

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072618\
 Data File : VN050086.D
 Acq On : 26 Jul 2018 16:51
 Operator : MD\SY
 Sample : J4142-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:15:53 PM

Quant Time: Aug 03 23:49:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	741844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1076044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	943759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	430620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	463054	44.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.48%	
35) Dibromofluoromethane	7.59	113	407548	46.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.78%	
50) Toluene-d8	10.09	98	1520887	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	475569	44.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.44%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.65	56	240809	16.846	ug/l	95
39) Methylcyclohexane	9.08	83	183996	14.753	ug/l	95
40) Benzene	8.04	78	42736	1.158	ug/l	99
52) Toluene	10.16	92	9362	0.430	ug/l	92
67) Ethyl Benzene	11.51	91	138843	3.626	ug/l	100
69) o-Xylene	11.95	106	15578	1.128	ug/l	100
73) Isopropylbenzene	12.25	105	717156	21.474	ug/l	100
78) n-propylbenzene	12.59	91	1828693	48.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	16563m	0.630	ug/l	
83) tert-Butylbenzene	13.00	119	36342	1.585	ug/l	97
85) sec-Butylbenzene	13.17	105	422978	13.809	ug/l	85
89) n-Butylbenzene	13.62	91	290199	13.673	ug/l #	73

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

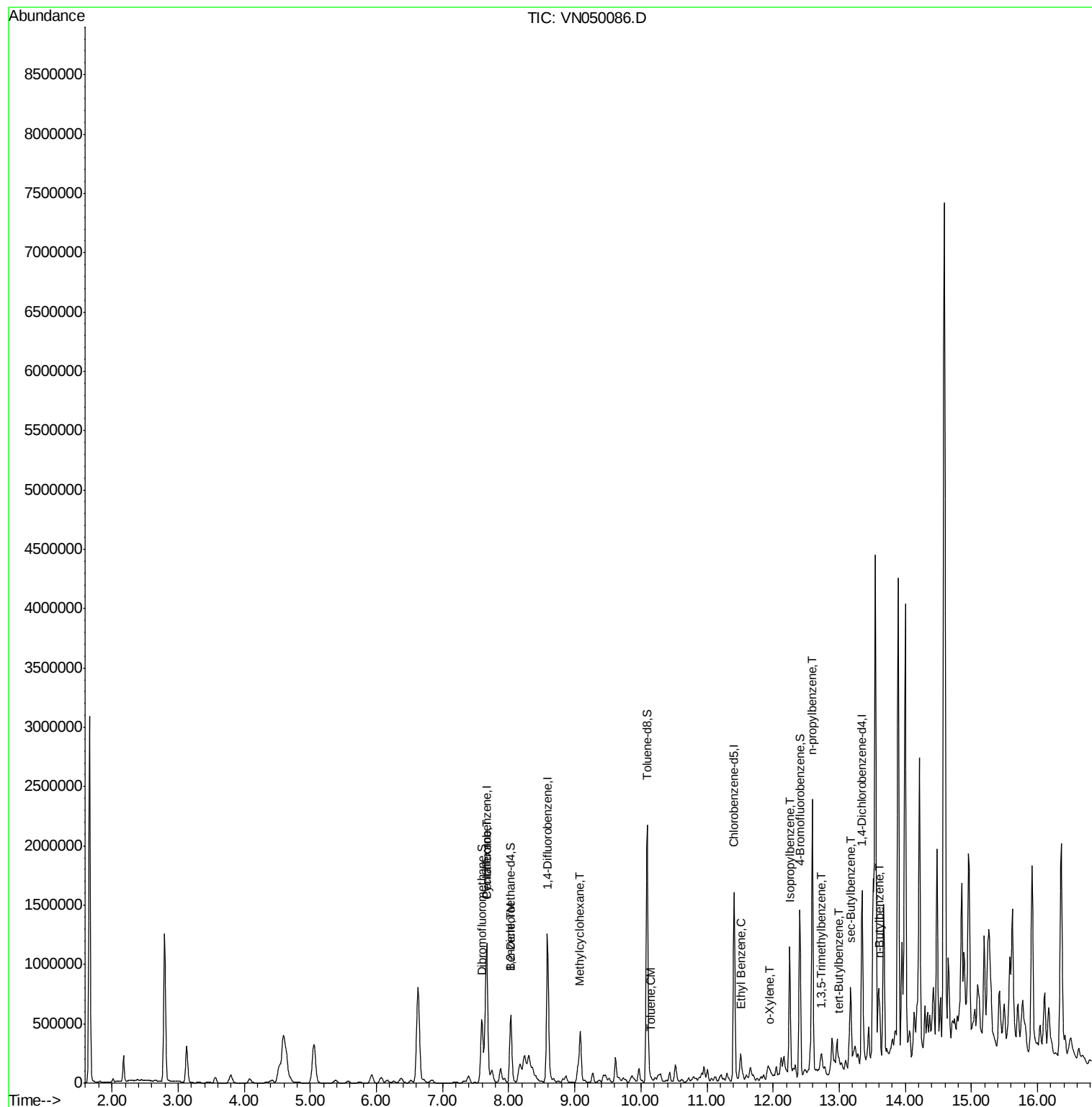
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072618\
Data File : VN050086.D
Acq On : 26 Jul 2018 16:51
Operator : MD\SY
Sample : J4142-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

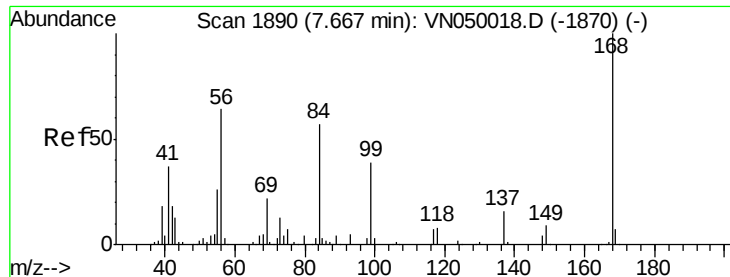
Instrument :
MSVOA_N
ClientSampleId :
MW-7

Manual Integrations
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7/27/2018 12:15:53 PM

Quant Time: Aug 03 23:49:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tgt Ion:168 Resp: 741844

Ion Ratio Lower Upper

168 100

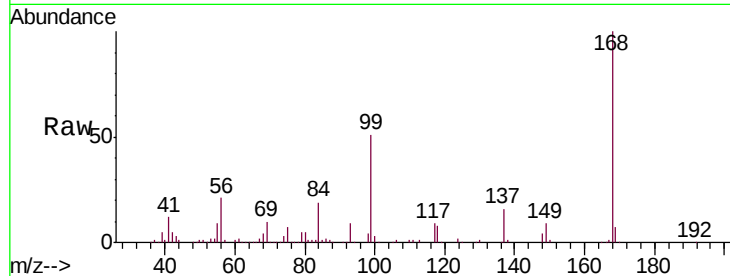
99 50.7 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

