

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051711.D
 Acq On : 6 Oct 2018 1:42
 Operator : MD\SY
 Sample : J5084-05DL 400X
 Misc : 5.61g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(8-8.5)DL

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:12 PM

Quant Time: Oct 06 03:59:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	954637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366779	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	394441	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
35) Dibromofluoromethane	7.59	113	359995	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.09	98	1358450	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	399598	41.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.00%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	32019m	2.556	ug/l	
52) Toluene	10.16	92	198142	10.071	ug/l	97
67) Ethyl Benzene	11.51	91	308760	8.496	ug/l	99
68) m/p-Xylenes	11.62	106	548284	37.705	ug/l	99
69) o-Xylene	11.95	106	218364	15.312	ug/l	99
73) Isopropylbenzene	12.25	105	49859	1.595	ug/l	99
78) n-propylbenzene	12.59	91	185172	5.430	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290435	11.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	999778	37.882	ug/l	99
85) sec-Butylbenzene	13.17	105	25385m	0.813	ug/l	
86) p-Isopropyltoluene	13.29	119	12643m	0.457	ug/l	
89) n-Butylbenzene	13.62	91	32437	1.482	ug/l #	61
95) Naphthalene	15.13	128	53334	4.191	ug/l	99

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

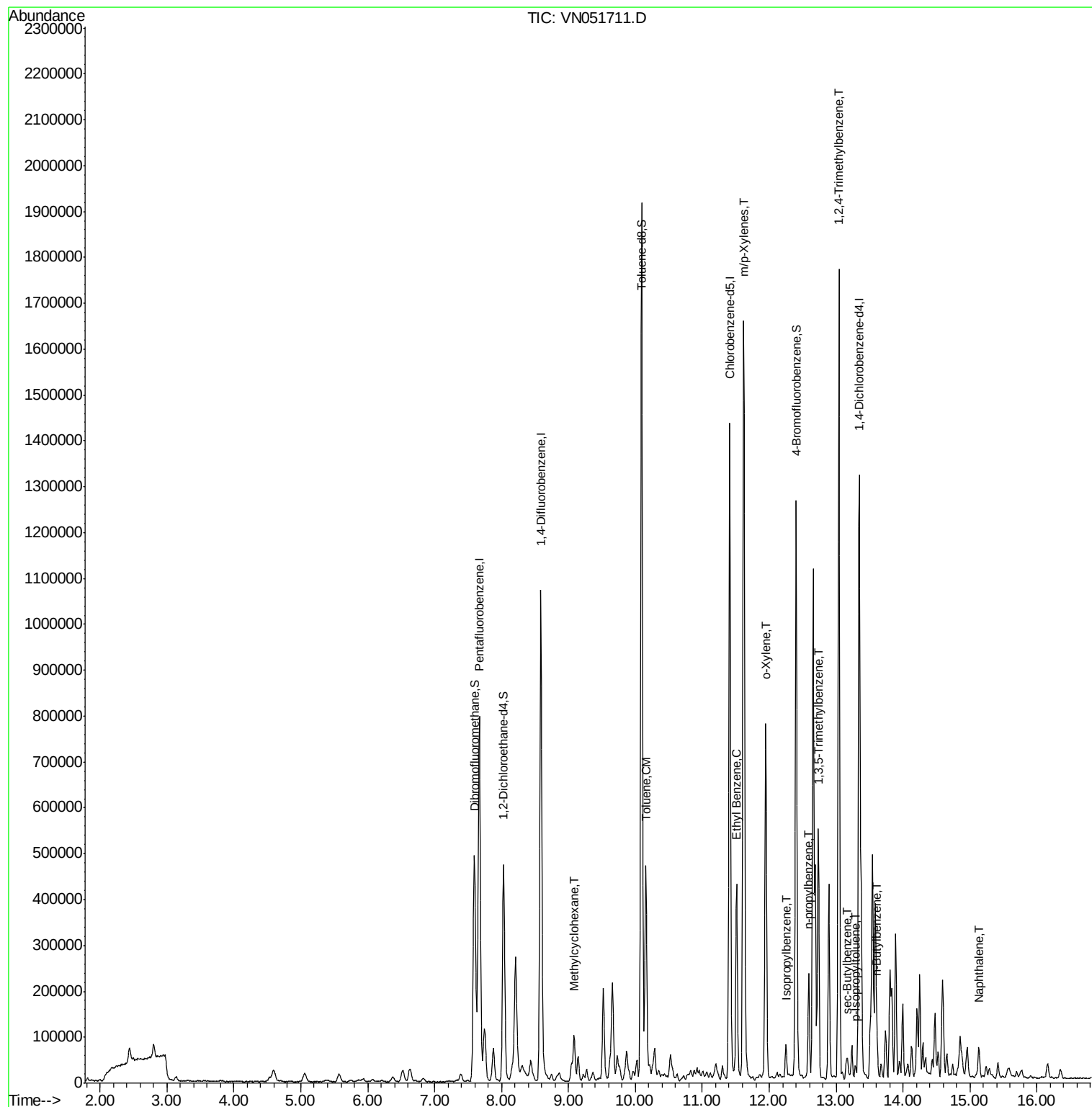
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051711.D
Acq On : 6 Oct 2018 1:42
Operator : MD\SY
Sample : J5084-05DL 400X
Misc : 5.61µ/5.00mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

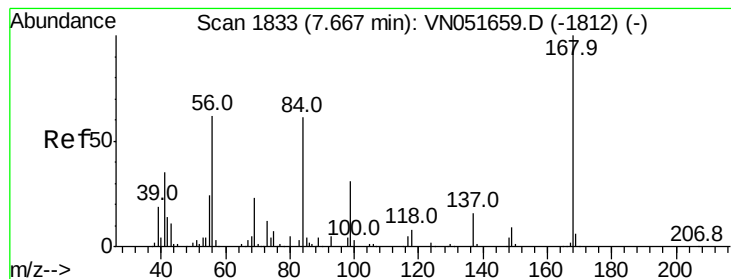
Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Manual Integrations
APPROVED

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10/8/2018 12:50:12 PM

Quant Time: Oct 06 03:59:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
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: VN051711.D

Acq: 6 Oct 2018 1:42

Instrument :

MSVOA_N

ClientSampled :

B-7(8-8.5)DL

Tot Ion:168 Resp: 658860

Ion Ratio Lower Upper

168 100

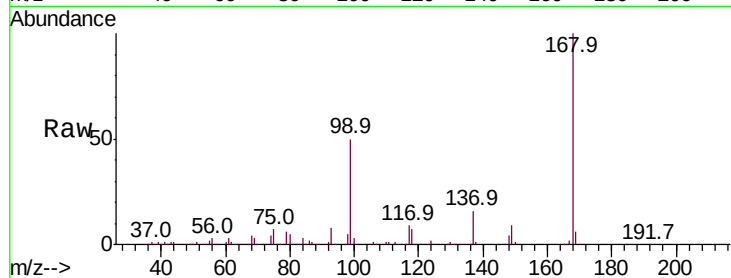
99 49.7 40.4 60.6

Manual Integrations

APPROVED

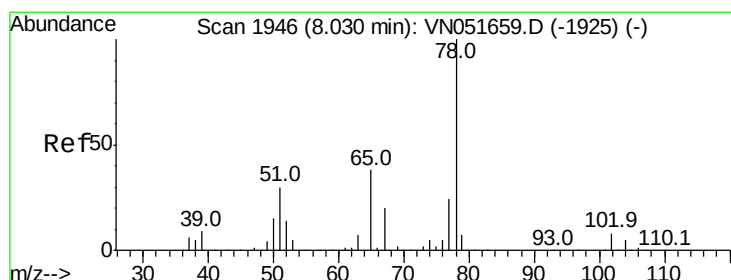
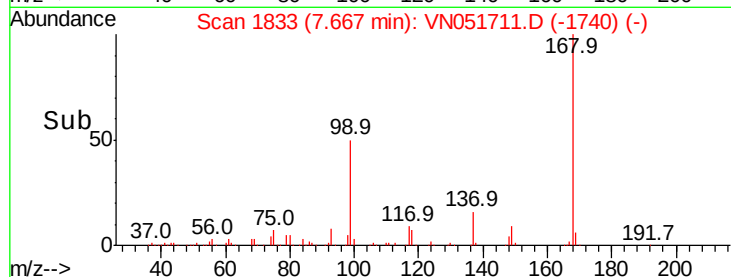
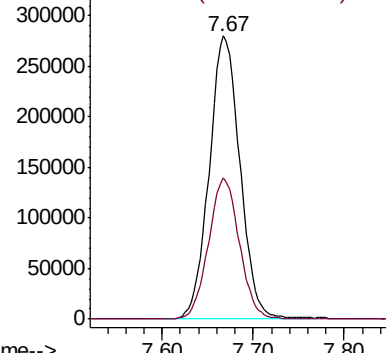
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051711.D

