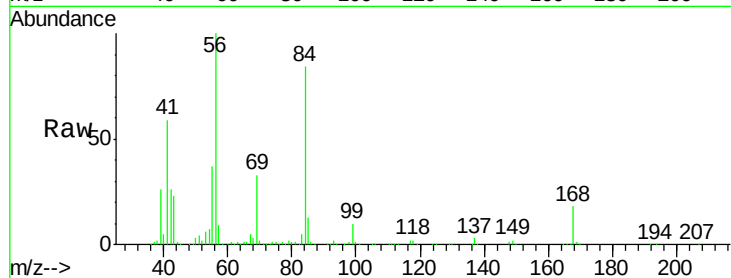
#31
Cyclohexane
Concen: 234.76 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampled :
MW1

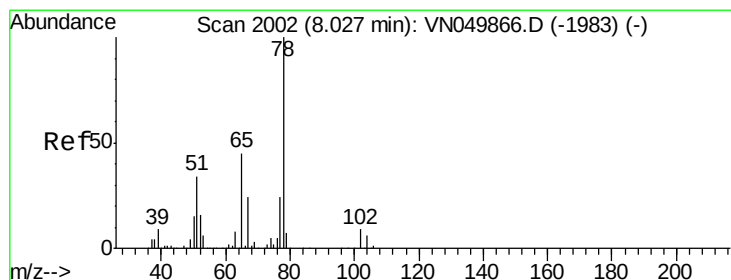
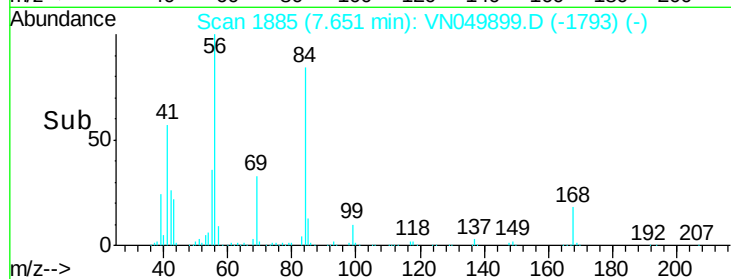
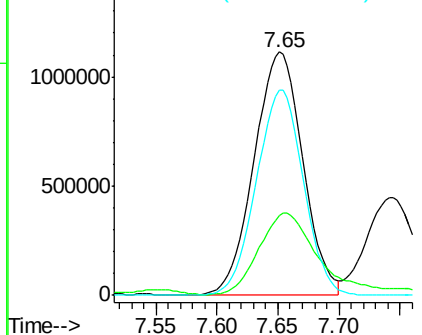
Tot Ion: 56 Resp: 3077674
Ion Ratio Lower Upper
56 100
69 31.9 26.6 40.0
84 84.5 69.0 103.6

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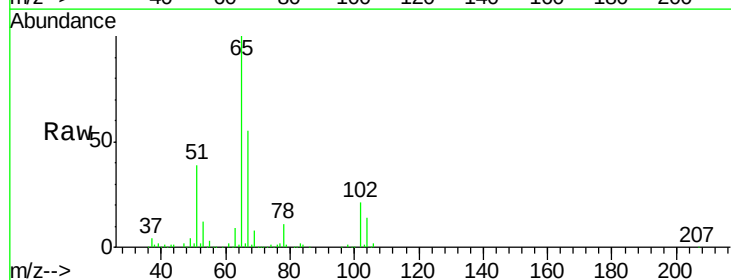


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

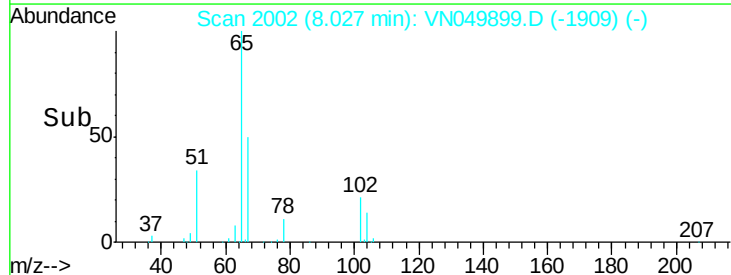
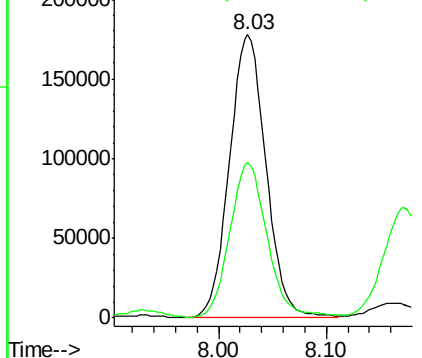


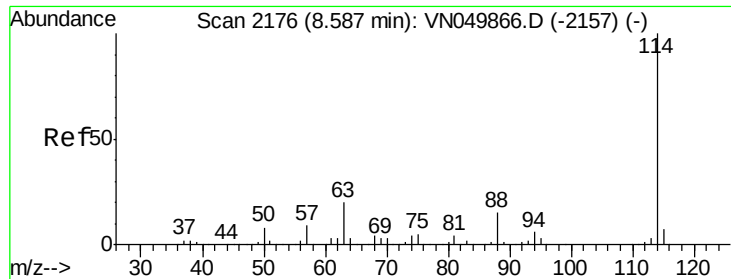
#33
1,2-Dichloroethane-d4
Concen: 42.22 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 65 Resp: 417583
Ion Ratio Lower Upper
65 100
67 55.7 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: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW1

Tot Ion:114 Resp: 1049739

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.8

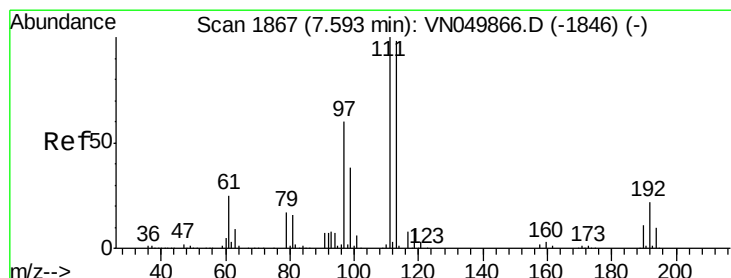
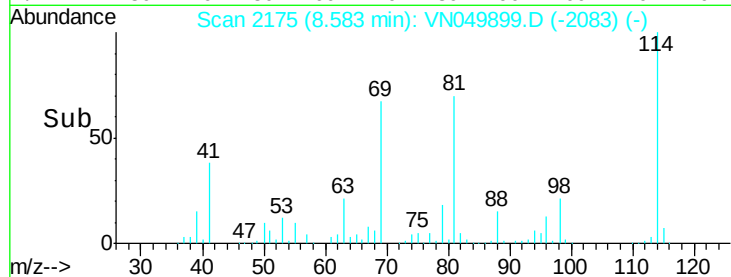
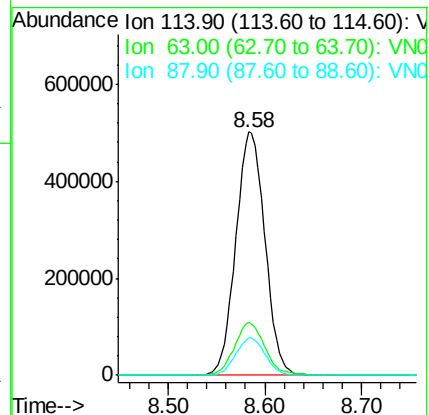
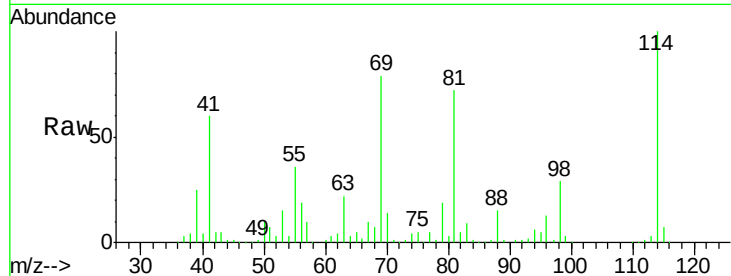
88 15.3 0.0 30.6