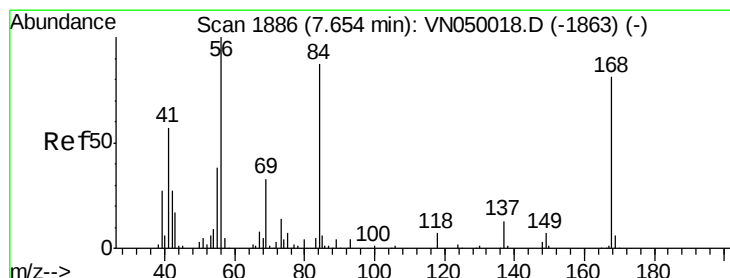
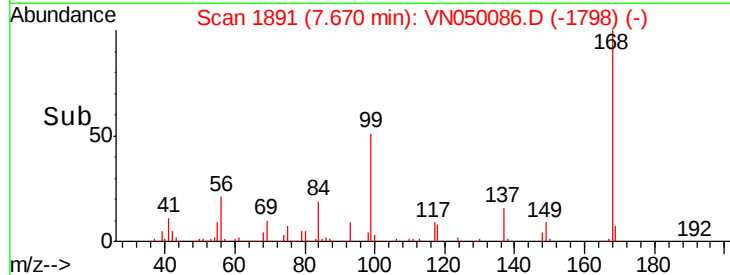
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 16.846 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

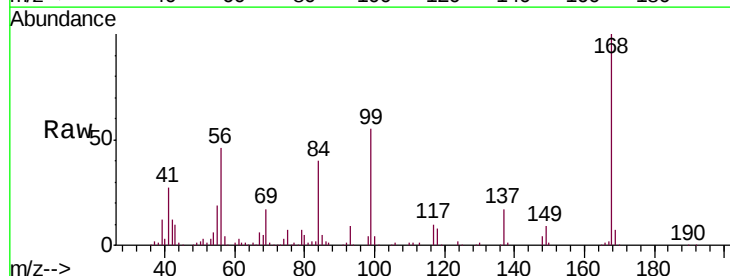
Tgt Ion: 56 Resp: 240809

Ion Ratio Lower Upper

56 100

69 36.3 26.2 39.4

84 88.0 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

7.65

120000

100000

80000

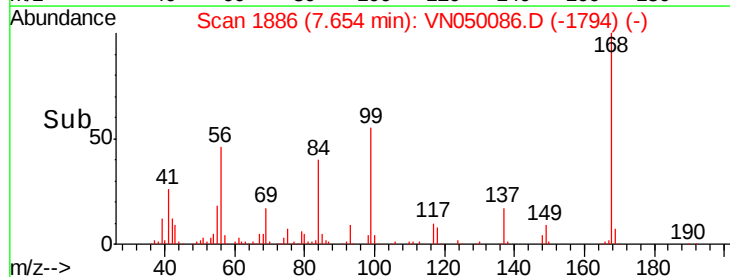
60000

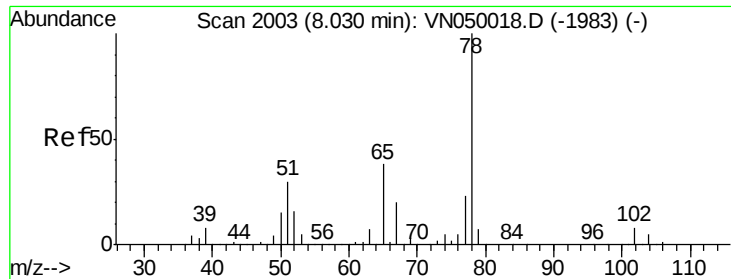
40000

20000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 44.738 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tgt Ion: 65 Resp: 463054

Ion Ratio Lower Upper

65 100

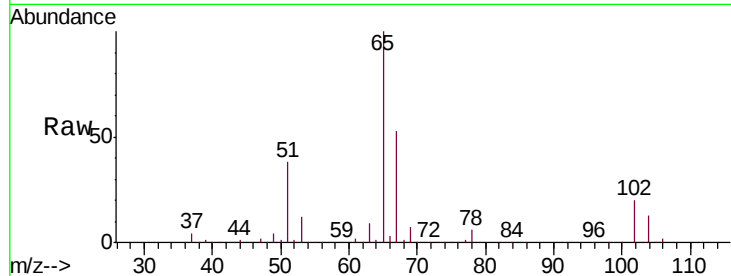
67 52.6 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

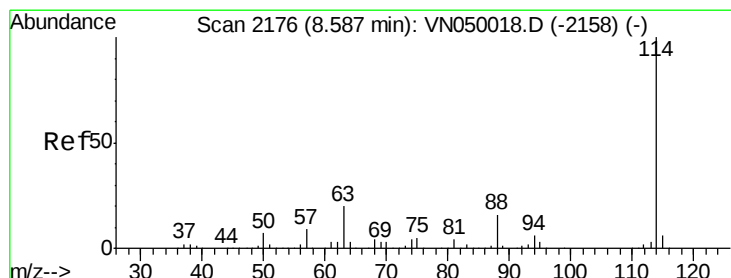
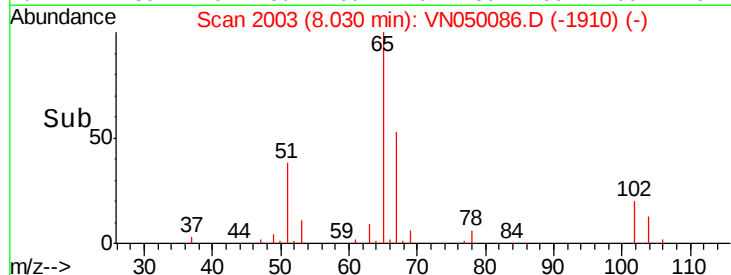
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

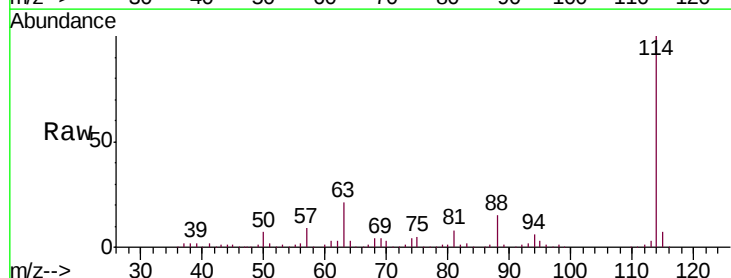
Tgt Ion: 114 Resp: 1076044

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

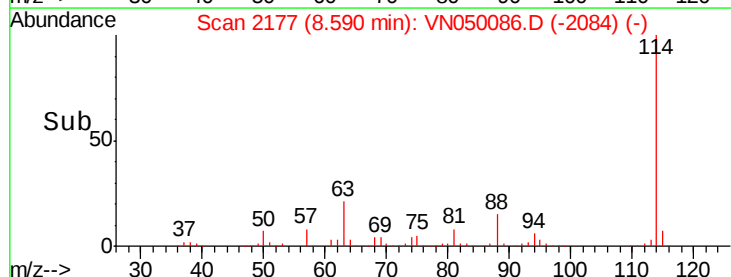
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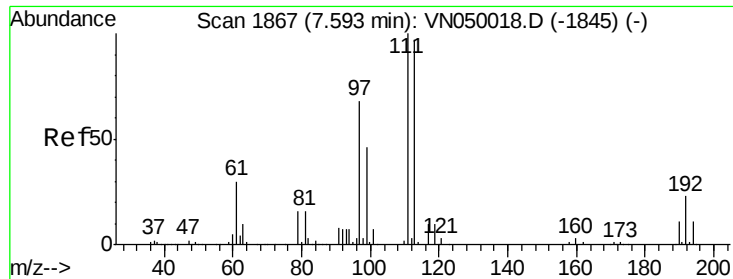
400000