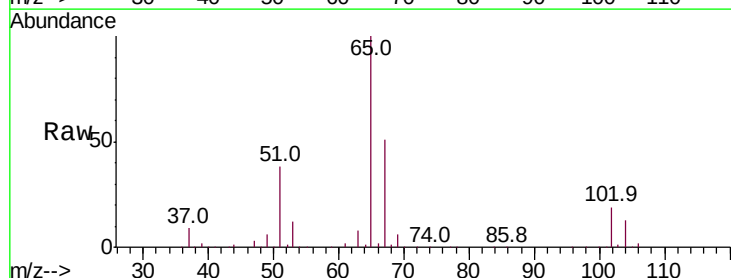
Acq: 6 Oct 2018 1:42

Tgt Ion: 65 Resp: 394441

Ion Ratio Lower Upper

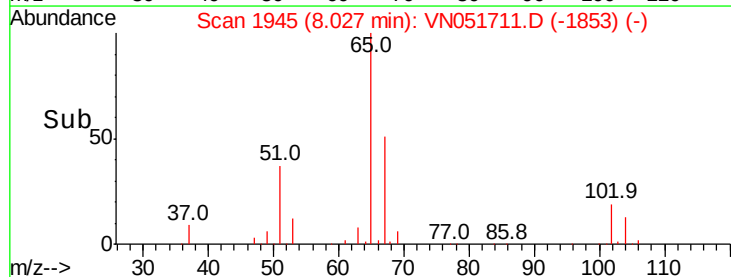
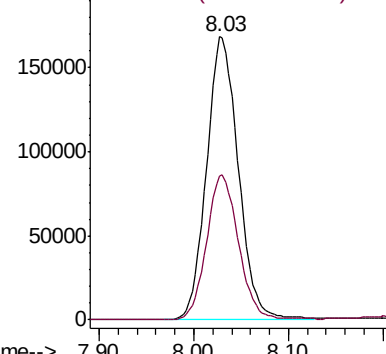
65 100

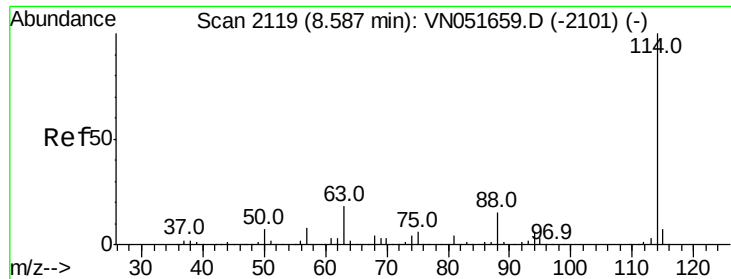
67 51.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





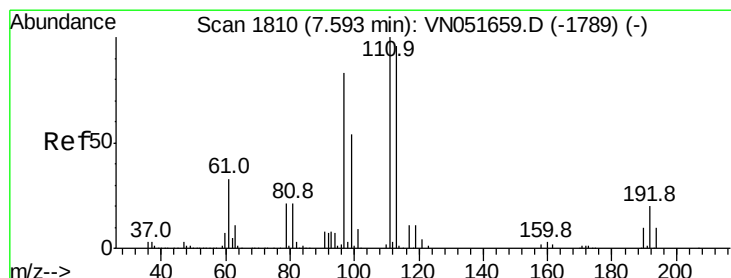
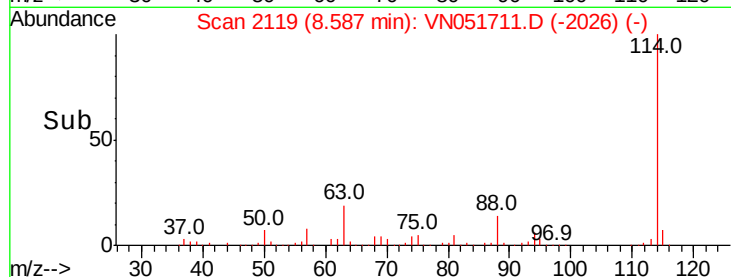
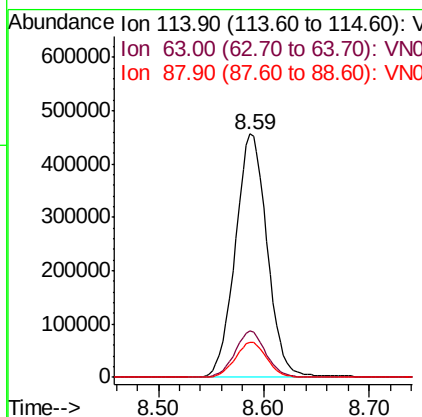
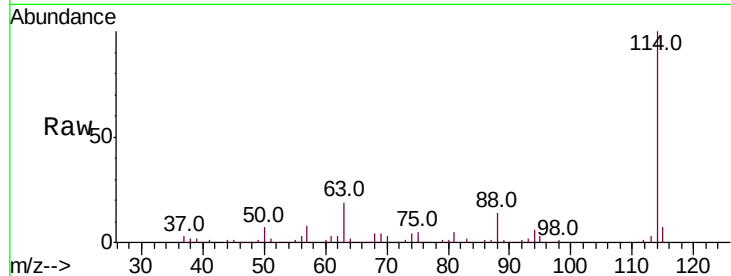
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051711.D
 Acq: 6 Oct 2018 1:42

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(8-8.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	954637		
63	19.0	0.0	36.2	
88	14.5	0.0	30.2	