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#35

Dibromofluoromethane

Concen: 42.81 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

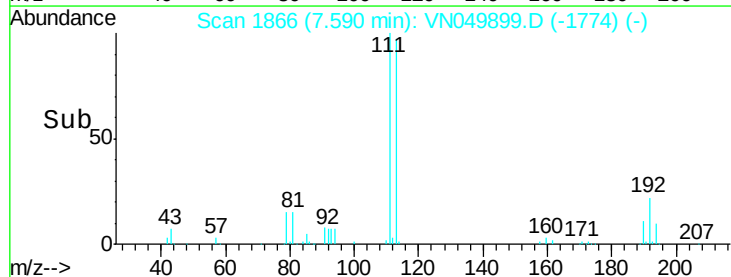
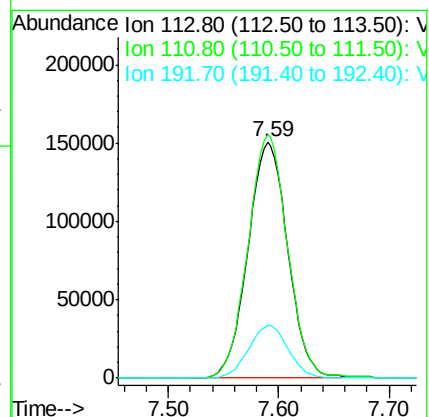
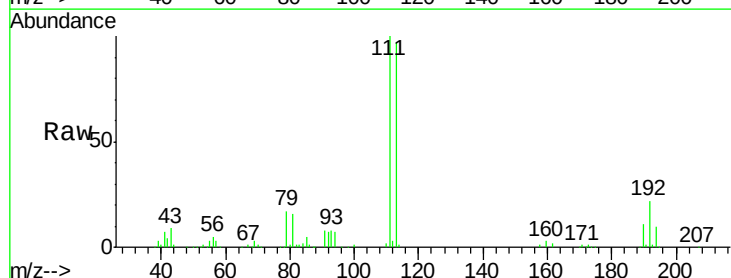
Tgt Ion:113 Resp: 377248

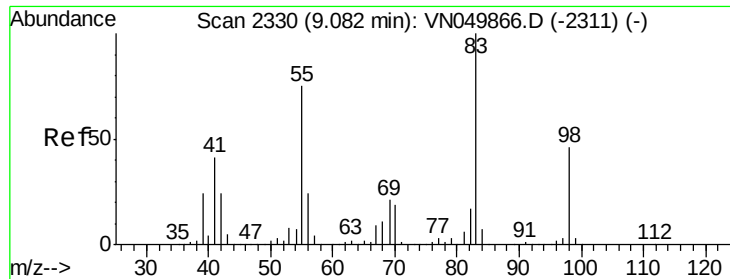
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 22.3 17.8 26.6





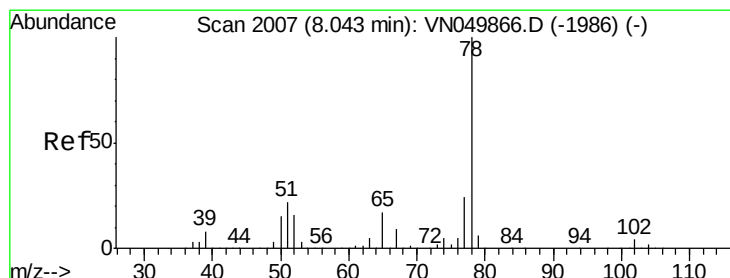
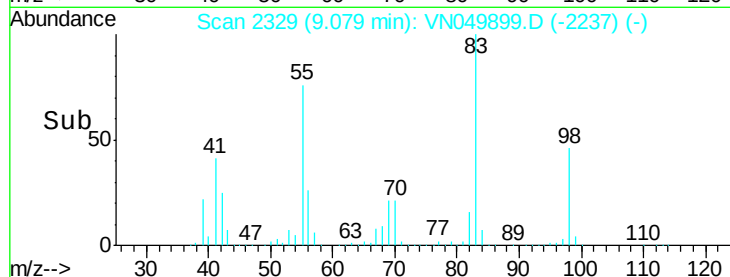
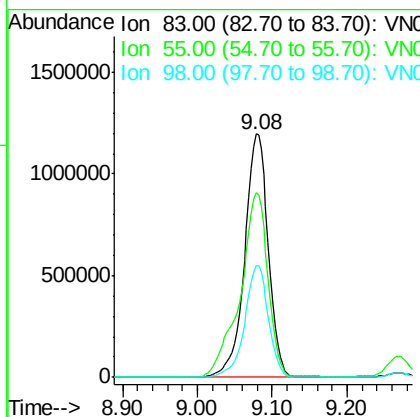
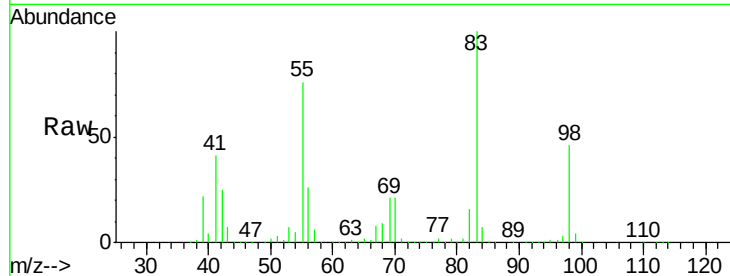
#39
Methylvlcyclohexane
Concen: 216.60 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampled :
MW1

Tot Ion: 83 Resp: 2611763
Ion Ratio Lower Upper
83 100
55 76.0 59.7 89.5
98 45.7 36.5 54.7