200000

0

Time-->





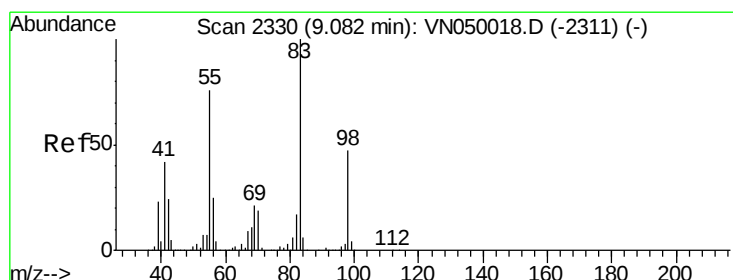
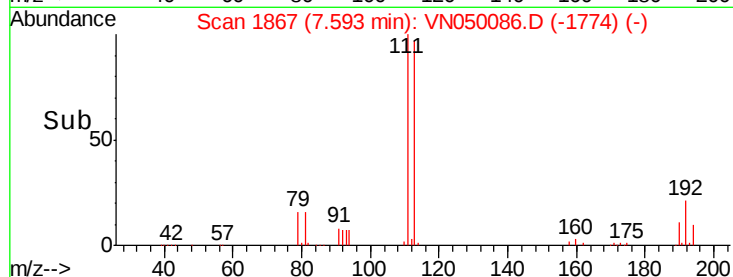
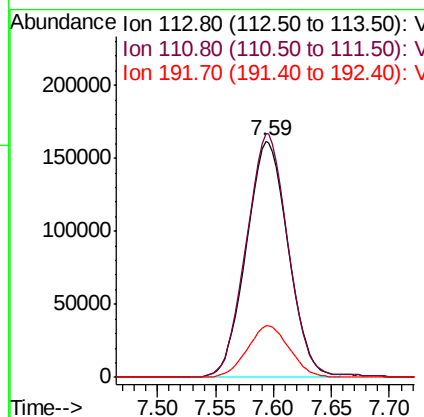
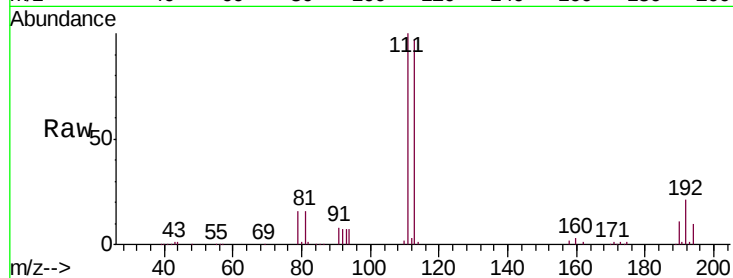
#35
 Dibromofluoromethane
 Concen: 46.388 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050086.D
 Acq: 26 Jul 2018 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	407548		
111	102.5	80.7	121.1	
192	22.0	17.8	26.6	

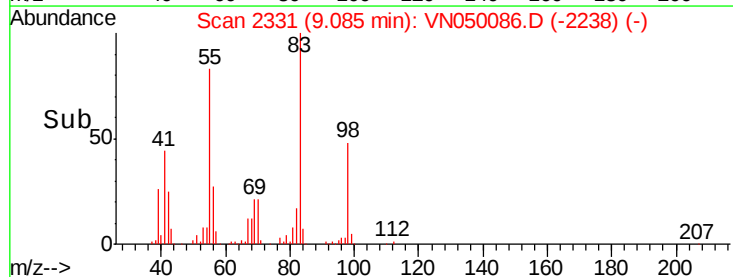
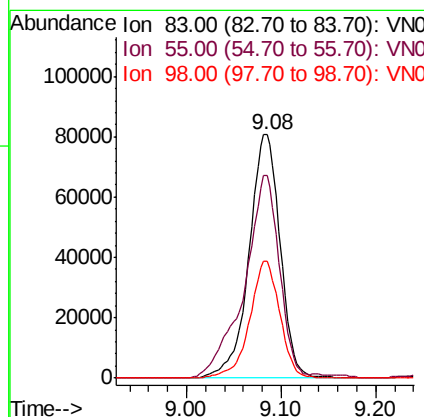
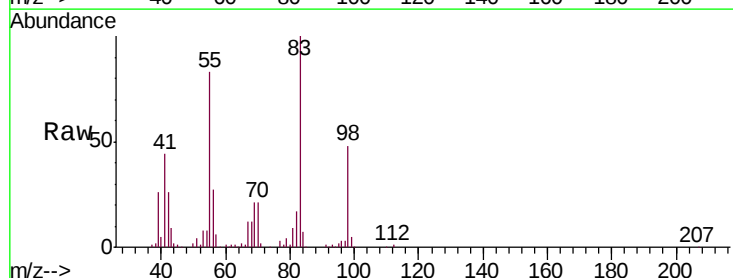
Manual Integrations
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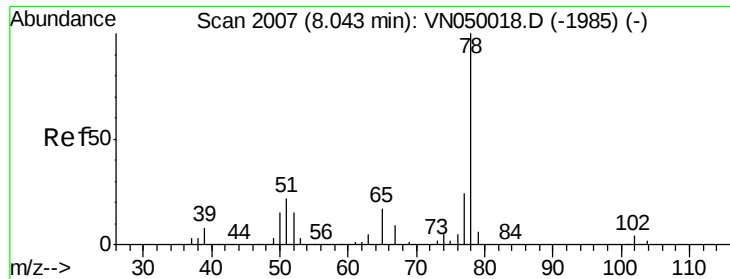
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#39
 Methylcyclohexane
 Concen: 14.753 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050086.D
 Acq: 26 Jul 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	183996		
55	82.7	61.8	92.8	
98	47.8	36.5	54.7	





#40

Benzene

Concen: 1.158 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tgt Ion: 78 Resp: 42736