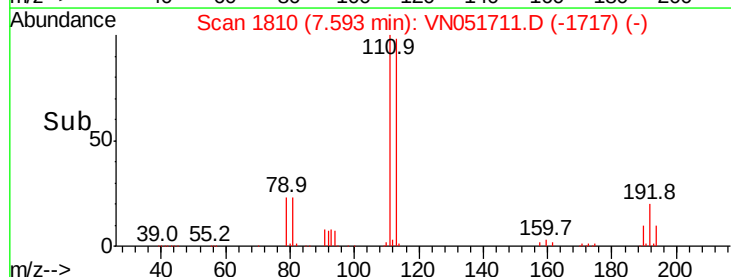
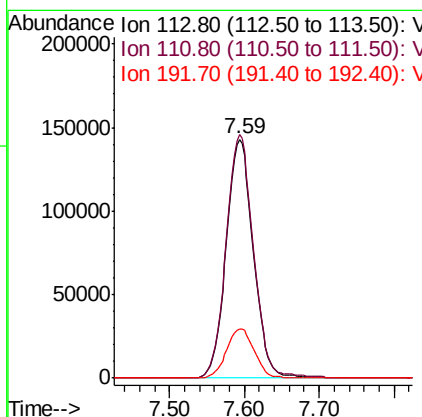
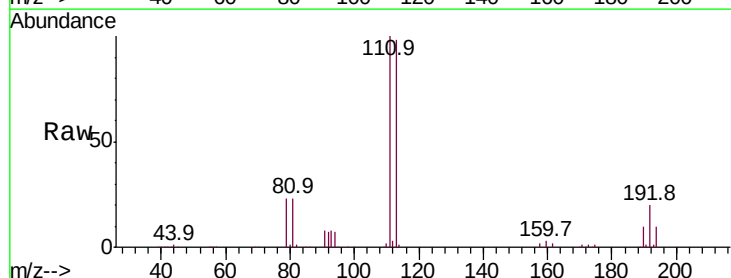
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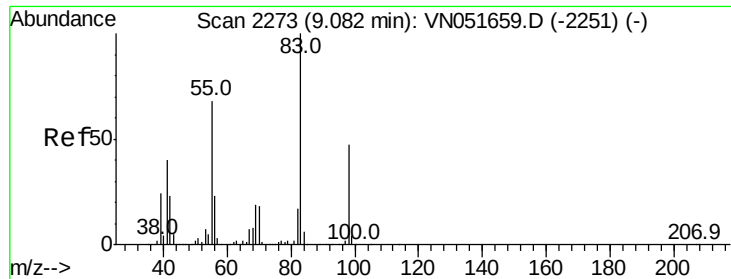
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051711.D
 Acq: 6 Oct 2018 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	359995		
111	102.2	81.8	122.8	
192	21.1	16.5	24.7	





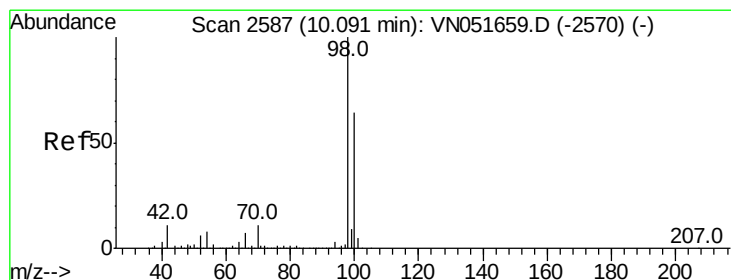
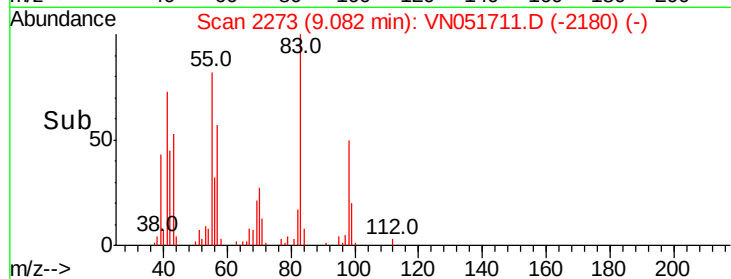
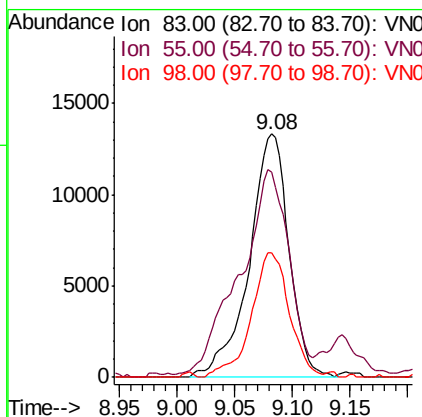
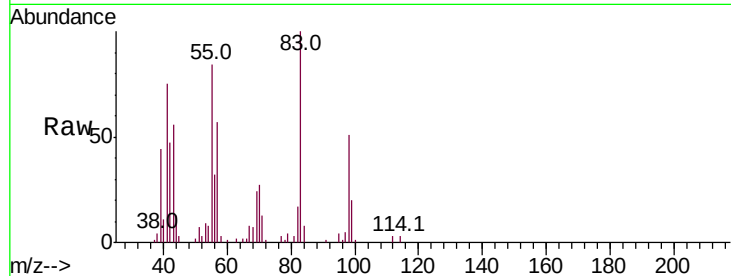
#39
Methylvlcyclohexane
Concen: 2.556 ug/l m
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	54.3	81.5#
98	50.9	37.4	56.2

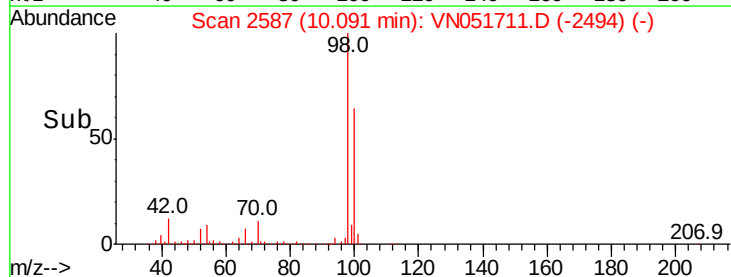
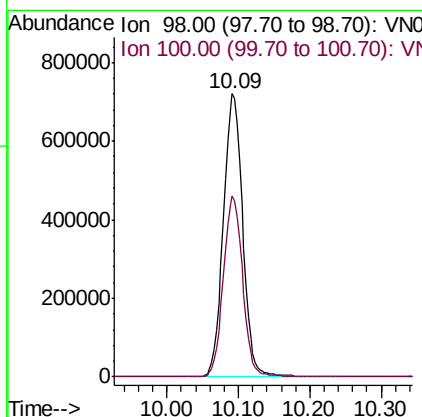
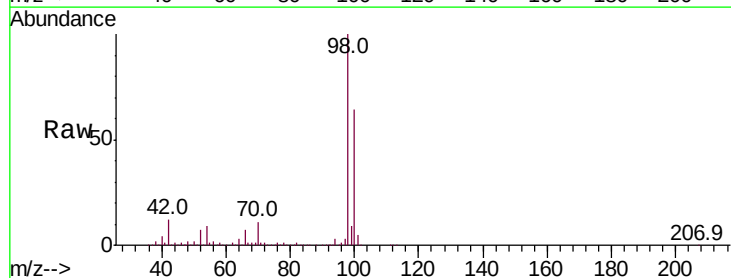
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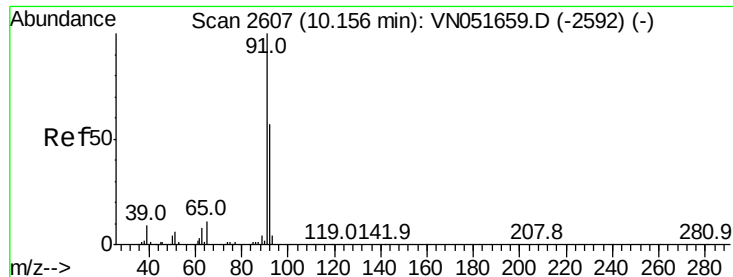
MMDadoda
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#52

Toluene

Concen: 10.071 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051711.D

Acq: 6 Oct 2018 1:42

Instrument :

MSVOA_N

ClientSampleId :