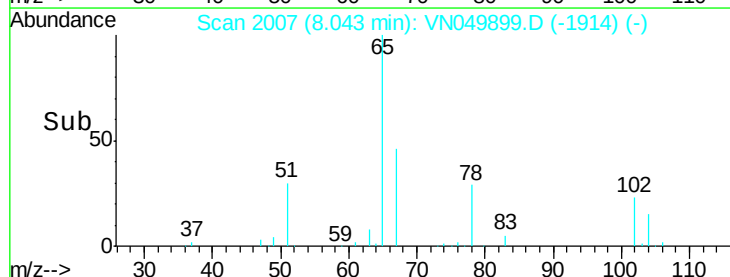
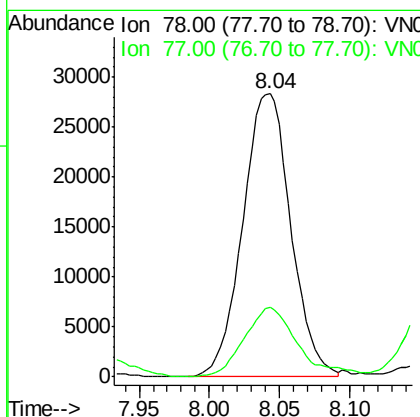
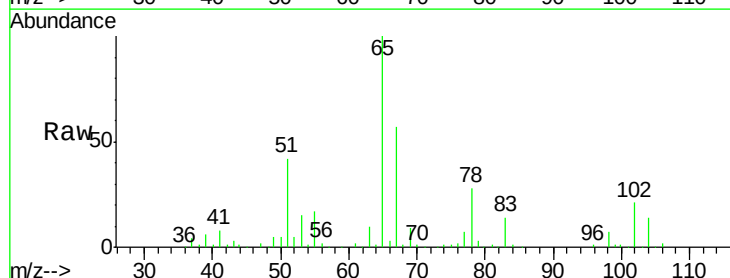
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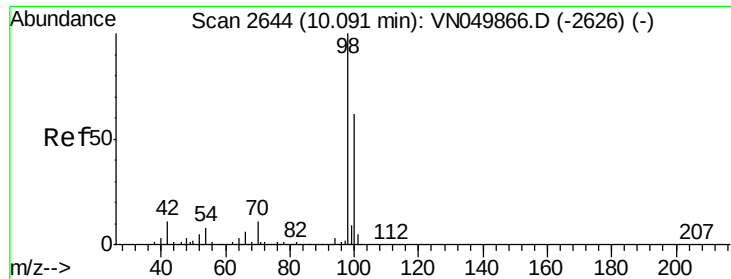
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#40
Benzene
Concen: 1.90 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 78 Resp: 67449
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.4





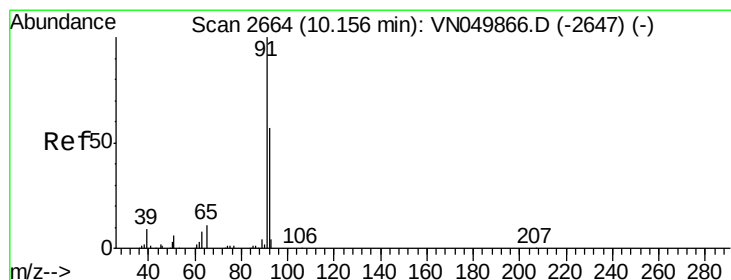
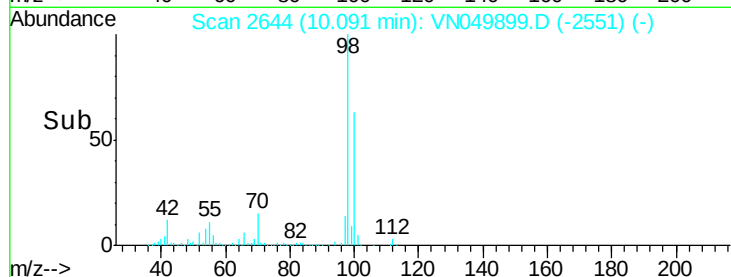
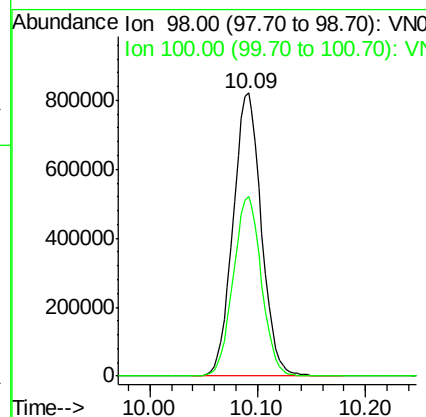
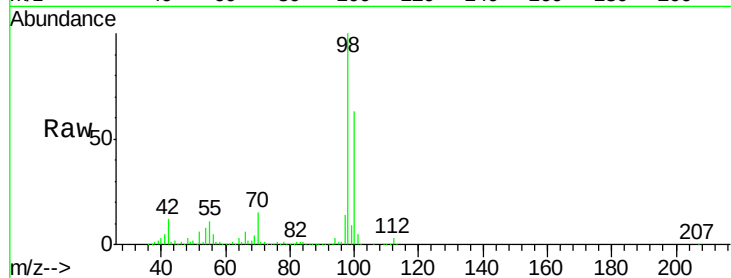
#50
Toluene-d8
Concen: 46.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tot Ion: 98 Resp: 1499676
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

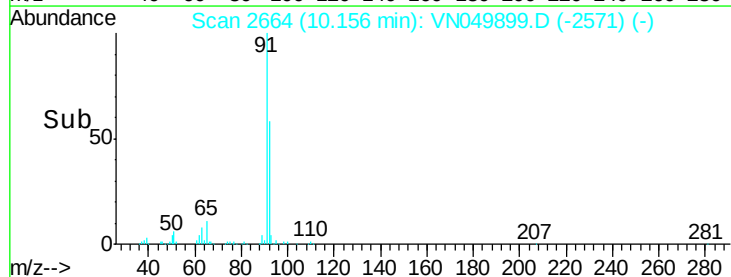
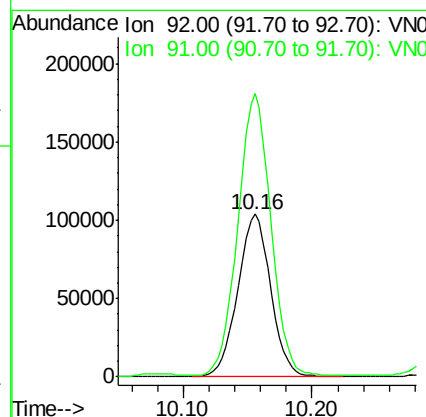
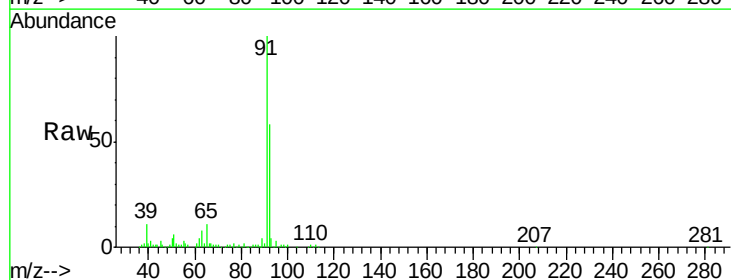
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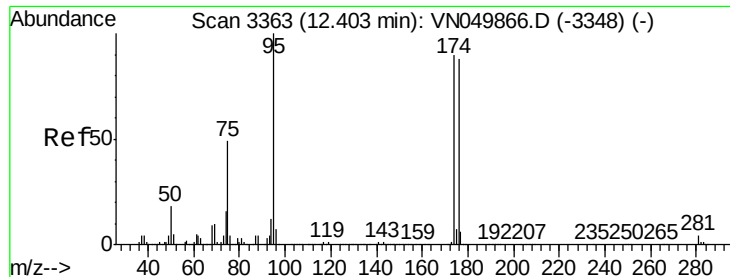
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#52
Toluene
Concen: 8.62 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 92 Resp: 182825
Ion Ratio Lower Upper
92 100
91 174.7 140.1 210.1