Ion Ratio Lower Upper

78 100

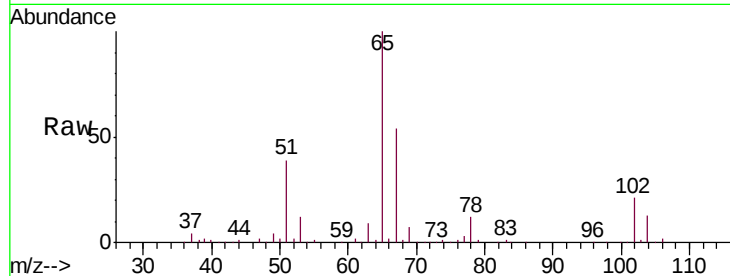
77 22.7 18.7 28.1

Manual Integrations

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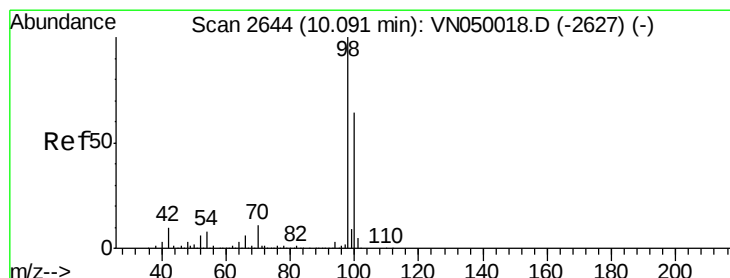
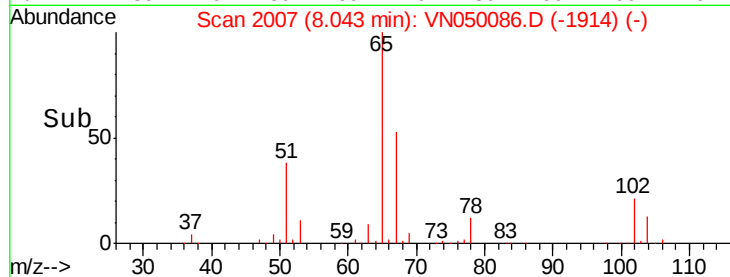
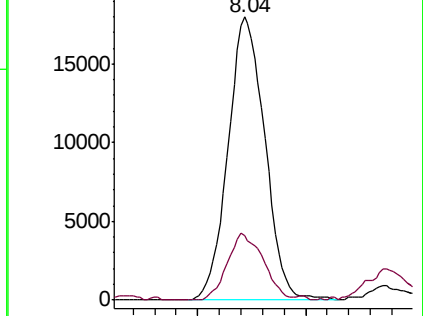
MMDadoda

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 47.087 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050086.D

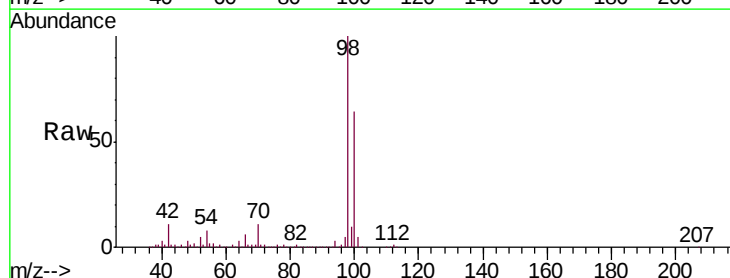
Acq: 26 Jul 2018 16:51

Tgt Ion: 98 Resp: 1520887

Ion Ratio Lower Upper

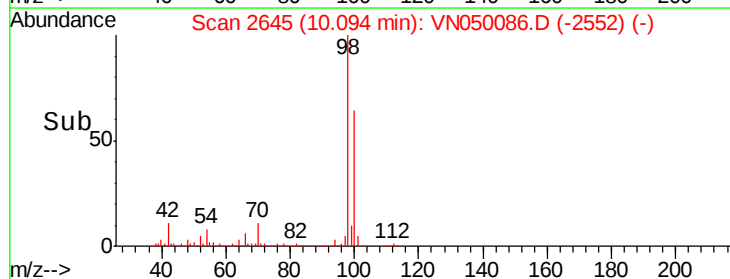
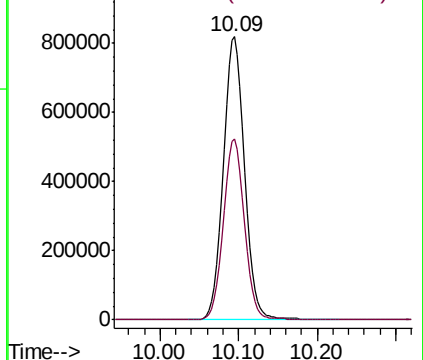
98 100

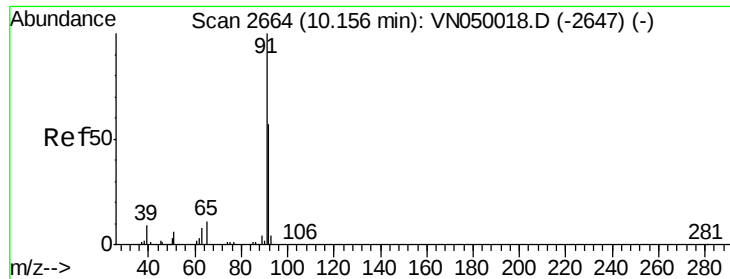
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





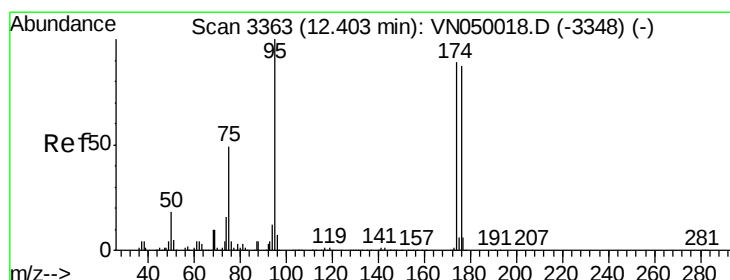
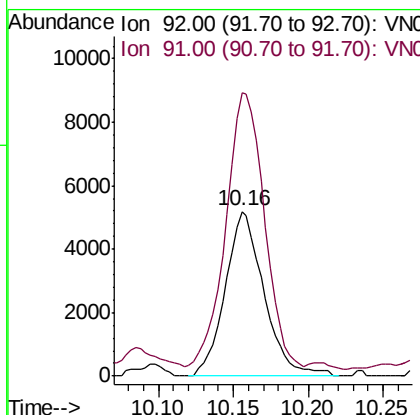
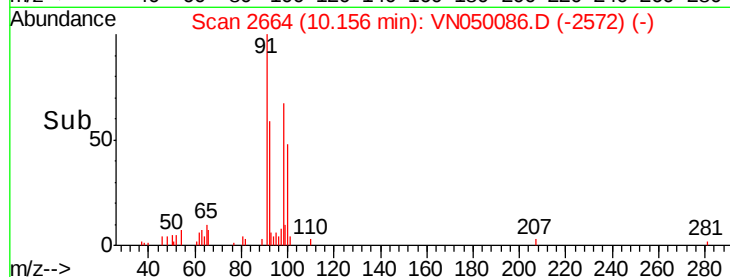
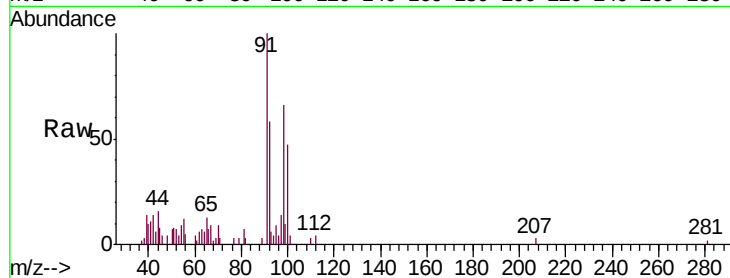
#52
Toluene
Concen: 0.430 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tgt Ion: 92 Resp: 9362
Ion Ratio Lower Upper
92 100
91 164.7 140.3 210.5