B-7(8-8.5)DL

Tot Ion: 92 Resp: 198142

Ion Ratio Lower Upper

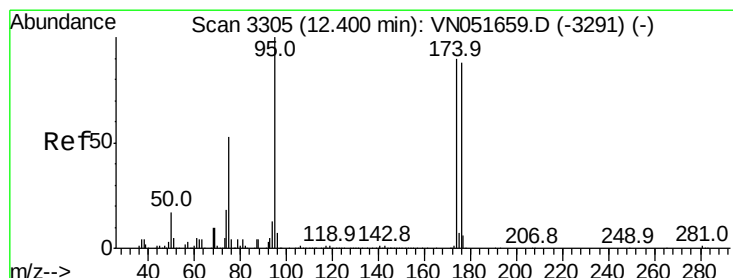
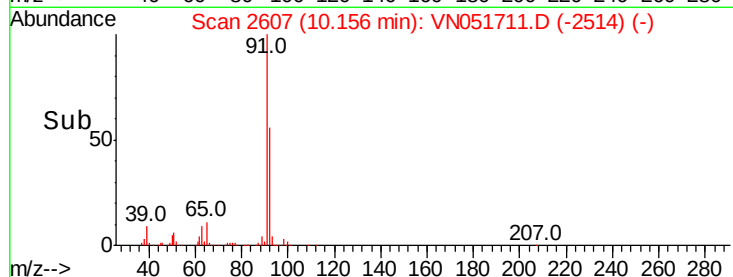
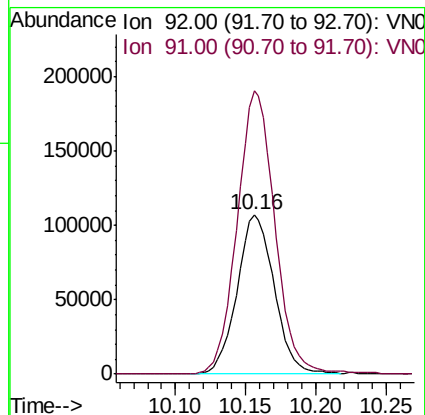
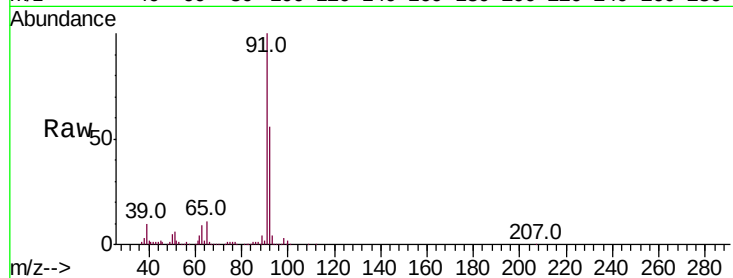
92 100

91 179.3 140.3 210.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051711.D

Acq: 6 Oct 2018 1:42

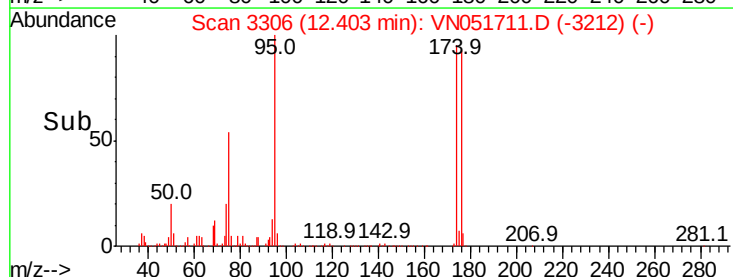
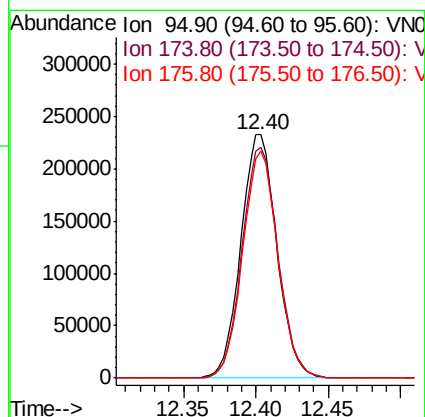
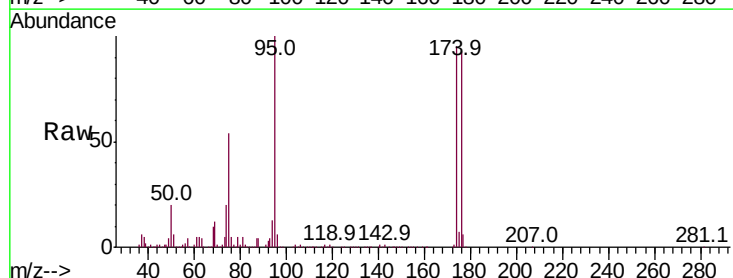
Tgt Ion: 95 Resp: 399598

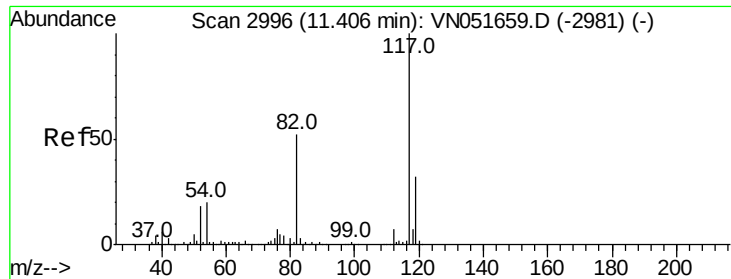
Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.8

176 91.6 0.0 176.4





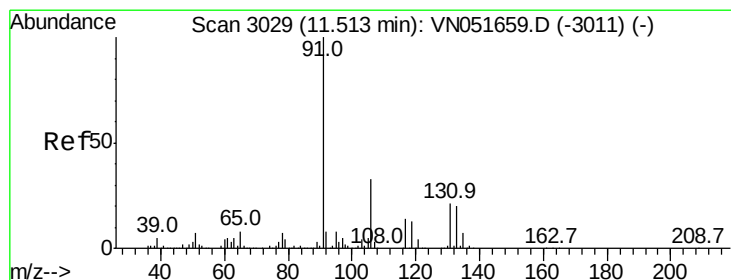
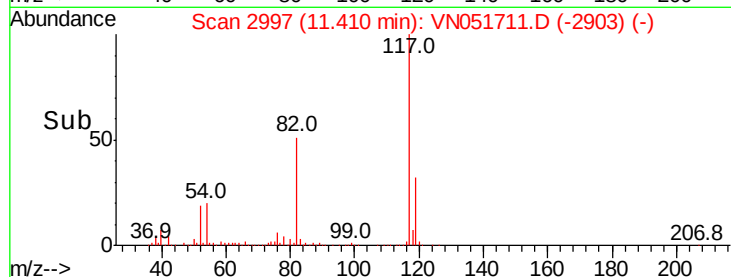
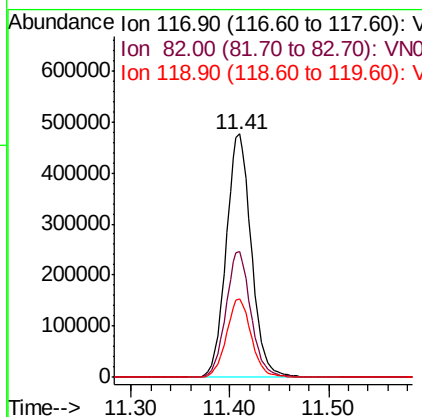
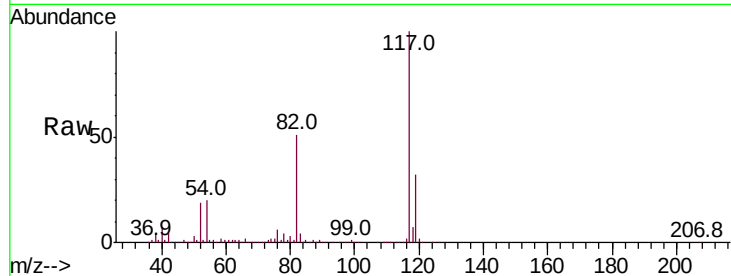
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.4	41.3	61.9	
119	32.3	25.9	38.9	