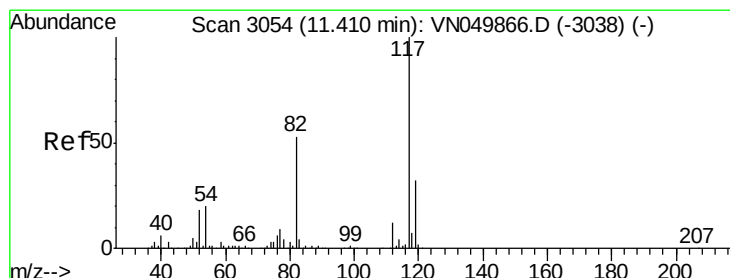
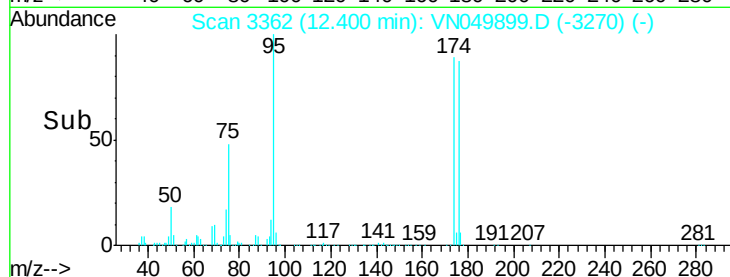
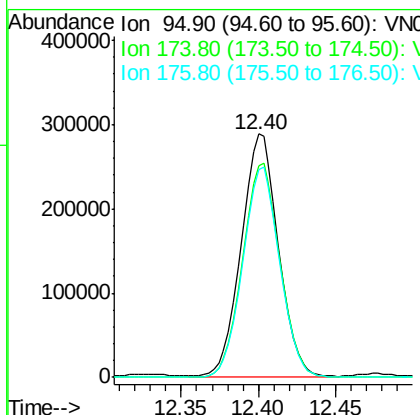
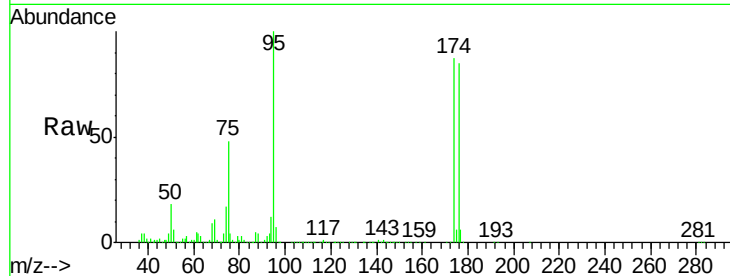
#62
4-Bromofluorobenzene
Concen: 43.14 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampled :
MW1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	477085		
174	89.4	0.0	179.6	
176	86.8	0.0	174.0	

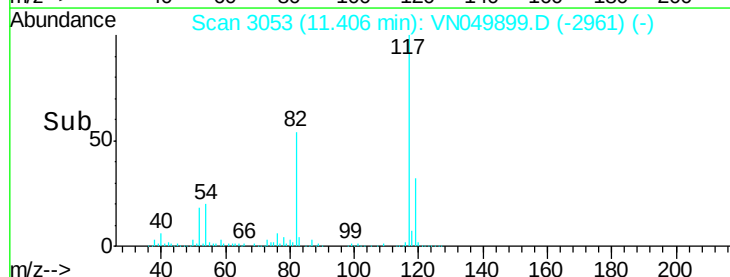
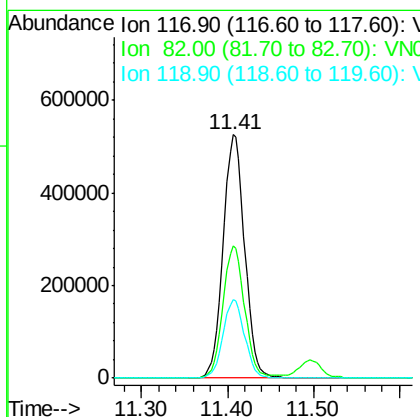
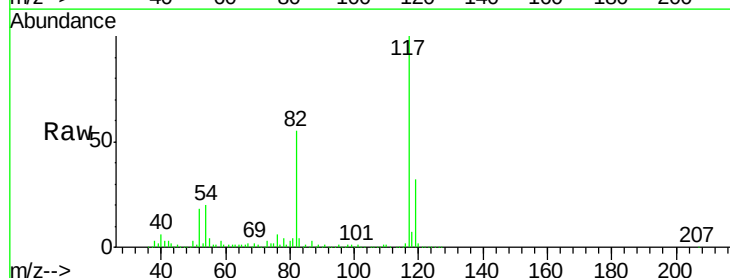
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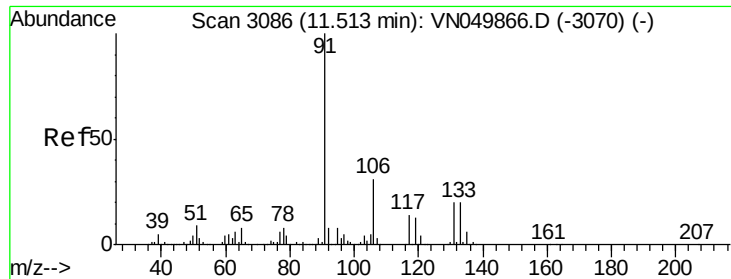
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	913392		
82	54.3	41.9	62.9	
119	32.3	25.4	38.2	





#67

Ethyl Benzene

Concen: 291.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampled :

MW1

Tot Ion: 91 Resp:10838706

Ion Ratio Lower Upper

91 100

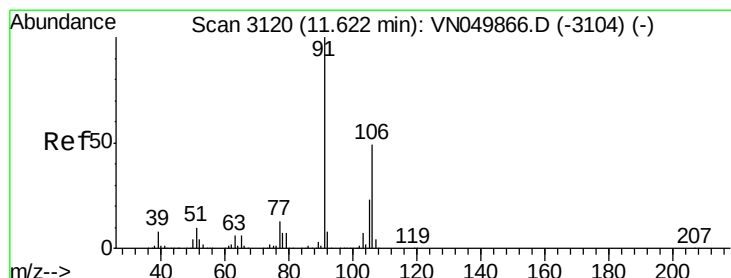
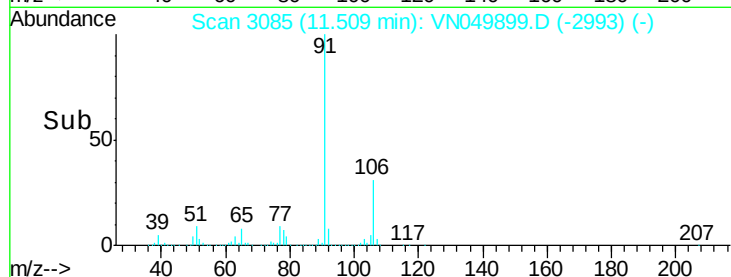
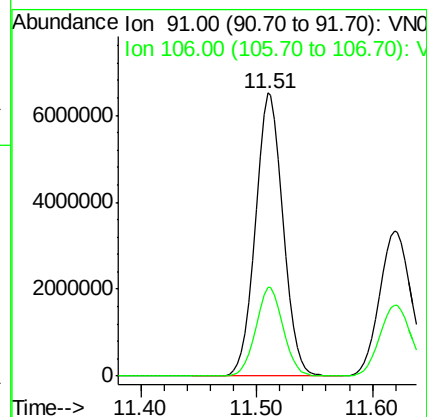
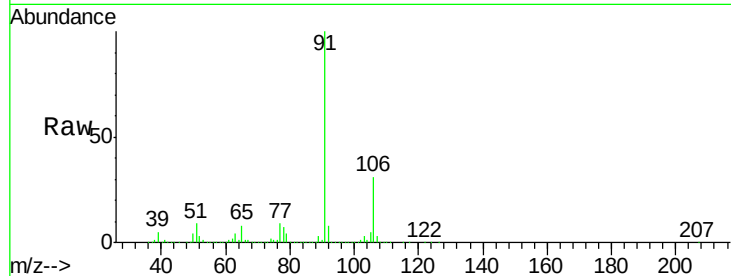
106 31.4 24.8 37.2

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#68

m/p-Xylenes

Concen: 223.16 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049899.D

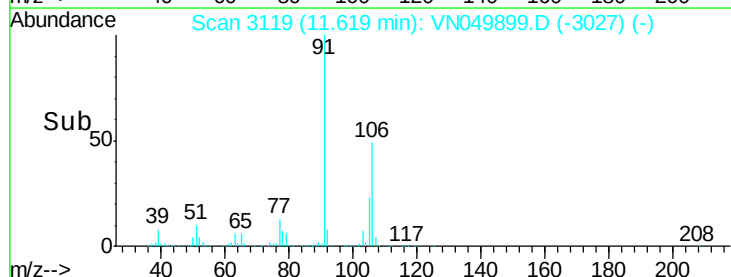
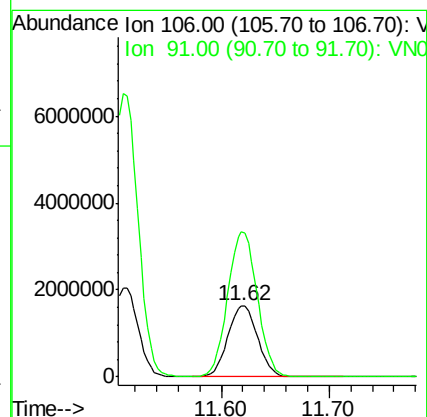
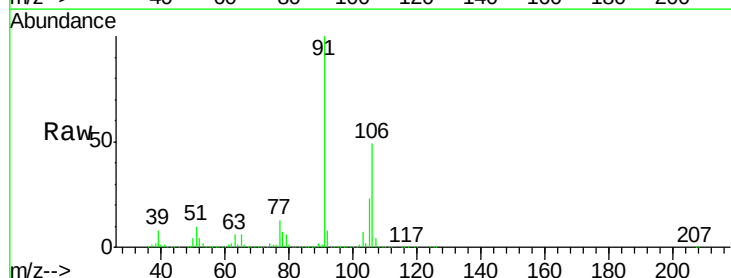
Acq: 19 Jul 2018 3:35

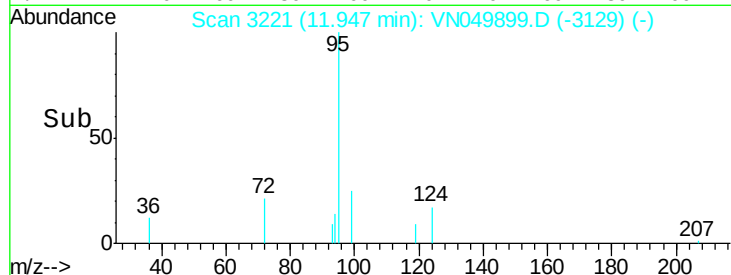
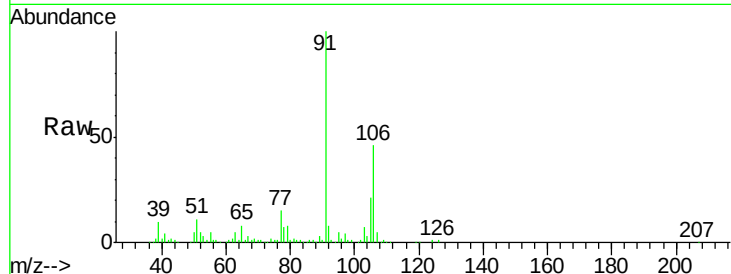
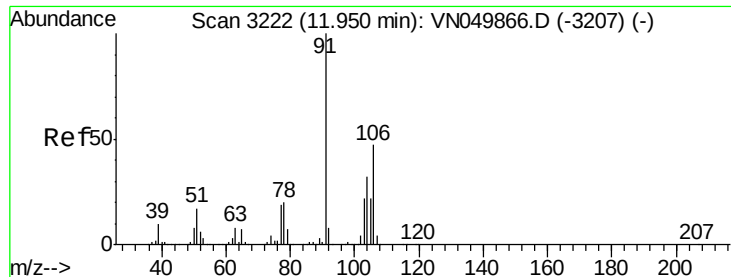
Tgt Ion:106 Resp: 3144949