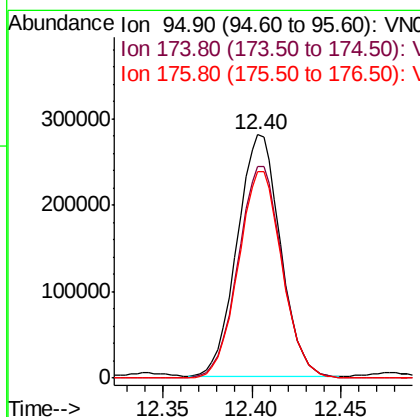
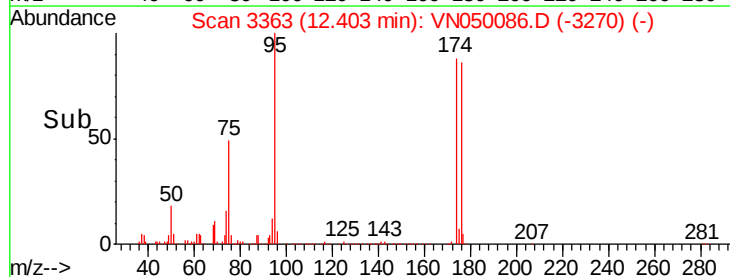
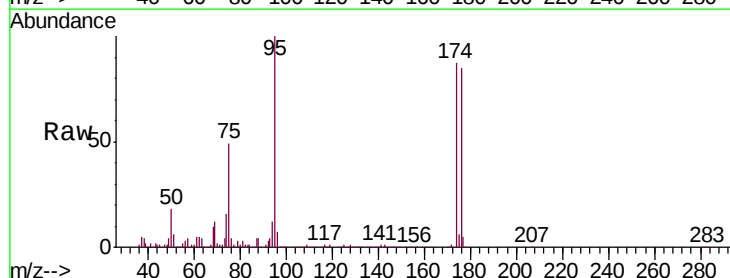
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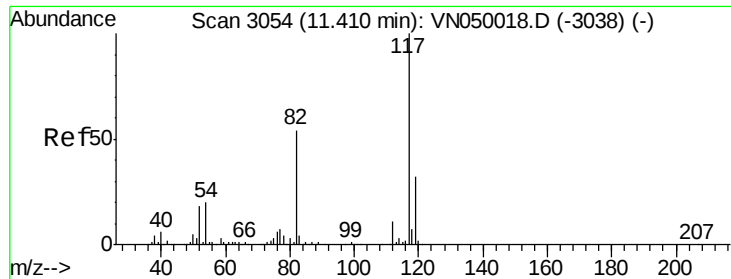
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#62
4-Bromofluorobenzene
Concen: 44.715 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Tgt Ion: 95 Resp: 475569
Ion Ratio Lower Upper
95 100
174 88.8 0.0 178.2
176 86.3 0.0 173.4





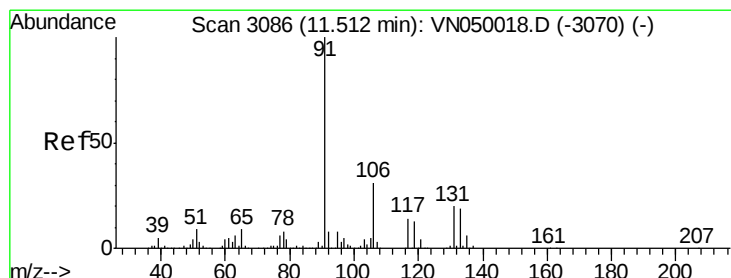
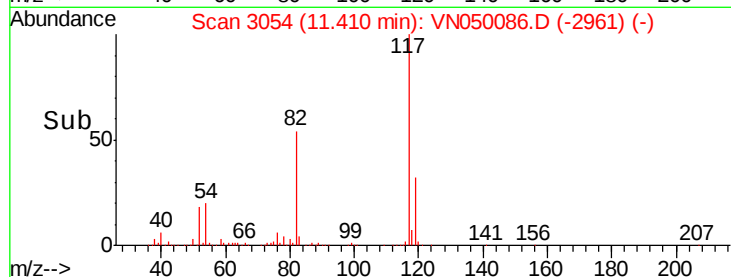
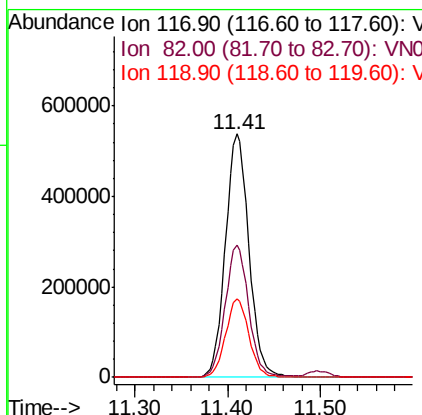
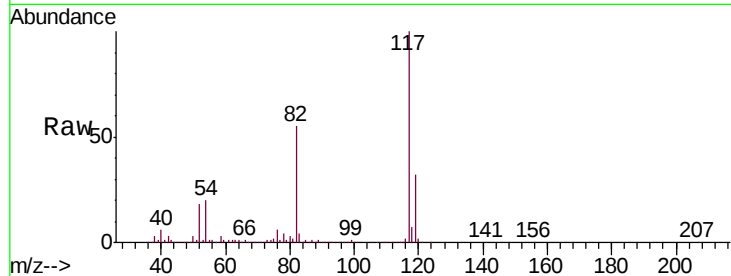
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.7	65.5
119	32.3	26.1	39.1

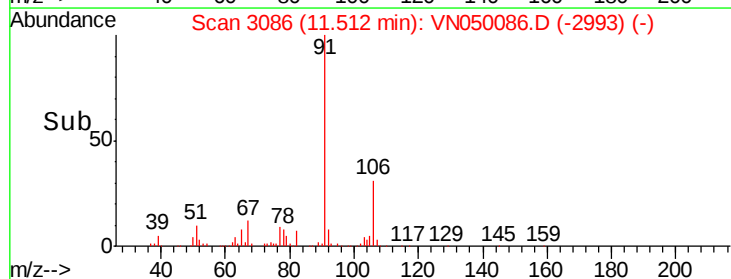
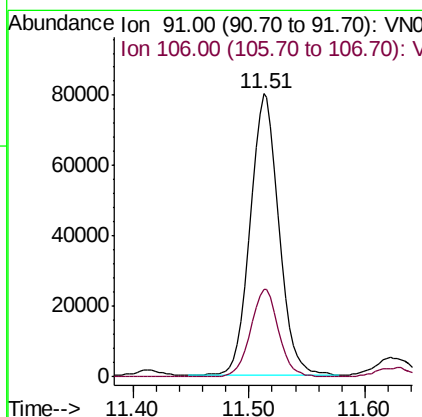
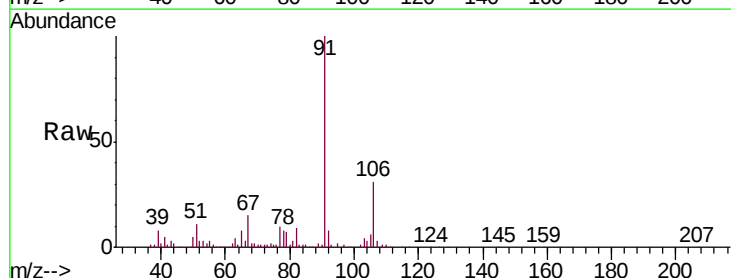
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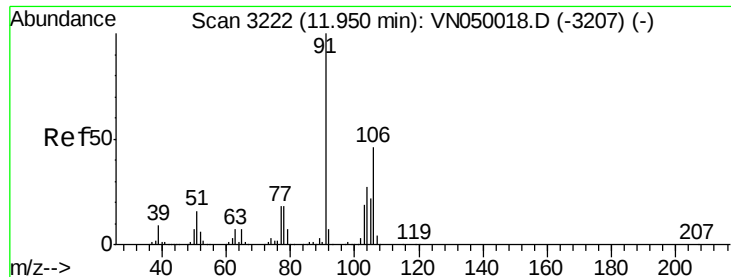
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#67
Ethyl Benzene
Concen: 3.626 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4