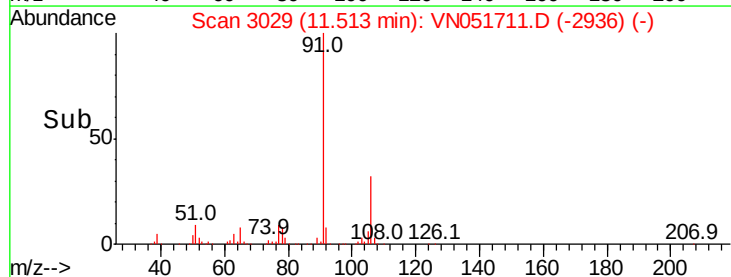
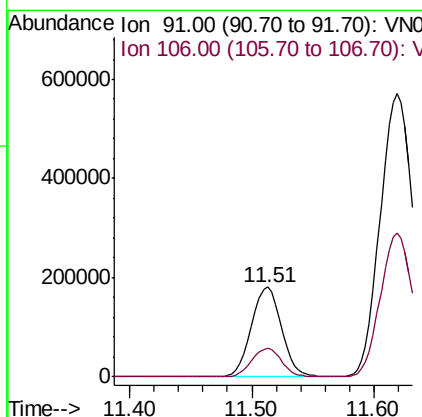
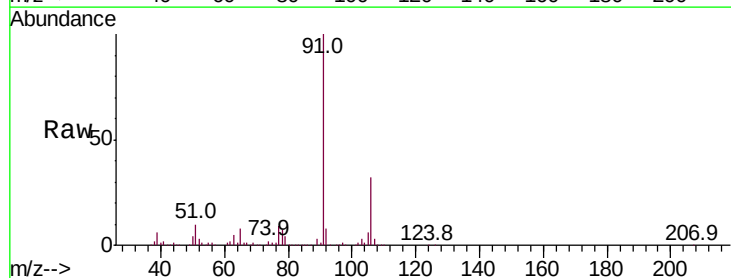
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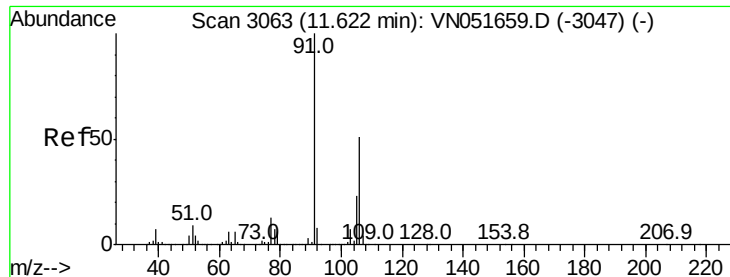
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#67
Ethyl Benzene
Concen: 8.496 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	31.7	26.0	39.0	





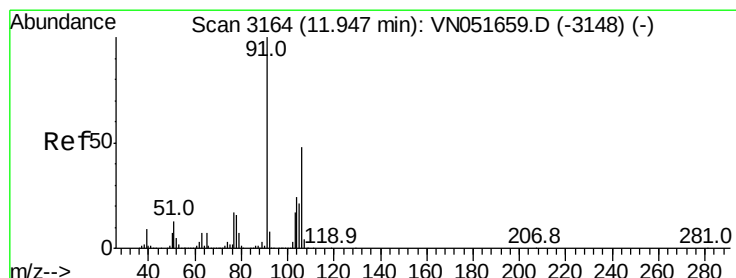
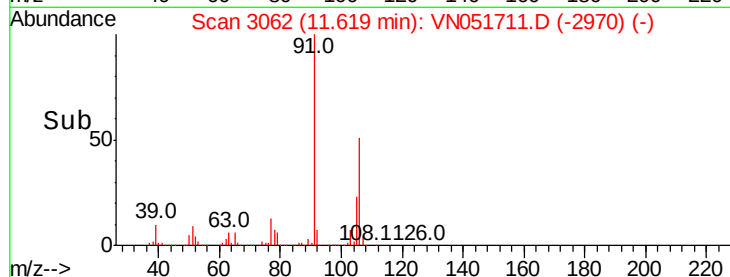
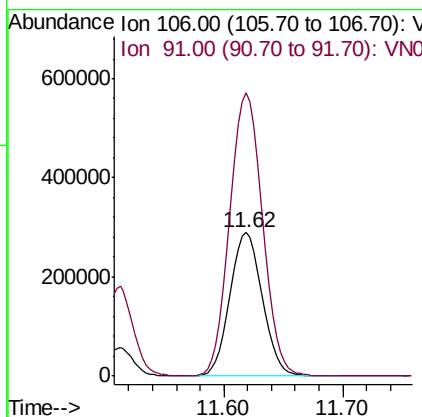
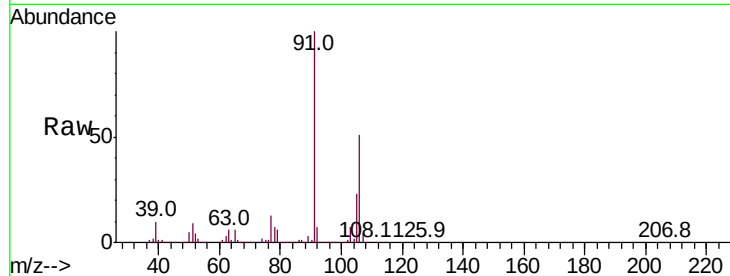
#68
m/p-Xylenes
Concen: 37.705 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Tot Ion:106 Resp: 548284
Ion Ratio Lower Upper
106 100
91 199.5 158.4 237.6

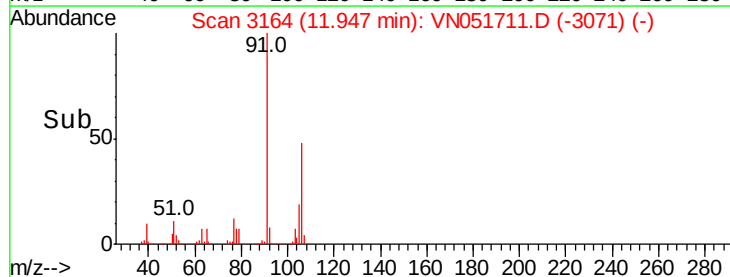
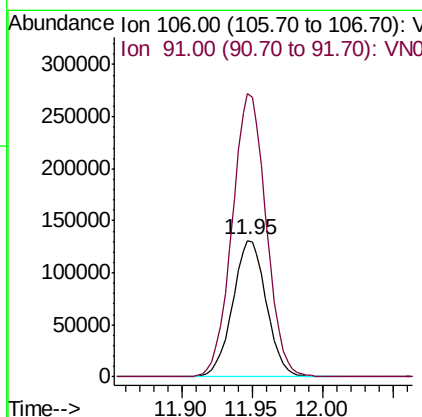
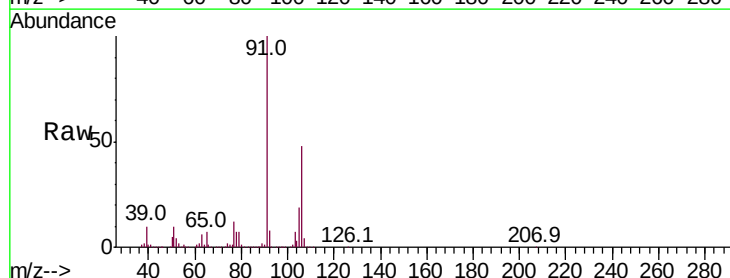
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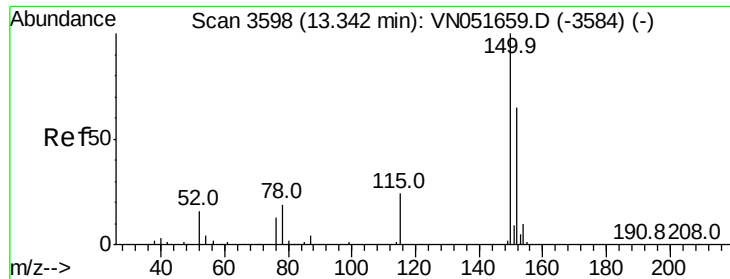
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#69
o-Xylene
Concen: 15.312 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Tgt Ion:106 Resp: 218364
Ion Ratio Lower Upper
106 100
91 209.6 104.4 313.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051711.D