Ion Ratio Lower Upper

106 100

91 202.7 163.4 245.2





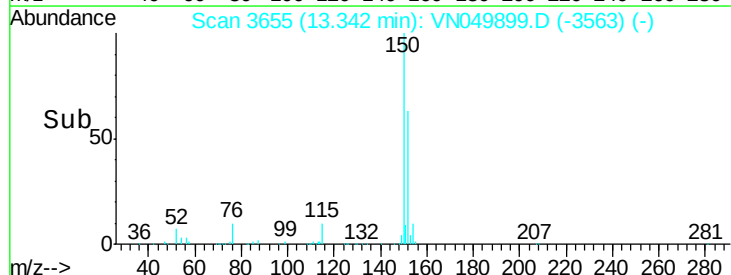
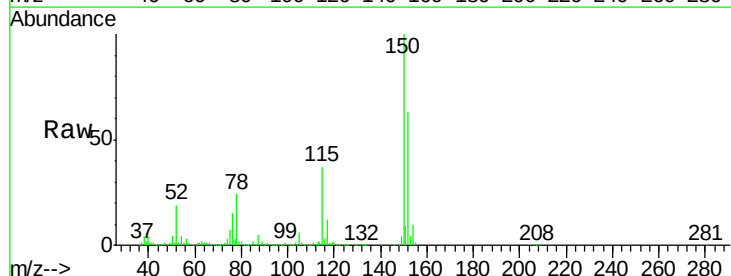
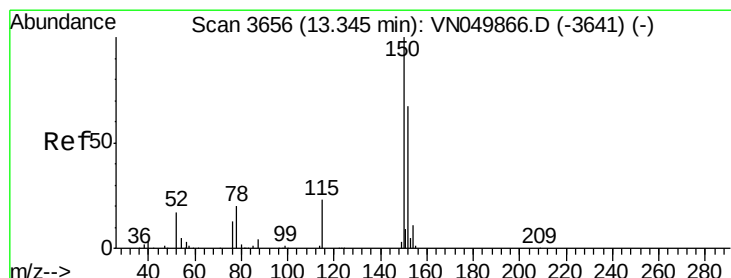
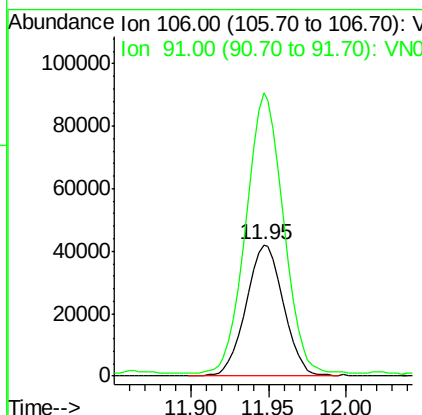
#69
o-Xylene
Concen: 5.26 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tot Ion:106 Resp: 71130
Ion Ratio Lower Upper
106 100
91 212.2 108.7 326.1

Instrument :
MSVOA_N
ClientSampled :
MW1

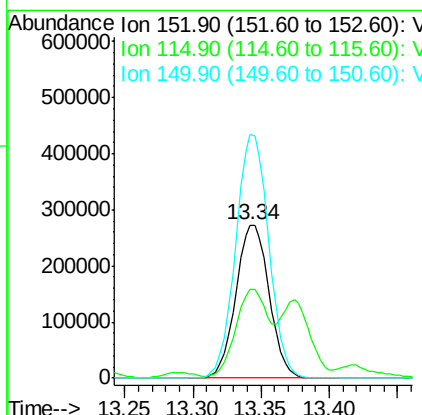
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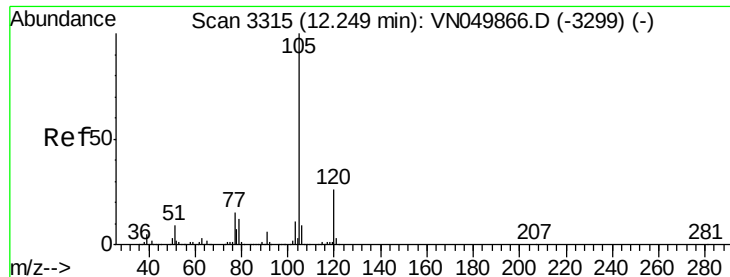
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion:152 Resp: 461137
Ion Ratio Lower Upper
152 100
115 57.9 28.1 84.2
150 158.4 0.0 347.6





#73

Isopropylbenzene

Concen: 123.16 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampleId :

MW1

Tot Ion:105 Resp: 4313971

Ion Ratio Lower Upper

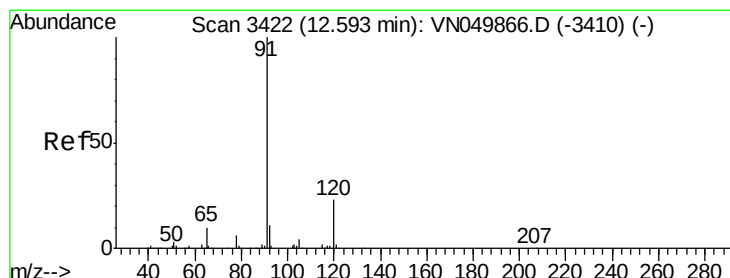
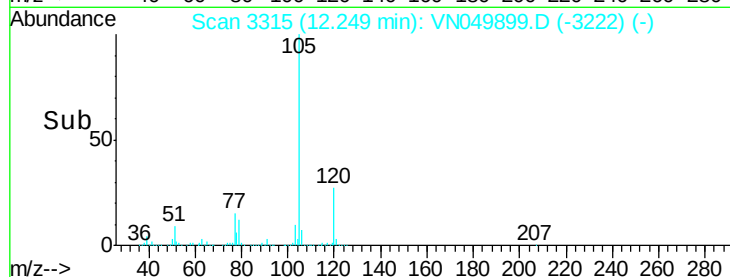
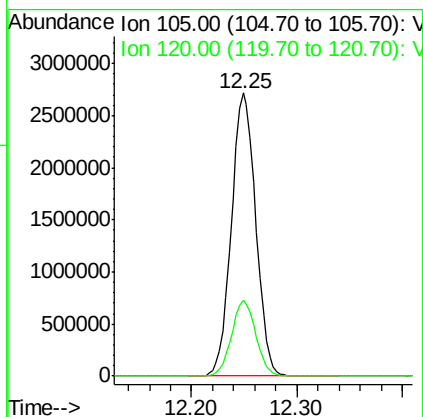
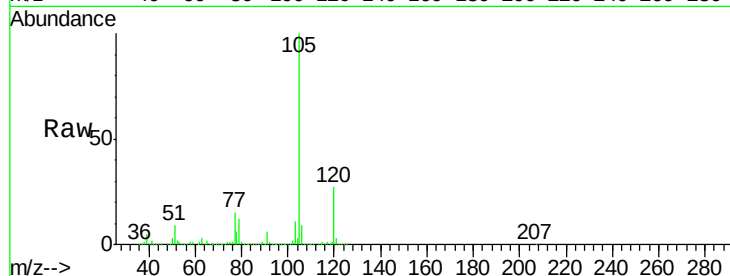
105 100

120 26.7 13.3 39.8

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#78

n-propylbenzene

Concen: 377.44 ug/l

RT: 12.59 min Scan# 3420

Delta R.T. -0.01 min

Lab File: VN049899.D

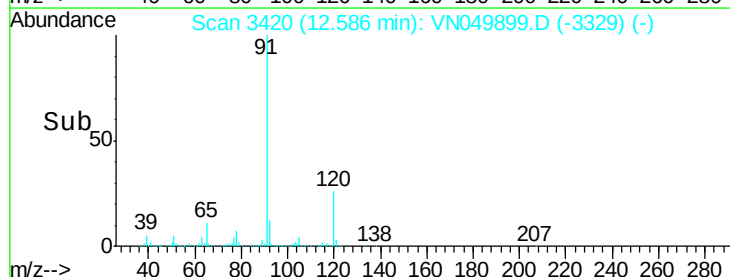
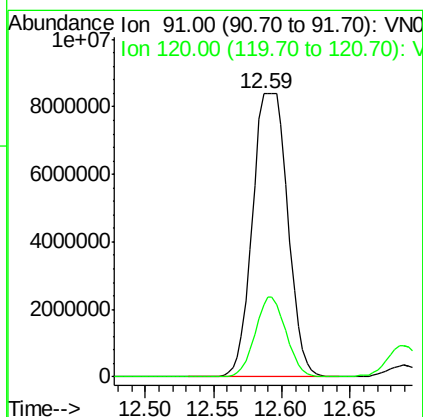
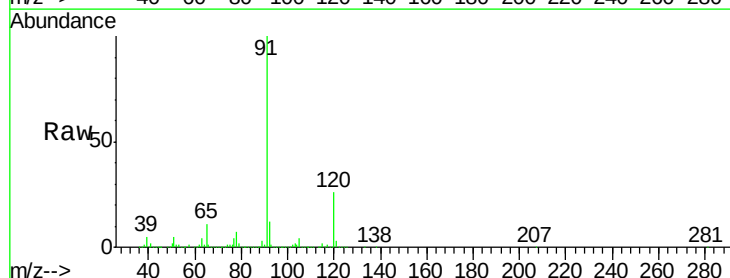
Acq: 19 Jul 2018 3:35