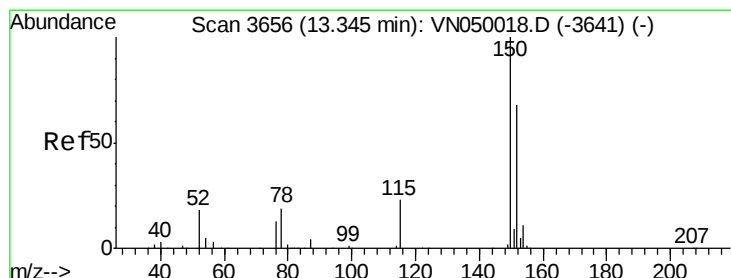
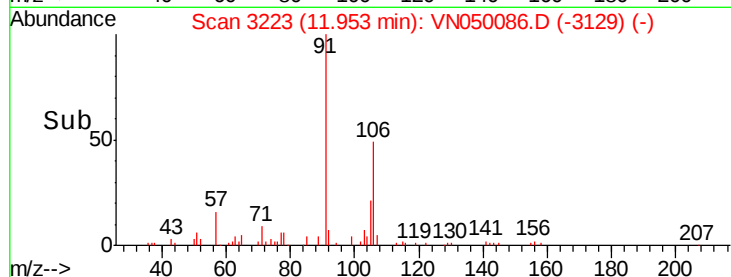
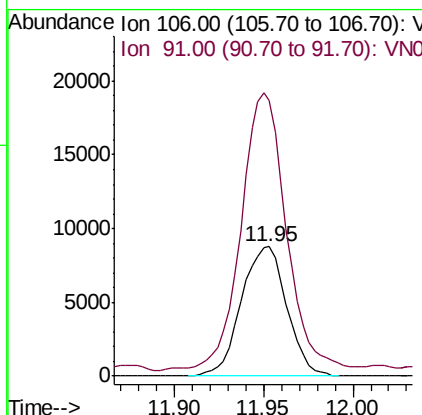
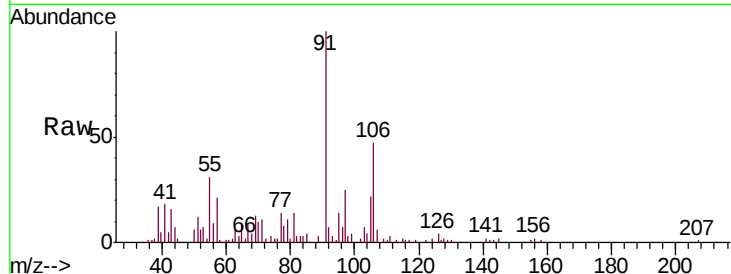
#69
o-Xylene
Concen: 1.128 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
MW-7

Tgt Ion:106 Resp: 15578
Ion Ratio Lower Upper
106 100
91 214.7 107.7 323.1

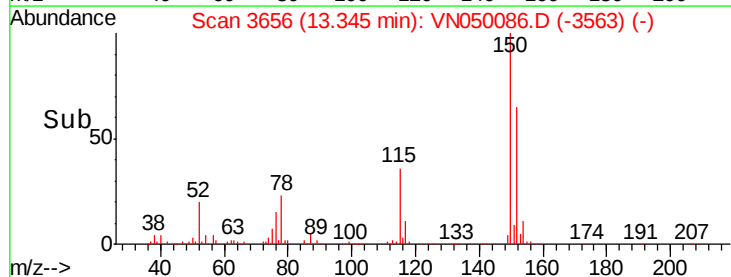
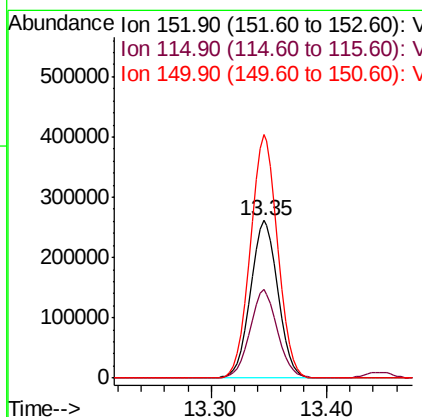
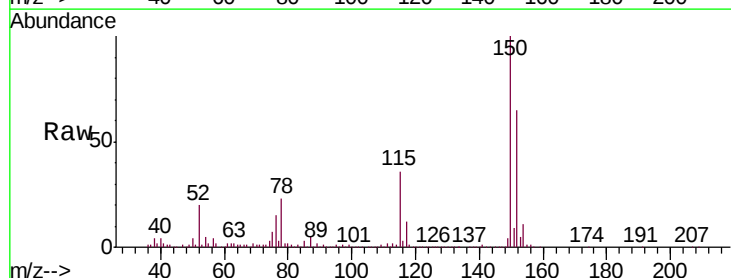
Manual Integrations
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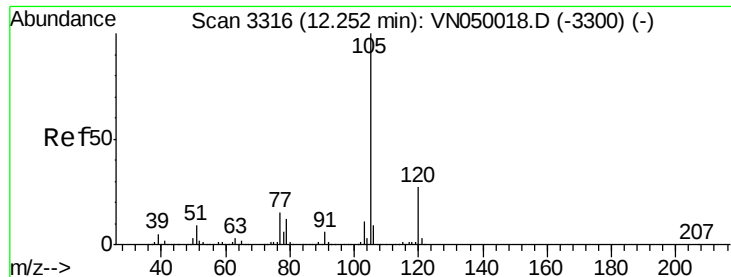
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050086.D
Acq: 26 Jul 2018 16:51

Tgt Ion:152 Resp: 430620
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.3
150 154.1 0.0 348.6





#73

Isopropylbenzene

Concen: 21.474 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tgt Ion: 105 Resp: 717156