Acq: 6 Oct 2018 1:42

Instrument :

MSVOA_N

ClientSampled :

B-7(8-8.5)DL

Tot Ion:152 Resp: 366779

Ion Ratio Lower Upper

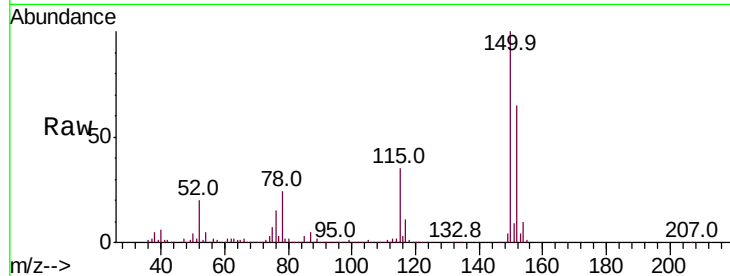
152 100

115 56.9 28.6 85.8

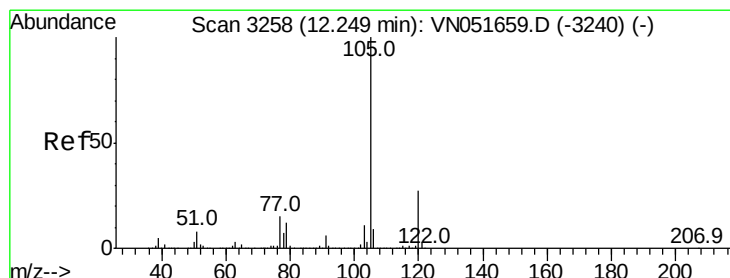
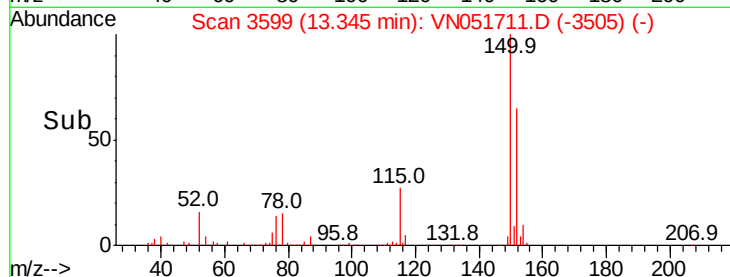
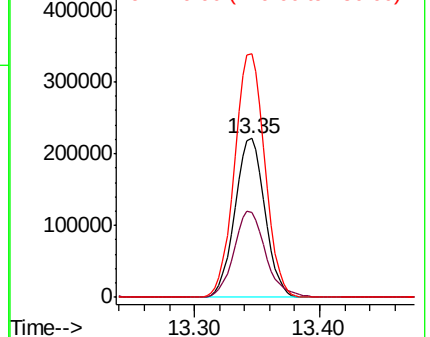
150 154.5 0.0 352.4

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.595 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051711.D

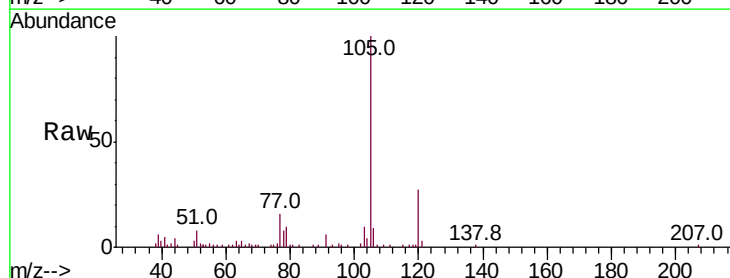
Acq: 6 Oct 2018 1:42

Tgt Ion:105 Resp: 49859

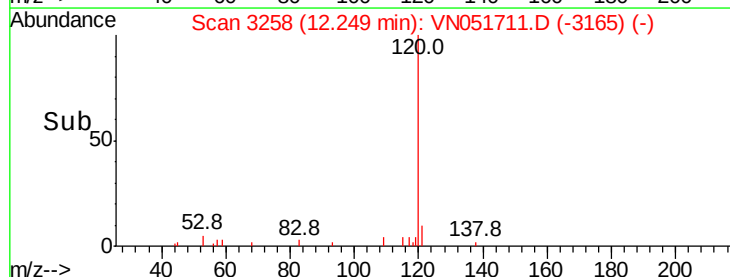
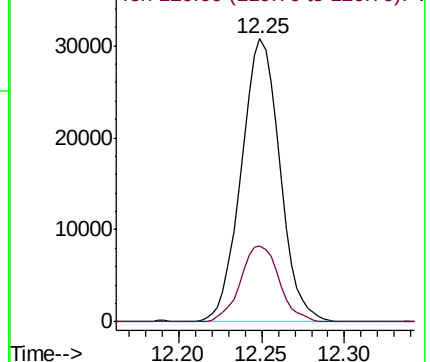
Ion Ratio Lower Upper

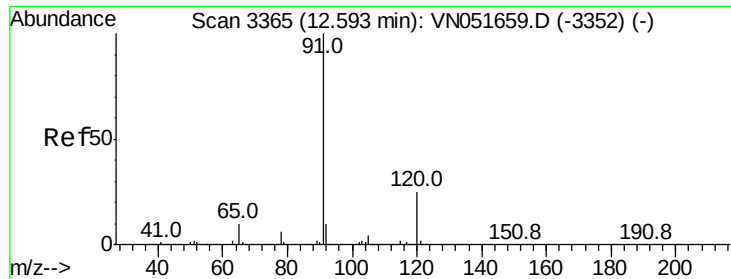
105 100

120 27.1 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.430 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051711.D

Acq: 6 Oct 2018 1:42

Instrument :

MSVOA_N

ClientSampleId :

B-7(8-8.5)DL

Tot Ion: 91 Resp: 185172

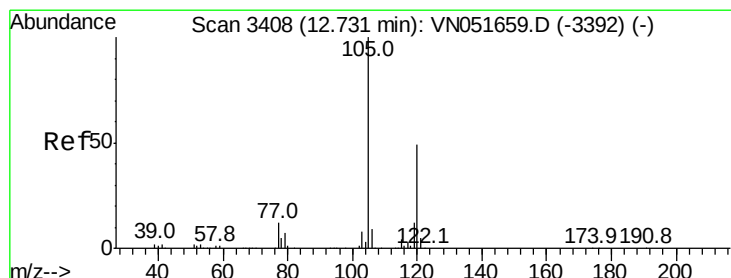
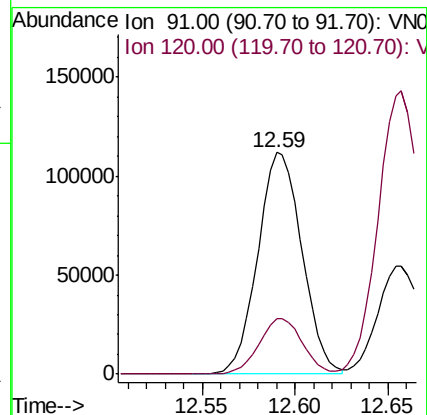
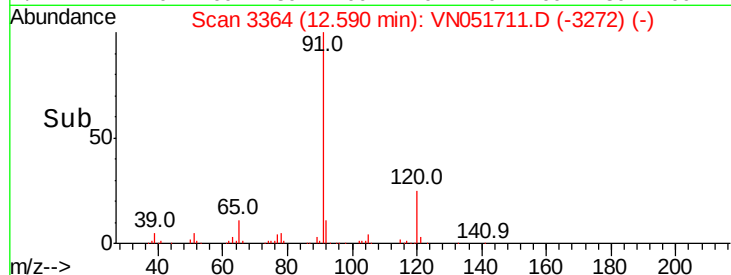
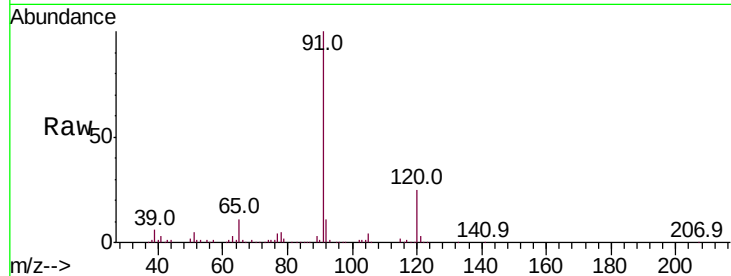
Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.2