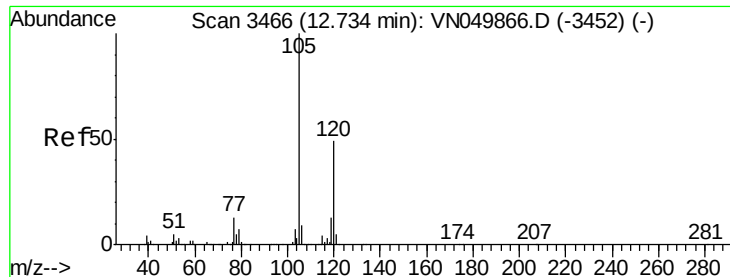
Tgt Ion: 91 Resp:15031057

Ion Ratio Lower Upper

91 100

120 24.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 138.32 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampled :

MW1

Tot Ion:105 Resp: 3883393

Ion Ratio Lower Upper

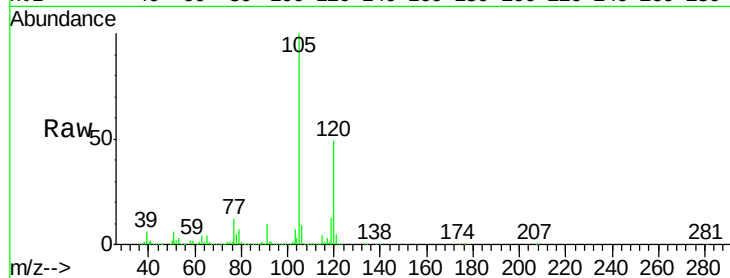
105 100

120 49.8 24.3 72.8

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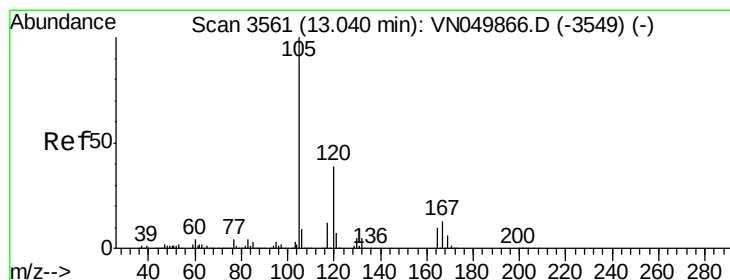
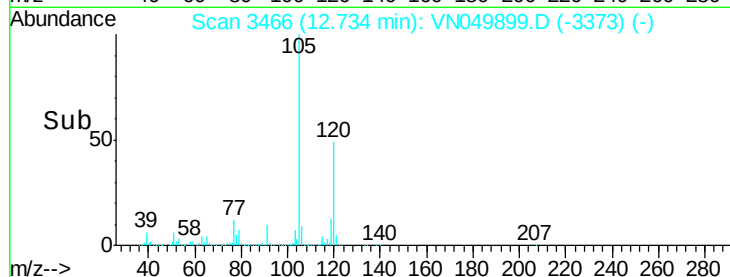
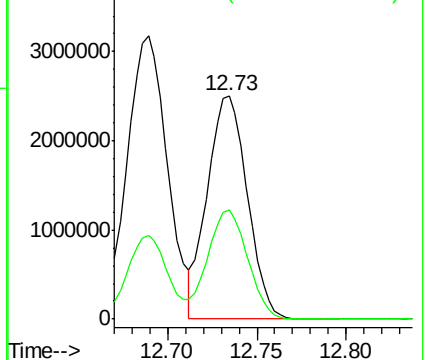
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 181.90 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049899.D

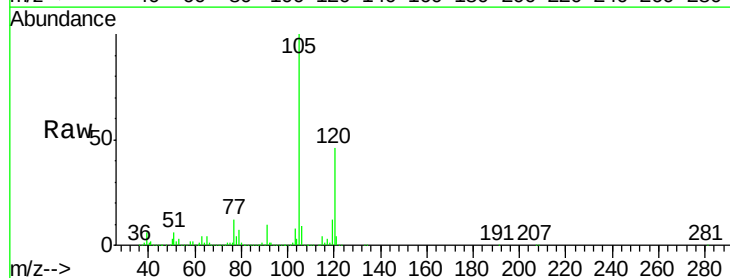
Acq: 19 Jul 2018 3:35

Tgt Ion:105 Resp: 5173308

Ion Ratio Lower Upper

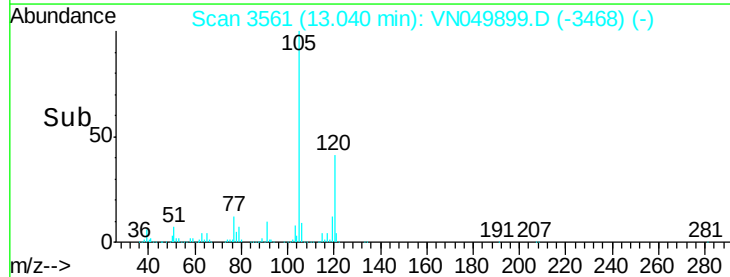
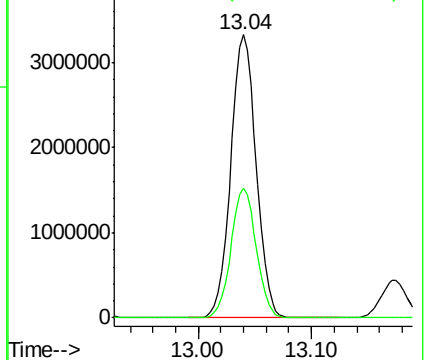
105 100

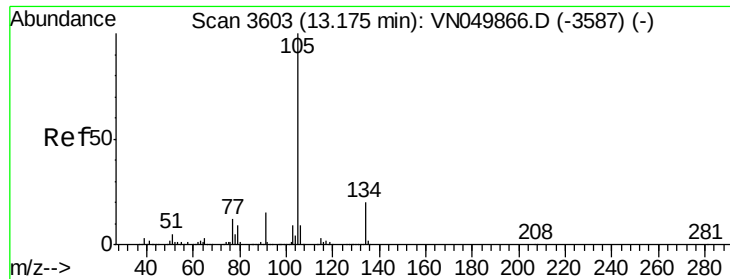
120 45.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.47 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampled :

MW1

Tot Ion:105 Resp: 699418

Ion Ratio Lower Upper

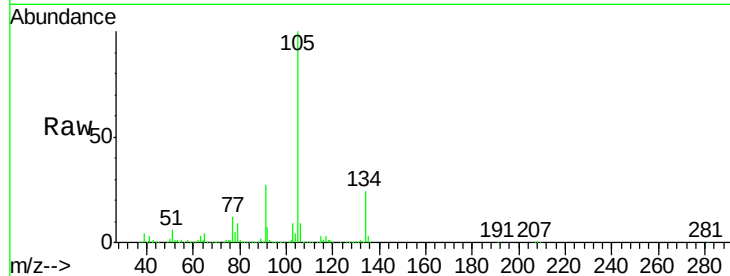
105 100

134 36.1 10.1 30.1#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

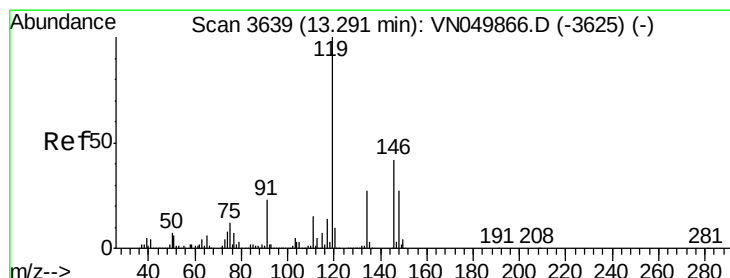
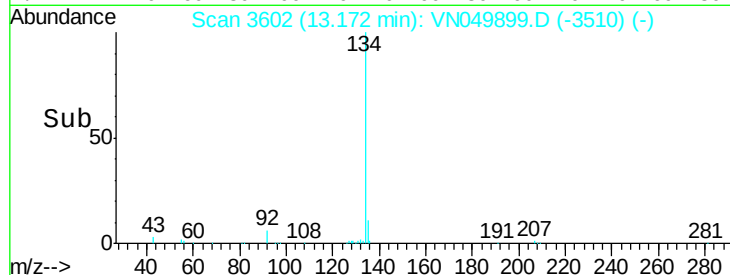
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 6.91 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

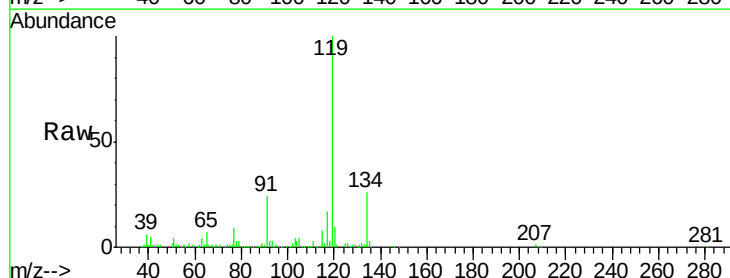
Tgt Ion:119 Resp: 191963

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 23.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

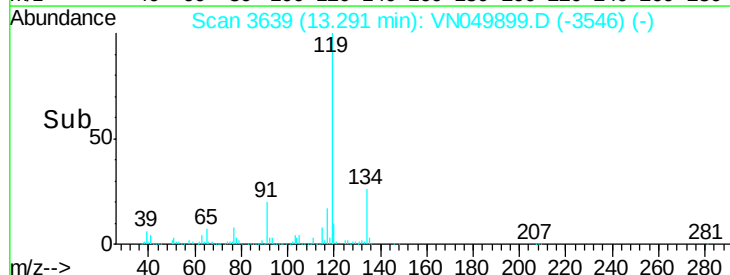
300000

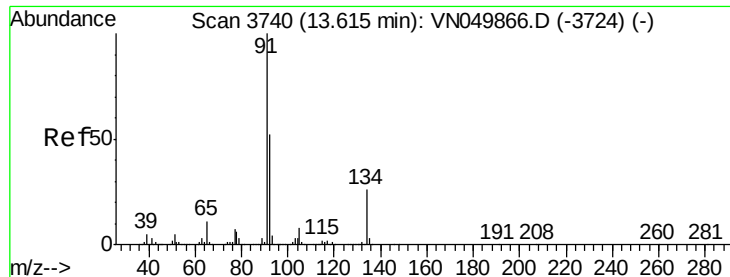
200000

100000

0

Time-->





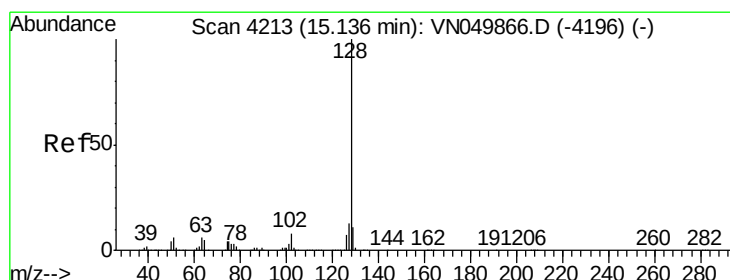
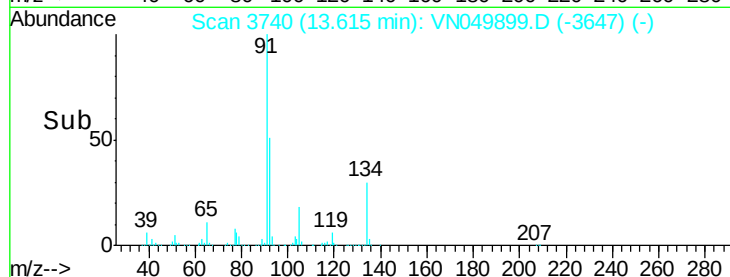
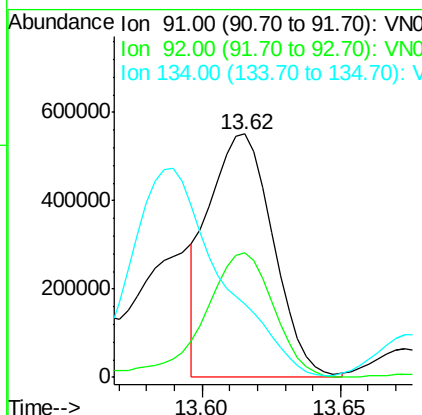
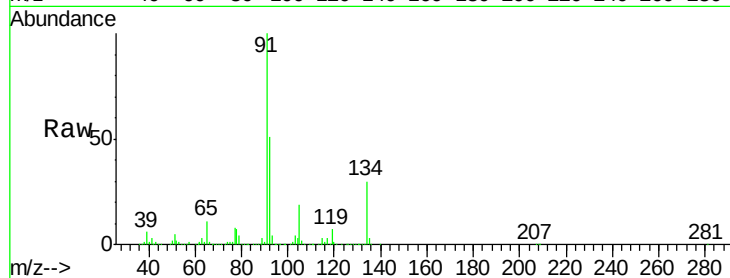
#89
n-Butylbenzene
Concen: 38.76 ug/l m
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampled :
MW1

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	25.8	77.3
134	0.0	13.0	38.9#

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#95
Naphthalene
Concen: 113.11 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	13.0