Ion Ratio Lower Upper

105 100

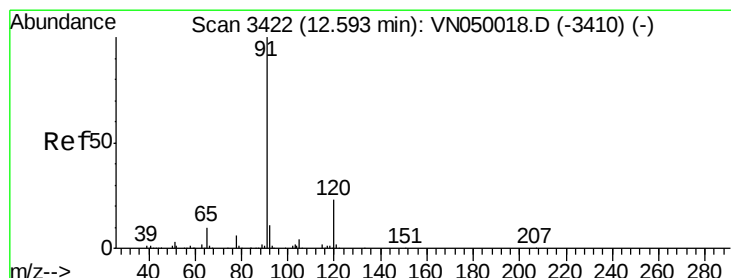
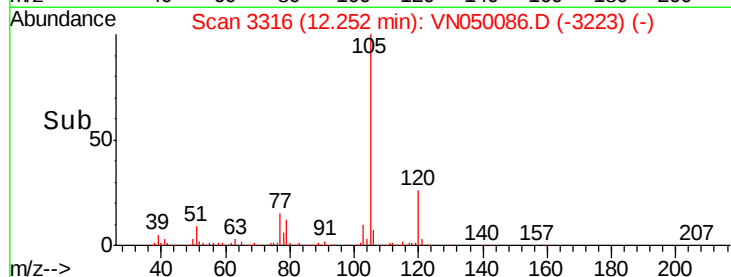
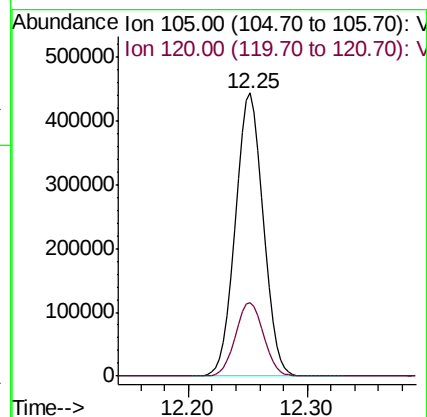
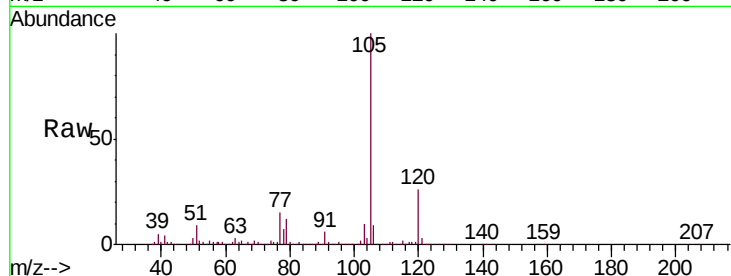
120 26.3 13.3 39.8

Manual Integrations

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#78

n-propylbenzene

Concen: 48.989 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050086.D

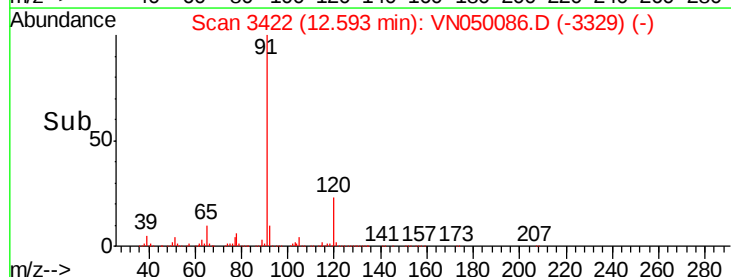
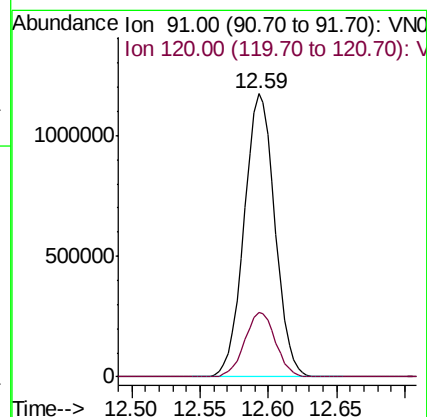
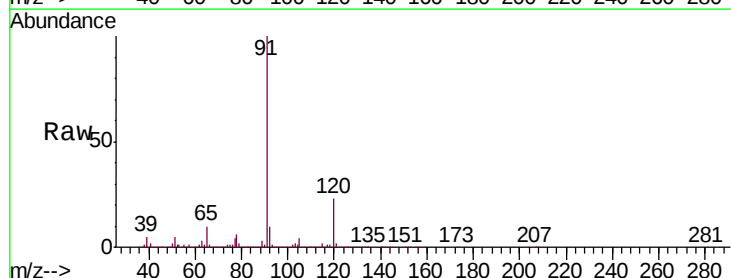
Acq: 26 Jul 2018 16:51

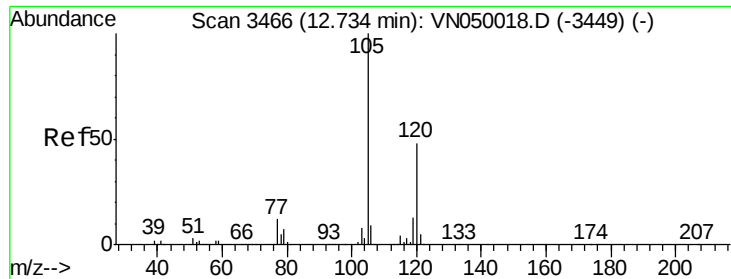
Tgt Ion: 91 Resp: 1828693

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.7





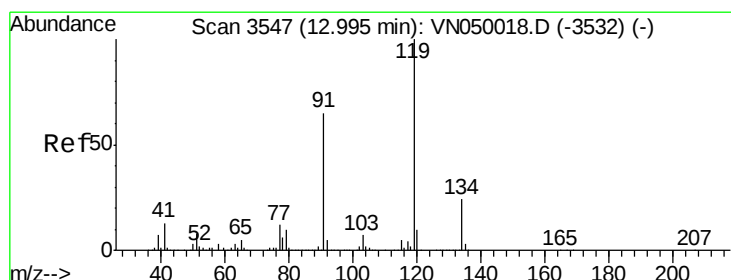
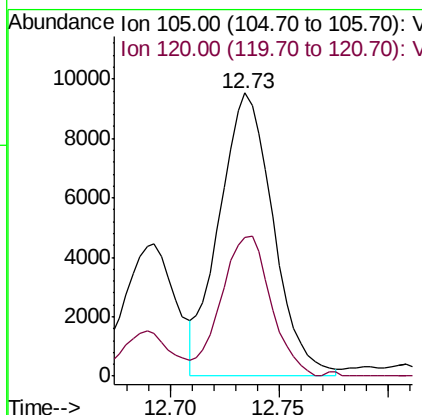
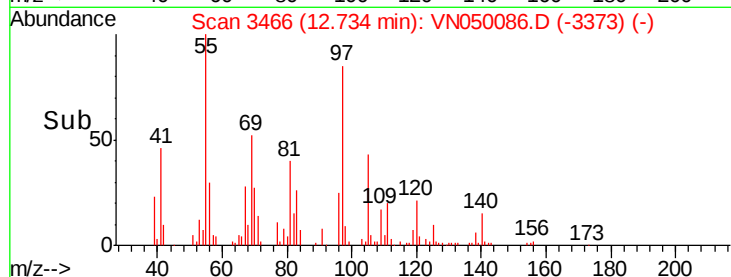
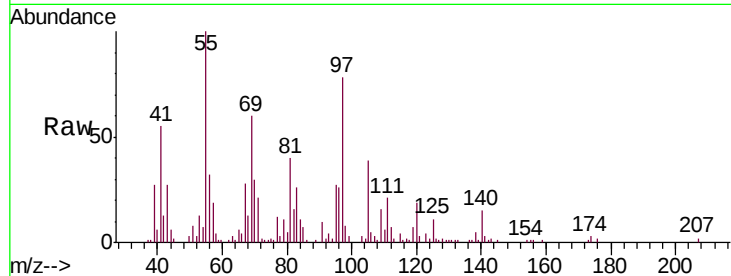
#80
 1,3,5-Trimethylbenzene
 Concen: 0.630 ug/l m
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050086.D
 Acq: 26 Jul 2018 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7