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#80

1,3,5-Trimethylbenzene

Concen: 11.023 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051711.D

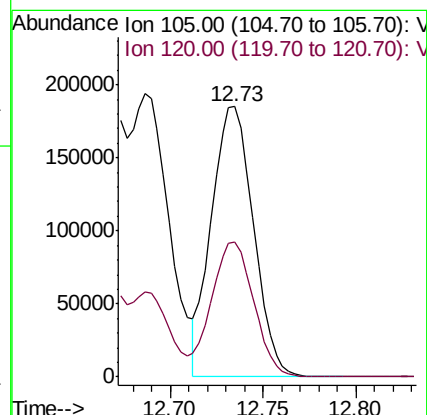
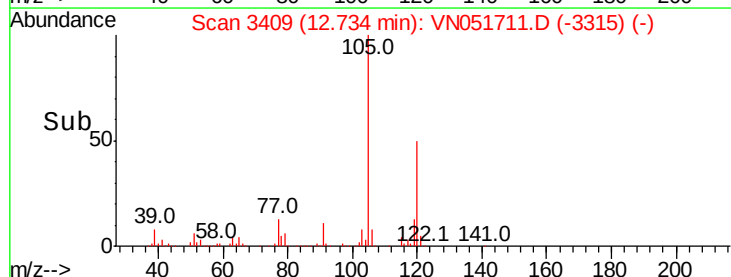
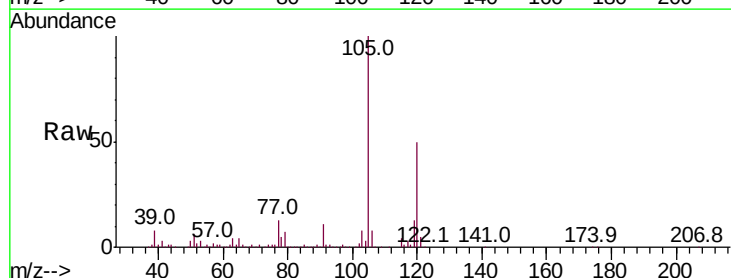
Acq: 6 Oct 2018 1:42

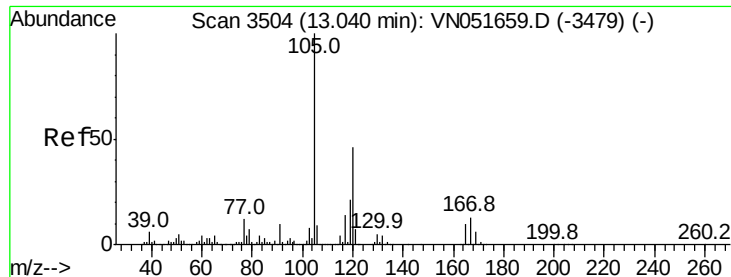
Tgt Ion: 105 Resp: 290435

Ion Ratio Lower Upper

105 100

120 50.8 24.6 74.0





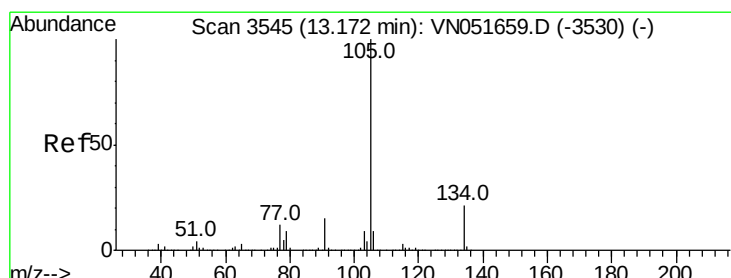
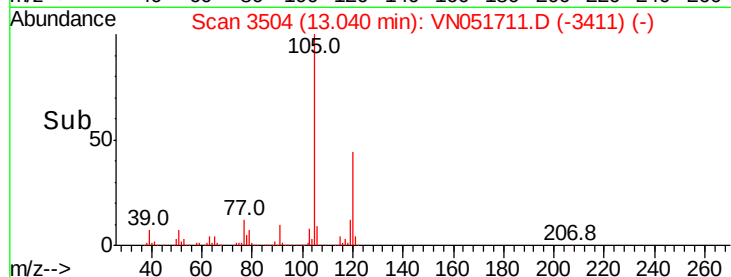
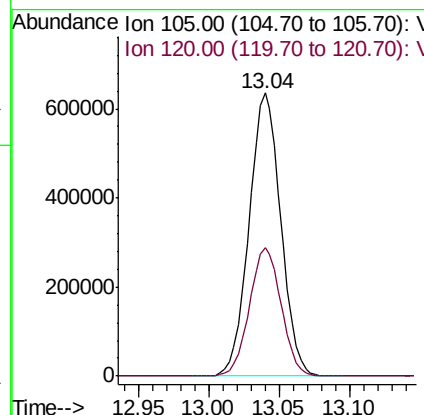
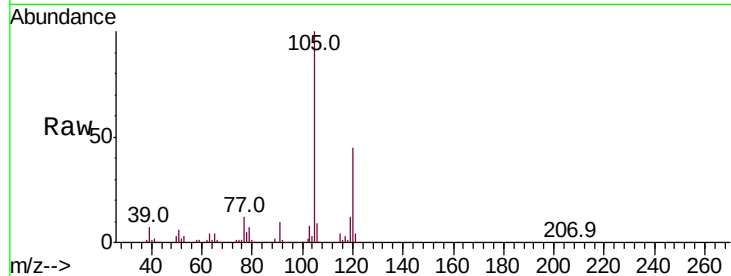
#84
1,2,4-Trimethylbenzene
Concen: 37.882 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.7