Tgt Ion:105 Resp: 16563
 Ion Ratio Lower Upper
 105 100
 120 352.0 24.4 73.2#

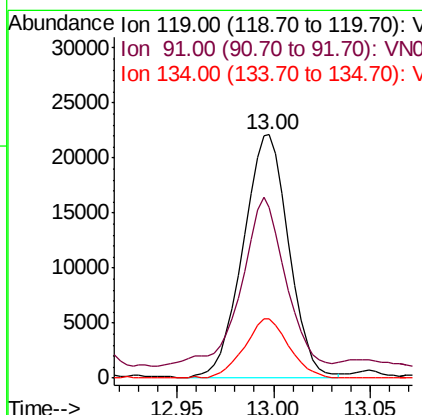
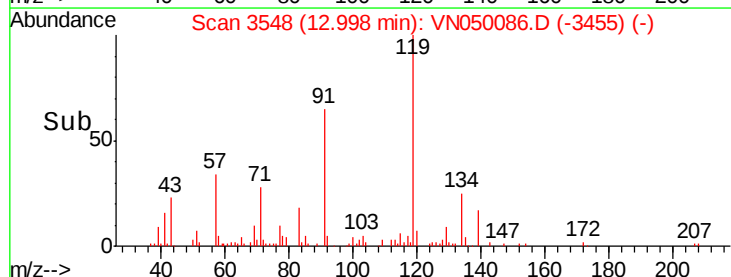
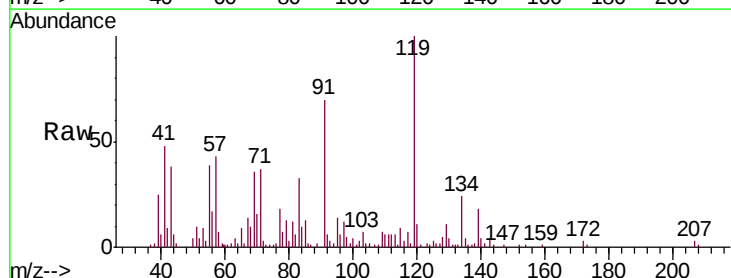
Manual Integrations
 APPROVED

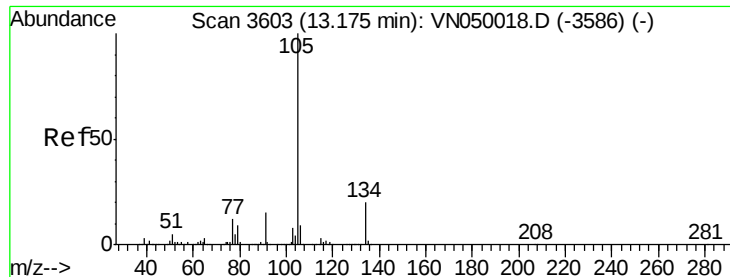
MMDadoda
 7/27/2018 12:15:53 PM



#83
 tert-Butylbenzene
 Concen: 1.585 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050086.D
 Acq: 26 Jul 2018 16:51

Tgt Ion:119 Resp: 36342
 Ion Ratio Lower Upper
 119 100
 91 66.4 32.1 96.3
 134 23.7 13.2 39.5





#85

sec-Butylbenzene

Concen: 13.809 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

MW-7

Tgt Ion: 105 Resp: 422978

Ion Ratio Lower Upper

105 100

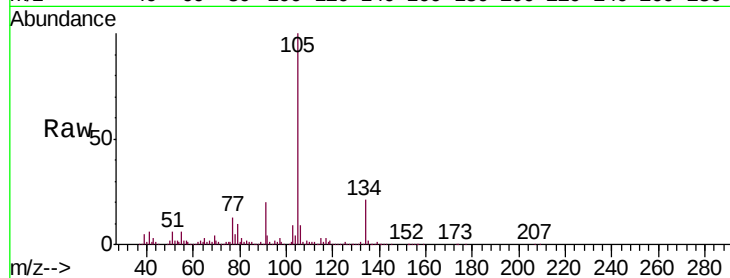
134 27.2 10.1 30.1

Manual Integrations

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7/27/2018 12:15:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

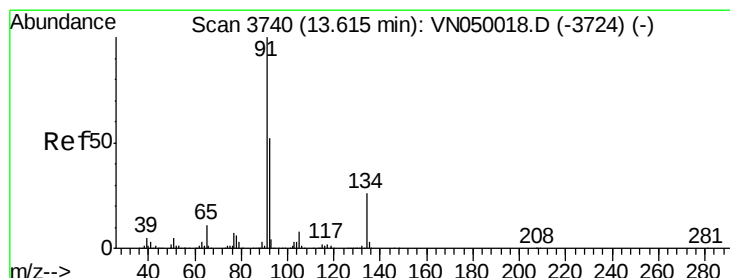
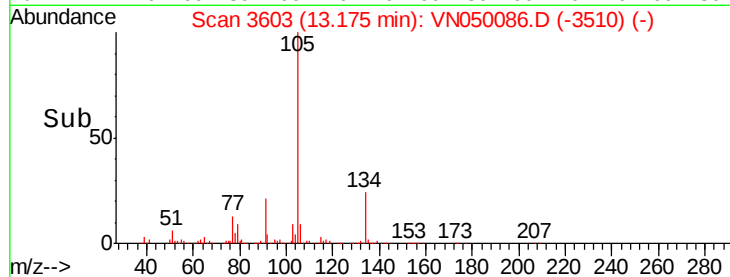
100000

50000

0

13.10 13.15 13.20

Time-->



#89

n-Butylbenzene

Concen: 13.673 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050086.D

Acq: 26 Jul 2018 16:51

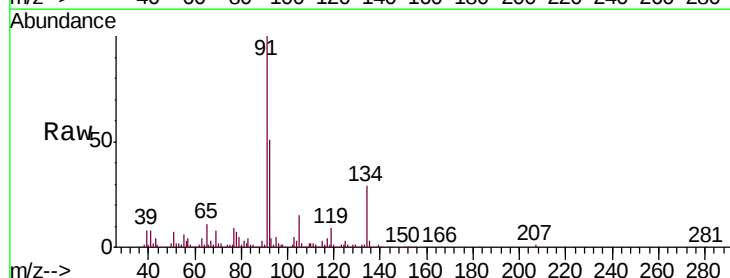
Tgt Ion: 91 Resp: 290199

Ion Ratio Lower Upper

91 100

92 42.5 25.8 77.4

134 53.9 12.8 38.4#



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

300000

250000

200000

150000

100000

50000

0

13.55 13.60 13.65

Time-->