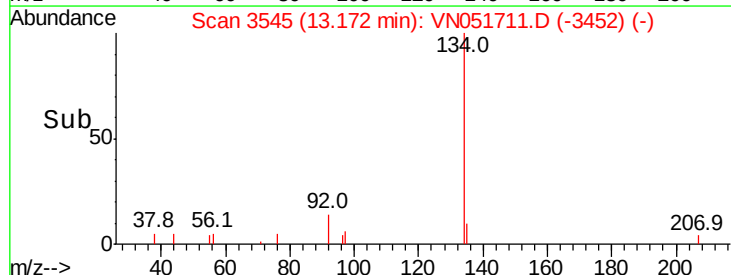
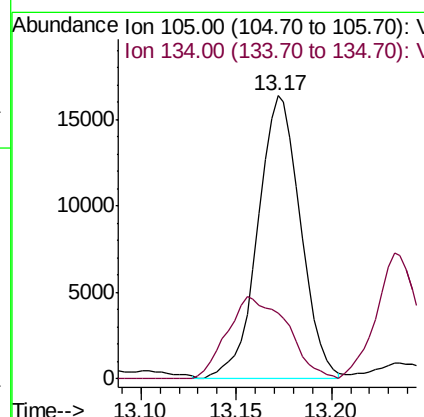
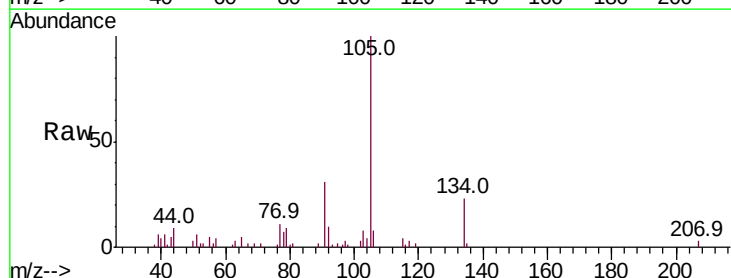
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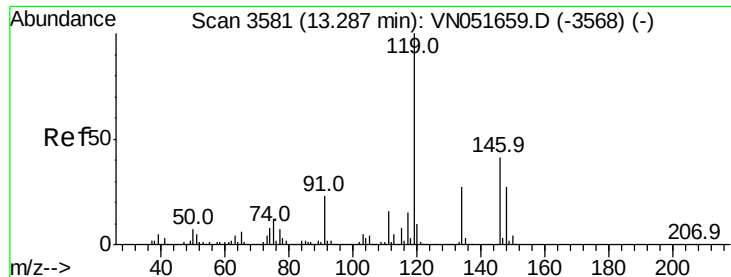
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#85
sec-Butylbenzene
Concen: 0.813 ug/l m
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.5	31.6#





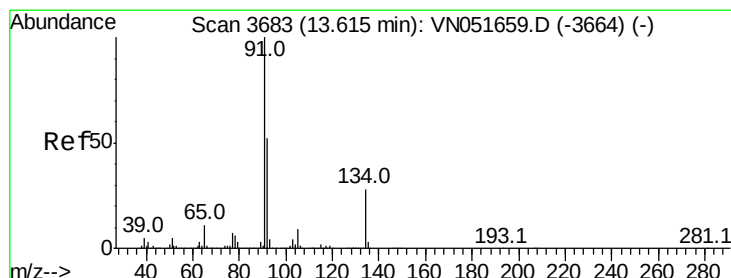
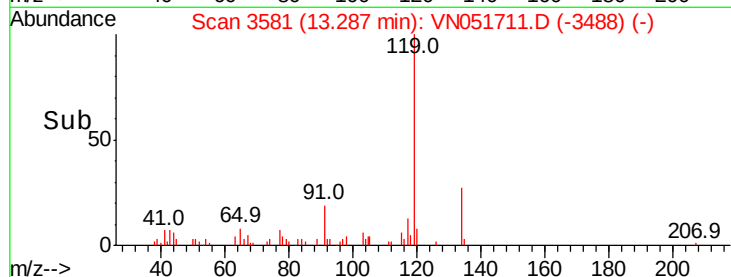
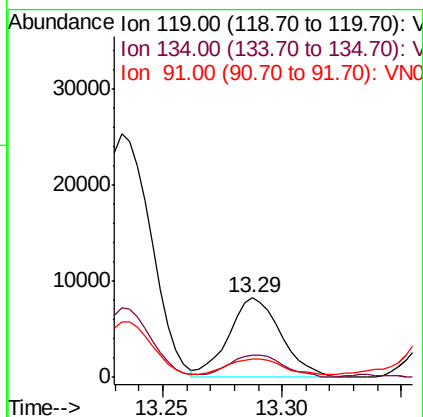
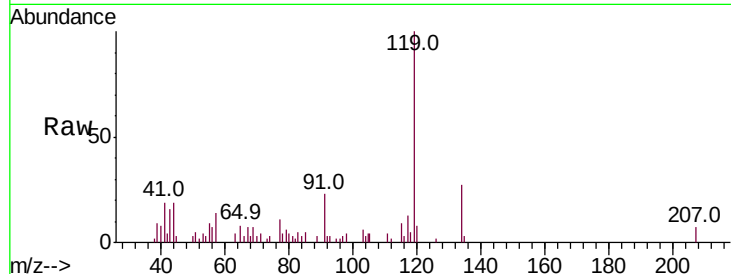
#86
 p-Isopropyltoluene
 Concen: 0.457 ug/l m
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051711.D
 Acq: 6 Oct 2018 1:42

Instrument :
 MSVOA_N
 ClientSampled :
 B-7(8-8.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	12643		
134	86.9	13.4	40.2#	
91	66.8	11.7	35.1#	

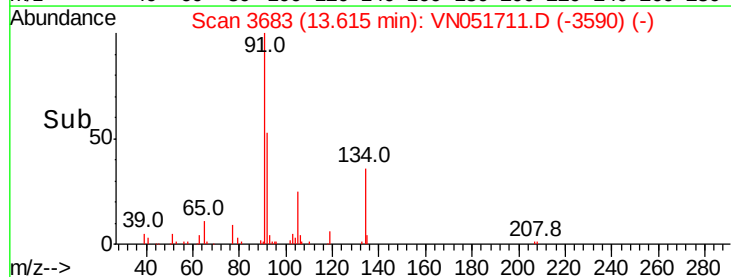
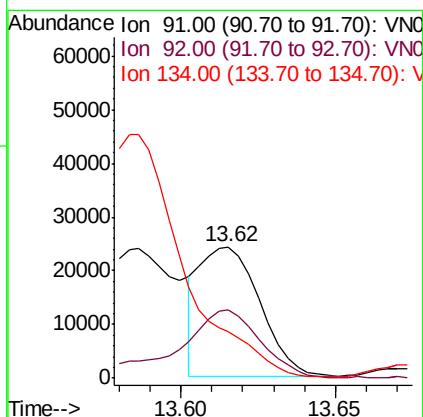
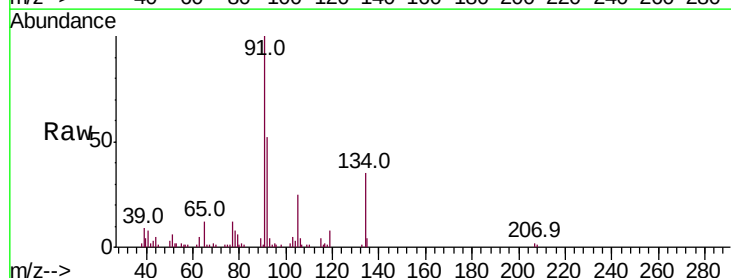
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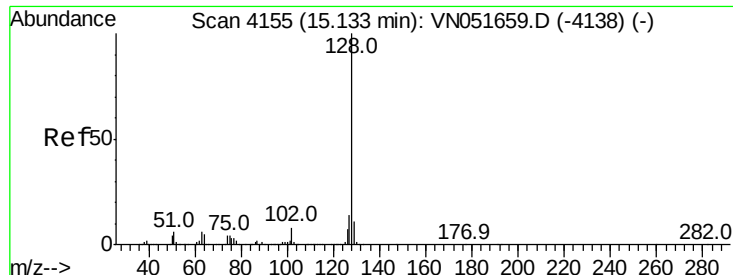
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#89
 n-Butylbenzene
 Concen: 1.482 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051711.D
 Acq: 6 Oct 2018 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	32437		
92	74.2	26.0	78.0	
134	0.0	14.2	42.6#	





#95
Naphthalene
Concen: 4.191 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051711.D
Acq: 6 Oct 2018 1:42

Instrument :
MSVOA_N
ClientSampleId :
B-7(8-8.5)DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.0	10.6	15.8
129	11.4	9.0	13.6

Manual Integrations
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